

# CITTA' DI SAN BENEDETTO DEL TRONTO

PROVINCIA DI ASCOLI PICENO

SETTORE PROGETTAZIONE e MANUTENZIONE OPERE PUBBLICHE

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## LAVORI DI "RIQUALIFICAZIONE E RINATURALIZZAZIONE DEL TORRENTE ALBULA"

### PROGETTO DI COMPLETAMENTO PISTA CICLOPEDONALE LUNGO IL TORRENTE ALBULA da Via TOSCANA a Viale DE GASPERI STRALCIO 2

San Benedetto del Tronto

Dicembre 2015

**DEFINITIVO/ESECUTIVO**

Scala

1:1

Aggiornamento

**STRUTTURE**

Tavola

**B5**

## Relazione Tecnica Generale, di Calcolo e dei Materiali

Progettista architettonico :

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ordine Ing. di AP n. 384

Il Progettista  
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Il Responsabile Unico del Procedimento  
Dott. Ing. Enrico OFFIDANI

Il Dirigente del Settore  
Dott. Arch. Farnush DAVARPANAH

## **Relazione tecnica delle strutture**

### **1 - DESCRIZIONE DELL'OPERA**

Trattasi della realizzazione del prolungamento della pista ciclabile che si sviluppa lungo il corso del torrente Albula da realizzare nel comune di S.Benedetto del Tronto nel tratto compreso tra il ponte di collegamento con via Toscana ed il ponte di collegamento con viale De Gasperi.

Il tratto da realizzare avrà una lunghezza di circa 150 m e prevede la costruzione di una passerella all'interno dell'alveo del torrente Albula costituita da una serie di mensole in struttura di acciaio di lunghezza pari a cm 200 con uno sbalzo di cm 170 circa poste ad interasse di circa 7,5 m sulle quali verrà poggiato il solaio di calpestio del tipo alveolare e soletta sovrastante in c.a. di altezza variabile.

All'estremità della passerella verrà realizzata una ringhiera di protezione di opportuna altezza collegata alla struttura principale mediante piastre e bulloni.

Le mensole in acciaio saranno realizzate mediante l'accoppiamento di piatti saldati a completa penetrazione di opportune dimensioni in modo da realizzare dei profili ad H avente le ali superiore ed inferiore di diversa larghezza ed altezza costante pari a cm 20.

Sulle ali inferiori verrà poggiato il solaio alveolare avente spessore di cm 20 e soletta superiore di completamento variabile da cm 7 a cm 12 circa.

Per rendere solidale la trave in acciaio alla soletta superiore verranno utilizzati dei pioli di collegamento del tipo Hilti collegati a barre di armatura e rete elettrosaldata.

Saranno previsti giunti strutturali trasversali di dilatazione ogni 30 m circa e tagli trasversali e longitudinali sulla soletta.

E' prevista una opportuna controventatura orizzontale per il trasferimento delle azioni orizzontali alle strutture in c.a.

Prima del montaggio delle nuove strutture saranno realizzati i tagli sulla sommità dei muri in di contenimento in c.a. per l'alloggiamento delle mensole in acciaio.

Le mensole in acciaio verranno inghisate alle strutture in c.a. mediante barre filettate M24 classe 8.8 e riempite con malta ad alta resistenza per una lunghezza di cm 85.

## - **NORMATIVA DI RIFERIMENTO**

Le fasi di analisi e verifica della struttura saranno condotte in accordo alle seguenti disposizioni normative, per quanto applicabili, in relazione al criterio di calcolo adottato dal progettista:

**Legge 5 novembre 1971 n. 1086** (G. U. 21 dicembre 1971 n. 321)

“Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica”

**Legge 2 febbraio 1974 n. 64** (G. U. 21 marzo 1974 n. 76)

“Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche”

Indicazioni progettive per le nuove costruzioni in zone sismiche a cura del Ministero per la Ricerca scientifica - Roma 1981.

**D. M. Infrastrutture Trasporti 14 gennaio 2008** (G.U. 4 febbraio 2008 n. 29 - Suppl. Ord.)

“Norme tecniche per le Costruzioni”

Inoltre, in mancanza di specifiche indicazioni, ad integrazione della norma precedente e per quanto con esse non in contrasto, sono state utilizzate le indicazioni contenute nella:

**Circolare 2 febbraio 2009 n. 617 del Ministero delle Infrastrutture e dei Trasporti** (G.U. 26 febbraio 2009 n. 27 – Suppl. Ord.)

“Istruzioni per l'applicazione delle 'Norme Tecniche delle Costruzioni' di cui al D.M. 14 gennaio 2008”;

**Eurocodice 3** – “Progettazione delle strutture in acciaio” - ENV 1993-1-1.

## **3 - MATERIALI IMPIEGATI E RESISTENZE DI CALCOLO**

Per la realizzazione dell'opera in oggetto verranno impiegati i seguenti materiali:

Acciaio per strutture metalliche S275(Fe430) (Resistenza caratteristica  $F_{yk} = 275.0 \text{ N/mm}^2$ );

Materiale d'apporto per saldature S275 (Resistenza caratteristica  $F_{yk} = 275.0 \text{ N/mm}^2$ );

Acciaio per Bulloni Classe 8.8 (Resistenza caratteristica  $F_{yk} = 649.0 \text{ N/mm}^2$ );

Calcestruzzo per soletta e getti di completamento CL25/30

Acciaio per getti in c.a. B450C (Resistenza caratteristica  $f_{ynom} = 450 \text{ N/mm}^2$ )

I valori dei parametri caratteristici dei suddetti materiali verranno riportati nei tabulati di calcolo, nella relativa sezione.

Tutti i materiali impiegati andranno comunque verificati con opportune prove di laboratorio secondo le prescrizioni della vigente Normativa.

## 4 – CARICHI CONSIDERATI NEL CALCOLO

La valutazione dei carichi e dei sovraccarichi verrà effettuata in accordo con le disposizioni del **Decreto Ministero Infrastrutture Trasporti 14 gennaio 2008** (G. U. 4 febbraio 2008, n. 29 - Suppl.Ord.) "Norme tecniche per le Costruzioni"

La valutazione dei carichi permanenti è effettuata sulle dimensioni definitive.

Si considerano agenti sulla struttura i seguenti carichi:

- Peso proprio dei singoli elementi
- Pesi permanenti
- Pesi variabili
- Azione sismica

### 5.1 Pesi propri e permanenti

#### Peso carpenteria

Il peso delle strutture viene considerato automaticamente dal programma di calcolo con un opportuno coefficiente di maggiorazione per tener conto delle piastre di rinforzo, saldature e bulloneria.

#### Peso solaio alveolare+soletta di ripartizione

Si considera un carico uniformemente distribuito di 500 kg/mq disposto sull'ala inferiore della mensola.

Interasse mensola max=7.5 m

Carico sulla mensola

$Q_a = 500 \times 7.5 = 3750 \text{ kg/ml}$

Carico ripartito sull'ala inferiore della mensola:

$q_a = 3750 / 0.40 = 9375 \text{ kg/mq} = 0.9375 \text{ kg/cmq}$

### 5.2 Peso accidentale solaio

Si considera un carico uniformemente distribuito di 400 kg/mq disposto sull'ala inferiore della mensola.

Interasse mensola max=7.5 m

Carico sulla mensola

$Q_a = 400 \times 7.5 = 3000 \text{ kg/ml}$

Carico ripartito sull'ala inferiore della mensola:

$q_a = 3000 / 0.40 = 7500 \text{ kg/mq} = 0.75 \text{ kg/cmq}$

## 5.3 Azione sismica:

### 5.3.1 Valutazione dell'azione sismica

L'azione sismica è stata valutata in conformità alle indicazioni riportate al capitolo 3.2 del D.M. 14 gennaio 2008 "Norme tecniche per le Costruzioni"

In particolare il procedimento per la definizione degli spettri di progetto per i vari Stati Limite per cui sono state effettuate le verifiche è stato il seguente:

- definizione della Vita Nominale e della Classe d'Uso della struttura, il cui uso combinato ha portato alla definizione del Periodo di Riferimento dell'azione sismica.
- Individuazione, tramite latitudine e longitudine, dei parametri sismici di base  $a_g$ ,  $F_0$  e  $T_c^*$  per tutti e quattro gli Stati Limite previsti (SLO, SLD, SLV e SLC); l'individuazione è stata effettuata interpolando tra i 4 punti più vicini al punto di riferimento dell'edificio.
- Determinazione dei coefficienti di amplificazione stratigrafica e topografica.
- Calcolo del periodo  $T_c$  corrispondente all'inizio del tratto a velocità costante dello Spettro.

I dati così calcolati sono stati utilizzati per determinare gli Spettri di Progetto nelle verifiche agli Stati Limite considerate che vengono riportati a parte.

Vita nominale  $V_n$ : 50 anni

Classe d'uso : 2

Coefficiente  $C_u=1$

Periodo di riferimento:  $V_r=V_n \cdot C_u=50$

Fattore di struttura per SLV :  $q=1$

Fattore di struttura per SLD e SLO :  $q=1$

Di seguito vengono riportati i diagrammi per i vari stati limite.

### 5.3.2 Metodo di Analisi

Il calcolo delle azioni sismiche è stato eseguito in analisi dinamica modale, considerando il comportamento della struttura in regime elastico lineare.

Il numero di modi di vibrazione considerato ha consentito, nelle varie condizioni, di mobilitare le seguenti percentuali delle masse della struttura:

Stato Limite	Direzione Sisma	%
salvaguardia della vita	X	>85
salvaguardia della vita	Y	>85
salvaguardia della vita	Z	>85
di Danno	X	>85
di Danno	Y	>85
di Danno	Z	>85

### 5.3.3 Combinazione delle componenti dell'azione sismica

Il sisma viene convenzionalmente considerato come agente separatamente in due direzioni tra loro ortogonali prefissate; per tenere conto che nella realtà il moto del terreno durante l'evento sismico ha direzione casuale e in accordo con le prescrizioni normative, per ottenere l'effetto complessivo del sisma, a partire dagli effetti delle direzioni calcolati separatamente, si è provveduto a sommare i massimi ottenuti in

una direzione con il 30% dei massimi ottenuti per l'azione applicata nell'altra direzione. L'azione sismica verticale non viene considerata in quanto il sito ricade in zona 3 (7.2.1).

## 6 - AZIONI SULLA STRUTTURA

Le azioni sulla costruzione sono state cumulate in modo da determinare condizioni di carico tali da risultare più sfavorevoli ai fini delle singole verifiche, tenendo conto della probabilità ridotta di intervento simultaneo di tutte le azioni con i rispettivi valori più sfavorevoli, come consentito dalle norme vigenti.

Per gli **Stati limite ultimi** sono state adottate le combinazioni del tipo:

$$\gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_P \cdot P + \gamma_{Q1} \cdot Q_{k1} + \gamma_{Q2} \cdot \psi_{02} \cdot Q_{k2} + \gamma_{Q3} \cdot \psi_{03} \cdot Q_{k3} + \dots$$

Per **lo Stato Limite di Danno**, è stata utilizzata una relazione del tutto analoga alla precedente:

$$G_1 + G_2 + P + E + \sum_i \psi_{2i} \cdot Q_{ki}$$

Per le verifiche **agli stati limite di esercizio**, a seconda dei casi, si fa riferimento alle seguenti combinazioni di carico:

combinazione rara  $F_d = \sum_{j=1}^m (G_{Kj}) + Q_{k1} + \sum_{i=2}^n (\psi_{0i} \cdot Q_{ki}) + \sum_{h=1}^l (P_{kh})$

combinazione frequente  $F_d = \sum_{j=1}^m (G_{Kj}) + \psi_{11} \cdot Q_{k1} + \sum_{i=2}^n (\psi_{2i} \cdot Q_{ki}) + \sum_{h=1}^l (P_{kh})$

combinazione quasi permanente  $F_d = \sum_{j=1}^m (G_{Kj}) + \psi_{21} \cdot Q_{k1} + \sum_{i=2}^n (\psi_{2i} \cdot Q_{ki}) + \sum_{h=1}^l (P_{kh})$

I coefficienti di combinazione da utilizzare sono stati ricavati dalla tabella 2.5.1 del D.M. 14/1/2008

Azione	$\psi_{0i}$	$\psi_{1i}$	$\psi_{2i}$
Categoria A – Ambienti ad uso residenziale	0,7	0,5	0,3
Categoria B – Uffici	0,7	0,5	0,3
<b>Categoria C – Ambienti suscettibili di affollamento</b>	<b>0,7</b>	<b>0,7</b>	<b>0,6</b>
Categoria D – Ambienti ad uso commerciale	0,7	0,7	0,6
Categoria E – Biblioteche, archivi, magazzini e ambienti ad uso industriale	1,0	0,9	0,8
Categoria F – Rimesse e parcheggi (per autoveicoli di peso $\leq 30$ kN)	0,7	0,7	0,6
Categoria G – Rimesse e parcheggi (per autoveicoli di peso $> 30$ kN)	0,7	0,5	0,3
Categoria H – Coperture	0,0	0,0	0,0
Vento	0,6	0,2	0,0
Neve (a quota $\leq 1000$ m s.l.m.)	0,5	0,2	0,0

Neve (a quota > 1000 m s.l.m.)	0,7	0,5	0,2
Variazioni termiche	0,6	0,5	0,0

## 7 - CODICE DI CALCOLO IMPIEGATO

### 7.1 Denominazione

Per il calcolo e la verifica degli elementi in acciaio son stati utilizzati il seguente programma di calcolo:

Nome del Software	<b>CSE</b>
Versione	2016
Caratteristiche del Software	Software per il calcolo dei collegamenti in acciaio Windows
Distribuzione	<b>Castalia</b> Via Pinturicchio 24 20133 Milano Tel. 02/26681083

Nome del Software	<b>MIDAS GEN</b>
Versione	3.1      2012
Caratteristiche del Software	Software per il calcolo di strutture agli elementi finiti Windows
Distribuzione	<b>Harpaceas</b> Viale Richard 1 20143 Milano Tel. 02 891741

### 7.1.1 Progetto e Verifica degli elementi strutturali

Il calcolo della trave viene eseguita con un'analisi non lineare considerando la trave appoggiata su un letto di molle con inerzia assegnata e resistente alla sola forza di compressione che costituiscono l'appoggio della trave sul muro in c.a.

La verifica viene effettuata in due fasi successive:

Nella prima fase si schematizza la trave come elemento "beam" calcolando le sollecitazioni ad essa associate per la verifica della sezione resistente secondo il quanto disposto nel D.M.14.01.2008 e nell'Eurocodice3.

Nella seconda fase si schematizza la trave con elementi bidimensionali, si calcolano le sollecitazioni associate ai carichi di esercizio e quindi le tensioni effettive sui singoli elementi bidimensionali utilizzando il Metodo di Von Mises.

La verifica degli elementi allo SLU avviene col seguente procedimento:

- si costruiscono le combinazioni in base al D.M. 14.01.2008, ottenendo un insieme di sollecitazioni;
- per sollecitazioni semplici (flessione retta, taglio, etc.) si individuano i valori minimo e massimo con cui progettare o verificare l'elemento considerato; per sollecitazioni composte (presso-tenso flessione retta/deviata) vengono eseguite le verifiche per tutte le possibili combinazioni e solo a seguito di ciò si individua quella che ha originato il minimo coefficiente di sicurezza.
- Le verifiche degli elementi strutturali principali vengono effettuate utilizzando l'**Eurocodice 3**

## **8 Progetto e Verifica dei Collegamenti**

Per ogni collegamento sono state ricavate le massime sollecitazioni agenti sugli elementi componenti (Bulloni, Tirafondi, Piastre, Costole e Cordoni di Saldatura) considerando appropriati modelli di calcolo e quindi sono state effettuate le relative verifiche. In particolare:

- Per i bulloni sono state effettuate verifiche a Taglio e Trazione sia per la singola sollecitazione che per presenza contemporanea di tali sollecitazioni.
- Per le piastre sono state effettuate verifiche a Rifollamento, a Flessione con la presenza eventuale di costole, a Punzonamento e alle Tensioni nel piano della piastra.
- Per le costole è stata effettuata la verifica controllando la tensione ideale massima calcolata considerando le tensioni parallele e ortogonali al piano della costola.
- Per i cordoni di saldatura è stata effettuata la verifica controllando la tensione ideale massima calcolata considerando le tensioni tangenziali parallele e ortogonali alla lunghezza del cordone e la
- tensioni normali ortogonale alla lunghezza.
- Per i tirafondi sono state effettuate verifiche a sfilamento per trazione
- Per le piastre d'attacco con le fondazioni e gli elementi in c.a. è stata effettuata la verifica del calcestruzzo di base.

Grottammare Dicembre 2015

Il Progettista  
(dott. ing. Domenico Palestini)



## RELAZIONE DI CALCOLO

### < Control Data >

\*\*\* CONTROL DATA

Panel Zone Effect : Do not Calculate

Unit System : KGF, CM

Definition of Frame

- X Direction of Frame : Unbraced I Sway

- Y Direction of Frame : Unbraced I Sway

- Design Type : 3-D

Design Code

- Steel : Eurocode3:05

- Concrete : Eurocode2:04

- SRC : SSR79

### < Static Loadcase >

\*\*\* LOAD CASE DATA

NO	NAME	TYPE	SELF WEIGHT FACTOR			DESCRIPTION
			X	Y	Z	

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1	peso proprio	D	0.000	0.000	-1.000	
---	--------------	---	-------	-------	--------	--

2	peso permanente	D	0.000	0.000	0.000	
---	-----------------	---	-------	-------	-------	--

3	peso accidentale	L	0.000	0.000	0.000	
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### < Load Combination >

\*\* GENERAL

NO	NAME	TYPE	ACTIVE	DESCRIPTION
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1	gLCB1	Add	ACTIVE	1.4D + 1.5(1.0peso accidentale)
---	-------	-----	--------	---------------------------------

2	gLCB2	Add	ACTIVE	1.0D + 1.0peso accidentale
---	-------	-----	--------	----------------------------

3	gLCB3	Add	ACTIVE	1.0D + 0.5peso accidentale
---	-------	-----	--------	----------------------------

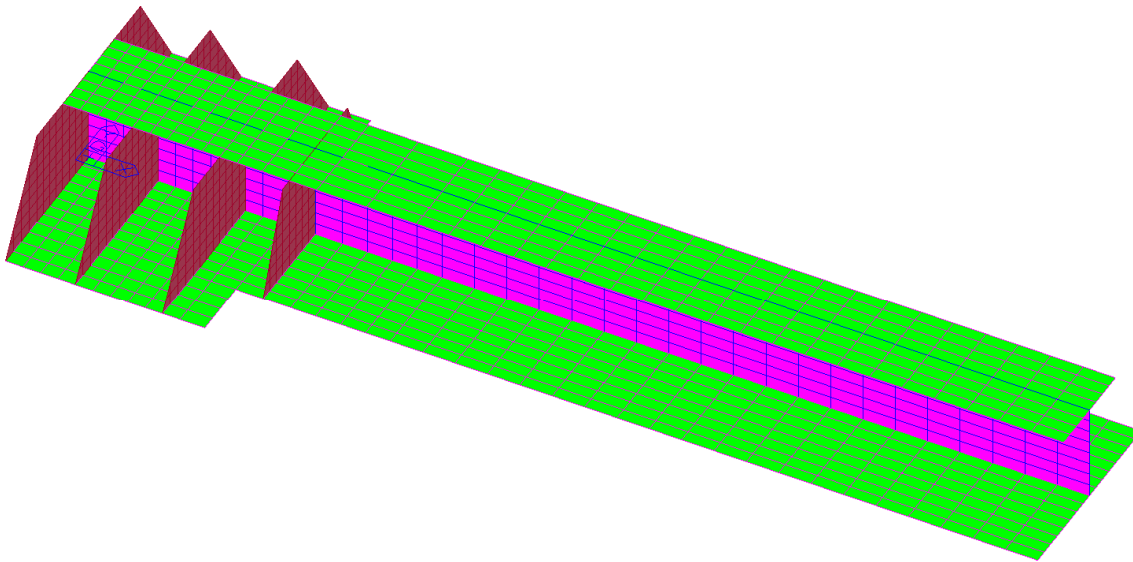
4	gLCB4	Add	ACTIVE	1.0D + 0.5peso accidentale + 0.0WL
---	-------	-----	--------	------------------------------------

5	gLCB5	Add	ACTIVE	1.0D + 0.3peso accidentale
6	gLCB6	Add	ACTIVE	1.0D + 0.3peso accidentale + 0.0WL
7	STL ENV_S~	Envelope	ACTIVE	Steel Strength Envelope
8	STL ENV_S~	Envelope	ACTIVE	Steel Serviceability Envelope

**< Self Weight >**

[ LOAD CASE : peso proprio ]

; X=0, Y=0, Z=-1



**Figura 1 Vista 3D**

**Tabella 1 Materiali**

ID	Name	Type	Standard	DB	Elasticity (kgf/cm <sup>2</sup> )	Poisson	Thermal (1/[F])	Density (kgf/cm <sup>3</sup> )	Mass Density (kgf/cm <sup>3</sup> /g)
1	Fe430	Steel	UNI (S)	Fe430	2.1006e+006	0.3	6.6667e-006	7.8498e-003	8.0045e-006

**Tabella 2 Spessori**

ID	Type	In=Out	Thick-In (cm)
1	Piattabande	Yes	1.5000
2	Anima	Yes	1.0000
3	Rinforzi	Yes	1.0000

**Tabella 3 Vincoli nodali**

Node	Dx	Dy	Dz	Rx	Ry	Rz	Group
969	1	1	1	0	0	0	Default
971	1	1	1	0	0	0	Default
1112	1	1	1	0	0	0	Default
1117	1	1	1	0	0	0	Default
1237	1	1	1	0	0	0	Default
1272	1	1	1	0	0	0	Default

**Tabella 4 Vincoli monolateri**

Node	Type	Stiffness (kgf/cm)	Direction
1	Comp.-only	43750.00	Vector
2	Comp.-only	87500.00	Vector
3	Comp.-only	87500.00	Vector
4	Comp.-only	106250.00	Vector
5	Comp.-only	131250.00	Vector
43	Comp.-only	87500.00	Vector
45	Comp.-only	87500.00	Vector
47	Comp.-only	131250.00	Vector
728	Comp.-only	43750.00	Vector
729	Comp.-only	87500.00	Vector
730	Comp.-only	43750.00	Vector
731	Comp.-only	43750.00	Vector
732	Comp.-only	87500.00	Vector

Node	Type	Stiffness (kgf/cm)	Direction
733	Comp.-only	87500.00	Vector
734	Comp.-only	87500.00	Vector
735	Comp.-only	87500.00	Vector
736	Comp.-only	87500.00	Vector
737	Comp.-only	87500.00	Vector
738	Comp.-only	87500.00	Vector
739	Comp.-only	87500.00	Vector
740	Comp.-only	106250.00	Vector
741	Comp.-only	106250.00	Vector
742	Comp.-only	131250.00	Vector
743	Comp.-only	131250.00	Vector
744	Comp.-only	131250.00	Vector
745	Comp.-only	131250.00	Vector
752	Comp.-only	87500.00	Vector
753	Comp.-only	87500.00	Vector
754	Comp.-only	87500.00	Vector
755	Comp.-only	106250.00	Vector
756	Comp.-only	131250.00	Vector
757	Comp.-only	131250.00	Vector
761	Comp.-only	43750.00	Vector
762	Comp.-only	43750.00	Vector
763	Comp.-only	87500.00	Vector
764	Comp.-only	87500.00	Vector
765	Comp.-only	43750.00	Vector
766	Comp.-only	43750.00	Vector
767	Comp.-only	87500.00	Vector
768	Comp.-only	87500.00	Vector
769	Comp.-only	87500.00	Vector
770	Comp.-only	87500.00	Vector
771	Comp.-only	87500.00	Vector

Node	Type	Stiffness (kgf/cm)	Direction
772	Comp.-only	87500.00	Vector
773	Comp.-only	87500.00	Vector
774	Comp.-only	87500.00	Vector
775	Comp.-only	106250.00	Vector
776	Comp.-only	106250.00	Vector
777	Comp.-only	131250.00	Vector
778	Comp.-only	131250.00	Vector
779	Comp.-only	131250.00	Vector
780	Comp.-only	131250.00	Vector
783	Comp.-only	87500.00	Vector
784	Comp.-only	87500.00	Vector
785	Comp.-only	87500.00	Vector
786	Comp.-only	87500.00	Vector
787	Comp.-only	87500.00	Vector
788	Comp.-only	87500.00	Vector
789	Comp.-only	106250.00	Vector
790	Comp.-only	106250.00	Vector
791	Comp.-only	131250.00	Vector
792	Comp.-only	131250.00	Vector
793	Comp.-only	131250.00	Vector
794	Comp.-only	131250.00	Vector
938	Comp.-only	43750.00	Vector
939	Comp.-only	87500.00	Vector
940	Comp.-only	87500.00	Vector
941	Comp.-only	87500.00	Vector
942	Comp.-only	87500.00	Vector
943	Comp.-only	106250.00	Vector
944	Comp.-only	131250.00	Vector
945	Comp.-only	131250.00	Vector
968	Comp.-only	43750.00	Vector

<b>Node</b>	<b>Type</b>	<b>Stiffness (kgf/cm)</b>	<b>Direction</b>
969	Comp.-only	87500.00	Vector
970	Comp.-only	87500.00	Vector
971	Comp.-only	87500.00	Vector
972	Comp.-only	87500.00	Vector
973	Comp.-only	106250.00	Vector
974	Comp.-only	131250.00	Vector
975	Comp.-only	131250.00	Vector
979	Comp.-only	43750.00	Vector
980	Comp.-only	43750.00	Vector
981	Comp.-only	87500.00	Vector
982	Comp.-only	87500.00	Vector
983	Comp.-only	87500.00	Vector
984	Comp.-only	87500.00	Vector
985	Comp.-only	87500.00	Vector
986	Comp.-only	87500.00	Vector
987	Comp.-only	87500.00	Vector
988	Comp.-only	87500.00	Vector
989	Comp.-only	106250.00	Vector
990	Comp.-only	106250.00	Vector
991	Comp.-only	131250.00	Vector
992	Comp.-only	131250.00	Vector
993	Comp.-only	131250.00	Vector
994	Comp.-only	131250.00	Vector
1058	Comp.-only	48125.00	Vector
1059	Comp.-only	96250.00	Vector
1060	Comp.-only	96250.00	Vector
1061	Comp.-only	96250.00	Vector
1062	Comp.-only	96250.00	Vector
1063	Comp.-only	116875.00	Vector
1064	Comp.-only	103125.00	Vector

<b>Node</b>	<b>Type</b>	<b>Stiffness (kgf/cm)</b>	<b>Direction</b>
1065	Comp.-only	65625.00	Vector
1088	Comp.-only	48125.00	Vector
1089	Comp.-only	43750.00	Vector
1090	Comp.-only	87500.00	Vector
1091	Comp.-only	96250.00	Vector
1092	Comp.-only	87500.00	Vector
1093	Comp.-only	96250.00	Vector
1094	Comp.-only	96250.00	Vector
1095	Comp.-only	87500.00	Vector
1096	Comp.-only	87500.00	Vector
1097	Comp.-only	96250.00	Vector
1098	Comp.-only	116875.00	Vector
1099	Comp.-only	106250.00	Vector
1100	Comp.-only	131250.00	Vector
1101	Comp.-only	103125.00	Vector
1102	Comp.-only	65625.00	Vector
1103	Comp.-only	131250.00	Vector
1110	Comp.-only	43750.00	Vector
1111	Comp.-only	43750.00	Vector
1112	Comp.-only	87500.00	Vector
1113	Comp.-only	87500.00	Vector
1114	Comp.-only	87500.00	Vector
1115	Comp.-only	87500.00	Vector
1116	Comp.-only	87500.00	Vector
1117	Comp.-only	87500.00	Vector
1118	Comp.-only	87500.00	Vector
1119	Comp.-only	87500.00	Vector
1120	Comp.-only	106250.00	Vector
1121	Comp.-only	106250.00	Vector
1122	Comp.-only	131250.00	Vector

Node	Type	Stiffness (kgf/cm)	Direction
1123	Comp.-only	131250.00	Vector
1124	Comp.-only	131250.00	Vector
1125	Comp.-only	131250.00	Vector
1208	Comp.-only	137500.00	Vector
1209	Comp.-only	137500.00	Vector
1210	Comp.-only	137500.00	Vector
1211	Comp.-only	137500.00	Vector
1212	Comp.-only	137500.00	Vector
1213	Comp.-only	137500.00	Vector
1214	Comp.-only	137500.00	Vector
1215	Comp.-only	137500.00	Vector
1216	Comp.-only	68750.00	Vector
1229	Comp.-only	52500.00	Vector
1230	Comp.-only	105000.00	Vector
1231	Comp.-only	105000.00	Vector
1232	Comp.-only	105000.00	Vector
1233	Comp.-only	105000.00	Vector
1234	Comp.-only	127500.00	Vector
1235	Comp.-only	75000.00	Vector
1236	Comp.-only	52500.00	Vector
1237	Comp.-only	105000.00	Vector
1238	Comp.-only	105000.00	Vector
1239	Comp.-only	105000.00	Vector
1240	Comp.-only	105000.00	Vector
1241	Comp.-only	127500.00	Vector
1242	Comp.-only	75000.00	Vector
1243	Comp.-only	52500.00	Vector
1244	Comp.-only	105000.00	Vector
1245	Comp.-only	105000.00	Vector
1246	Comp.-only	105000.00	Vector



<b>Node</b>	<b>Type</b>	<b>Stiffness (kgf/cm)</b>	<b>Direction</b>
1247	Comp.-only	105000.00	Vector
1248	Comp.-only	127500.00	Vector
1249	Comp.-only	75000.00	Vector
1250	Comp.-only	26250.00	Vector
1251	Comp.-only	52500.00	Vector
1252	Comp.-only	52500.00	Vector
1253	Comp.-only	52500.00	Vector
1254	Comp.-only	52500.00	Vector
1255	Comp.-only	63750.00	Vector
1256	Comp.-only	37500.00	Vector
1257	Comp.-only	26250.00	Vector
1258	Comp.-only	52500.00	Vector
1259	Comp.-only	105000.00	Vector
1260	Comp.-only	52500.00	Vector
1261	Comp.-only	105000.00	Vector
1262	Comp.-only	52500.00	Vector
1263	Comp.-only	52500.00	Vector
1264	Comp.-only	105000.00	Vector
1265	Comp.-only	105000.00	Vector
1266	Comp.-only	52500.00	Vector
1267	Comp.-only	63750.00	Vector
1268	Comp.-only	127500.00	Vector
1269	Comp.-only	75000.00	Vector
1270	Comp.-only	37500.00	Vector
1271	Comp.-only	52500.00	Vector
1272	Comp.-only	105000.00	Vector
1273	Comp.-only	105000.00	Vector
1274	Comp.-only	105000.00	Vector
1275	Comp.-only	105000.00	Vector
1276	Comp.-only	127500.00	Vector

Node	Type	Stiffness (kgf/cm)	Direction
1277	Comp.-only	75000.00	Vector
1278	Comp.-only	52500.00	Vector
1279	Comp.-only	105000.00	Vector
1280	Comp.-only	105000.00	Vector
1281	Comp.-only	105000.00	Vector
1282	Comp.-only	105000.00	Vector
1283	Comp.-only	127500.00	Vector
1284	Comp.-only	75000.00	Vector
1285	Comp.-only	137500.00	Vector
1286	Comp.-only	137500.00	Vector
1287	Comp.-only	137500.00	Vector
1288	Comp.-only	137500.00	Vector
1291	Comp.-only	137500.00	Vector
1292	Comp.-only	137500.00	Vector
1293	Comp.-only	62500.00	Vector
1294	Comp.-only	62500.00	Vector
1295	Comp.-only	62500.00	Vector
1296	Comp.-only	62500.00	Vector
1301	Comp.-only	62500.00	Vector
1302	Comp.-only	62500.00	Vector
1303	Comp.-only	62500.00	Vector
1304	Comp.-only	62500.00	Vector
1309	Comp.-only	62500.00	Vector
1311	Comp.-only	62500.00	Vector
1313	Comp.-only	62500.00	Vector
1314	Comp.-only	62500.00	Vector
1317	Comp.-only	31250.00	Vector
1319	Comp.-only	31250.00	Vector
1320	Comp.-only	62500.00	Vector
1323	Comp.-only	62500.00	Vector

Node	Type	Stiffness (kgf/cm)	Direction
1324	Comp.-only	62500.00	Vector
1512	Comp.-only	87500.00	Vector
1513	Comp.-only	87500.00	Vector
1514	Comp.-only	87500.00	Vector
1515	Comp.-only	87500.00	Vector
1516	Comp.-only	87500.00	Vector
1517	Comp.-only	87500.00	Vector
1518	Comp.-only	87500.00	Vector
1519	Comp.-only	87500.00	Vector
1520	Comp.-only	87500.00	Vector
1521	Comp.-only	87500.00	Vector
1522	Comp.-only	87500.00	Vector
1523	Comp.-only	87500.00	Vector
1524	Comp.-only	87500.00	Vector
1525	Comp.-only	87500.00	Vector
1526	Comp.-only	87500.00	Vector
1527	Comp.-only	87500.00	Vector
1528	Comp.-only	87500.00	Vector
1529	Comp.-only	87500.00	Vector
1530	Comp.-only	87500.00	Vector
1531	Comp.-only	87500.00	Vector
1532	Comp.-only	87500.00	Vector
1533	Comp.-only	87500.00	Vector
1534	Comp.-only	87500.00	Vector
1535	Comp.-only	87500.00	Vector
1536	Comp.-only	87500.00	Vector
1537	Comp.-only	87500.00	Vector
1538	Comp.-only	87500.00	Vector
1539	Comp.-only	87500.00	Vector
1540	Comp.-only	87500.00	Vector

<b>Node</b>	<b>Type</b>	<b>Stiffness (kgf/cm)</b>	<b>Direction</b>
1541	Comp.-only	87500.00	Vector
1542	Comp.-only	87500.00	Vector
1543	Comp.-only	87500.00	Vector
1544	Comp.-only	87500.00	Vector
1545	Comp.-only	87500.00	Vector
1546	Comp.-only	87500.00	Vector
1547	Comp.-only	87500.00	Vector
1548	Comp.-only	87500.00	Vector
1549	Comp.-only	87500.00	Vector
1550	Comp.-only	87500.00	Vector
1551	Comp.-only	87500.00	Vector
1552	Comp.-only	87500.00	Vector
1553	Comp.-only	87500.00	Vector
1554	Comp.-only	87500.00	Vector
1555	Comp.-only	87500.00	Vector
1556	Comp.-only	87500.00	Vector
1557	Comp.-only	87500.00	Vector
1558	Comp.-only	87500.00	Vector
1559	Comp.-only	87500.00	Vector
1560	Comp.-only	87500.00	Vector
1561	Comp.-only	87500.00	Vector
1562	Comp.-only	87500.00	Vector
1563	Comp.-only	87500.00	Vector
1564	Comp.-only	87500.00	Vector
1565	Comp.-only	87500.00	Vector
1566	Comp.-only	87500.00	Vector
1567	Comp.-only	87500.00	Vector
1568	Comp.-only	87500.00	Vector
1569	Comp.-only	87500.00	Vector
1570	Comp.-only	87500.00	Vector

<b>Node</b>	<b>Type</b>	<b>Stiffness (kgf/cm)</b>	<b>Direction</b>
1571	Comp.-only	87500.00	Vector
1572	Comp.-only	96250.00	Vector
1573	Comp.-only	96250.00	Vector
1574	Comp.-only	96250.00	Vector
1575	Comp.-only	96250.00	Vector
1576	Comp.-only	96250.00	Vector
1577	Comp.-only	96250.00	Vector
1578	Comp.-only	87500.00	Vector
1579	Comp.-only	96250.00	Vector
1580	Comp.-only	87500.00	Vector
1581	Comp.-only	96250.00	Vector
1582	Comp.-only	87500.00	Vector
1583	Comp.-only	96250.00	Vector
1584	Comp.-only	87500.00	Vector
1585	Comp.-only	96250.00	Vector
1586	Comp.-only	87500.00	Vector
1587	Comp.-only	87500.00	Vector
1588	Comp.-only	87500.00	Vector
1589	Comp.-only	87500.00	Vector
1590	Comp.-only	87500.00	Vector
1591	Comp.-only	87500.00	Vector
1592	Comp.-only	87500.00	Vector
1593	Comp.-only	87500.00	Vector
1594	Comp.-only	87500.00	Vector
1595	Comp.-only	87500.00	Vector
1596	Comp.-only	87500.00	Vector
1597	Comp.-only	105000.00	Vector
1598	Comp.-only	105000.00	Vector
1599	Comp.-only	105000.00	Vector
1600	Comp.-only	105000.00	Vector

<b>Node</b>	<b>Type</b>	<b>Stiffness (kgf/cm)</b>	<b>Direction</b>
1601	Comp.-only	105000.00	Vector
1602	Comp.-only	105000.00	Vector
1603	Comp.-only	105000.00	Vector
1604	Comp.-only	105000.00	Vector
1605	Comp.-only	105000.00	Vector
1606	Comp.-only	105000.00	Vector
1607	Comp.-only	105000.00	Vector
1608	Comp.-only	105000.00	Vector
1609	Comp.-only	105000.00	Vector
1610	Comp.-only	105000.00	Vector
1611	Comp.-only	105000.00	Vector
1612	Comp.-only	52500.00	Vector
1613	Comp.-only	52500.00	Vector
1614	Comp.-only	52500.00	Vector
1615	Comp.-only	52500.00	Vector
1616	Comp.-only	52500.00	Vector
1617	Comp.-only	52500.00	Vector
1618	Comp.-only	105000.00	Vector
1619	Comp.-only	52500.00	Vector
1620	Comp.-only	105000.00	Vector
1621	Comp.-only	52500.00	Vector
1622	Comp.-only	105000.00	Vector
1623	Comp.-only	52500.00	Vector
1624	Comp.-only	105000.00	Vector
1625	Comp.-only	52500.00	Vector
1626	Comp.-only	105000.00	Vector
1627	Comp.-only	105000.00	Vector
1628	Comp.-only	105000.00	Vector
1629	Comp.-only	105000.00	Vector
1630	Comp.-only	105000.00	Vector

Node	Type	Stiffness (kgf/cm)	Direction
1631	Comp.-only	105000.00	Vector
1632	Comp.-only	105000.00	Vector
1633	Comp.-only	105000.00	Vector
1634	Comp.-only	105000.00	Vector
1635	Comp.-only	105000.00	Vector
1636	Comp.-only	105000.00	Vector

**Tabella 5 Reazioni vincolari**

Node	Load	Step	FX (kgf)	FY (kgf)	FZ (kgf)
969	peso proprio	nl_001	-22.820840	-22.868443	-48.049105
969	peso proprio	nl_max	-22.820840	-22.868443	-48.049105
969	peso proprio	nl_min	-22.820840	-22.868443	-48.049105
971	peso proprio	nl_001	-2.174188	2.601071	-20.296832
971	peso proprio	nl_max	-2.174188	2.601071	-20.296832
971	peso proprio	nl_min	-2.174188	2.601071	-20.296832
1112	peso proprio	nl_001	-22.819099	22.897665	-48.071039
1112	peso proprio	nl_max	-22.819099	22.897665	-48.071039
1112	peso proprio	nl_min	-22.819099	22.897665	-48.071039
1117	peso proprio	nl_001	-2.189945	-2.673248	-19.977866
1117	peso proprio	nl_max	-2.189945	-2.673248	-19.977866
1117	peso proprio	nl_min	-2.189945	-2.673248	-19.977866
1237	peso proprio	nl_001	25.018099	-20.981784	-26.567617
1237	peso proprio	nl_max	25.018099	-20.981784	-26.567617
1237	peso proprio	nl_min	25.018099	-20.981784	-26.567617
1272	peso proprio	nl_001	24.985973	21.024739	-26.678672
1272	peso proprio	nl_max	24.985973	21.024739	-26.678672
1272	peso proprio	nl_min	24.985973	21.024739	-26.678672
969	peso permanente	nl_001	-998.311030	-1053.532030	-2514.210339
969	peso permanente	nl_max	-998.311030	-1053.532030	-2514.210339

Node	Load	Step	FX (kgf)	FY (kgf)	FZ (kgf)
969	peso permanente	nl_min	-998.311030	-1053.532030	-2514.210339
971	peso permanente	nl_001	-100.947476	110.020492	-1285.051675
971	peso permanente	nl_max	-100.947476	110.020492	-1285.051675
971	peso permanente	nl_min	-100.947476	110.020492	-1285.051675
1112	peso permanente	nl_001	-998.099595	1054.487596	-2514.974227
1112	peso permanente	nl_max	-998.099595	1054.487596	-2514.974227
1112	peso permanente	nl_min	-998.099595	1054.487596	-2514.974227
1117	peso permanente	nl_001	-101.197236	-112.402173	-1272.404110
1117	peso permanente	nl_max	-101.197236	-112.402173	-1272.404110
1117	peso permanente	nl_min	-101.197236	-112.402173	-1272.404110
1237	peso permanente	nl_001	1099.909705	-965.106963	-1429.187015
1237	peso permanente	nl_max	1099.909705	-965.106963	-1429.187015
1237	peso permanente	nl_min	1099.909705	-965.106963	-1429.187015
1272	peso permanente	nl_001	1098.645631	966.533078	-1433.287170
1272	peso permanente	nl_max	1098.645631	966.533078	-1433.287170
1272	peso permanente	nl_min	1098.645631	966.533078	-1433.287170
969	peso accidentale	nl_001	-799.768379	-841.770782	-2024.521294
969	peso accidentale	nl_max	-799.768379	-841.770782	-2024.521294
969	peso accidentale	nl_min	-799.768379	-841.770782	-2024.521294
971	peso accidentale	nl_001	-81.169964	90.508543	-1043.308607
971	peso accidentale	nl_max	-81.169964	90.508543	-1043.308607
971	peso accidentale	nl_min	-81.169964	90.508543	-1043.308607
1112	peso accidentale	nl_001	-799.593174	842.518263	-2025.125963
1112	peso accidentale	nl_max	-799.593174	842.518263	-2025.125963
1112	peso accidentale	nl_min	-799.593174	842.518263	-2025.125963
1117	peso accidentale	nl_001	-81.332093	-92.370162	-1033.176134
1117	peso accidentale	nl_max	-81.332093	-92.370162	-1033.176134
1117	peso accidentale	nl_min	-81.332093	-92.370162	-1033.176134
1237	peso accidentale	nl_001	881.436159	-771.872276	-1152.117989
1237	peso accidentale	nl_max	881.436159	-771.872276	-1152.117989



Node	Load	Step	FX (kgf)	FY (kgf)	FZ (kgf)
1237	peso accidentale	nl_min	881.436159	-771.872276	-1152.117989
1272	peso accidentale	nl_001	880.427450	772.986413	-1155.360545
1272	peso accidentale	nl_max	880.427450	772.986413	-1155.360545
1272	peso accidentale	nl_min	880.427450	772.986413	-1155.360545
969	STL ENV_STR(all)		-2629.237186	-2769.616835	-6623.945163
971	STL ENV_STR(all)		-266.125275	293.433003	-3392.450821
1112	STL ENV_STR(all)		-2628.675933	2772.116760	-6625.952317
1117	STL ENV_STR(all)		-266.740193	-299.660832	-3359.098968
1237	STL ENV_STR(all)		2897.053165	-2538.332660	-3766.233468
1272	STL ENV_STR(all)		2893.725421	2542.060564	-3776.992996
969	STL ENV_SER(all)		-1820.900249	-1918.171255	-4586.780738
971	STL ENV_SER(all)		-184.291628	203.130106	-2348.657114
1112	STL ENV_SER(all)		-1820.511868	1919.903524	-4588.171229
1117	STL ENV_SER(all)		-184.719274	-207.445583	-2325.558110
1237	STL ENV_SER(all)		2006.363963	-1757.961023	-2607.872621
1272	STL ENV_SER(all)		2004.059054	1760.544231	-2615.326387
SUMMATION OF REACTION FORCES PRINTOUT					
	Load	Step	FX (kgf)	FY (kgf)	FZ (kgf)
	peso proprio	nl_001	-0.000000	-0.000000	214.473271
	peso proprio	nl_max	-0.000000	-0.000000	214.473271
	peso proprio	nl_min	-0.000000	-0.000000	214.473271
	peso permanente	nl_001	-0.000001	-0.000000	6166.818821
	peso permanente	nl_max	-0.000001	-0.000000	6166.818821
	peso permanente	nl_min	-0.000001	-0.000000	6166.818821
	peso accidentale	nl_001	-0.000000	0.000000	4832.979037
	peso accidentale	nl_max	-0.000000	0.000000	4832.979037
	peso accidentale	nl_min	-0.000000	0.000000	4832.979037
	STL ENV_STR(all)		-0.000002	-0.000000	16183.277484
	STL ENV_SER(all)		-0.000001	-0.000000	11214.271129

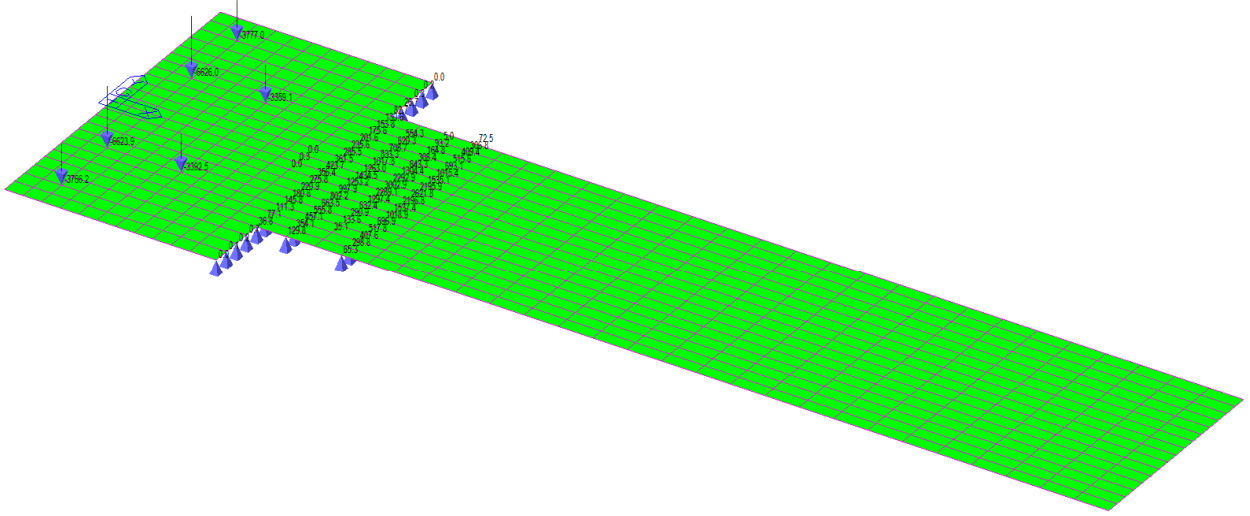


Figura 2 Reazioni vincolari

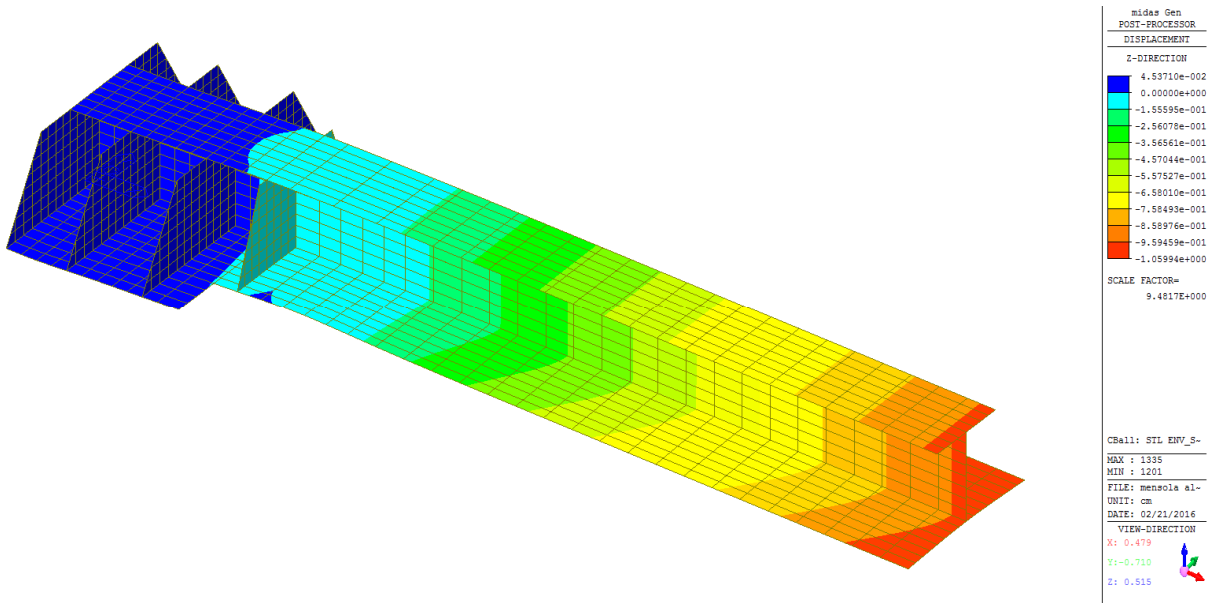


Figura 3 Deformata trave

Tabella 6 sforzi sulla trave

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
13	STL ENV_STR(all)		8	-1325.05	-344.59	54.54	-91.20	-234.82	0.00
13	STL ENV_STR(all)		620	1072.73	0.27	-133.55	-72.15	13.68	0.00
13	STL ENV_STR(all)		1468	893.03	352.96	-27.40	-55.40	28.67	0.00
13	STL ENV_STR(all)		1467	-640.72	-8.64	106.56	-58.83	-209.24	0.00
14	STL ENV_STR(all)		29	-518.40	166.15	22.20	123.21	-0.00	0.00
14	STL ENV_STR(all)		614	358.20	158.87	13.59	35.67	4.89	0.00
14	STL ENV_STR(all)		1470	246.43	65.39	-15.31	-21.28	-0.16	0.00
14	STL ENV_STR(all)		1469	-86.23	-390.41	-20.33	-11.85	-9.04	0.00
15	STL ENV_STR(all)		30	69.74	176.73	16.05	13.10	13.10	0.00
15	STL ENV_STR(all)		625	141.77	-287.32	18.04	14.20	-4.39	0.00
15	STL ENV_STR(all)		1472	-146.37	-8.80	-20.71	29.14	-19.35	0.00
15	STL ENV_STR(all)		1471	-65.14	119.39	-13.24	62.26	3.31	0.00
16	STL ENV_STR(all)		31	47.61	-758.86	-48.87	-32.80	-36.34	0.00
16	STL ENV_STR(all)		626	121.87	-1052.96	-25.85	-85.10	-24.86	0.00
16	STL ENV_STR(all)		1474	-96.63	815.63	33.80	-100.49	41.15	0.00
16	STL ENV_STR(all)		1473	-72.85	996.20	41.07	-44.02	39.68	0.00
17	STL ENV_STR(all)		32	60.96	-1802.55	-77.85	-55.42	-63.32	0.00
17	STL ENV_STR(all)		627	65.80	-2111.12	-44.81	-184.25	-4.30	0.00
17	STL ENV_STR(all)		605	-133.81	1857.31	49.51	-232.34	16.67	0.00
17	STL ENV_STR(all)		57	7.05	2056.35	73.36	-145.16	62.31	0.00
18	STL ENV_STR(all)		33	40.01	-2474.38	25.21	203.27	8.73	0.00
18	STL ENV_STR(all)		628	-31.21	-2602.78	24.97	179.22	23.54	0.00
18	STL ENV_STR(all)		629	3.67	2567.81	-27.11	42.49	-9.88	0.00
18	STL ENV_STR(all)		58	-12.47	2509.34	-22.66	-2.70	-28.40	0.00
19	STL ENV_STR(all)		34	12.43	-2261.94	8.10	50.45	4.54	0.00
19	STL ENV_STR(all)		630	-83.89	-2082.58	10.51	47.76	5.02	0.00
19	STL ENV_STR(all)		631	60.20	2268.58	-8.86	-13.18	-0.16	0.00
19	STL ENV_STR(all)		228	11.26	2075.94	-9.49	-20.10	-4.69	0.00
20	STL ENV_STR(all)		9	-626.06	-611.41	44.25	45.37	-222.12	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
20	STL ENV_STR(all)		624	60.37	140.59	-44.34	38.09	90.55	0.00
20	STL ENV_STR(all)		1476	710.01	651.35	-65.42	-50.25	100.78	0.00
20	STL ENV_STR(all)		1475	-144.32	-180.53	65.65	-34.94	-242.41	0.00
21	STL ENV_STR(all)		10	-801.80	-1739.91	53.64	41.17	-168.03	0.00
21	STL ENV_STR(all)		632	-358.26	-142.41	-21.39	95.88	115.06	0.00
21	STL ENV_STR(all)		1478	700.93	1766.71	-36.26	12.60	58.34	0.00
21	STL ENV_STR(all)		1477	459.13	115.62	4.15	-38.80	-148.62	0.00
22	STL ENV_STR(all)		11	-574.89	-3300.21	48.97	60.81	208.80	0.00
22	STL ENV_STR(all)		633	-588.42	-940.05	52.83	87.21	-127.93	0.00
22	STL ENV_STR(all)		575	356.70	3267.34	70.17	192.43	-145.06	0.00
22	STL ENV_STR(all)		53	806.61	972.92	-171.76	161.34	373.44	0.00
23	STL ENV_STR(all)		12	643.51	-2749.45	-136.43	-51.79	435.43	0.00
23	STL ENV_STR(all)		634	-517.53	-2870.85	89.08	-118.01	-180.30	0.00
23	STL ENV_STR(all)		635	-429.28	2366.99	22.26	-213.26	-140.84	0.00
23	STL ENV_STR(all)		54	303.30	3253.31	25.49	-174.44	161.86	0.00
24	STL ENV_STR(all)		13	418.12	-1412.20	-40.92	-46.84	71.56	0.00
24	STL ENV_STR(all)		636	199.16	-2990.47	17.17	-32.66	-12.92	0.00
24	STL ENV_STR(all)		637	-300.23	1385.21	9.52	-62.97	-25.92	0.00
24	STL ENV_STR(all)		234	-317.05	3017.45	14.50	-68.45	25.87	0.00
25	STL ENV_STR(all)		1	-770.96	-611.63	-0.14	-0.17	-0.09	0.00
25	STL ENV_STR(all)		1512	-489.49	184.26	-0.12	-0.29	-0.05	0.00
25	STL ENV_STR(all)		1637	718.69	715.70	0.07	-0.13	0.05	0.00
25	STL ENV_STR(all)		1335	541.76	-288.23	0.19	-0.06	-0.08	0.00
26	STL ENV_STR(all)		2	-1026.34	-970.47	-0.10	-0.11	0.04	0.00
26	STL ENV_STR(all)		1520	-804.64	350.18	0.03	-0.23	-0.01	0.00
26	STL ENV_STR(all)		1638	982.96	957.27	0.06	0.01	0.10	0.00
26	STL ENV_STR(all)		1336	848.02	-336.88	0.01	0.16	0.18	0.00
27	STL ENV_STR(all)		3	-1883.46	-1598.66	0.01	0.46	-0.09	0.00
27	STL ENV_STR(all)		1522	-2299.08	1350.74	0.08	0.23	0.04	0.00
27	STL ENV_STR(all)		1639	1930.91	1636.93	-0.03	-0.31	0.20	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
27	STL ENV_STR(all)		1338	2251.63	-1388.92	-0.06	-0.15	0.03	0.00
28	STL ENV_STR(all)		4	-2163.92	-1448.00	0.20	2.32	-0.18	0.00
28	STL ENV_STR(all)		47	-3930.20	1741.18	0.73	2.43	0.68	0.00
28	STL ENV_STR(all)		1341	2310.98	1307.03	-0.37	-1.39	1.26	0.00
28	STL ENV_STR(all)		1340	3783.14	-1600.07	-0.56	-1.03	0.11	0.00
29	STL ENV_STR(all)		5	2151.66	4424.30	0.85	3.30	-0.99	0.00
29	STL ENV_STR(all)		1295	-2135.34	4503.54	-0.04	3.66	0.20	0.00
29	STL ENV_STR(all)		1343	-1275.84	-4501.37	-0.47	-2.40	-0.18	0.00
29	STL ENV_STR(all)		1342	1259.51	-4426.33	-0.34	-2.46	-1.57	0.00
30	STL ENV_STR(all)		6	2634.75	475.07	0.19	4.07	-0.49	0.00
30	STL ENV_STR(all)		183	962.72	-924.85	0.33	3.62	0.34	0.00
30	STL ENV_STR(all)		1345	-2377.83	-456.42	-0.24	-3.27	0.79	0.00
30	STL ENV_STR(all)		1344	-1219.64	906.38	-0.28	-3.13	-0.06	0.00
35	STL ENV_STR(all)		43	-2098.40	-1501.14	0.02	0.24	0.04	0.00
35	STL ENV_STR(all)		1528	-1662.61	1062.12	0.14	0.26	0.08	0.00
35	STL ENV_STR(all)		1640	2107.12	1623.96	-0.02	-0.11	0.17	0.00
35	STL ENV_STR(all)		1337	1653.90	-1184.85	-0.14	0.02	0.14	0.00
36	STL ENV_STR(all)		45	-1458.17	-1312.39	0.18	0.52	-0.10	0.00
36	STL ENV_STR(all)		1530	-2512.32	1552.24	0.38	0.65	-0.07	0.00
36	STL ENV_STR(all)		1641	1436.40	1284.56	-0.42	0.08	0.00	0.00
36	STL ENV_STR(all)		1339	2534.09	-1524.32	-0.13	0.13	0.04	0.00
37	STL ENV_STR(all)		47	-1659.81	-565.79	1.24	3.60	-0.68	0.00
37	STL ENV_STR(all)		1208	-4394.31	2380.60	1.58	3.79	-0.31	0.00
37	STL ENV_STR(all)		1346	1845.71	373.65	-1.91	0.03	-0.32	0.00
37	STL ENV_STR(all)		1341	4208.41	-2188.31	-0.92	-0.34	-0.42	0.00
38	STL ENV_STR(all)		49	2730.35	1568.20	0.34	3.58	-0.66	0.00
38	STL ENV_STR(all)		1299	398.33	-407.29	0.22	3.40	0.37	0.00
38	STL ENV_STR(all)		1348	-2563.86	-1152.17	-0.28	-2.85	0.53	0.00
38	STL ENV_STR(all)		1347	-564.82	-8.60	-0.28	-2.74	-0.56	0.00
39	STL ENV_STR(all)		55	-711.93	-1131.89	-16.75	-370.75	59.96	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
39	STL ENV_STR(all)		587	347.84	-375.37	-68.00	-254.47	-75.94	0.00
39	STL ENV_STR(all)		1480	406.31	884.94	32.34	177.75	-91.57	0.00
39	STL ENV_STR(all)		1479	-42.23	622.32	52.55	148.74	18.42	0.00
40	STL ENV_STR(all)		56	61.09	-1262.66	-38.09	72.81	-35.94	0.00
40	STL ENV_STR(all)		596	231.72	-1643.03	-20.75	62.74	12.29	0.00
40	STL ENV_STR(all)		1482	-14.98	1233.04	13.76	-132.77	45.04	0.00
40	STL ENV_STR(all)		1481	-277.83	1672.65	45.22	-211.81	-39.33	0.00
41	STL ENV_STR(all)		57	-7.05	-2056.35	-73.36	145.16	-62.31	0.00
41	STL ENV_STR(all)		605	77.03	-2319.69	-24.44	146.79	137.45	0.00
41	STL ENV_STR(all)		1222	42.61	2165.55	105.79	-390.77	168.70	0.00
41	STL ENV_STR(all)		1221	-112.59	2210.49	-7.76	-453.09	-40.92	0.00
42	STL ENV_STR(all)		58	12.47	-2509.34	22.66	2.70	28.40	0.00
42	STL ENV_STR(all)		629	-74.25	-2300.46	-6.68	109.50	-31.72	0.00
42	STL ENV_STR(all)		630	74.21	2547.86	-7.46	8.81	-26.90	0.00
42	STL ENV_STR(all)		34	-12.43	2261.94	-8.10	-50.45	-4.54	0.00
43	STL ENV_STR(all)		51	-1259.90	-778.48	18.06	-359.89	-318.04	0.00
43	STL ENV_STR(all)		557	451.13	186.46	-255.23	-349.02	-40.35	0.00
43	STL ENV_STR(all)		1484	992.52	945.84	-34.98	-51.73	-35.08	0.00
43	STL ENV_STR(all)		1483	-183.74	-353.81	272.30	-70.66	-330.90	0.00
44	STL ENV_STR(all)		52	-728.21	-2243.12	-105.38	-16.66	21.91	0.00
44	STL ENV_STR(all)		566	-472.67	-543.02	-8.08	13.20	92.87	0.00
44	STL ENV_STR(all)		1486	704.32	2224.58	80.35	-183.95	64.89	0.00
44	STL ENV_STR(all)		1485	496.56	561.56	33.25	-213.09	2.21	0.00
45	STL ENV_STR(all)		53	-84.87	-3736.38	-379.75	-163.72	549.96	0.00
45	STL ENV_STR(all)		575	-766.75	-1547.78	145.75	-103.64	119.01	0.00
45	STL ENV_STR(all)		1223	-247.05	3422.37	413.25	-503.68	129.97	0.00
45	STL ENV_STR(all)		1220	1098.67	1861.78	-179.03	-532.41	601.13	0.00
46	STL ENV_STR(all)		54	581.62	-1650.96	71.70	170.59	-41.25	0.00
46	STL ENV_STR(all)		635	-98.67	-3398.92	-23.28	148.89	-74.29	0.00
46	STL ENV_STR(all)		636	-355.42	1466.59	-4.11	28.73	-3.03	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
46	STL ENV_STR(all)		13	-127.53	3583.30	-43.91	44.12	41.03	0.00
101	STL ENV_STR(all)		109	-645.14	-412.06	-0.04	0.03	-0.18	0.00
101	STL ENV_STR(all)		1642	-702.71	520.40	0.00	-0.07	-0.10	0.00
101	STL ENV_STR(all)		1643	655.53	442.48	-0.01	-0.09	0.12	0.00
101	STL ENV_STR(all)		1349	692.32	-550.73	0.05	0.02	0.11	0.00
102	STL ENV_STR(all)		116	-829.33	-613.79	-0.01	0.07	-0.10	0.00
102	STL ENV_STR(all)		1644	-815.02	571.82	-0.01	-0.07	-0.07	0.00
102	STL ENV_STR(all)		1645	848.39	602.71	0.02	-0.10	0.12	0.00
102	STL ENV_STR(all)		1350	795.95	-560.65	0.00	0.03	0.08	0.00
103	STL ENV_STR(all)		117	-2533.47	-1726.64	0.01	0.11	-0.11	0.00
103	STL ENV_STR(all)		1646	-2248.31	1675.97	0.03	-0.03	-0.06	0.00
103	STL ENV_STR(all)		1647	2606.76	1739.42	-0.00	-0.10	0.15	0.00
103	STL ENV_STR(all)		1352	2175.02	-1688.65	-0.03	0.09	0.13	0.00
104	STL ENV_STR(all)		118	-3858.79	-1856.07	0.06	-0.01	-0.38	0.00
104	STL ENV_STR(all)		96	-3556.30	1901.66	-0.06	-0.34	-0.32	0.00
104	STL ENV_STR(all)		1355	4146.42	1805.56	-0.04	0.02	0.15	0.00
104	STL ENV_STR(all)		1354	3268.67	-1851.01	0.04	0.27	0.16	0.00
105	STL ENV_STR(all)		119	-350.73	1350.37	-0.00	0.39	-0.31	0.00
105	STL ENV_STR(all)		1329	618.66	1288.84	0.20	0.11	-0.12	0.00
105	STL ENV_STR(all)		1357	630.95	-1422.65	-0.03	-0.22	0.69	0.00
105	STL ENV_STR(all)		1356	-898.88	-1216.43	-0.16	0.29	0.55	0.00
106	STL ENV_STR(all)		88	-2318.10	-1590.44	-0.00	0.08	-0.08	0.00
106	STL ENV_STR(all)		1648	-2121.22	1603.39	0.02	-0.12	-0.17	0.00
106	STL ENV_STR(all)		1649	2338.58	1567.49	-0.01	-0.05	0.11	0.00
106	STL ENV_STR(all)		1351	2100.74	-1580.34	-0.02	0.13	0.22	0.00
107	STL ENV_STR(all)		92	-2559.24	-1773.59	-0.06	0.18	-0.24	0.00
107	STL ENV_STR(all)		1650	-2209.86	1640.84	-0.01	-0.04	0.07	0.00
107	STL ENV_STR(all)		1651	2689.29	1765.35	0.07	-0.27	0.41	0.00
107	STL ENV_STR(all)		1353	2079.80	-1632.51	-0.00	-0.07	0.01	0.00
108	STL ENV_STR(all)		96	-3912.82	-1474.64	0.05	-0.33	-0.22	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
108	STL ENV_STR(all)		1218	-3553.38	2143.09	-0.12	-0.59	-0.78	0.00
108	STL ENV_STR(all)		1358	4283.79	1250.37	-0.04	0.21	-0.09	0.00
108	STL ENV_STR(all)		1355	3182.41	-1918.67	0.11	0.48	0.38	0.00
109	STL ENV_STR(all)		120	1415.25	1538.08	0.18	1.05	-0.43	0.00
109	STL ENV_STR(all)		1331	1931.19	-381.36	0.21	0.91	0.03	0.00
109	STL ENV_STR(all)		1360	-1082.64	-1292.23	-0.18	-0.61	0.42	0.00
109	STL ENV_STR(all)		1359	-2263.80	135.65	-0.21	-0.33	0.00	0.00
110	STL ENV_STR(all)		115	-518.28	81.15	-19.90	-33.32	-1.44	0.00
110	STL ENV_STR(all)		623	724.38	-210.07	-11.99	-18.39	4.41	0.00
110	STL ENV_STR(all)		1488	264.15	-78.38	19.22	-38.43	7.51	0.00
110	STL ENV_STR(all)		1487	-470.25	207.30	12.82	-21.93	7.26	0.00
111	STL ENV_STR(all)		112	-841.29	-106.27	-33.43	-57.63	-1.72	0.00
111	STL ENV_STR(all)		611	846.89	-121.79	-28.97	-88.50	13.78	0.00
111	STL ENV_STR(all)		1490	573.05	113.86	47.21	-38.70	34.11	0.00
111	STL ENV_STR(all)		1489	-578.66	114.19	15.34	-34.31	-1.17	0.00
112	STL ENV_STR(all)		123	70.20	161.66	-20.38	33.48	-0.71	0.00
112	STL ENV_STR(all)		639	555.82	-690.12	47.43	55.07	109.06	0.00
112	STL ENV_STR(all)		1492	4.97	-186.30	26.83	12.87	84.64	0.00
112	STL ENV_STR(all)		1491	-631.00	714.76	-53.74	-8.52	-9.15	0.00
113	STL ENV_STR(all)		124	235.69	-431.65	-34.84	75.18	-55.64	0.00
113	STL ENV_STR(all)		640	550.51	-1506.82	39.66	-12.34	64.79	0.00
113	STL ENV_STR(all)		1494	-316.48	405.98	8.05	-68.55	110.56	0.00
113	STL ENV_STR(all)		1493	-469.72	1532.49	-12.73	20.69	-1.23	0.00
114	STL ENV_STR(all)		125	348.70	-1287.26	34.63	9.93	-17.49	0.00
114	STL ENV_STR(all)		641	404.41	-2858.58	-52.29	-103.30	-179.84	0.00
114	STL ENV_STR(all)		602	-517.09	1351.88	-57.22	-42.81	-98.96	0.00
114	STL ENV_STR(all)		108	-236.02	2793.96	75.09	41.95	21.16	0.00
115	STL ENV_STR(all)		126	294.37	-2628.64	70.67	-45.90	4.67	0.00
115	STL ENV_STR(all)		642	-340.16	-2746.33	-82.72	68.33	-152.55	0.00
115	STL ENV_STR(all)		643	-165.16	2929.55	-21.25	-56.96	-157.80	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
115	STL ENV_STR(all)		127	210.94	2445.43	33.72	-167.73	45.77	0.00
116	STL ENV_STR(all)		122	-403.42	-647.27	27.73	39.53	-21.28	0.00
116	STL ENV_STR(all)		638	-162.17	163.80	-2.62	13.56	-19.77	0.00
116	STL ENV_STR(all)		1496	452.57	628.03	-14.67	9.70	-3.46	0.00
116	STL ENV_STR(all)		1495	113.01	-144.56	-10.29	23.41	2.51	0.00
117	STL ENV_STR(all)		128	-304.31	-1309.64	7.76	-53.19	2.33	0.00
117	STL ENV_STR(all)		644	-170.90	-636.23	-24.31	52.80	33.59	0.00
117	STL ENV_STR(all)		1498	252.48	1301.67	-4.45	27.82	-35.93	0.00
117	STL ENV_STR(all)		1497	222.73	644.20	21.15	-86.73	-71.82	0.00
118	STL ENV_STR(all)		129	-250.85	-2429.43	-47.66	-150.80	55.07	0.00
118	STL ENV_STR(all)		645	-137.42	-1608.38	-13.08	13.60	55.67	0.00
118	STL ENV_STR(all)		578	108.30	2385.36	39.79	-26.67	-22.82	0.00
118	STL ENV_STR(all)		99	279.97	1652.45	21.16	-144.67	-20.96	0.00
119	STL ENV_STR(all)		130	125.98	-2690.22	-2.14	117.34	-16.76	0.00
119	STL ENV_STR(all)		646	-123.63	-2488.27	12.66	39.86	7.36	0.00
119	STL ENV_STR(all)		647	-60.18	2478.88	14.72	-128.19	9.00	0.00
119	STL ENV_STR(all)		131	57.83	2699.60	-24.82	-3.81	68.37	0.00
120	STL ENV_STR(all)		102	-429.30	-172.83	-102.15	-335.96	104.21	0.00
120	STL ENV_STR(all)		584	852.20	-706.62	-60.72	-338.27	-21.38	0.00
120	STL ENV_STR(all)		1500	246.62	114.49	125.24	49.48	-21.37	0.00
120	STL ENV_STR(all)		1499	-669.52	764.96	37.78	53.13	98.60	0.00
121	STL ENV_STR(all)		105	363.27	-752.59	-27.91	81.92	-64.68	0.00
121	STL ENV_STR(all)		593	600.65	-2061.69	-16.79	34.39	67.61	0.00
121	STL ENV_STR(all)		1502	-384.37	711.99	46.74	-169.48	86.50	0.00
121	STL ENV_STR(all)		1501	-579.55	2102.28	-1.90	-106.72	-15.86	0.00
122	STL ENV_STR(all)		108	425.56	-1762.19	-32.54	26.06	-229.83	0.00
122	STL ENV_STR(all)		602	108.20	-3107.80	-158.27	-41.15	72.99	0.00
122	STL ENV_STR(all)		1225	-558.90	1932.96	57.61	-546.28	121.15	0.00
122	STL ENV_STR(all)		1224	25.14	2937.03	133.42	-502.99	-218.08	0.00
123	STL ENV_STR(all)		127	39.83	-3046.10	2.38	58.64	91.21	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
123	STL ENV_STR(all)		643	-362.30	-1891.48	21.87	129.03	-59.10	0.00
123	STL ENV_STR(all)		648	129.14	3181.90	-9.50	1.15	-9.42	0.00
123	STL ENV_STR(all)		132	193.34	1755.67	-14.34	-36.35	13.44	0.00
124	STL ENV_STR(all)		91	-548.94	-502.89	-55.61	-280.66	82.51	0.00
124	STL ENV_STR(all)		560	527.82	-538.37	-45.51	-307.01	-102.76	0.00
124	STL ENV_STR(all)		1504	356.12	568.05	43.43	107.81	-79.09	0.00
124	STL ENV_STR(all)		1503	-335.00	473.21	57.83	124.34	94.40	0.00
125	STL ENV_STR(all)		95	-418.40	-1880.02	8.54	57.61	-23.69	0.00
125	STL ENV_STR(all)		569	-203.74	-1004.62	-0.49	124.63	46.99	0.00
125	STL ENV_STR(all)		1506	429.69	1875.80	-18.63	-43.56	-4.64	0.00
125	STL ENV_STR(all)		1505	192.45	1008.84	10.72	-113.76	-65.97	0.00
126	STL ENV_STR(all)		99	-87.59	-2652.48	-64.04	71.89	-188.02	0.00
126	STL ENV_STR(all)		578	-168.55	-1944.17	-64.49	118.23	177.49	0.00
126	STL ENV_STR(all)		1227	72.10	2508.13	44.88	-444.65	175.14	0.00
126	STL ENV_STR(all)		1226	184.04	2088.52	83.86	-466.51	-213.07	0.00
127	STL ENV_STR(all)		131	192.96	-2103.84	-11.02	105.64	67.71	0.00
127	STL ENV_STR(all)		647	-9.97	-2743.60	18.99	-15.06	-50.27	0.00
127	STL ENV_STR(all)		649	-72.04	2011.42	-4.64	-84.64	-9.50	0.00
127	STL ENV_STR(all)		133	-110.95	2836.02	-2.92	-15.13	24.17	0.00
128	STL ENV_STR(all)		132	-130.71	-2720.13	6.37	13.00	8.04	0.00
128	STL ENV_STR(all)		648	-285.00	-1654.88	-3.72	8.26	-8.61	0.00
128	STL ENV_STR(all)		650	220.02	2736.07	-6.43	-24.33	-28.25	0.00
128	STL ENV_STR(all)		229	195.69	1638.93	4.04	-35.98	8.38	0.00
129	STL ENV_STR(all)		134	-8.01	-1450.34	4.45	14.44	1.49	0.00
129	STL ENV_STR(all)		651	-61.27	-1263.53	3.20	18.30	0.31	0.00
129	STL ENV_STR(all)		652	61.97	1443.74	-3.57	-9.68	-0.86	0.00
129	STL ENV_STR(all)		240	7.30	1270.12	-3.81	-12.94	-1.22	0.00
130	STL ENV_STR(all)		135	-163.32	-1795.25	3.12	14.56	2.42	0.00
130	STL ENV_STR(all)		653	-180.90	-881.48	3.78	16.82	2.06	0.00
130	STL ENV_STR(all)		654	215.78	1776.64	-3.78	-11.35	0.83	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
130	STL ENV_STR(all)		241	128.45	900.08	-2.85	-14.23	-0.74	0.00
131	STL ENV_STR(all)		137	-5.68	-810.42	2.67	6.50	0.92	0.00
131	STL ENV_STR(all)		655	-44.01	-675.99	2.08	8.50	0.40	0.00
131	STL ENV_STR(all)		656	44.50	805.22	-2.16	-2.68	-0.25	0.00
131	STL ENV_STR(all)		249	5.20	681.18	-2.32	-4.65	-0.86	0.00
132	STL ENV_STR(all)		138	-118.33	-1058.69	2.43	5.57	0.23	0.00
132	STL ENV_STR(all)		657	-129.94	-398.30	1.56	7.46	1.35	0.00
132	STL ENV_STR(all)		658	156.98	1043.87	-2.28	-3.97	1.11	0.00
132	STL ENV_STR(all)		250	91.29	413.12	-1.44	-5.86	-1.10	0.00
133	STL ENV_STR(all)		140	-3.77	-361.79	1.42	-0.02	0.67	0.00
133	STL ENV_STR(all)		659	-28.49	-272.95	1.03	1.47	0.32	0.00
133	STL ENV_STR(all)		660	28.96	356.82	-1.02	2.71	-0.20	0.00
133	STL ENV_STR(all)		258	3.29	277.93	-1.17	1.26	-0.60	0.00
134	STL ENV_STR(all)		141	-81.29	-519.95	1.18	-0.77	0.12	0.00
134	STL ENV_STR(all)		661	-79.94	-86.29	0.68	0.76	1.14	0.00
134	STL ENV_STR(all)		662	106.51	505.50	-1.00	1.78	0.90	0.00
134	STL ENV_STR(all)		259	54.72	100.74	-0.59	0.27	-0.84	0.00
135	STL ENV_STR(all)		143	-1.78	-95.47	0.48	-4.23	0.28	0.00
135	STL ENV_STR(all)		663	-12.59	-52.57	0.28	-3.85	-0.14	0.00
135	STL ENV_STR(all)		664	13.02	89.94	-0.29	5.06	-0.20	0.00
135	STL ENV_STR(all)		267	1.35	58.09	-0.20	4.83	-0.08	0.00
136	STL ENV_STR(all)		144	-44.06	-160.43	0.38	-4.20	0.38	0.00
136	STL ENV_STR(all)		665	-28.29	42.96	0.23	-3.81	0.13	0.00
136	STL ENV_STR(all)		666	54.94	145.16	-0.29	4.83	-0.09	0.00
136	STL ENV_STR(all)		268	17.41	-27.68	-0.05	4.58	0.18	0.00
137	STL ENV_STR(all)		133	173.75	-1873.93	11.05	33.26	-4.04	0.00
137	STL ENV_STR(all)		649	62.24	-2475.42	1.37	34.51	-11.79	0.00
137	STL ENV_STR(all)		667	-98.47	1861.62	-2.92	-27.81	0.04	0.00
137	STL ENV_STR(all)		235	-137.52	2487.72	-9.23	-15.24	8.60	0.00
138	STL ENV_STR(all)		136	231.09	-688.13	1.63	11.65	-1.21	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
138	STL ENV_STR(all)		668	248.06	-1956.96	3.85	14.61	0.33	0.00
138	STL ENV_STR(all)		669	-180.06	710.98	-1.91	-14.02	0.92	0.00
138	STL ENV_STR(all)		246	-299.09	1934.11	-3.30	-15.28	-2.36	0.00
139	STL ENV_STR(all)		147	123.77	-1072.80	3.04	17.04	-0.09	0.00
139	STL ENV_STR(all)		670	83.02	-1622.17	3.52	12.98	-1.75	0.00
139	STL ENV_STR(all)		671	-70.58	1084.41	-2.78	-14.99	0.60	0.00
139	STL ENV_STR(all)		279	-136.21	1610.56	-3.52	-11.72	-0.18	0.00
140	STL ENV_STR(all)		139	166.00	-255.33	1.32	6.24	-1.99	0.00
140	STL ENV_STR(all)		672	180.90	-1176.26	2.55	6.72	1.00	0.00
140	STL ENV_STR(all)		673	-127.49	274.26	-1.21	-4.93	1.40	0.00
140	STL ENV_STR(all)		255	-219.41	1157.34	-2.39	-5.33	-2.61	0.00
141	STL ENV_STR(all)		149	89.05	-538.15	1.68	7.01	-0.46	0.00
141	STL ENV_STR(all)		674	59.69	-934.27	2.23	5.46	-0.46	0.00
141	STL ENV_STR(all)		675	-50.36	547.52	-1.53	-5.80	0.61	0.00
141	STL ENV_STR(all)		285	-98.38	924.90	-2.11	-4.31	-0.51	0.00
142	STL ENV_STR(all)		142	99.02	11.55	0.57	-0.16	-1.71	0.00
142	STL ENV_STR(all)		676	126.34	-593.25	1.22	0.27	0.93	0.00
142	STL ENV_STR(all)		677	-73.79	7.29	-0.48	1.10	1.13	0.00
142	STL ENV_STR(all)		264	-151.58	574.42	-1.05	0.67	-2.25	0.00
143	STL ENV_STR(all)		151	56.26	-181.06	0.77	0.22	-0.36	0.00
143	STL ENV_STR(all)		678	40.27	-441.42	1.06	-0.60	-0.29	0.00
143	STL ENV_STR(all)		679	-31.10	190.45	-0.64	0.58	0.35	0.00
143	STL ENV_STR(all)		291	-65.43	432.03	-0.93	1.37	-0.45	0.00
144	STL ENV_STR(all)		145	29.12	95.92	0.27	-4.16	-0.77	0.00
144	STL ENV_STR(all)		680	72.03	-187.45	0.33	-3.50	0.32	0.00
144	STL ENV_STR(all)		681	-18.25	-75.55	-0.09	4.99	0.00	0.00
144	STL ENV_STR(all)		273	-82.91	167.07	-0.24	4.31	-0.80	0.00
145	STL ENV_STR(all)		153	22.64	-6.60	0.24	-4.43	0.26	0.00
145	STL ENV_STR(all)		682	20.58	-129.17	0.39	-3.77	-0.15	0.00
145	STL ENV_STR(all)		683	-11.60	16.82	-0.08	5.08	-0.25	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
145	STL ENV_STR(all)		297	-31.61	118.96	-0.28	4.27	-0.07	0.00
164	STL ENV_STR(all)		156	2071.24	283.42	0.02	2.15	-0.24	0.00
164	STL ENV_STR(all)		192	1133.94	-926.86	0.20	1.79	0.19	0.00
164	STL ENV_STR(all)		1362	-1868.68	-304.80	-0.09	-1.76	0.56	0.00
164	STL ENV_STR(all)		1361	-1336.50	948.41	-0.13	-1.63	0.14	0.00
165	STL ENV_STR(all)		159	1426.19	151.60	-0.01	1.14	-0.12	0.00
165	STL ENV_STR(all)		201	976.21	-759.15	0.12	0.93	0.10	0.00
165	STL ENV_STR(all)		1364	-1315.59	-164.52	-0.03	-0.97	0.36	0.00
165	STL ENV_STR(all)		1363	-1086.82	772.26	-0.08	-0.85	0.15	0.00
166	STL ENV_STR(all)		162	841.74	-2.63	-0.01	0.76	-0.07	0.00
166	STL ENV_STR(all)		210	727.73	-598.94	0.09	0.64	0.08	0.00
166	STL ENV_STR(all)		1366	-799.69	-4.98	-0.02	-0.67	0.27	0.00
166	STL ENV_STR(all)		1365	-769.79	606.73	-0.06	-0.57	0.12	0.00
167	STL ENV_STR(all)		165	345.46	-158.71	0.01	0.85	-0.06	0.00
167	STL ENV_STR(all)		219	416.71	-457.81	0.11	0.81	0.13	0.00
167	STL ENV_STR(all)		1368	-345.42	164.05	-0.05	-0.74	0.25	0.00
167	STL ENV_STR(all)		1367	-416.75	452.65	-0.08	-0.64	0.08	0.00
168	STL ENV_STR(all)		121	2029.16	834.41	0.25	1.39	-0.32	0.00
168	STL ENV_STR(all)		303	2297.97	-927.55	0.24	1.26	-0.05	0.00
168	STL ENV_STR(all)		1370	-1656.61	-737.87	-0.24	-0.77	0.25	0.00
168	STL ENV_STR(all)		1369	-2670.52	831.19	-0.25	-0.63	0.00	0.00
169	STL ENV_STR(all)		178	1492.24	485.39	0.12	0.92	-0.20	0.00
169	STL ENV_STR(all)		306	1857.58	-807.03	0.12	0.80	-0.06	0.00
169	STL ENV_STR(all)		1372	-1280.12	-482.74	-0.11	-0.60	0.18	0.00
169	STL ENV_STR(all)		1371	-2069.70	804.56	-0.13	-0.53	0.03	0.00
170	STL ENV_STR(all)		179	1111.58	339.35	0.05	0.58	-0.18	0.00
170	STL ENV_STR(all)		309	1348.90	-615.21	0.06	0.47	-0.09	0.00
170	STL ENV_STR(all)		1374	-999.60	-332.06	-0.05	-0.42	0.16	0.00
170	STL ENV_STR(all)		1373	-1460.88	608.09	-0.06	-0.34	0.07	0.00
171	STL ENV_STR(all)		180	736.59	175.46	0.03	0.41	-0.16	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
171	STL ENV_STR(all)		312	865.61	-446.76	0.05	0.30	-0.10	0.00
171	STL ENV_STR(all)		1376	-693.14	-170.02	-0.03	-0.30	0.16	0.00
171	STL ENV_STR(all)		1375	-909.06	441.49	-0.05	-0.21	0.09	0.00
172	STL ENV_STR(all)		181	343.24	1.34	0.05	0.35	-0.17	0.00
172	STL ENV_STR(all)		315	396.15	-290.73	0.06	0.24	-0.12	0.00
172	STL ENV_STR(all)		1378	-337.95	6.04	-0.05	-0.21	0.17	0.00
172	STL ENV_STR(all)		1377	-401.44	283.52	-0.06	-0.11	0.11	0.00
203	STL ENV_STR(all)		228	-11.26	-2075.94	9.49	20.10	4.69	0.00
203	STL ENV_STR(all)		631	-71.94	-1849.42	2.41	35.54	-2.66	0.00
203	STL ENV_STR(all)		684	74.74	2065.91	-6.03	-9.76	-7.36	0.00
203	STL ENV_STR(all)		230	8.46	1859.46	-5.60	-21.33	-2.95	0.00
204	STL ENV_STR(all)		230	-8.46	-1859.46	5.60	21.33	2.95	0.00
204	STL ENV_STR(all)		684	-73.12	-1636.79	4.57	27.42	0.67	0.00
204	STL ENV_STR(all)		685	72.60	1849.01	-4.65	-13.07	-1.13	0.00
204	STL ENV_STR(all)		232	8.97	1647.23	-5.26	-18.10	-1.89	0.00
205	STL ENV_STR(all)		232	-8.97	-1647.23	5.26	18.10	1.89	0.00
205	STL ENV_STR(all)		685	-66.72	-1441.97	3.89	22.01	0.42	0.00
205	STL ENV_STR(all)		651	67.67	1638.86	-4.43	-10.28	-1.44	0.00
205	STL ENV_STR(all)		134	8.01	1450.34	-4.45	-14.44	-1.49	0.00
206	STL ENV_STR(all)		234	347.69	-1108.27	26.87	66.76	-23.09	0.00
206	STL ENV_STR(all)		637	264.34	-2736.36	-3.71	49.33	-15.59	0.00
206	STL ENV_STR(all)		686	-255.72	1144.73	-11.34	-12.39	1.06	0.00
206	STL ENV_STR(all)		236	-356.30	2699.90	-11.55	-4.62	-8.39	0.00
207	STL ENV_STR(all)		236	277.80	-956.97	-6.51	3.24	13.16	0.00
207	STL ENV_STR(all)		686	285.04	-2448.35	8.90	13.60	0.61	0.00
207	STL ENV_STR(all)		687	-213.56	984.73	1.22	-22.25	-2.73	0.00
207	STL ENV_STR(all)		238	-349.27	2420.59	-3.35	-26.30	6.25	0.00
208	STL ENV_STR(all)		238	250.40	-816.34	5.00	25.14	-1.93	0.00
208	STL ENV_STR(all)		687	268.81	-2192.73	4.16	19.18	-2.36	0.00
208	STL ENV_STR(all)		668	-194.50	842.59	-3.61	-15.05	0.77	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
208	STL ENV_STR(all)		136	-324.70	2166.48	-5.28	-12.65	-2.69	0.00
209	STL ENV_STR(all)		229	-170.47	-2506.19	8.81	17.27	10.93	0.00
209	STL ENV_STR(all)		650	-255.53	-1382.17	0.44	41.39	-14.81	0.00
209	STL ENV_STR(all)		688	250.40	2490.09	-4.35	-19.52	-3.14	0.00
209	STL ENV_STR(all)		231	175.61	1398.28	-4.63	-31.00	2.50	0.00
210	STL ENV_STR(all)		231	-184.01	-2260.84	2.40	22.83	6.18	0.00
210	STL ENV_STR(all)		688	-220.83	-1184.03	6.71	21.12	3.60	0.00
210	STL ENV_STR(all)		689	250.87	2236.86	-5.59	-14.49	-2.32	0.00
210	STL ENV_STR(all)		233	153.97	1208.00	-3.25	-17.99	0.52	0.00
211	STL ENV_STR(all)		233	-177.96	-2018.74	6.29	12.35	0.81	0.00
211	STL ENV_STR(all)		689	-195.42	-1026.72	0.16	19.92	-3.63	0.00
211	STL ENV_STR(all)		653	234.62	1997.71	-4.05	-14.34	-1.55	0.00
211	STL ENV_STR(all)		135	138.76	1047.74	-2.13	-19.35	-0.48	0.00
212	STL ENV_STR(all)		240	-7.30	-1270.12	3.81	12.94	1.22	0.00
212	STL ENV_STR(all)		652	-56.45	-1098.43	3.16	15.52	0.57	0.00
212	STL ENV_STR(all)		690	57.04	1264.26	-3.26	-7.95	-0.40	0.00
212	STL ENV_STR(all)		242	6.71	1104.29	-3.44	-10.51	-1.06	0.00
213	STL ENV_STR(all)		242	-6.71	-1104.29	3.44	10.51	1.06	0.00
213	STL ENV_STR(all)		690	-52.10	-945.80	2.68	12.92	0.41	0.00
213	STL ENV_STR(all)		691	52.63	1098.77	-2.83	-6.24	-0.34	0.00
213	STL ENV_STR(all)		244	6.18	951.31	-3.01	-8.53	-0.99	0.00
214	STL ENV_STR(all)		244	-6.18	-951.31	3.01	8.53	0.99	0.00
214	STL ENV_STR(all)		691	-47.99	-805.10	2.43	10.67	0.46	0.00
214	STL ENV_STR(all)		655	48.49	945.99	-2.50	-4.39	-0.25	0.00
214	STL ENV_STR(all)		137	5.68	810.42	-2.67	-6.50	-0.92	0.00
215	STL ENV_STR(all)		241	-150.16	-1589.21	3.84	10.91	0.17	0.00
215	STL ENV_STR(all)		654	-167.63	-746.04	1.85	13.93	0.78	0.00
215	STL ENV_STR(all)		692	198.92	1572.43	-3.28	-10.01	0.95	0.00
215	STL ENV_STR(all)		243	118.88	762.81	-2.15	-12.57	-1.18	0.00
216	STL ENV_STR(all)		243	-138.54	-1398.96	3.01	9.73	0.53	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
216	STL ENV_STR(all)		692	-155.02	-619.87	2.32	11.79	1.66	0.00
216	STL ENV_STR(all)		693	183.94	1383.22	-3.00	-7.67	1.27	0.00
216	STL ENV_STR(all)		245	109.61	635.61	-2.06	-9.81	-1.18	0.00
217	STL ENV_STR(all)		245	-128.13	-1222.51	2.85	7.35	0.14	0.00
217	STL ENV_STR(all)		693	-142.44	-503.80	1.70	9.45	1.29	0.00
217	STL ENV_STR(all)		657	170.14	1207.36	-2.61	-5.87	1.15	0.00
217	STL ENV_STR(all)		138	100.43	518.95	-1.67	-7.89	-1.17	0.00
218	STL ENV_STR(all)		249	-5.20	-681.18	2.32	4.65	0.86	0.00
218	STL ENV_STR(all)		656	-40.10	-558.29	1.79	6.53	0.39	0.00
218	STL ENV_STR(all)		694	40.58	676.07	-1.85	-1.09	-0.23	0.00
218	STL ENV_STR(all)		251	4.72	563.40	-2.00	-2.93	-0.79	0.00
219	STL ENV_STR(all)		251	-4.72	-563.40	2.00	2.93	0.79	0.00
219	STL ENV_STR(all)		694	-36.22	-451.90	1.51	4.69	0.36	0.00
219	STL ENV_STR(all)		695	36.69	558.35	-1.55	0.34	-0.23	0.00
219	STL ENV_STR(all)		253	4.24	456.95	-1.70	-1.37	-0.73	0.00
220	STL ENV_STR(all)		253	-4.24	-456.95	1.70	1.37	0.73	0.00
220	STL ENV_STR(all)		695	-32.35	-356.78	1.26	3.00	0.34	0.00
220	STL ENV_STR(all)		659	32.83	451.94	-1.27	1.61	-0.21	0.00
220	STL ENV_STR(all)		140	3.77	361.79	-1.42	0.02	-0.67	0.00
221	STL ENV_STR(all)		250	-108.88	-906.81	2.12	3.69	0.17	0.00
221	STL ENV_STR(all)		658	-117.46	-303.66	1.25	5.52	1.22	0.00
221	STL ENV_STR(all)		696	144.16	892.19	-1.93	-2.32	1.02	0.00
221	STL ENV_STR(all)		252	82.17	318.28	-1.17	-4.12	-1.03	0.00
222	STL ENV_STR(all)		252	-99.60	-766.52	1.78	2.06	0.18	0.00
222	STL ENV_STR(all)		696	-104.99	-220.04	1.05	3.79	1.20	0.00
222	STL ENV_STR(all)		697	131.53	752.00	-1.61	-0.78	0.97	0.00
222	STL ENV_STR(all)		254	73.06	234.55	-0.96	-2.48	-0.96	0.00
223	STL ENV_STR(all)		254	-90.42	-637.60	1.47	0.55	0.14	0.00
223	STL ENV_STR(all)		697	-92.49	-147.55	0.85	2.19	1.15	0.00
223	STL ENV_STR(all)		661	118.99	623.14	-1.29	0.58	0.93	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
223	STL ENV_STR(all)		141	63.92	162.01	-0.76	-1.03	-0.90	0.00
224	STL ENV_STR(all)		258	-3.29	-277.93	1.17	-1.26	0.60	0.00
224	STL ENV_STR(all)		660	-24.59	-200.47	0.82	0.08	0.28	0.00
224	STL ENV_STR(all)		698	25.08	272.96	-0.79	3.64	-0.19	0.00
224	STL ENV_STR(all)		260	2.80	205.44	-0.93	2.36	-0.52	0.00
225	STL ENV_STR(all)		260	-2.80	-205.44	0.93	-2.36	0.52	0.00
225	STL ENV_STR(all)		698	-20.62	-139.50	0.64	-1.23	0.21	0.00
225	STL ENV_STR(all)		699	21.13	200.41	-0.60	4.39	-0.18	0.00
225	STL ENV_STR(all)		262	2.30	144.52	-0.71	3.34	-0.43	0.00
226	STL ENV_STR(all)		262	-2.30	-144.52	0.71	-3.34	0.43	0.00
226	STL ENV_STR(all)		699	-16.57	-90.23	0.47	-2.53	0.06	0.00
226	STL ENV_STR(all)		663	17.08	139.29	-0.43	4.91	-0.17	0.00
226	STL ENV_STR(all)		143	1.78	95.47	-0.48	4.23	-0.28	0.00
227	STL ENV_STR(all)		259	-72.19	-413.44	0.91	-1.93	0.10	0.00
227	STL ENV_STR(all)		662	-67.24	-36.39	0.55	-0.53	1.11	0.00
227	STL ENV_STR(all)		700	94.07	398.93	-0.73	2.81	0.88	0.00
227	STL ENV_STR(all)		261	45.36	50.90	-0.46	1.44	-0.75	0.00
228	STL ENV_STR(all)		261	-63.10	-317.97	0.66	-2.89	0.12	0.00
228	STL ENV_STR(all)		700	-54.29	1.96	0.45	-1.68	1.02	0.00
228	STL ENV_STR(all)		701	81.63	303.28	-0.49	3.67	0.79	0.00
228	STL ENV_STR(all)		263	35.76	12.73	-0.36	2.53	-0.58	0.00
229	STL ENV_STR(all)		263	-53.86	-233.46	0.47	-3.64	0.22	0.00
229	STL ENV_STR(all)		701	-41.10	28.48	0.38	-2.76	0.73	0.00
229	STL ENV_STR(all)		665	68.85	218.42	-0.31	4.38	0.52	0.00
229	STL ENV_STR(all)		144	26.11	-13.44	-0.27	3.61	-0.23	0.00
230	STL ENV_STR(all)		267	-1.35	-58.09	0.20	-4.83	0.08	0.00
230	STL ENV_STR(all)		664	-9.40	-25.24	0.05	-4.70	-0.10	0.00
230	STL ENV_STR(all)		702	9.38	53.18	-0.03	4.61	-0.18	0.00
230	STL ENV_STR(all)		269	1.37	30.15	0.04	4.46	0.09	0.00
231	STL ENV_STR(all)		269	-1.37	-30.15	-0.04	-4.46	-0.09	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
231	STL ENV_STR(all)		702	-7.00	-6.58	-0.10	-3.95	0.45	0.00
231	STL ENV_STR(all)		703	7.57	28.34	0.25	3.40	-0.31	0.00
231	STL ENV_STR(all)		271	0.81	8.38	0.17	2.64	0.10	0.00
232	STL ENV_STR(all)		271	-0.81	-8.38	-0.17	-2.64	-0.10	0.00
232	STL ENV_STR(all)		703	-2.42	0.02	-0.06	-1.32	1.11	0.00
232	STL ENV_STR(all)		704	3.22	8.36	0.49	1.51	-0.21	0.00
232	STL ENV_STR(all)		35	-0.00	0.00	-0.00	0.00	-0.00	0.00
233	STL ENV_STR(all)		268	-33.10	-100.59	0.37	-4.73	0.34	0.00
233	STL ENV_STR(all)		666	-17.48	45.45	-0.07	-4.60	-0.48	0.00
233	STL ENV_STR(all)		705	38.97	86.04	-0.30	4.89	-0.57	0.00
233	STL ENV_STR(all)		270	11.61	-30.91	0.27	4.70	0.20	0.00
234	STL ENV_STR(all)		270	-23.52	-57.04	0.17	-5.35	-0.61	0.00
234	STL ENV_STR(all)		705	-8.86	37.63	-0.60	-4.38	0.42	0.00
234	STL ENV_STR(all)		706	27.16	46.57	-0.06	3.62	0.13	0.00
234	STL ENV_STR(all)		272	5.22	-27.16	0.76	2.18	-1.44	0.00
235	STL ENV_STR(all)		272	-21.75	-24.89	-1.00	-4.79	-0.87	0.00
235	STL ENV_STR(all)		706	6.04	20.87	0.23	-1.33	4.29	0.00
235	STL ENV_STR(all)		707	29.31	19.97	2.34	2.33	3.76	0.00
235	STL ENV_STR(all)		146	-13.60	-15.95	-1.31	-2.15	-0.84	0.00
236	STL ENV_STR(all)		235	163.02	-1622.73	-3.50	30.59	9.76	0.00
236	STL ENV_STR(all)		667	86.59	-2279.38	9.26	9.57	-2.43	0.00
236	STL ENV_STR(all)		708	-92.12	1630.25	-1.35	-34.58	0.28	0.00
236	STL ENV_STR(all)		237	-157.48	2271.86	-4.15	-20.41	8.54	0.00
237	STL ENV_STR(all)		237	149.21	-1411.26	6.47	25.79	-0.66	0.00
237	STL ENV_STR(all)		708	93.72	-2058.24	2.70	20.36	-6.61	0.00
237	STL ENV_STR(all)		709	-84.43	1426.48	-4.09	-20.03	0.08	0.00
237	STL ENV_STR(all)		239	-158.50	2043.02	-4.81	-14.68	0.08	0.00
238	STL ENV_STR(all)		239	134.60	-1233.98	1.83	17.98	0.69	0.00
238	STL ENV_STR(all)		709	90.29	-1832.54	4.78	13.97	-0.53	0.00
238	STL ENV_STR(all)		670	-76.64	1247.71	-2.35	-18.52	0.80	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
238	STL ENV_STR(all)		147	-148.26	1818.82	-3.99	-14.26	1.62	0.00
239	STL ENV_STR(all)		246	215.11	-566.47	2.41	14.39	-2.40	0.00
239	STL ENV_STR(all)		669	228.08	-1739.93	3.81	13.26	1.09	0.00
239	STL ENV_STR(all)		710	-167.09	587.50	-2.22	-10.92	1.82	0.00
239	STL ENV_STR(all)		247	-276.10	1718.90	-3.73	-10.66	-3.30	0.00
240	STL ENV_STR(all)		247	198.90	-453.21	1.82	9.84	-2.35	0.00
240	STL ENV_STR(all)		710	210.88	-1538.58	3.17	10.81	1.05	0.00
240	STL ENV_STR(all)		711	-153.97	473.04	-1.71	-8.96	1.56	0.00
240	STL ENV_STR(all)		248	-255.81	1518.76	-3.01	-9.53	-2.99	0.00
241	STL ENV_STR(all)		248	182.55	-349.17	1.61	8.75	-2.13	0.00
241	STL ENV_STR(all)		711	195.38	-1351.11	3.00	8.77	1.17	0.00
241	STL ENV_STR(all)		672	-140.78	368.41	-1.50	-6.78	1.59	0.00
241	STL ENV_STR(all)		139	-237.15	1331.87	-2.84	-6.99	-2.84	0.00
242	STL ENV_STR(all)		279	114.57	-922.76	2.55	13.26	-0.65	0.00
242	STL ENV_STR(all)		671	76.09	-1428.96	3.16	11.35	-0.76	0.00
242	STL ENV_STR(all)		712	-65.24	933.18	-2.36	-12.27	0.69	0.00
242	STL ENV_STR(all)		280	-125.41	1418.54	-3.09	-10.20	-0.37	0.00
243	STL ENV_STR(all)		280	105.80	-783.57	2.25	11.41	-0.46	0.00
243	STL ENV_STR(all)		712	70.17	-1250.96	2.92	9.31	-0.60	0.00
243	STL ENV_STR(all)		713	-60.15	793.37	-2.11	-9.94	0.72	0.00
243	STL ENV_STR(all)		281	-115.82	1241.16	-2.79	-8.04	-0.56	0.00
244	STL ENV_STR(all)		281	97.35	-655.32	2.00	8.97	-0.59	0.00
244	STL ENV_STR(all)		713	64.78	-1086.42	2.50	7.40	-0.54	0.00
244	STL ENV_STR(all)		674	-55.22	664.83	-1.81	-7.76	0.65	0.00
244	STL ENV_STR(all)		149	-106.92	1076.92	-2.42	-6.16	-0.55	0.00
245	STL ENV_STR(all)		255	149.37	-172.10	1.09	4.59	-1.84	0.00
245	STL ENV_STR(all)		673	166.94	-1013.35	2.24	4.88	0.98	0.00
245	STL ENV_STR(all)		714	-114.16	190.89	-0.99	-3.16	1.33	0.00
245	STL ENV_STR(all)		256	-202.16	994.56	-2.07	-3.50	-2.47	0.00
246	STL ENV_STR(all)		256	132.67	-99.77	0.88	2.76	-1.77	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
246	STL ENV_STR(all)		714	153.28	-862.01	1.87	3.17	0.92	0.00
246	STL ENV_STR(all)		715	-100.78	118.52	-0.78	-1.58	1.23	0.00
246	STL ENV_STR(all)		257	-185.16	843.26	-1.70	-1.98	-2.35	0.00
247	STL ENV_STR(all)		257	115.90	-38.51	0.71	1.25	-1.72	0.00
247	STL ENV_STR(all)		715	139.76	-722.02	1.54	1.64	0.92	0.00
247	STL ENV_STR(all)		676	-87.34	57.28	-0.61	-0.15	1.17	0.00
247	STL ENV_STR(all)		142	-168.32	703.25	-1.37	-0.56	-2.28	0.00
248	STL ENV_STR(all)		285	80.83	-432.10	1.43	5.04	-0.45	0.00
248	STL ENV_STR(all)		675	54.75	-793.93	1.89	3.72	-0.44	0.00
248	STL ENV_STR(all)		716	-45.54	441.41	-1.27	-3.96	0.53	0.00
248	STL ENV_STR(all)		286	-90.04	784.61	-1.78	-2.65	-0.48	0.00
249	STL ENV_STR(all)		286	72.64	-337.20	1.18	3.29	-0.40	0.00
249	STL ENV_STR(all)		716	49.89	-665.11	1.60	2.10	-0.39	0.00
249	STL ENV_STR(all)		717	-40.73	346.51	-1.03	-2.29	0.48	0.00
249	STL ENV_STR(all)		287	-81.80	655.79	-1.48	-1.15	-0.46	0.00
250	STL ENV_STR(all)		287	64.46	-253.50	0.96	1.67	-0.38	0.00
250	STL ENV_STR(all)		717	45.07	-547.63	1.31	0.67	-0.35	0.00
250	STL ENV_STR(all)		678	-35.93	262.84	-0.82	-0.78	0.41	0.00
250	STL ENV_STR(all)		151	-73.60	538.29	-1.19	0.19	-0.45	0.00
251	STL ENV_STR(all)		264	81.96	50.30	0.46	-1.38	-1.73	0.00
251	STL ENV_STR(all)		677	113.01	-475.58	0.92	-0.93	0.95	0.00
251	STL ENV_STR(all)		718	-60.01	-31.34	-0.38	2.21	1.09	0.00
251	STL ENV_STR(all)		265	-134.95	456.61	-0.74	1.75	-2.23	0.00
252	STL ENV_STR(all)		265	64.55	77.58	0.40	-2.44	-1.73	0.00
252	STL ENV_STR(all)		718	99.74	-368.81	0.64	-1.95	0.92	0.00
252	STL ENV_STR(all)		719	-45.88	-58.35	-0.32	3.19	0.96	0.00
252	STL ENV_STR(all)		266	-118.41	349.59	-0.46	2.69	-2.17	0.00
253	STL ENV_STR(all)		266	46.75	93.04	0.37	-3.35	-1.52	0.00
253	STL ENV_STR(all)		719	86.36	-272.73	0.42	-2.79	0.75	0.00
253	STL ENV_STR(all)		680	-31.53	-73.34	-0.27	4.15	0.62	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
253	STL ENV_STR(all)		145	-101.57	253.03	-0.26	3.55	-1.80	0.00
254	STL ENV_STR(all)		291	47.97	-119.99	0.62	-1.07	-0.34	0.00
254	STL ENV_STR(all)		679	35.47	-346.42	0.82	-1.70	-0.25	0.00
254	STL ENV_STR(all)		720	-26.19	129.47	-0.49	1.80	0.27	0.00
254	STL ENV_STR(all)		292	-57.25	336.93	-0.69	2.38	-0.45	0.00
255	STL ENV_STR(all)		292	39.53	-70.46	0.49	-2.25	-0.26	0.00
255	STL ENV_STR(all)		720	30.64	-262.59	0.62	-2.60	-0.21	0.00
255	STL ENV_STR(all)		721	-21.16	80.15	-0.36	2.95	0.15	0.00
255	STL ENV_STR(all)		293	-49.01	252.90	-0.49	3.23	-0.41	0.00
256	STL ENV_STR(all)		293	30.93	-32.71	0.38	-3.36	-0.07	0.00
256	STL ENV_STR(all)		721	25.71	-190.01	0.47	-3.29	-0.20	0.00
256	STL ENV_STR(all)		682	-16.09	42.73	-0.26	4.09	-0.07	0.00
256	STL ENV_STR(all)		153	-40.56	180.00	-0.33	3.88	-0.31	0.00
257	STL ENV_STR(all)		273	13.23	84.85	-0.08	-4.84	0.49	0.00
257	STL ENV_STR(all)		681	55.63	-114.57	0.43	-4.16	-0.13	0.00
257	STL ENV_STR(all)		722	-7.84	-64.45	0.35	5.29	-0.46	0.00
257	STL ENV_STR(all)		274	-61.01	94.18	-0.43	4.63	0.68	0.00
258	STL ENV_STR(all)		274	1.12	60.04	-0.97	-5.06	0.61	0.00
258	STL ENV_STR(all)		722	37.89	-58.82	0.50	-4.96	0.94	0.00
258	STL ENV_STR(all)		723	-1.66	-42.59	1.34	2.96	1.75	0.00
258	STL ENV_STR(all)		275	-37.35	41.37	-0.61	3.17	0.40	0.00
259	STL ENV_STR(all)		275	-17.58	27.26	0.16	-3.51	-6.90	0.00
259	STL ENV_STR(all)		723	34.69	-24.60	-1.63	-4.62	3.56	0.00
259	STL ENV_STR(all)		724	29.22	-19.90	-2.34	-2.06	4.33	0.00
259	STL ENV_STR(all)		14	-46.33	17.24	4.08	-0.19	-11.52	0.00
260	STL ENV_STR(all)		297	15.97	8.92	-0.01	-5.10	0.30	0.00
260	STL ENV_STR(all)		683	15.22	-81.29	0.27	-4.26	0.08	0.00
260	STL ENV_STR(all)		725	-9.02	0.22	0.12	4.90	-0.14	0.00
260	STL ENV_STR(all)		298	-22.16	72.15	-0.11	4.19	-0.08	0.00
261	STL ENV_STR(all)		298	10.28	15.47	-0.28	-4.30	-0.75	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
261	STL ENV_STR(all)		725	11.38	-46.63	-0.04	-4.66	0.59	0.00
261	STL ENV_STR(all)		726	-4.62	-9.69	0.40	2.33	0.72	0.00
261	STL ENV_STR(all)		299	-17.04	40.85	0.19	3.24	-0.31	0.00
262	STL ENV_STR(all)		299	0.61	11.00	0.15	-1.17	-2.56	0.00
262	STL ENV_STR(all)		726	9.74	-18.57	-0.67	-3.85	0.33	0.00
262	STL ENV_STR(all)		727	3.22	-8.34	-0.52	-1.32	-0.03	0.00
262	STL ENV_STR(all)		155	-13.56	15.91	1.31	1.94	-1.21	0.00
263	STL ENV_STR(all)		183	2505.91	361.22	0.09	3.54	-0.34	0.00
263	STL ENV_STR(all)		185	1060.41	-989.77	0.32	3.08	0.35	0.00
263	STL ENV_STR(all)		1379	-2249.04	-380.00	-0.18	-2.86	0.78	0.00
263	STL ENV_STR(all)		1345	-1317.28	1008.73	-0.23	-2.73	0.08	0.00
264	STL ENV_STR(all)		185	2376.55	329.35	0.08	3.04	-0.35	0.00
264	STL ENV_STR(all)		187	1120.07	-991.81	0.26	2.59	0.26	0.00
264	STL ENV_STR(all)		1380	-2132.17	-351.46	-0.15	-2.46	0.69	0.00
264	STL ENV_STR(all)		1379	-1364.45	1014.10	-0.20	-2.32	0.10	0.00
265	STL ENV_STR(all)		187	2229.36	305.33	0.04	2.55	-0.26	0.00
265	STL ENV_STR(all)		156	1140.88	-965.26	0.24	2.15	0.24	0.00
265	STL ENV_STR(all)		1361	-2004.33	-329.66	-0.11	-2.08	0.63	0.00
265	STL ENV_STR(all)		1380	-1365.91	989.77	-0.16	-1.95	0.14	0.00
266	STL ENV_STR(all)		192	1907.62	255.50	0.00	1.81	-0.19	0.00
266	STL ENV_STR(all)		194	1108.29	-884.69	0.18	1.50	0.17	0.00
266	STL ENV_STR(all)		1381	-1729.08	-274.38	-0.06	-1.50	0.50	0.00
266	STL ENV_STR(all)		1362	-1286.84	903.76	-0.11	-1.37	0.15	0.00
267	STL ENV_STR(all)		194	1744.24	223.57	-0.00	1.53	-0.17	0.00
267	STL ENV_STR(all)		196	1071.34	-842.24	0.15	1.26	0.14	0.00
267	STL ENV_STR(all)		1382	-1589.50	-239.98	-0.05	-1.28	0.45	0.00
267	STL ENV_STR(all)		1381	-1226.08	858.83	-0.10	-1.16	0.15	0.00
268	STL ENV_STR(all)		196	1583.34	188.45	-0.01	1.31	-0.14	0.00
268	STL ENV_STR(all)		159	1026.67	-800.33	0.14	1.07	0.12	0.00
268	STL ENV_STR(all)		1363	-1451.39	-203.02	-0.04	-1.11	0.40	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
268	STL ENV_STR(all)		1382	-1158.62	815.08	-0.09	-0.99	0.15	0.00
269	STL ENV_STR(all)		201	1273.19	113.62	-0.02	1.00	-0.10	0.00
269	STL ENV_STR(all)		203	920.74	-718.47	0.11	0.81	0.09	0.00
269	STL ENV_STR(all)		1383	-1182.31	-125.19	-0.02	-0.85	0.33	0.00
269	STL ENV_STR(all)		1364	-1011.62	730.22	-0.07	-0.74	0.14	0.00
270	STL ENV_STR(all)		203	1124.67	75.10	-0.02	0.89	-0.09	0.00
270	STL ENV_STR(all)		205	860.76	-678.31	0.10	0.73	0.09	0.00
270	STL ENV_STR(all)		1384	-1051.82	-85.32	-0.02	-0.77	0.30	0.00
270	STL ENV_STR(all)		1383	-933.61	688.71	-0.06	-0.66	0.13	0.00
271	STL ENV_STR(all)		205	980.71	36.25	-0.01	0.81	-0.09	0.00
271	STL ENV_STR(all)		162	796.27	-638.21	0.09	0.67	0.07	0.00
271	STL ENV_STR(all)		1365	-924.11	-45.39	-0.02	-0.71	0.28	0.00
271	STL ENV_STR(all)		1384	-852.87	647.54	-0.06	-0.60	0.12	0.00
272	STL ENV_STR(all)		210	707.58	-41.68	-0.00	0.74	-0.08	0.00
272	STL ENV_STR(all)		212	654.44	-558.92	0.08	0.63	0.06	0.00
272	STL ENV_STR(all)		1385	-678.16	34.68	-0.02	-0.65	0.25	0.00
272	STL ENV_STR(all)		1366	-683.86	566.10	-0.06	-0.55	0.10	0.00
273	STL ENV_STR(all)		212	579.76	-80.43	-0.00	0.74	-0.06	0.00
273	STL ENV_STR(all)		214	578.14	-522.24	0.09	0.66	0.09	0.00
273	STL ENV_STR(all)		1386	-561.50	76.40	-0.03	-0.66	0.25	0.00
273	STL ENV_STR(all)		1385	-596.41	526.44	-0.06	-0.56	0.10	0.00
274	STL ENV_STR(all)		214	456.86	-119.86	0.01	0.77	-0.09	0.00
274	STL ENV_STR(all)		165	495.63	-480.93	0.08	0.70	0.06	0.00
274	STL ENV_STR(all)		1367	-447.40	114.03	-0.03	-0.69	0.22	0.00
274	STL ENV_STR(all)		1386	-505.09	486.94	-0.06	-0.58	0.07	0.00
275	STL ENV_STR(all)		219	236.25	-196.83	0.05	0.94	-0.13	0.00
275	STL ENV_STR(all)		221	322.06	-393.38	0.07	0.89	0.05	0.00
275	STL ENV_STR(all)		1387	-238.25	178.02	-0.04	-0.85	0.21	0.00
275	STL ENV_STR(all)		1368	-320.06	412.37	-0.07	-0.72	0.02	0.00
276	STL ENV_STR(all)		221	168.38	-256.66	0.03	1.12	-0.05	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
276	STL ENV_STR(all)		223	303.37	-530.34	0.20	1.18	0.21	0.00
276	STL ENV_STR(all)		1388	-207.63	348.08	-0.11	-0.93	0.33	0.00
276	STL ENV_STR(all)		1387	-264.12	439.10	-0.12	-0.85	0.07	0.00
277	STL ENV_STR(all)		223	-40.51	-308.79	0.15	1.27	-0.21	0.00
277	STL ENV_STR(all)		7	54.88	-86.78	0.08	1.17	-0.00	0.00
277	STL ENV_STR(all)		1389	-3.84	80.89	-0.11	-1.00	0.09	0.00
277	STL ENV_STR(all)		1388	-10.52	314.86	-0.12	-0.89	-0.09	0.00
278	STL ENV_STR(all)		303	1867.12	595.41	0.21	1.28	-0.24	0.00
278	STL ENV_STR(all)		304	2198.06	-985.03	0.22	1.15	-0.03	0.00
278	STL ENV_STR(all)		1390	-1553.07	-579.92	-0.20	-0.70	0.21	0.00
278	STL ENV_STR(all)		1370	-2512.11	969.72	-0.23	-0.64	0.01	0.00
279	STL ENV_STR(all)		304	1734.23	528.88	0.18	1.15	-0.21	0.00
279	STL ENV_STR(all)		305	2106.89	-939.33	0.18	1.02	-0.03	0.00
279	STL ENV_STR(all)		1391	-1454.47	-539.53	-0.16	-0.68	0.19	0.00
279	STL ENV_STR(all)		1390	-2386.65	950.16	-0.20	-0.60	0.00	0.00
280	STL ENV_STR(all)		305	1604.72	511.09	0.14	1.03	-0.22	0.00
280	STL ENV_STR(all)		178	1986.46	-869.04	0.15	0.91	-0.05	0.00
280	STL ENV_STR(all)		1371	-1360.00	-513.65	-0.13	-0.64	0.18	0.00
280	STL ENV_STR(all)		1391	-2231.17	871.78	-0.15	-0.57	0.02	0.00
281	STL ENV_STR(all)		306	1391.38	453.43	0.09	0.82	-0.20	0.00
281	STL ENV_STR(all)		307	1728.23	-753.25	0.10	0.70	-0.07	0.00
281	STL ENV_STR(all)		1392	-1207.76	-447.88	-0.09	-0.55	0.17	0.00
281	STL ENV_STR(all)		1372	-1911.86	747.87	-0.11	-0.48	0.04	0.00
282	STL ENV_STR(all)		307	1296.21	417.44	0.08	0.73	-0.19	0.00
282	STL ENV_STR(all)		308	1600.08	-704.56	0.08	0.61	-0.07	0.00
282	STL ENV_STR(all)		1393	-1138.63	-410.55	-0.07	-0.51	0.17	0.00
282	STL ENV_STR(all)		1392	-1757.66	697.85	-0.09	-0.43	0.05	0.00
283	STL ENV_STR(all)		308	1203.55	379.08	0.06	0.65	-0.18	0.00
283	STL ENV_STR(all)		179	1473.61	-659.00	0.07	0.53	-0.08	0.00
283	STL ENV_STR(all)		1373	-1069.75	-371.72	-0.06	-0.46	0.16	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
283	STL ENV_STR(all)		1393	-1607.40	651.82	-0.08	-0.39	0.06	0.00
284	STL ENV_STR(all)		309	1019.30	298.88	0.04	0.52	-0.17	0.00
284	STL ENV_STR(all)		310	1225.85	-572.43	0.05	0.41	-0.09	0.00
284	STL ENV_STR(all)		1394	-927.23	-291.91	-0.04	-0.39	0.16	0.00
284	STL ENV_STR(all)		1374	-1317.93	565.64	-0.06	-0.31	0.08	0.00
285	STL ENV_STR(all)		310	926.20	257.99	0.04	0.48	-0.17	0.00
285	STL ENV_STR(all)		311	1104.37	-530.23	0.05	0.37	-0.10	0.00
285	STL ENV_STR(all)		1395	-852.18	-251.48	-0.04	-0.36	0.16	0.00
285	STL ENV_STR(all)		1394	-1178.40	523.91	-0.05	-0.27	0.08	0.00
286	STL ENV_STR(all)		311	832.00	216.83	0.04	0.44	-0.17	0.00
286	STL ENV_STR(all)		180	984.33	-488.36	0.05	0.33	-0.10	0.00
286	STL ENV_STR(all)		1375	-774.18	-210.86	-0.03	-0.33	0.16	0.00
286	STL ENV_STR(all)		1395	-1042.15	482.57	-0.05	-0.24	0.09	0.00
287	STL ENV_STR(all)		312	639.91	133.83	0.03	0.39	-0.16	0.00
287	STL ENV_STR(all)		313	748.00	-405.43	0.05	0.28	-0.11	0.00
287	STL ENV_STR(all)		1396	-608.96	-128.86	-0.04	-0.28	0.16	0.00
287	STL ENV_STR(all)		1376	-778.95	400.63	-0.05	-0.19	0.10	0.00
288	STL ENV_STR(all)		313	542.00	91.66	0.04	0.37	-0.16	0.00
288	STL ENV_STR(all)		314	631.17	-364.74	0.05	0.26	-0.11	0.00
288	STL ENV_STR(all)		1397	-521.63	-86.88	-0.04	-0.26	0.16	0.00
288	STL ENV_STR(all)		1396	-651.54	360.15	-0.05	-0.17	0.10	0.00
289	STL ENV_STR(all)		314	442.87	48.13	0.04	0.36	-0.17	0.00
289	STL ENV_STR(all)		181	514.46	-325.58	0.05	0.25	-0.11	0.00
289	STL ENV_STR(all)		1377	-431.15	-42.98	-0.05	-0.24	0.16	0.00
289	STL ENV_STR(all)		1397	-526.18	320.61	-0.05	-0.14	0.11	0.00
290	STL ENV_STR(all)		315	241.84	-51.42	0.07	0.35	-0.18	0.00
290	STL ENV_STR(all)		316	268.98	-256.89	0.08	0.23	-0.13	0.00
290	STL ENV_STR(all)		1398	-238.80	60.17	-0.08	-0.16	0.17	0.00
290	STL ENV_STR(all)		1378	-272.01	248.32	-0.07	-0.07	0.12	0.00
291	STL ENV_STR(all)		316	131.32	-99.74	0.08	0.33	-0.17	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
291	STL ENV_STR(all)		317	127.55	-193.77	0.06	0.19	-0.14	0.00
291	STL ENV_STR(all)		1399	-124.98	94.03	-0.06	-0.16	0.15	0.00
291	STL ENV_STR(all)		1398	-133.89	199.66	-0.07	-0.04	0.12	0.00
292	STL ENV_STR(all)		317	23.11	-94.46	0.10	0.35	-0.18	0.00
292	STL ENV_STR(all)		182	14.20	-65.72	0.15	0.28	-0.18	0.00
292	STL ENV_STR(all)		1400	-18.69	51.33	-0.15	-0.04	0.18	0.00
292	STL ENV_STR(all)		1399	-18.62	109.03	-0.10	0.03	0.16	0.00
439	STL ENV_STR(all)		468	-620.74	-425.91	-0.01	0.06	-0.29	0.00
439	STL ENV_STR(all)		1652	-718.25	425.82	-0.05	-0.00	-0.04	0.00
439	STL ENV_STR(all)		1653	627.70	530.72	-0.03	-0.15	0.14	0.00
439	STL ENV_STR(all)		1401	711.29	-530.52	0.09	-0.06	-0.09	0.00
440	STL ENV_STR(all)		469	-886.02	-811.48	-0.02	0.05	-0.09	0.00
440	STL ENV_STR(all)		1654	-906.26	492.36	-0.02	-0.11	-0.13	0.00
440	STL ENV_STR(all)		1655	896.38	787.74	0.02	-0.09	0.09	0.00
440	STL ENV_STR(all)		1402	895.90	-468.52	0.02	0.05	0.12	0.00
441	STL ENV_STR(all)		471	-2294.31	-1768.51	0.02	0.18	-0.14	0.00
441	STL ENV_STR(all)		1656	-2407.83	1585.71	0.04	0.04	-0.01	0.00
441	STL ENV_STR(all)		1657	2353.97	1772.96	-0.03	-0.11	0.17	0.00
441	STL ENV_STR(all)		1404	2348.17	-1590.07	-0.04	0.03	0.05	0.00
442	STL ENV_STR(all)		473	-3128.33	-1734.81	0.14	0.36	-0.61	0.00
442	STL ENV_STR(all)		474	-4070.49	1957.41	0.12	-0.07	-0.12	0.00
442	STL ENV_STR(all)		1407	3382.70	1642.61	-0.16	0.02	0.47	0.00
442	STL ENV_STR(all)		1406	3816.12	-1865.07	-0.11	0.32	0.20	0.00
443	STL ENV_STR(all)		475	474.22	2686.87	0.10	1.12	-0.17	0.00
443	STL ENV_STR(all)		1327	-299.78	2633.33	0.38	1.41	0.55	0.00
443	STL ENV_STR(all)		1409	-160.64	-2716.42	-0.15	-0.75	0.65	0.00
443	STL ENV_STR(all)		1408	-13.80	-2603.64	-0.32	-0.46	0.08	0.00
444	STL ENV_STR(all)		477	2462.34	621.13	0.25	2.67	-0.51	0.00
444	STL ENV_STR(all)		478	1650.46	-986.30	0.24	2.43	0.04	0.00
444	STL ENV_STR(all)		1411	-2132.47	-594.83	-0.25	-1.98	0.44	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
444	STL ENV_STR(all)		1410	-1980.32	960.18	-0.25	-1.87	-0.12	0.00
445	STL ENV_STR(all)		470	-2290.01	-1636.52	-0.02	0.11	-0.07	0.00
445	STL ENV_STR(all)		1658	-2142.88	1481.97	0.04	-0.07	-0.12	0.00
445	STL ENV_STR(all)		1659	2299.36	1684.28	0.00	-0.09	0.14	0.00
445	STL ENV_STR(all)		1403	2133.53	-1529.63	-0.03	0.10	0.20	0.00
446	STL ENV_STR(all)		472	-2124.95	-1665.49	0.00	0.07	-0.18	0.00
446	STL ENV_STR(all)		1660	-2543.96	1681.11	-0.09	-0.13	-0.25	0.00
446	STL ENV_STR(all)		1661	2225.19	1654.07	0.02	-0.21	0.13	0.00
446	STL ENV_STR(all)		1405	2443.72	-1669.60	0.07	0.03	0.09	0.00
447	STL ENV_STR(all)		474	-3103.74	-1134.90	0.35	-0.06	-0.42	0.00
447	STL ENV_STR(all)		1217	-4465.61	2628.17	-0.05	-0.13	-1.02	0.00
447	STL ENV_STR(all)		1412	3511.56	813.80	-0.31	0.31	-0.50	0.00
447	STL ENV_STR(all)		1407	4057.79	-2306.92	0.02	0.61	0.07	0.00
448	STL ENV_STR(all)		476	2436.04	1899.63	0.18	2.10	-0.44	0.00
448	STL ENV_STR(all)		1328	1258.84	-364.86	0.23	2.04	0.29	0.00
448	STL ENV_STR(all)		1414	-2065.81	-1479.90	-0.20	-1.59	0.50	0.00
448	STL ENV_STR(all)		1413	-1629.07	-54.72	-0.22	-1.46	-0.27	0.00
449	STL ENV_STR(all)		479	-645.02	-369.07	-0.06	-0.03	0.05	0.00
449	STL ENV_STR(all)		1662	-694.43	576.75	0.05	-0.17	-0.11	0.00
449	STL ENV_STR(all)		1663	615.62	380.21	0.07	0.01	0.14	0.00
449	STL ENV_STR(all)		1415	723.83	-587.79	-0.06	0.15	0.33	0.00
450	STL ENV_STR(all)		480	-747.87	-441.30	-0.01	0.09	-0.11	0.00
450	STL ENV_STR(all)		1664	-672.25	625.08	0.02	-0.05	-0.06	0.00
450	STL ENV_STR(all)		1665	750.10	389.38	0.02	-0.10	0.16	0.00
450	STL ENV_STR(all)		1416	670.02	-573.06	-0.02	0.06	0.14	0.00
451	STL ENV_STR(all)		482	-2572.06	-1540.09	0.03	0.05	-0.17	0.00
451	STL ENV_STR(all)		1666	-1854.02	1607.32	0.04	-0.15	-0.20	0.00
451	STL ENV_STR(all)		1667	2636.23	1553.83	-0.06	0.03	0.18	0.00
451	STL ENV_STR(all)		1418	1789.85	-1620.96	-0.01	0.21	0.16	0.00
452	STL ENV_STR(all)		484	-4280.58	-1804.57	0.03	0.08	-0.19	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
452	STL ENV_STR(all)		485	-2623.59	1583.98	-0.05	-0.20	-0.19	0.00
452	STL ENV_STR(all)		1421	4580.08	1866.78	0.08	-0.06	0.33	0.00
452	STL ENV_STR(all)		1420	2324.09	-1646.06	-0.06	0.04	0.33	0.00
453	STL ENV_STR(all)		486	-1053.29	384.48	-0.13	0.05	-0.48	0.00
453	STL ENV_STR(all)		1330	1538.34	352.14	0.05	-0.43	-0.39	0.00
453	STL ENV_STR(all)		1423	1380.16	-597.95	0.08	-0.07	0.85	0.00
453	STL ENV_STR(all)		1422	-1865.21	-138.53	-0.01	0.30	0.73	0.00
454	STL ENV_STR(all)		481	-2143.43	-1345.58	-0.01	0.01	0.02	0.00
454	STL ENV_STR(all)		1668	-1928.10	1652.17	0.04	-0.16	-0.14	0.00
454	STL ENV_STR(all)		1669	2082.21	1256.15	0.03	0.03	0.11	0.00
454	STL ENV_STR(all)		1417	1989.32	-1562.64	-0.06	0.15	0.26	0.00
455	STL ENV_STR(all)		483	-2869.41	-1739.99	-0.14	0.29	-0.12	0.00
455	STL ENV_STR(all)		1670	-1612.29	1447.21	0.06	0.03	0.44	0.00
455	STL ENV_STR(all)		1671	3080.72	1753.06	0.31	-0.45	0.80	0.00
455	STL ENV_STR(all)		1419	1400.99	-1460.18	-0.24	-0.10	0.24	0.00
456	STL ENV_STR(all)		485	-4406.73	-1845.98	0.07	-0.19	-0.21	0.00
456	STL ENV_STR(all)		1219	-2367.77	1328.87	0.03	-0.41	-0.56	0.00
456	STL ENV_STR(all)		1424	4857.16	1748.32	-0.16	0.33	-0.02	0.00
456	STL ENV_STR(all)		1421	1917.34	-1231.05	0.06	0.43	0.24	0.00
457	STL ENV_STR(all)		487	272.74	937.98	0.11	0.27	-0.09	0.00
457	STL ENV_STR(all)		1332	2388.68	-518.41	0.25	-0.07	-0.01	0.00
457	STL ENV_STR(all)		1426	60.87	-815.86	0.04	0.27	0.73	0.00
457	STL ENV_STR(all)		1425	-2722.29	396.42	-0.40	0.47	0.74	0.00
458	STL ENV_STR(all)		489	1829.41	394.38	0.12	1.55	-0.35	0.00
458	STL ENV_STR(all)		490	1535.63	-888.52	0.12	1.32	-0.07	0.00
458	STL ENV_STR(all)		1428	-1621.06	-405.86	-0.11	-1.19	0.30	0.00
458	STL ENV_STR(all)		1427	-1743.98	900.17	-0.12	-1.11	0.02	0.00
459	STL ENV_STR(all)		491	1303.52	257.50	0.05	0.87	-0.25	0.00
459	STL ENV_STR(all)		492	1195.02	-700.86	0.06	0.71	-0.09	0.00
459	STL ENV_STR(all)		1430	-1191.03	-260.42	-0.05	-0.70	0.23	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
459	STL ENV_STR(all)		1429	-1307.51	703.96	-0.06	-0.61	0.07	0.00
460	STL ENV_STR(all)		493	812.16	94.15	0.03	0.60	-0.19	0.00
460	STL ENV_STR(all)		494	817.42	-531.91	0.05	0.48	-0.09	0.00
460	STL ENV_STR(all)		1432	-768.15	-95.26	-0.03	-0.50	0.19	0.00
460	STL ENV_STR(all)		1431	-861.43	533.20	-0.05	-0.40	0.09	0.00
461	STL ENV_STR(all)		495	356.38	-76.47	0.05	0.61	-0.19	0.00
461	STL ENV_STR(all)		496	414.56	-377.34	0.06	0.52	-0.08	0.00
461	STL ENV_STR(all)		1434	-352.43	80.37	-0.05	-0.49	0.20	0.00
461	STL ENV_STR(all)		1433	-418.51	373.61	-0.06	-0.38	0.09	0.00
462	STL ENV_STR(all)		488	1316.17	928.24	0.24	0.21	-0.06	0.00
462	STL ENV_STR(all)		497	2762.41	-804.30	0.30	0.05	-0.14	0.00
462	STL ENV_STR(all)		1436	-1010.63	-767.38	-0.21	0.54	0.26	0.00
462	STL ENV_STR(all)		1435	-3067.95	643.62	-0.33	0.59	0.40	0.00
463	STL ENV_STR(all)		498	1054.22	546.88	0.10	0.30	-0.10	0.00
463	STL ENV_STR(all)		499	2087.86	-684.20	0.13	0.23	-0.08	0.00
463	STL ENV_STR(all)		1438	-842.42	-526.92	-0.09	-0.02	0.16	0.00
463	STL ENV_STR(all)		1437	-2299.65	664.42	-0.14	0.08	0.15	0.00
464	STL ENV_STR(all)		500	853.38	392.46	0.05	0.29	-0.12	0.00
464	STL ENV_STR(all)		501	1434.07	-506.59	0.06	0.20	-0.09	0.00
464	STL ENV_STR(all)		1440	-744.41	-374.75	-0.04	-0.14	0.15	0.00
464	STL ENV_STR(all)		1439	-1543.03	489.06	-0.07	-0.06	0.12	0.00
465	STL ENV_STR(all)		502	618.70	236.78	0.03	0.21	-0.12	0.00
465	STL ENV_STR(all)		503	868.88	-347.99	0.05	0.11	-0.10	0.00
465	STL ENV_STR(all)		1442	-578.32	-224.83	-0.03	-0.11	0.15	0.00
465	STL ENV_STR(all)		1441	-909.27	336.22	-0.05	-0.02	0.13	0.00
466	STL ENV_STR(all)		504	311.01	73.64	0.05	0.08	-0.12	0.00
466	STL ENV_STR(all)		505	361.45	-192.84	0.05	-0.03	-0.13	0.00
466	STL ENV_STR(all)		1444	-307.30	-65.94	-0.05	0.07	0.12	0.00
466	STL ENV_STR(all)		1443	-365.16	185.32	-0.06	0.14	0.13	0.00
467	STL ENV_STR(all)		478	2255.37	474.44	0.22	2.40	-0.48	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
467	STL ENV_STR(all)		506	1652.97	-1020.73	0.20	2.14	-0.01	0.00
467	STL ENV_STR(all)		1445	-1967.83	-482.19	-0.21	-1.78	0.39	0.00
467	STL ENV_STR(all)		1411	-1940.51	1028.67	-0.21	-1.70	-0.07	0.00
468	STL ENV_STR(all)		506	2108.98	429.90	0.18	2.09	-0.42	0.00
468	STL ENV_STR(all)		507	1642.62	-993.78	0.17	1.84	-0.03	0.00
468	STL ENV_STR(all)		1446	-1848.38	-449.08	-0.17	-1.56	0.35	0.00
468	STL ENV_STR(all)		1445	-1903.21	1013.13	-0.18	-1.49	-0.04	0.00
469	STL ENV_STR(all)		507	1968.55	413.35	0.15	1.80	-0.39	0.00
469	STL ENV_STR(all)		489	1600.93	-942.67	0.14	1.56	-0.05	0.00
469	STL ENV_STR(all)		1427	-1733.55	-430.27	-0.14	-1.37	0.32	0.00
469	STL ENV_STR(all)		1446	-1835.94	959.76	-0.15	-1.29	-0.01	0.00
470	STL ENV_STR(all)		490	1693.46	366.91	0.09	1.33	-0.32	0.00
470	STL ENV_STR(all)		508	1457.61	-837.61	0.10	1.12	-0.08	0.00
470	STL ENV_STR(all)		1447	-1511.31	-374.53	-0.09	-1.04	0.28	0.00
470	STL ENV_STR(all)		1428	-1639.77	845.40	-0.10	-0.95	0.04	0.00
471	STL ENV_STR(all)		508	1560.90	333.48	0.07	1.14	-0.29	0.00
471	STL ENV_STR(all)		509	1373.25	-790.01	0.08	0.96	-0.08	0.00
471	STL ENV_STR(all)		1448	-1403.59	-338.74	-0.07	-0.91	0.26	0.00
471	STL ENV_STR(all)		1447	-1530.56	795.44	-0.08	-0.82	0.05	0.00
472	STL ENV_STR(all)		509	1431.06	296.50	0.06	0.99	-0.27	0.00
472	STL ENV_STR(all)		491	1285.29	-744.69	0.07	0.82	-0.09	0.00
472	STL ENV_STR(all)		1429	-1297.01	-300.33	-0.06	-0.80	0.24	0.00
472	STL ENV_STR(all)		1448	-1419.34	748.70	-0.07	-0.70	0.06	0.00
473	STL ENV_STR(all)		492	1177.96	217.35	0.04	0.77	-0.23	0.00
473	STL ENV_STR(all)		510	1102.95	-657.92	0.06	0.62	-0.09	0.00
473	STL ENV_STR(all)		1449	-1085.27	-219.68	-0.04	-0.63	0.21	0.00
473	STL ENV_STR(all)		1430	-1195.64	660.43	-0.06	-0.54	0.08	0.00
474	STL ENV_STR(all)		510	1054.24	176.59	0.04	0.69	-0.22	0.00
474	STL ENV_STR(all)		511	1009.30	-615.56	0.05	0.56	-0.09	0.00
474	STL ENV_STR(all)		1450	-979.58	-178.47	-0.04	-0.57	0.20	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
474	STL ENV_STR(all)		1449	-1083.96	617.62	-0.05	-0.48	0.08	0.00
475	STL ENV_STR(all)		511	932.28	135.47	0.03	0.64	-0.20	0.00
475	STL ENV_STR(all)		493	914.12	-573.55	0.05	0.51	-0.09	0.00
475	STL ENV_STR(all)		1431	-873.85	-137.00	-0.03	-0.53	0.20	0.00
475	STL ENV_STR(all)		1450	-972.55	575.25	-0.05	-0.43	0.09	0.00
476	STL ENV_STR(all)		494	693.92	52.59	0.03	0.57	-0.19	0.00
476	STL ENV_STR(all)		512	719.06	-490.54	0.05	0.46	-0.08	0.00
476	STL ENV_STR(all)		1451	-662.50	-53.34	-0.04	-0.48	0.19	0.00
476	STL ENV_STR(all)		1432	-750.47	491.47	-0.05	-0.38	0.09	0.00
477	STL ENV_STR(all)		512	578.04	10.70	0.04	0.57	-0.18	0.00
477	STL ENV_STR(all)		513	619.12	-450.37	0.05	0.46	-0.08	0.00
477	STL ENV_STR(all)		1452	-557.41	-10.52	-0.04	-0.47	0.19	0.00
477	STL ENV_STR(all)		1451	-639.75	450.37	-0.05	-0.36	0.09	0.00
478	STL ENV_STR(all)		513	464.73	-32.26	0.04	0.58	-0.18	0.00
478	STL ENV_STR(all)		495	517.00	-411.29	0.06	0.48	-0.07	0.00
478	STL ENV_STR(all)		1433	-453.03	33.25	-0.05	-0.47	0.20	0.00
478	STL ENV_STR(all)		1452	-528.70	410.48	-0.06	-0.37	0.09	0.00
479	STL ENV_STR(all)		496	256.30	-126.77	0.06	0.67	-0.19	0.00
479	STL ENV_STR(all)		514	311.93	-357.25	0.09	0.58	-0.07	0.00
479	STL ENV_STR(all)		1453	-260.83	138.25	-0.07	-0.50	0.23	0.00
479	STL ENV_STR(all)		1434	-307.39	345.95	-0.08	-0.39	0.10	0.00
480	STL ENV_STR(all)		514	158.50	-188.69	0.08	0.72	-0.21	0.00
480	STL ENV_STR(all)		515	171.53	-329.31	0.08	0.61	-0.06	0.00
480	STL ENV_STR(all)		1454	-157.75	201.98	-0.07	-0.55	0.21	0.00
480	STL ENV_STR(all)		1453	-172.29	316.20	-0.09	-0.42	0.08	0.00
481	STL ENV_STR(all)		515	10.77	-181.30	0.11	0.77	-0.18	0.00
481	STL ENV_STR(all)		516	1.49	-80.92	0.14	0.76	-0.12	0.00
481	STL ENV_STR(all)		1455	-7.97	76.08	-0.15	-0.52	0.17	0.00
481	STL ENV_STR(all)		1454	-4.29	186.32	-0.10	-0.42	0.09	0.00
482	STL ENV_STR(all)		497	1339.32	644.47	0.22	0.15	-0.06	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
482	STL ENV_STR(all)		517	2682.75	-902.38	0.23	0.09	-0.12	0.00
482	STL ENV_STR(all)		1456	-969.54	-647.92	-0.18	0.34	0.15	0.00
482	STL ENV_STR(all)		1436	-3052.53	906.01	-0.27	0.56	0.18	0.00
483	STL ENV_STR(all)		517	1205.85	629.58	0.14	0.23	-0.09	0.00
483	STL ENV_STR(all)		518	2475.77	-807.95	0.19	0.16	-0.10	0.00
483	STL ENV_STR(all)		1457	-917.58	-611.18	-0.13	0.17	0.19	0.00
483	STL ENV_STR(all)		1456	-2764.05	789.73	-0.20	0.29	0.22	0.00
484	STL ENV_STR(all)		518	1119.31	585.16	0.14	0.29	-0.09	0.00
484	STL ENV_STR(all)		498	2274.01	-742.06	0.15	0.21	-0.09	0.00
484	STL ENV_STR(all)		1437	-871.04	-565.96	-0.12	0.06	0.15	0.00
484	STL ENV_STR(all)		1457	-2522.28	723.04	-0.17	0.19	0.14	0.00
485	STL ENV_STR(all)		499	1000.35	508.60	0.09	0.31	-0.10	0.00
485	STL ENV_STR(all)		519	1912.60	-634.79	0.11	0.23	-0.09	0.00
485	STL ENV_STR(all)		1458	-818.33	-487.93	-0.07	-0.08	0.14	0.00
485	STL ENV_STR(all)		1438	-2094.63	614.30	-0.12	0.02	0.12	0.00
486	STL ENV_STR(all)		519	951.55	469.86	0.07	0.31	-0.11	0.00
486	STL ENV_STR(all)		520	1746.56	-589.80	0.09	0.23	-0.08	0.00
486	STL ENV_STR(all)		1459	-796.45	-450.02	-0.06	-0.11	0.15	0.00
486	STL ENV_STR(all)		1458	-1901.66	570.13	-0.10	-0.02	0.12	0.00
487	STL ENV_STR(all)		520	903.25	431.27	0.06	0.30	-0.11	0.00
487	STL ENV_STR(all)		500	1587.34	-547.48	0.07	0.21	-0.09	0.00
487	STL ENV_STR(all)		1439	-772.28	-412.26	-0.05	-0.13	0.14	0.00
487	STL ENV_STR(all)		1459	-1718.32	528.64	-0.08	-0.05	0.12	0.00
488	STL ENV_STR(all)		501	800.51	353.65	0.04	0.27	-0.12	0.00
488	STL ENV_STR(all)		521	1285.91	-466.49	0.06	0.18	-0.09	0.00
488	STL ENV_STR(all)		1460	-711.52	-337.29	-0.03	-0.14	0.15	0.00
488	STL ENV_STR(all)		1440	-1374.90	450.30	-0.06	-0.06	0.12	0.00
489	STL ENV_STR(all)		521	744.02	314.76	0.03	0.25	-0.12	0.00
489	STL ENV_STR(all)		522	1142.51	-426.81	0.05	0.16	-0.10	0.00
489	STL ENV_STR(all)		1461	-673.10	-299.86	-0.03	-0.14	0.15	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
489	STL ENV_STR(all)		1460	-1213.43	412.08	-0.06	-0.05	0.12	0.00
490	STL ENV_STR(all)		522	683.48	275.83	0.03	0.23	-0.12	0.00
490	STL ENV_STR(all)		502	1003.57	-387.34	0.05	0.14	-0.10	0.00
490	STL ENV_STR(all)		1441	-628.77	-262.39	-0.03	-0.12	0.15	0.00
490	STL ENV_STR(all)		1461	-1058.29	374.09	-0.05	-0.04	0.12	0.00
491	STL ENV_STR(all)		503	549.50	197.56	0.03	0.19	-0.13	0.00
491	STL ENV_STR(all)		523	738.19	-308.71	0.05	0.09	-0.11	0.00
491	STL ENV_STR(all)		1462	-521.56	-187.06	-0.03	-0.08	0.14	0.00
491	STL ENV_STR(all)		1442	-766.13	298.39	-0.05	-0.00	0.13	0.00
492	STL ENV_STR(all)		523	475.65	157.91	0.04	0.16	-0.12	0.00
492	STL ENV_STR(all)		524	611.03	-269.58	0.05	0.05	-0.11	0.00
492	STL ENV_STR(all)		1463	-458.20	-148.74	-0.03	-0.05	0.14	0.00
492	STL ENV_STR(all)		1462	-628.49	260.58	-0.05	0.03	0.13	0.00
493	STL ENV_STR(all)		524	396.59	117.12	0.04	0.13	-0.13	0.00
493	STL ENV_STR(all)		504	486.33	-230.92	0.05	0.02	-0.12	0.00
493	STL ENV_STR(all)		1443	-387.46	-108.91	-0.04	0.01	0.13	0.00
493	STL ENV_STR(all)		1463	-495.46	222.88	-0.05	0.08	0.13	0.00
494	STL ENV_STR(all)		505	216.54	26.58	0.06	0.02	-0.12	0.00
494	STL ENV_STR(all)		525	233.42	-152.35	0.07	-0.10	-0.14	0.00
494	STL ENV_STR(all)		1464	-214.37	-20.77	-0.07	0.18	0.11	0.00
494	STL ENV_STR(all)		1444	-235.59	146.73	-0.06	0.22	0.13	0.00
495	STL ENV_STR(all)		525	115.56	-15.18	0.08	-0.07	-0.11	0.00
495	STL ENV_STR(all)		526	110.57	-98.51	0.06	-0.19	-0.18	0.00
495	STL ENV_STR(all)		1465	-112.75	11.53	-0.08	0.27	0.06	0.00
495	STL ENV_STR(all)		1464	-113.39	102.34	-0.07	0.34	0.13	0.00
496	STL ENV_STR(all)		526	28.50	-29.48	0.11	-0.11	-0.09	0.00
496	STL ENV_STR(all)		527	22.12	-34.24	0.16	-0.21	-0.16	0.00
496	STL ENV_STR(all)		1466	-26.18	14.81	-0.15	0.49	0.13	0.00
496	STL ENV_STR(all)		1465	-24.43	49.08	-0.11	0.48	0.17	0.00
593	STL ENV_STR(all)		620	-847.51	-124.46	-28.74	-89.35	-13.68	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
593	STL ENV_STR(all)		115	838.32	-104.07	-33.79	-57.99	1.44	0.00
593	STL ENV_STR(all)		1487	579.91	117.02	15.23	-33.50	0.53	0.00
593	STL ENV_STR(all)		1468	-570.71	111.51	47.45	-38.76	-34.43	0.00
594	STL ENV_STR(all)		614	-727.52	-211.68	-11.76	-17.62	-4.89	0.00
594	STL ENV_STR(all)		112	518.60	83.43	-20.10	-32.20	1.72	0.00
594	STL ENV_STR(all)		1489	472.33	208.97	12.55	-22.34	-7.48	0.00
594	STL ENV_STR(all)		1470	-263.41	-80.72	19.46	-39.78	-8.25	0.00
595	STL ENV_STR(all)		625	161.23	165.29	-2.60	12.51	20.55	0.00
595	STL ENV_STR(all)		123	402.13	-643.37	27.89	40.46	21.90	0.00
595	STL ENV_STR(all)		1491	-111.72	-145.33	-10.29	24.68	-3.04	0.00
595	STL ENV_STR(all)		1472	-451.64	623.42	-14.85	9.18	2.97	0.00
596	STL ENV_STR(all)		626	169.54	-630.31	-24.34	52.04	-33.11	0.00
596	STL ENV_STR(all)		124	302.68	-1301.26	7.73	-52.42	-1.85	0.00
596	STL ENV_STR(all)		1493	-221.17	640.04	21.11	-86.07	71.30	0.00
596	STL ENV_STR(all)		1474	-251.05	1291.53	-4.36	26.91	35.32	0.00
597	STL ENV_STR(all)		627	145.56	-1591.61	-12.82	11.59	-54.73	0.00
597	STL ENV_STR(all)		125	256.52	-2441.42	-47.61	-147.48	-53.74	0.00
597	STL ENV_STR(all)		108	-287.63	1636.90	21.03	-141.78	19.95	0.00
597	STL ENV_STR(all)		605	-114.44	2396.13	39.61	-29.39	21.33	0.00
598	STL ENV_STR(all)		628	122.35	-2499.12	12.89	35.78	-6.32	0.00
598	STL ENV_STR(all)		126	-126.00	-2690.33	-2.35	121.49	17.09	0.00
598	STL ENV_STR(all)		127	-56.78	2705.09	-24.99	0.23	-69.67	0.00
598	STL ENV_STR(all)		629	60.43	2484.36	14.86	-132.39	-9.97	0.00
599	STL ENV_STR(all)		630	-62.72	-2481.25	1.38	32.03	12.84	0.00
599	STL ENV_STR(all)		132	-174.07	-1875.70	10.95	34.96	4.30	0.00
599	STL ENV_STR(all)		229	138.11	2491.64	-9.27	-13.22	-9.79	0.00
599	STL ENV_STR(all)		631	98.68	1865.31	-2.79	-29.78	-0.50	0.00
600	STL ENV_STR(all)		624	-557.78	-693.88	47.34	54.18	-108.50	0.00
600	STL ENV_STR(all)		122	-71.84	162.27	-20.49	34.21	1.33	0.00
600	STL ENV_STR(all)		1495	632.72	719.20	-53.57	-8.03	8.64	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
600	STL ENV_STR(all)		1476	-3.10	-187.59	26.86	11.84	-85.16	0.00
601	STL ENV_STR(all)		632	-552.83	-1513.16	39.67	-13.09	-64.40	0.00
601	STL ENV_STR(all)		128	-237.62	-433.86	-34.93	75.74	56.10	0.00
601	STL ENV_STR(all)		1497	472.10	1540.67	-12.73	21.30	0.72	0.00
601	STL ENV_STR(all)		1478	318.36	406.35	8.14	-69.26	-111.13	0.00
602	STL ENV_STR(all)		633	-396.69	-2841.93	-52.15	-106.06	180.94	0.00
602	STL ENV_STR(all)		129	-338.91	-1306.33	34.25	11.84	18.36	0.00
602	STL ENV_STR(all)		99	227.67	2778.08	75.30	44.25	-22.52	0.00
602	STL ENV_STR(all)		575	507.93	1370.18	-57.20	-45.38	97.92	0.00
603	STL ENV_STR(all)		634	340.24	-2749.25	-82.69	64.18	152.98	0.00
603	STL ENV_STR(all)		130	-296.18	-2619.16	70.47	-42.56	-3.43	0.00
603	STL ENV_STR(all)		131	-210.59	2443.00	33.65	-164.25	-46.45	0.00
603	STL ENV_STR(all)		635	166.52	2925.41	-21.02	-61.15	156.20	0.00
604	STL ENV_STR(all)		636	284.60	-1654.91	-3.67	6.49	8.57	0.00
604	STL ENV_STR(all)		133	130.08	-2715.54	6.29	15.02	-6.69	0.00
604	STL ENV_STR(all)		235	-195.38	1637.11	3.99	-34.38	-8.53	0.00
604	STL ENV_STR(all)		637	-219.30	2733.35	-6.34	-26.37	26.78	0.00
605	STL ENV_STR(all)		587	-529.32	-535.04	-45.59	-307.32	102.95	0.00
605	STL ENV_STR(all)		102	547.43	-496.49	-55.64	-280.07	-82.07	0.00
605	STL ENV_STR(all)		1499	336.58	471.02	57.80	124.52	-94.72	0.00
605	STL ENV_STR(all)		1480	-354.70	560.51	43.58	106.95	78.63	0.00
606	STL ENV_STR(all)		596	204.68	-998.31	-0.81	123.67	-46.73	0.00
606	STL ENV_STR(all)		105	413.61	-1870.94	8.30	58.33	24.56	0.00
606	STL ENV_STR(all)		1501	-195.23	1005.19	10.85	-113.76	65.57	0.00
606	STL ENV_STR(all)		1482	-423.06	1864.06	-18.21	-45.28	3.64	0.00
607	STL ENV_STR(all)		605	171.22	-1933.75	-64.67	114.94	-175.45	0.00
607	STL ENV_STR(all)		108	98.10	-2668.67	-63.57	73.77	188.72	0.00
607	STL ENV_STR(all)		1224	-185.57	2075.82	83.98	-463.03	211.60	0.00
607	STL ENV_STR(all)		1222	-83.74	2526.60	44.49	-445.33	-175.00	0.00
608	STL ENV_STR(all)		629	10.14	-2751.72	18.93	-19.61	51.57	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
608	STL ENV_STR(all)		127	-193.99	-2104.42	-11.11	108.86	-67.31	0.00
608	STL ENV_STR(all)		132	111.45	2840.16	-2.98	-11.60	-25.77	0.00
608	STL ENV_STR(all)		630	72.39	2015.97	-4.43	-88.60	9.05	0.00
609	STL ENV_STR(all)		557	-854.33	-711.99	-60.75	-338.90	21.80	0.00
609	STL ENV_STR(all)		91	427.20	-173.44	-102.15	-335.67	-103.91	0.00
609	STL ENV_STR(all)		1503	671.59	771.50	37.77	53.74	-99.00	0.00
609	STL ENV_STR(all)		1484	-244.47	113.93	125.27	49.09	21.04	0.00
610	STL ENV_STR(all)		566	-603.48	-2066.10	-16.45	33.66	-67.08	0.00
610	STL ENV_STR(all)		95	-362.26	-756.02	-27.93	82.67	64.81	0.00
610	STL ENV_STR(all)		1505	583.21	2108.31	-2.28	-105.34	14.82	0.00
610	STL ENV_STR(all)		1486	382.54	713.81	46.80	-169.73	-87.11	0.00
611	STL ENV_STR(all)		575	-97.88	-3089.75	-158.72	-43.41	-71.88	0.00
611	STL ENV_STR(all)		99	-420.05	-1778.05	-32.43	28.53	231.50	0.00
611	STL ENV_STR(all)		1226	-36.51	2918.16	133.88	-501.99	217.71	0.00
611	STL ENV_STR(all)		1223	554.44	1949.63	57.50	-549.26	-122.17	0.00
612	STL ENV_STR(all)		635	361.43	-1893.48	22.03	125.52	58.93	0.00
612	STL ENV_STR(all)		131	-40.20	-3038.76	2.19	62.41	-89.63	0.00
612	STL ENV_STR(all)		133	-192.89	1753.45	-14.42	-33.15	-13.44	0.00
612	STL ENV_STR(all)		636	-128.34	3178.79	-9.39	-2.56	7.38	0.00
613	STL ENV_STR(all)		623	-357.05	157.56	12.89	33.39	-4.41	0.00
613	STL ENV_STR(all)		36	516.77	163.81	21.38	118.86	-0.00	0.00
613	STL ENV_STR(all)		1507	86.05	-387.40	-19.41	-11.18	8.60	0.00
613	STL ENV_STR(all)		1488	-245.77	66.03	-14.72	-20.63	0.37	0.00
614	STL ENV_STR(all)		611	-1074.97	-2.24	-133.35	-72.23	-13.78	0.00
614	STL ENV_STR(all)		8	1323.42	-341.87	54.37	-90.70	235.05	0.00
614	STL ENV_STR(all)		1467	642.77	-5.95	106.42	-58.51	208.92	0.00
614	STL ENV_STR(all)		1490	-891.23	350.06	-27.30	-56.02	-29.23	0.00
615	STL ENV_STR(all)		639	-62.52	138.36	-44.30	37.30	-89.95	0.00
615	STL ENV_STR(all)		9	623.87	-608.18	44.26	46.18	222.64	0.00
615	STL ENV_STR(all)		1475	146.56	-177.68	65.67	-34.10	241.84	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
615	STL ENV_STR(all)		1492	-707.91	647.50	-65.49	-50.94	-101.27	0.00
616	STL ENV_STR(all)		640	356.01	-143.42	-21.33	95.22	-114.51	0.00
616	STL ENV_STR(all)		10	799.41	-1736.10	53.61	41.85	168.36	0.00
616	STL ENV_STR(all)		1477	-457.00	118.32	4.11	-38.08	147.96	0.00
616	STL ENV_STR(all)		1494	-698.42	1761.20	-36.24	11.95	-58.74	0.00
617	STL ENV_STR(all)		641	597.96	-920.46	53.09	84.81	129.00	0.00
617	STL ENV_STR(all)		11	584.34	-3319.08	48.69	63.18	-208.17	0.00
617	STL ENV_STR(all)		53	-816.35	953.91	-171.72	163.71	-374.48	0.00
617	STL ENV_STR(all)		602	-365.95	3285.63	70.15	189.92	143.78	0.00
618	STL ENV_STR(all)		642	516.26	-2878.22	89.27	-121.75	181.52	0.00
618	STL ENV_STR(all)		12	-644.05	-2744.26	-136.55	-47.82	-434.99	0.00
618	STL ENV_STR(all)		54	-302.00	3255.55	25.25	-170.31	-164.00	0.00
618	STL ENV_STR(all)		643	429.79	2366.93	22.44	-217.04	140.48	0.00
619	STL ENV_STR(all)		638	-142.24	-291.34	17.60	12.93	5.14	0.00
619	STL ENV_STR(all)		37	-70.02	173.07	15.48	12.96	-12.32	0.00
619	STL ENV_STR(all)		1508	65.40	124.11	-12.45	61.86	-3.96	0.00
619	STL ENV_STR(all)		1496	146.86	-5.84	-20.48	27.38	19.00	0.00
620	STL ENV_STR(all)		644	-122.58	-1062.83	-26.01	-86.03	25.35	0.00
620	STL ENV_STR(all)		38	-48.00	-768.80	-49.23	-32.97	36.79	0.00
620	STL ENV_STR(all)		1509	73.39	1007.70	41.42	-43.98	-40.17	0.00
620	STL ENV_STR(all)		1498	97.19	823.93	33.97	-101.25	-41.63	0.00
621	STL ENV_STR(all)		645	-62.28	-2109.30	-45.32	-188.74	5.35	0.00
621	STL ENV_STR(all)		39	-59.54	-1811.70	-79.19	-56.39	64.54	0.00
621	STL ENV_STR(all)		61	-7.68	2055.72	74.67	-145.02	-63.94	0.00
621	STL ENV_STR(all)		578	129.50	1865.28	50.04	-236.09	-17.38	0.00
622	STL ENV_STR(all)		646	29.87	-2597.68	24.85	174.05	-23.30	0.00
622	STL ENV_STR(all)		40	-38.75	-2464.82	24.34	203.72	-7.61	0.00
622	STL ENV_STR(all)		62	12.50	2500.25	-21.99	-2.60	27.54	0.00
622	STL ENV_STR(all)		647	-3.63	2562.24	-26.78	37.63	8.86	0.00
623	STL ENV_STR(all)		584	-453.43	184.82	-255.24	-349.42	40.69	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
623	STL ENV_STR(all)		51	1257.51	-774.77	18.08	-359.35	318.47	0.00
623	STL ENV_STR(all)		1483	186.03	-350.92	272.28	-70.18	330.57	0.00
623	STL ENV_STR(all)		1500	-990.10	940.88	-34.98	-52.30	34.67	0.00
624	STL ENV_STR(all)		593	472.61	-541.81	-7.75	12.27	-92.42	0.00
624	STL ENV_STR(all)		52	727.43	-2241.99	-105.85	-16.02	-22.30	0.00
624	STL ENV_STR(all)		1485	-496.80	561.65	32.69	-212.33	-4.01	0.00
624	STL ENV_STR(all)		1502	-703.23	2222.15	81.05	-184.97	-65.74	0.00
625	STL ENV_STR(all)		602	774.84	-1529.71	145.34	-105.96	-117.81	0.00
625	STL ENV_STR(all)		53	93.59	-3754.88	-379.23	-161.33	-547.95	0.00
625	STL ENV_STR(all)		1220	-1106.27	1843.42	-178.50	-530.14	-600.94	0.00
625	STL ENV_STR(all)		1225	237.85	3441.16	412.62	-505.50	-130.79	0.00
626	STL ENV_STR(all)		643	97.66	-3405.00	-23.06	144.97	76.42	0.00
626	STL ENV_STR(all)		54	-582.07	-1646.73	71.48	174.16	40.43	0.00
626	STL ENV_STR(all)		13	128.61	3585.04	-44.01	47.80	-43.55	0.00
626	STL ENV_STR(all)		648	355.80	1466.70	-3.99	25.32	3.47	0.00
627	STL ENV_STR(all)		560	-348.42	-382.28	-68.19	-255.49	76.36	0.00
627	STL ENV_STR(all)		59	711.63	-1139.10	-17.33	-372.58	-60.21	0.00
627	STL ENV_STR(all)		1510	42.59	630.79	53.01	148.93	-18.84	0.00
627	STL ENV_STR(all)		1504	-405.79	890.59	32.65	177.71	91.50	0.00
628	STL ENV_STR(all)		569	-237.23	-1658.73	-21.09	61.88	-11.68	0.00
628	STL ENV_STR(all)		60	-61.20	-1276.05	-38.55	72.48	36.51	0.00
628	STL ENV_STR(all)		1511	287.03	1693.95	46.08	-212.86	39.38	0.00
628	STL ENV_STR(all)		1506	11.40	1240.83	13.70	-133.33	-45.27	0.00
629	STL ENV_STR(all)		578	-69.25	-2306.46	-25.34	144.54	-137.28	0.00
629	STL ENV_STR(all)		61	7.68	-2055.72	-74.67	145.02	63.94	0.00
629	STL ENV_STR(all)		1228	103.52	2191.48	-6.35	-457.75	41.13	0.00
629	STL ENV_STR(all)		1227	-41.95	2170.70	106.59	-395.68	-170.50	0.00
630	STL ENV_STR(all)		647	73.78	-2297.53	-6.94	105.62	32.42	0.00
630	STL ENV_STR(all)		62	-12.50	-2500.25	21.99	2.60	-27.54	0.00
630	STL ENV_STR(all)		41	12.57	2255.02	-7.51	-50.89	3.82	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
630	STL ENV_STR(all)		649	-73.84	2542.76	-7.14	4.44	25.90	0.00
631	STL ENV_STR(all)		648	-199.93	-2993.72	17.22	-34.72	14.56	0.00
631	STL ENV_STR(all)		13	-418.51	-1410.50	-40.98	-45.07	-71.88	0.00
631	STL ENV_STR(all)		234	317.87	3018.86	14.41	-66.47	-27.72	0.00
631	STL ENV_STR(all)		650	300.57	1385.37	9.62	-64.65	26.09	0.00
632	STL ENV_STR(all)		651	-83.22	-1625.61	3.50	11.73	2.24	0.00
632	STL ENV_STR(all)		135	-124.02	-1073.94	3.00	17.92	0.32	0.00
632	STL ENV_STR(all)		241	136.49	1612.88	-3.51	-10.75	-0.34	0.00
632	STL ENV_STR(all)		652	70.74	1086.67	-2.71	-16.08	-0.89	0.00
633	STL ENV_STR(all)		653	-248.50	-1958.94	3.85	13.59	0.32	0.00
633	STL ENV_STR(all)		136	-231.37	-687.09	1.60	12.55	1.26	0.00
633	STL ENV_STR(all)		246	299.55	1934.96	-3.30	-14.32	1.73	0.00
633	STL ENV_STR(all)		654	180.32	711.07	-1.89	-14.93	-1.03	0.00
634	STL ENV_STR(all)		655	-59.81	-936.32	2.19	4.55	0.78	0.00
634	STL ENV_STR(all)		138	-89.22	-538.77	1.66	7.73	0.73	0.00
634	STL ENV_STR(all)		250	98.57	926.30	-2.09	-3.58	0.20	0.00
634	STL ENV_STR(all)		656	50.46	548.79	-1.49	-6.68	-0.89	0.00
635	STL ENV_STR(all)		657	-181.18	-1177.49	2.54	5.96	-0.67	0.00
635	STL ENV_STR(all)		139	-166.20	-254.65	1.31	6.98	2.24	0.00
635	STL ENV_STR(all)		255	219.70	1157.91	-2.38	-4.58	2.29	0.00
635	STL ENV_STR(all)		658	127.68	274.23	-1.20	-5.68	-1.65	0.00
636	STL ENV_STR(all)		659	-40.36	-442.54	1.03	-1.46	0.59	0.00
636	STL ENV_STR(all)		141	-56.38	-181.29	0.76	0.91	0.63	0.00
636	STL ENV_STR(all)		259	65.56	432.83	-0.92	2.06	0.15	0.00
636	STL ENV_STR(all)		660	31.18	191.01	-0.60	-0.25	-0.62	0.00
637	STL ENV_STR(all)		661	-126.54	-594.01	1.22	-0.45	-0.63	0.00
637	STL ENV_STR(all)		142	-99.17	12.03	0.56	0.55	1.96	0.00
637	STL ENV_STR(all)		264	151.79	574.84	-1.04	1.39	1.94	0.00
637	STL ENV_STR(all)		662	73.93	7.14	-0.47	0.39	-1.38	0.00
638	STL ENV_STR(all)		663	-20.64	-129.61	0.38	-4.47	0.43	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
638	STL ENV_STR(all)		144	-22.71	-6.57	0.22	-3.92	-0.15	0.00
638	STL ENV_STR(all)		268	31.71	119.30	-0.29	4.85	-0.26	0.00
638	STL ENV_STR(all)		664	11.65	16.88	-0.04	4.50	0.11	0.00
639	STL ENV_STR(all)		665	-72.18	-187.84	0.34	-4.10	0.08	0.00
639	STL ENV_STR(all)		145	-29.20	96.22	0.26	-3.60	0.79	0.00
639	STL ENV_STR(all)		273	83.08	167.37	-0.26	4.91	0.33	0.00
639	STL ENV_STR(all)		666	18.30	-75.75	-0.07	4.47	-0.02	0.00
640	STL ENV_STR(all)		649	83.63	-2078.75	10.41	45.69	-4.62	0.00
640	STL ENV_STR(all)		41	-12.57	-2255.02	7.51	50.89	-3.82	0.00
640	STL ENV_STR(all)		276	-11.21	2070.12	-9.02	-20.31	4.11	0.00
640	STL ENV_STR(all)		667	-59.85	2263.66	-8.62	-15.66	-0.69	0.00
641	STL ENV_STR(all)		668	180.62	-881.48	3.80	15.91	-1.93	0.00
641	STL ENV_STR(all)		147	162.99	-1792.48	3.10	15.58	-1.85	0.00
641	STL ENV_STR(all)		279	-128.22	898.96	-2.86	-13.35	0.54	0.00
641	STL ENV_STR(all)		669	-215.39	1775.00	-3.77	-12.33	-1.41	0.00
642	STL ENV_STR(all)		670	61.12	-1261.13	3.13	17.22	-0.04	0.00
642	STL ENV_STR(all)		148	7.99	-1446.37	4.16	14.55	-1.15	0.00
642	STL ENV_STR(all)		282	-7.28	1266.63	-3.56	-13.01	0.91	0.00
642	STL ENV_STR(all)		671	-61.83	1440.87	-3.47	-10.89	0.47	0.00
643	STL ENV_STR(all)		672	129.74	-398.37	1.57	6.71	-1.10	0.00
643	STL ENV_STR(all)		149	118.12	-1057.01	2.42	6.31	0.08	0.00
643	STL ENV_STR(all)		285	-91.13	412.53	-1.44	-5.14	0.83	0.00
643	STL ENV_STR(all)		673	-156.73	1042.85	-2.28	-4.72	-1.42	0.00
644	STL ENV_STR(all)		674	43.91	-674.61	2.01	7.62	-0.16	0.00
644	STL ENV_STR(all)		150	5.66	-808.08	2.46	6.51	-0.66	0.00
644	STL ENV_STR(all)		288	-5.18	679.16	-2.12	-4.66	0.60	0.00
644	STL ENV_STR(all)		675	-44.40	803.52	-2.08	-3.58	-0.01	0.00
645	STL ENV_STR(all)		676	79.79	-86.45	0.69	0.04	-0.88	0.00
645	STL ENV_STR(all)		151	81.13	-518.97	1.17	-0.08	0.17	0.00
645	STL ENV_STR(all)		291	-54.60	100.57	-0.59	0.96	0.59	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
645	STL ENV_STR(all)		677	-106.32	504.86	-1.00	1.05	-1.20	0.00
646	STL ENV_STR(all)		678	28.41	-272.29	0.96	0.63	-0.09	0.00
646	STL ENV_STR(all)		152	3.75	-360.58	1.23	-0.01	-0.42	0.00
646	STL ENV_STR(all)		294	-3.28	276.95	-0.97	1.25	0.36	0.00
646	STL ENV_STR(all)		679	-28.89	355.93	-0.95	1.86	-0.04	0.00
647	STL ENV_STR(all)		680	28.21	42.77	0.24	-4.37	-0.07	0.00
647	STL ENV_STR(all)		153	43.94	-159.99	0.36	-3.63	-0.04	0.00
647	STL ENV_STR(all)		297	-17.35	-27.60	-0.06	5.06	-0.25	0.00
647	STL ENV_STR(all)		681	-54.80	144.82	-0.28	4.21	-0.30	0.00
648	STL ENV_STR(all)		682	12.54	-52.41	0.23	-4.46	0.28	0.00
648	STL ENV_STR(all)		154	1.77	-95.07	0.31	-4.17	-0.08	0.00
648	STL ENV_STR(all)		300	-1.34	57.85	-0.06	4.75	-0.09	0.00
648	STL ENV_STR(all)		683	-12.97	89.63	-0.22	4.35	-0.03	0.00
649	STL ENV_STR(all)		631	-86.94	-2284.47	9.23	7.42	3.32	0.00
649	STL ENV_STR(all)		229	-163.33	-1624.38	-3.58	31.92	-9.52	0.00
649	STL ENV_STR(all)		231	157.93	2275.30	-4.16	-18.76	-9.54	0.00
649	STL ENV_STR(all)		684	92.34	1633.55	-1.22	-36.27	-0.64	0.00
650	STL ENV_STR(all)		684	-93.97	-2062.67	2.68	18.61	7.33	0.00
650	STL ENV_STR(all)		231	-149.52	-1412.74	6.39	26.93	0.87	0.00
650	STL ENV_STR(all)		233	158.86	2046.02	-4.82	-13.32	-0.88	0.00
650	STL ENV_STR(all)		685	84.63	1429.39	-3.99	-21.45	-0.40	0.00
651	STL ENV_STR(all)		685	-90.51	-1836.44	4.75	12.51	1.12	0.00
651	STL ENV_STR(all)		233	-134.87	-1235.29	1.78	18.96	-0.46	0.00
651	STL ENV_STR(all)		135	148.58	1821.45	-3.98	-13.13	-2.26	0.00
651	STL ENV_STR(all)		651	76.81	1250.28	-2.27	-19.75	-1.10	0.00
652	STL ENV_STR(all)		637	255.19	-1382.20	0.53	40.00	14.73	0.00
652	STL ENV_STR(all)		235	169.89	-2502.10	8.73	19.03	-9.83	0.00
652	STL ENV_STR(all)		237	-175.30	1396.64	-4.68	-29.64	-2.61	0.00
652	STL ENV_STR(all)		686	-249.79	2487.66	-4.32	-21.15	1.92	0.00
653	STL ENV_STR(all)		686	220.46	-1184.04	6.76	19.94	-3.59	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
653	STL ENV_STR(all)		237	183.57	-2257.24	2.36	24.25	-5.27	0.00
653	STL ENV_STR(all)		239	-153.68	1206.55	-3.28	-16.84	-0.66	0.00
653	STL ENV_STR(all)		687	-250.35	2234.73	-5.57	-15.84	1.39	0.00
654	STL ENV_STR(all)		687	195.11	-1026.72	0.20	18.91	3.71	0.00
654	STL ENV_STR(all)		239	177.57	-2015.59	6.27	13.53	-0.11	0.00
654	STL ENV_STR(all)		147	-138.50	1046.46	-2.15	-18.36	0.32	0.00
654	STL ENV_STR(all)		668	-234.18	1995.85	-4.04	-15.47	0.83	0.00
655	STL ENV_STR(all)		650	-265.06	-2739.27	-3.64	47.58	16.97	0.00
655	STL ENV_STR(all)		234	-348.01	-1106.76	26.75	68.16	22.64	0.00
655	STL ENV_STR(all)		236	357.01	2701.15	-11.59	-3.04	6.95	0.00
655	STL ENV_STR(all)		688	256.06	1144.87	-11.26	-13.80	-0.92	0.00
656	STL ENV_STR(all)		688	-285.63	-2450.94	8.90	12.20	0.46	0.00
656	STL ENV_STR(all)		236	-278.14	-955.61	-6.54	4.41	-13.32	0.00
656	STL ENV_STR(all)		238	349.89	2421.71	-3.36	-25.00	-7.32	0.00
656	STL ENV_STR(all)		689	213.88	984.84	1.26	-23.43	2.76	0.00
657	STL ENV_STR(all)		689	-269.32	-2194.98	4.17	18.00	3.18	0.00
657	STL ENV_STR(all)		238	-250.68	-815.16	4.96	26.16	1.87	0.00
657	STL ENV_STR(all)		136	325.22	2167.44	-5.29	-11.55	1.87	0.00
657	STL ENV_STR(all)		653	194.79	842.71	-3.57	-16.07	-0.82	0.00
658	STL ENV_STR(all)		652	-76.26	-1431.98	3.13	10.24	1.17	0.00
658	STL ENV_STR(all)		241	-114.78	-923.76	2.52	14.06	0.90	0.00
658	STL ENV_STR(all)		243	125.66	1420.58	-3.08	-9.33	-0.06	0.00
658	STL ENV_STR(all)		690	65.38	935.16	-2.31	-13.27	-0.97	0.00
659	STL ENV_STR(all)		690	-70.32	-1253.63	2.89	8.30	0.97	0.00
659	STL ENV_STR(all)		243	-106.00	-784.43	2.22	12.17	0.72	0.00
659	STL ENV_STR(all)		245	116.05	1242.97	-2.78	-7.24	0.19	0.00
659	STL ENV_STR(all)		691	60.28	795.09	-2.07	-10.89	-1.00	0.00
660	STL ENV_STR(all)		691	-64.92	-1088.77	2.47	6.45	0.87	0.00
660	STL ENV_STR(all)		245	-97.53	-656.06	1.98	9.70	0.86	0.00
660	STL ENV_STR(all)		138	107.12	1078.51	-2.41	-5.40	0.21	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
660	STL ENV_STR(all)		655	55.33	666.32	-1.77	-8.66	-0.93	0.00
661	STL ENV_STR(all)		654	-228.47	-1741.68	3.81	12.35	-0.58	0.00
661	STL ENV_STR(all)		246	-215.35	-565.55	2.39	15.21	2.52	0.00
661	STL ENV_STR(all)		247	276.50	1719.66	-3.73	-9.80	2.79	0.00
661	STL ENV_STR(all)		692	167.33	587.57	-2.20	-11.75	-1.98	0.00
662	STL ENV_STR(all)		692	-211.22	-1540.14	3.17	9.97	-0.62	0.00
662	STL ENV_STR(all)		247	-199.13	-452.38	1.80	10.62	2.52	0.00
662	STL ENV_STR(all)		248	256.17	1519.44	-3.00	-8.73	2.57	0.00
662	STL ENV_STR(all)		693	154.19	473.08	-1.70	-9.76	-1.76	0.00
663	STL ENV_STR(all)		693	-195.69	-1352.50	3.00	7.98	-0.80	0.00
663	STL ENV_STR(all)		248	-182.76	-348.42	1.59	9.51	2.35	0.00
663	STL ENV_STR(all)		139	237.47	1332.49	-2.83	-6.22	2.48	0.00
663	STL ENV_STR(all)		657	140.98	368.43	-1.49	-7.55	-1.83	0.00
664	STL ENV_STR(all)		656	-54.86	-795.72	1.85	2.83	0.74	0.00
664	STL ENV_STR(all)		250	-80.98	-432.60	1.41	5.75	0.73	0.00
664	STL ENV_STR(all)		252	90.21	785.84	-1.77	-1.94	0.18	0.00
664	STL ENV_STR(all)		694	45.64	442.48	-1.23	-4.83	-0.82	0.00
665	STL ENV_STR(all)		694	-49.99	-666.66	1.57	1.23	0.69	0.00
665	STL ENV_STR(all)		252	-72.79	-337.61	1.16	4.00	0.68	0.00
665	STL ENV_STR(all)		254	81.95	656.87	-1.47	-0.44	0.16	0.00
665	STL ENV_STR(all)		695	40.83	347.40	-0.99	-3.15	-0.76	0.00
666	STL ENV_STR(all)		695	-45.17	-548.96	1.28	-0.19	0.64	0.00
666	STL ENV_STR(all)		254	-64.60	-253.82	0.95	2.37	0.66	0.00
666	STL ENV_STR(all)		141	73.75	539.22	-1.18	0.90	0.15	0.00
666	STL ENV_STR(all)		659	36.02	263.55	-0.78	-1.63	-0.69	0.00
667	STL ENV_STR(all)		658	-167.20	-1014.45	2.23	4.13	-0.68	0.00
667	STL ENV_STR(all)		255	-149.55	-171.47	1.08	5.32	2.10	0.00
667	STL ENV_STR(all)		256	202.42	995.09	-2.06	-2.76	2.16	0.00
667	STL ENV_STR(all)		696	114.34	190.83	-0.98	-3.90	-1.59	0.00
668	STL ENV_STR(all)		696	-153.51	-862.99	1.86	2.43	-0.63	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
668	STL ENV_STR(all)		256	-132.84	-99.20	0.87	3.49	2.03	0.00
668	STL ENV_STR(all)		257	185.41	843.75	-1.69	-1.25	2.06	0.00
668	STL ENV_STR(all)		697	100.94	118.43	-0.78	-2.32	-1.50	0.00
669	STL ENV_STR(all)		697	-139.98	-722.88	1.54	0.91	-0.63	0.00
669	STL ENV_STR(all)		257	-116.06	-37.99	0.70	1.98	1.98	0.00
669	STL ENV_STR(all)		142	168.54	703.71	-1.36	0.17	1.98	0.00
669	STL ENV_STR(all)		661	87.49	57.16	-0.61	-0.88	-1.44	0.00
670	STL ENV_STR(all)		660	-35.55	-347.35	0.79	-2.53	0.54	0.00
670	STL ENV_STR(all)		259	-48.09	-120.13	0.60	-0.41	0.59	0.00
670	STL ENV_STR(all)		261	57.37	337.60	-0.68	3.06	0.15	0.00
670	STL ENV_STR(all)		698	26.27	129.88	-0.45	1.00	-0.53	0.00
671	STL ENV_STR(all)		698	-30.72	-263.34	0.60	-3.41	0.51	0.00
671	STL ENV_STR(all)		261	-39.63	-70.54	0.47	-1.61	0.48	0.00
671	STL ENV_STR(all)		263	49.12	253.46	-0.48	3.89	0.10	0.00
671	STL ENV_STR(all)		699	21.23	80.42	-0.32	2.19	-0.38	0.00
672	STL ENV_STR(all)		699	-25.79	-190.60	0.45	-4.05	0.49	0.00
672	STL ENV_STR(all)		263	-31.02	-32.73	0.37	-2.78	0.25	0.00
672	STL ENV_STR(all)		144	40.66	180.44	-0.33	4.52	-0.01	0.00
672	STL ENV_STR(all)		663	16.15	42.89	-0.22	3.41	-0.12	0.00
673	STL ENV_STR(all)		662	-113.19	-476.24	0.92	-1.64	-0.64	0.00
673	STL ENV_STR(all)		264	-82.09	50.74	0.46	-0.68	1.96	0.00
673	STL ENV_STR(all)		265	135.14	457.00	-0.74	2.46	1.91	0.00
673	STL ENV_STR(all)		700	60.14	-31.51	-0.37	1.51	-1.31	0.00
674	STL ENV_STR(all)		700	-99.92	-369.38	0.64	-2.64	-0.59	0.00
674	STL ENV_STR(all)		265	-64.67	77.97	0.40	-1.77	1.91	0.00
674	STL ENV_STR(all)		266	118.60	349.95	-0.46	3.38	1.81	0.00
674	STL ENV_STR(all)		701	45.98	-58.55	-0.31	2.53	-1.14	0.00
675	STL ENV_STR(all)		701	-86.52	-273.21	0.43	-3.45	-0.38	0.00
675	STL ENV_STR(all)		266	-46.84	93.39	0.36	-2.72	1.63	0.00
675	STL ENV_STR(all)		145	101.74	253.35	-0.26	4.20	1.41	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
675	STL ENV_STR(all)		665	31.63	-73.54	-0.26	3.54	-0.73	0.00
676	STL ENV_STR(all)		664	-15.27	-81.59	0.27	-4.85	0.20	0.00
676	STL ENV_STR(all)		268	-16.02	8.97	-0.03	-4.70	-0.26	0.00
676	STL ENV_STR(all)		270	22.24	72.40	-0.12	4.70	-0.26	0.00
676	STL ENV_STR(all)		702	9.06	0.21	0.15	4.47	0.07	0.00
677	STL ENV_STR(all)		702	-11.43	-46.82	-0.02	-5.13	-0.34	0.00
677	STL ENV_STR(all)		270	-10.32	15.54	-0.32	-4.05	0.67	0.00
677	STL ENV_STR(all)		272	17.12	41.02	0.14	3.63	-0.06	0.00
677	STL ENV_STR(all)		703	4.63	-9.74	0.46	2.06	-0.72	0.00
678	STL ENV_STR(all)		703	-9.78	-18.62	-0.65	-4.15	-0.08	0.00
678	STL ENV_STR(all)		272	-0.60	11.03	0.10	-1.03	2.37	0.00
678	STL ENV_STR(all)		146	13.60	15.95	1.31	2.15	0.84	0.00
678	STL ENV_STR(all)		704	-3.22	-8.36	-0.49	-1.51	0.21	0.00
679	STL ENV_STR(all)		666	-55.76	-114.86	0.44	-4.70	0.59	0.00
679	STL ENV_STR(all)		273	-13.27	85.08	-0.10	-4.38	-0.60	0.00
679	STL ENV_STR(all)		274	61.13	94.40	-0.43	5.15	-1.18	0.00
679	STL ENV_STR(all)		705	7.90	-64.62	0.35	4.87	0.58	0.00
680	STL ENV_STR(all)		705	-38.01	-59.05	0.55	-5.38	-0.43	0.00
680	STL ENV_STR(all)		274	-1.15	60.23	-1.00	-4.72	-0.92	0.00
680	STL ENV_STR(all)		275	37.51	41.57	-0.69	3.61	-1.13	0.00
680	STL ENV_STR(all)		706	1.64	-42.75	1.41	2.71	-1.50	0.00
681	STL ENV_STR(all)		706	-34.84	-24.70	-1.58	-5.01	-2.91	0.00
681	STL ENV_STR(all)		275	17.67	27.33	0.10	-3.28	6.34	0.00
681	STL ENV_STR(all)		14	46.48	17.33	4.09	0.19	10.72	0.00
681	STL ENV_STR(all)		707	-29.31	-19.97	-2.34	-2.33	-3.76	0.00
682	STL ENV_STR(all)		667	71.74	-1845.90	2.28	33.90	3.08	0.00
682	STL ENV_STR(all)		276	11.21	-2070.12	9.02	20.31	-4.11	0.00
682	STL ENV_STR(all)		277	-8.43	1854.34	-5.20	-21.56	2.48	0.00
682	STL ENV_STR(all)		708	-74.52	2061.68	-5.84	-11.78	6.68	0.00
683	STL ENV_STR(all)		708	72.93	-1633.69	4.49	26.01	-0.35	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
683	STL ENV_STR(all)		277	8.43	-1854.34	5.20	21.56	-2.48	0.00
683	STL ENV_STR(all)		278	-8.94	1642.72	-4.93	-18.24	1.49	0.00
683	STL ENV_STR(all)		709	-72.42	1845.30	-4.49	-14.75	0.56	0.00
684	STL ENV_STR(all)		709	66.55	-1439.24	3.80	20.81	-0.11	0.00
684	STL ENV_STR(all)		278	8.94	-1642.72	4.93	18.24	-1.49	0.00
684	STL ENV_STR(all)		148	-7.99	1446.37	-4.16	-14.55	1.15	0.00
684	STL ENV_STR(all)		670	-67.51	1635.60	-4.30	-11.68	0.98	0.00
685	STL ENV_STR(all)		669	167.38	-746.05	1.87	13.09	-0.60	0.00
685	STL ENV_STR(all)		279	149.86	-1586.76	3.82	11.81	0.29	0.00
685	STL ENV_STR(all)		280	-118.67	761.83	-2.15	-11.76	0.96	0.00
685	STL ENV_STR(all)		710	-198.58	1570.98	-3.28	-10.90	-1.42	0.00
686	STL ENV_STR(all)		710	154.78	-619.89	2.33	11.00	-1.45	0.00
686	STL ENV_STR(all)		280	138.28	-1396.80	3.00	10.55	-0.14	0.00
686	STL ENV_STR(all)		281	-109.42	634.77	-2.06	-9.05	0.94	0.00
686	STL ENV_STR(all)		711	-183.64	1381.92	-3.00	-8.49	-1.67	0.00
687	STL ENV_STR(all)		711	142.22	-503.85	1.71	8.69	-1.05	0.00
687	STL ENV_STR(all)		281	127.89	-1220.61	2.85	8.12	0.21	0.00
687	STL ENV_STR(all)		149	-100.25	518.24	-1.67	-7.15	0.92	0.00
687	STL ENV_STR(all)		672	-169.87	1206.21	-2.61	-6.65	-1.49	0.00
688	STL ENV_STR(all)		671	56.32	-1096.32	3.08	14.53	-0.31	0.00
688	STL ENV_STR(all)		282	7.28	-1266.63	3.56	13.01	-0.91	0.00
688	STL ENV_STR(all)		283	-6.69	1101.22	-3.20	-10.56	0.78	0.00
688	STL ENV_STR(all)		712	-56.91	1261.74	-3.17	-9.02	0.07	0.00
689	STL ENV_STR(all)		712	51.99	-943.96	2.61	11.99	-0.15	0.00
689	STL ENV_STR(all)		283	6.69	-1101.22	3.20	10.56	-0.78	0.00
689	STL ENV_STR(all)		284	-6.17	948.62	-2.79	-8.56	0.72	0.00
689	STL ENV_STR(all)		713	-52.51	1096.55	-2.75	-7.23	0.04	0.00
690	STL ENV_STR(all)		713	47.88	-803.50	2.36	9.77	-0.21	0.00
690	STL ENV_STR(all)		284	6.17	-948.62	2.79	8.56	-0.72	0.00
690	STL ENV_STR(all)		150	-5.66	808.08	-2.46	-6.51	0.66	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
690	STL ENV_STR(all)		674	-48.38	944.05	-2.42	-5.32	-0.03	0.00
691	STL ENV_STR(all)		673	117.28	-303.75	1.25	4.78	-0.96	0.00
691	STL ENV_STR(all)		285	108.68	-905.33	2.11	4.41	0.13	0.00
691	STL ENV_STR(all)		286	-82.02	317.81	-1.17	-3.41	0.76	0.00
691	STL ENV_STR(all)		714	-143.94	891.27	-1.93	-3.06	-1.32	0.00
692	STL ENV_STR(all)		714	104.82	-220.15	1.06	3.05	-0.93	0.00
692	STL ENV_STR(all)		286	99.42	-765.22	1.77	2.77	0.11	0.00
692	STL ENV_STR(all)		287	-72.92	234.19	-0.95	-1.78	0.69	0.00
692	STL ENV_STR(all)		715	-131.32	751.19	-1.61	-1.52	-1.26	0.00
693	STL ENV_STR(all)		715	92.33	-147.69	0.85	1.46	-0.89	0.00
693	STL ENV_STR(all)		287	90.25	-636.48	1.46	1.25	0.14	0.00
693	STL ENV_STR(all)		151	-63.79	161.74	-0.75	-0.34	0.64	0.00
693	STL ENV_STR(all)		676	-118.79	622.42	-1.29	-0.16	-1.22	0.00
694	STL ENV_STR(all)		675	40.01	-557.11	1.73	5.66	-0.15	0.00
694	STL ENV_STR(all)		288	5.18	-679.16	2.12	4.66	-0.60	0.00
694	STL ENV_STR(all)		289	-4.70	561.67	-1.80	-2.94	0.55	0.00
694	STL ENV_STR(all)		716	-40.48	674.60	-1.77	-1.97	-0.02	0.00
695	STL ENV_STR(all)		716	36.13	-450.91	1.44	3.82	-0.12	0.00
695	STL ENV_STR(all)		289	4.70	-561.67	1.80	2.94	-0.55	0.00
695	STL ENV_STR(all)		290	-4.23	455.49	-1.50	-1.38	0.48	0.00
695	STL ENV_STR(all)		717	-36.61	557.09	-1.47	-0.53	-0.02	0.00
696	STL ENV_STR(all)		717	32.28	-355.97	1.19	2.15	-0.10	0.00
696	STL ENV_STR(all)		290	4.23	-455.49	1.50	1.38	-0.48	0.00
696	STL ENV_STR(all)		152	-3.75	360.58	-1.23	0.01	0.42	0.00
696	STL ENV_STR(all)		678	-32.75	450.87	-1.20	0.75	-0.03	0.00
697	STL ENV_STR(all)		677	67.11	-36.57	0.55	-1.23	-0.88	0.00
697	STL ENV_STR(all)		291	72.05	-412.62	0.90	-1.25	0.20	0.00
697	STL ENV_STR(all)		292	-45.25	50.81	-0.46	2.10	0.52	0.00
697	STL ENV_STR(all)		718	-93.90	398.38	-0.72	2.09	-1.19	0.00
698	STL ENV_STR(all)		718	54.17	1.77	0.46	-2.35	-0.82	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
698	STL ENV_STR(all)		292	62.97	-317.28	0.65	-2.23	0.19	0.00
698	STL ENV_STR(all)		293	-35.66	12.71	-0.36	3.15	0.38	0.00
698	STL ENV_STR(all)		719	-81.47	302.79	-0.48	2.97	-1.12	0.00
699	STL ENV_STR(all)		719	41.00	28.29	0.38	-3.38	-0.59	0.00
699	STL ENV_STR(all)		293	53.74	-232.90	0.46	-3.01	0.10	0.00
699	STL ENV_STR(all)		153	-26.02	-13.40	-0.27	4.17	0.08	0.00
699	STL ENV_STR(all)		680	-68.71	218.02	-0.30	3.72	-0.88	0.00
700	STL ENV_STR(all)		679	24.52	-199.96	0.76	-0.73	-0.06	0.00
700	STL ENV_STR(all)		294	3.28	-276.95	0.97	-1.25	-0.36	0.00
700	STL ENV_STR(all)		295	-2.79	204.67	-0.75	2.34	0.29	0.00
700	STL ENV_STR(all)		720	-25.01	272.24	-0.72	2.80	-0.06	0.00
701	STL ENV_STR(all)		720	20.56	-139.12	0.58	-2.00	-0.00	0.00
701	STL ENV_STR(all)		295	2.79	-204.67	0.75	-2.34	-0.29	0.00
701	STL ENV_STR(all)		296	-2.29	143.95	-0.53	3.31	0.21	0.00
701	STL ENV_STR(all)		721	-21.07	199.84	-0.53	3.58	-0.07	0.00
702	STL ENV_STR(all)		721	16.51	-89.98	0.41	-3.24	0.12	0.00
702	STL ENV_STR(all)		296	2.29	-143.95	0.53	-3.31	-0.21	0.00
702	STL ENV_STR(all)		154	-1.77	95.07	-0.31	4.17	0.08	0.00
702	STL ENV_STR(all)		682	-17.03	138.86	-0.36	4.13	-0.07	0.00
703	STL ENV_STR(all)		681	17.42	45.30	-0.06	-5.04	0.43	0.00
703	STL ENV_STR(all)		297	33.00	-100.27	0.35	-4.23	0.02	0.00
703	STL ENV_STR(all)		298	-11.55	-30.81	0.26	5.06	-0.16	0.00
703	STL ENV_STR(all)		722	-38.87	85.79	-0.28	4.37	0.15	0.00
704	STL ENV_STR(all)		722	8.82	37.49	-0.57	-4.70	-0.63	0.00
704	STL ENV_STR(all)		298	23.43	-56.82	0.13	-4.95	0.99	0.00
704	STL ENV_STR(all)		299	-5.22	-27.05	0.71	2.40	1.57	0.00
704	STL ENV_STR(all)		723	-27.03	46.37	0.01	3.18	-0.66	0.00
705	STL ENV_STR(all)		723	-6.00	20.81	0.28	-1.52	-4.64	0.00
705	STL ENV_STR(all)		299	21.66	-24.80	-1.04	-4.47	1.31	0.00
705	STL ENV_STR(all)		155	13.56	-15.91	-1.31	-1.94	1.21	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
705	STL ENV_STR(all)		724	-29.22	19.90	2.34	2.06	-4.33	0.00
706	STL ENV_STR(all)		683	9.36	-25.16	0.02	-5.17	0.19	0.00
706	STL ENV_STR(all)		300	1.34	-57.85	0.06	-4.75	0.09	0.00
706	STL ENV_STR(all)		301	-1.36	30.03	0.15	4.36	-0.22	0.00
706	STL ENV_STR(all)		725	-9.34	52.98	0.03	4.00	-0.03	0.00
707	STL ENV_STR(all)		725	6.97	-6.56	-0.11	-4.24	-0.43	0.00
707	STL ENV_STR(all)		301	1.36	-30.03	-0.15	-4.36	0.22	0.00
707	STL ENV_STR(all)		302	-0.80	8.36	0.22	2.53	-0.17	0.00
707	STL ENV_STR(all)		726	-7.53	28.23	0.31	2.95	0.11	0.00
708	STL ENV_STR(all)		726	2.41	0.02	-0.03	-1.44	-1.15	0.00
708	STL ENV_STR(all)		302	0.80	-8.36	-0.22	-2.53	0.17	0.00
708	STL ENV_STR(all)		42	0.00	0.00	-0.00	0.00	-0.00	0.00
708	STL ENV_STR(all)		727	-3.22	8.34	0.52	1.32	0.03	0.00
709	STL ENV_STR(all)		1	1610.38	372.79	-23.74	-78.79	-434.28	0.00
709	STL ENV_STR(all)		728	-1210.42	-165.76	-149.23	-230.14	143.31	0.00
709	STL ENV_STR(all)		1513	-1144.70	-394.24	-37.81	-218.29	321.74	0.00
709	STL ENV_STR(all)		1512	744.74	187.20	211.54	-78.77	-501.21	0.00
710	STL ENV_STR(all)		730	183.09	-96.45	383.50	-94.33	246.70	0.00
710	STL ENV_STR(all)		731	-320.53	69.36	72.25	555.19	-26.16	0.00
710	STL ENV_STR(all)		1515	-200.73	122.69	-64.06	918.59	-282.85	0.00
710	STL ENV_STR(all)		1514	338.17	-95.60	-390.93	214.46	83.45	0.00
711	STL ENV_STR(all)		733	-535.78	-603.86	-485.82	-772.17	313.15	0.00
711	STL ENV_STR(all)		732	-430.80	742.09	152.06	-1006.88	13.75	0.00
711	STL ENV_STR(all)		1517	462.48	611.62	408.89	9.21	250.41	0.00
711	STL ENV_STR(all)		1516	504.10	-749.86	-74.36	603.64	824.10	0.00
712	STL ENV_STR(all)		736	-215.01	-31.57	-199.03	-321.39	247.90	0.00
712	STL ENV_STR(all)		737	-421.24	864.20	137.11	-362.34	14.98	0.00
712	STL ENV_STR(all)		1519	280.05	26.55	182.57	131.66	68.93	0.00
712	STL ENV_STR(all)		1518	356.19	-859.18	-119.89	335.41	466.90	0.00
713	STL ENV_STR(all)		740	-254.78	511.91	-9.59	67.71	-87.60	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
713	STL ENV_STR(all)		741	-245.17	1583.84	-15.09	48.91	85.48	0.00
713	STL ENV_STR(all)		742	296.82	-584.13	28.45	-130.07	97.10	0.00
713	STL ENV_STR(all)		743	203.13	-1511.62	-2.68	-109.30	-62.11	0.00
714	STL ENV_STR(all)		744	-158.87	1297.40	-219.40	844.82	-1008.42	0.00
714	STL ENV_STR(all)		745	36.34	1652.90	40.99	426.12	1094.84	0.00
714	STL ENV_STR(all)		1294	174.07	-1407.92	199.28	-1339.91	1367.53	0.00
714	STL ENV_STR(all)		1293	-51.54	-1542.38	9.81	-889.84	-890.91	0.00
715	STL ENV_STR(all)		748	25.59	1566.40	-4.08	-446.97	163.21	0.00
715	STL ENV_STR(all)		749	263.13	840.35	2.46	307.28	130.11	0.00
715	STL ENV_STR(all)		750	-82.28	-1590.80	48.56	369.47	-104.77	0.00
715	STL ENV_STR(all)		751	-206.45	-815.95	-7.05	-331.87	-115.48	0.00
716	STL ENV_STR(all)		2	743.90	534.31	165.51	79.60	-768.05	0.00
716	STL ENV_STR(all)		729	3.24	-465.43	-137.57	126.00	462.96	0.00
716	STL ENV_STR(all)		1521	-774.23	-580.68	-138.81	-7.23	352.12	0.00
716	STL ENV_STR(all)		1520	27.09	511.81	111.63	-101.20	-740.87	0.00
717	STL ENV_STR(all)		3	824.09	1323.63	76.62	58.52	-382.73	0.00
717	STL ENV_STR(all)		753	486.31	-500.21	-54.01	79.05	235.92	0.00
717	STL ENV_STR(all)		1523	-744.97	-1334.28	-75.50	-4.52	200.39	0.00
717	STL ENV_STR(all)		1522	-565.43	510.85	53.65	-53.91	-379.61	0.00
718	STL ENV_STR(all)		4	438.45	2512.13	-11.05	67.69	171.40	0.00
718	STL ENV_STR(all)		755	806.77	-16.58	63.56	53.19	-40.02	0.00
718	STL ENV_STR(all)		756	-281.39	-2473.49	85.88	46.75	-19.38	0.00
718	STL ENV_STR(all)		47	-963.83	-22.06	-137.31	96.19	258.09	0.00
719	STL ENV_STR(all)		5	-526.34	2233.13	-1597.64	33.13	4030.24	0.00
719	STL ENV_STR(all)		757	557.47	1867.32	1666.03	333.78	171.20	0.00
719	STL ENV_STR(all)		1296	472.38	-1925.43	1698.50	-8.20	-64.09	0.00
719	STL ENV_STR(all)		1295	-503.51	-2175.02	-1736.21	-67.86	4233.94	0.00
720	STL ENV_STR(all)		6	-498.88	446.02	46.86	1.74	-247.96	0.00
720	STL ENV_STR(all)		759	-109.73	2023.45	-109.06	-169.12	-12.87	0.00
720	STL ENV_STR(all)		760	412.78	-441.68	-55.74	-243.30	246.78	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
720	STL ENV_STR(all)		183	195.82	-2027.79	157.82	-91.48	-439.94	0.00
721	STL ENV_STR(all)		735	-96.94	-149.72	312.23	778.03	-163.18	0.00
721	STL ENV_STR(all)		734	-373.92	486.53	89.91	608.47	-11.23	0.00
721	STL ENV_STR(all)		1525	108.69	172.44	-172.07	61.76	53.74	0.00
721	STL ENV_STR(all)		1524	362.17	-509.25	-229.31	-41.14	-84.93	0.00
722	STL ENV_STR(all)		739	-356.46	214.34	-53.57	170.38	-84.36	0.00
722	STL ENV_STR(all)		738	-335.98	1199.87	-67.35	-46.39	-76.37	0.00
722	STL ENV_STR(all)		1527	391.21	-230.53	42.94	-354.42	85.64	0.00
722	STL ENV_STR(all)		1526	301.24	-1183.67	78.74	-193.88	13.15	0.00
723	STL ENV_STR(all)		743	-95.17	901.35	74.81	160.04	79.89	0.00
723	STL ENV_STR(all)		742	-153.57	1571.36	146.34	71.43	-45.28	0.00
723	STL ENV_STR(all)		1286	106.52	-1024.32	-51.51	376.09	48.61	0.00
723	STL ENV_STR(all)		1285	142.22	-1448.38	-135.90	519.08	112.00	0.00
724	STL ENV_STR(all)		747	-77.48	1482.16	187.20	112.31	-448.91	0.00
724	STL ENV_STR(all)		746	199.86	1301.30	-33.88	364.92	351.81	0.00
724	STL ENV_STR(all)		1298	54.72	-1546.30	-163.71	332.58	51.54	0.00
724	STL ENV_STR(all)		1297	-177.09	-1237.15	41.07	-82.23	-487.95	0.00
725	STL ENV_STR(all)		43	1209.66	634.87	-30.17	-315.91	-341.40	0.00
725	STL ENV_STR(all)		752	-192.92	-631.40	-203.54	-255.28	113.24	0.00
725	STL ENV_STR(all)		1529	-975.73	-792.05	11.49	-120.45	99.39	0.00
725	STL ENV_STR(all)		1528	-41.02	788.59	222.98	-127.31	-353.82	0.00
726	STL ENV_STR(all)		45	662.46	1639.61	-60.85	11.29	-90.81	0.00
726	STL ENV_STR(all)		754	631.65	-202.05	-12.84	92.58	189.30	0.00
726	STL ENV_STR(all)		1531	-625.60	-1609.54	51.60	-144.15	89.39	0.00
726	STL ENV_STR(all)		1530	-668.51	171.99	22.85	-217.37	-93.29	0.00
727	STL ENV_STR(all)		47	-85.07	2815.20	-237.63	-98.40	576.22	0.00
727	STL ENV_STR(all)		756	1041.78	462.66	218.52	39.56	41.32	0.00
727	STL ENV_STR(all)		1209	493.72	-2566.83	288.63	66.59	-98.07	0.00
727	STL ENV_STR(all)		1208	-1450.42	-711.03	-235.78	-198.47	703.59	0.00
728	STL ENV_STR(all)		49	-650.01	1024.57	-522.25	-411.01	1850.54	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
728	STL ENV_STR(all)		758	92.63	2114.50	269.07	-768.39	-1082.96	0.00
728	STL ENV_STR(all)		1300	543.25	-998.60	329.59	-208.16	-742.46	0.00
728	STL ENV_STR(all)		1299	14.13	-2140.48	-45.74	77.28	1438.21	0.00
729	STL ENV_STR(all)		761	653.50	124.57	-93.85	353.76	-78.67	0.00
729	STL ENV_STR(all)		762	-479.06	-105.19	267.82	-296.37	-26.32	0.00
729	STL ENV_STR(all)		1533	-558.51	-138.63	-141.88	-25.94	309.82	0.00
729	STL ENV_STR(all)		1532	384.07	119.25	-31.34	576.55	107.04	0.00
730	STL ENV_STR(all)		765	813.56	-128.65	100.51	-326.26	-78.82	0.00
730	STL ENV_STR(all)		766	-1086.50	241.57	-147.59	112.58	143.42	0.00
730	STL ENV_STR(all)		1535	-580.47	140.34	67.64	222.08	79.31	0.00
730	STL ENV_STR(all)		1534	853.41	-253.26	-19.81	-173.74	-342.44	0.00
731	STL ENV_STR(all)		768	-157.25	-510.08	-161.22	-29.53	-277.28	0.00
731	STL ENV_STR(all)		767	-709.50	667.66	114.37	-167.30	431.97	0.00
731	STL ENV_STR(all)		1537	145.93	545.91	117.87	-129.23	516.21	0.00
731	STL ENV_STR(all)		1536	720.83	-703.49	-70.27	162.86	-88.94	0.00
732	STL ENV_STR(all)		771	-389.79	-320.86	-67.67	2.78	-105.22	0.00
732	STL ENV_STR(all)		772	-676.97	1165.33	86.29	-9.77	250.91	0.00
732	STL ENV_STR(all)		1539	456.79	328.06	50.44	-8.18	269.32	0.00
732	STL ENV_STR(all)		1538	609.97	-1172.53	-68.30	80.87	-73.04	0.00
733	STL ENV_STR(all)		775	-616.49	191.93	32.80	2.71	-88.69	0.00
733	STL ENV_STR(all)		776	-348.18	2195.41	-76.15	-18.55	-65.86	0.00
733	STL ENV_STR(all)		777	737.38	-266.38	-9.17	-80.07	12.57	0.00
733	STL ENV_STR(all)		778	227.30	-2120.97	53.61	-120.00	-71.07	0.00
734	STL ENV_STR(all)		779	-395.04	1601.39	495.93	929.41	-1398.96	0.00
734	STL ENV_STR(all)		780	307.08	1977.21	-514.57	311.27	-139.34	0.00
734	STL ENV_STR(all)		1302	359.33	-1802.64	-581.11	-858.17	-71.07	0.00
734	STL ENV_STR(all)		1301	-271.37	-1775.96	630.42	-533.10	-1165.82	0.00
735	STL ENV_STR(all)		764	605.59	726.18	109.60	-478.94	-220.16	0.00
735	STL ENV_STR(all)		763	314.04	-550.07	-218.24	-249.00	82.14	0.00
735	STL ENV_STR(all)		1541	-606.86	-737.60	-64.03	422.27	-174.88	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
735	STL ENV_STR(all)		1540	-312.77	561.49	173.43	-73.00	-395.30	0.00
736	STL ENV_STR(all)		785	542.23	1017.03	102.02	-130.90	-147.71	0.00
736	STL ENV_STR(all)		786	306.31	-170.46	-88.77	-103.00	-33.94	0.00
736	STL ENV_STR(all)		1543	-481.36	-1017.43	-100.33	216.45	-100.09	0.00
736	STL ENV_STR(all)		1542	-367.18	170.86	87.85	64.34	-192.76	0.00
737	STL ENV_STR(all)		789	290.05	1872.10	-48.95	-5.14	-54.83	0.00
737	STL ENV_STR(all)		790	424.28	366.26	-4.45	22.06	103.47	0.00
737	STL ENV_STR(all)		791	-194.98	-1794.67	14.83	-141.28	70.39	0.00
737	STL ENV_STR(all)		792	-519.35	-443.70	39.65	-141.92	-95.62	0.00
738	STL ENV_STR(all)		793	-146.96	1805.57	-63.99	421.60	-1038.25	0.00
738	STL ENV_STR(all)		794	268.39	1411.84	-47.64	996.93	1352.68	0.00
738	STL ENV_STR(all)		1304	139.11	-1654.34	158.54	-789.90	1184.64	0.00
738	STL ENV_STR(all)		1303	-260.54	-1563.07	-16.24	-1249.48	-1261.61	0.00
739	STL ENV_STR(all)		770	41.26	-431.66	12.79	-39.28	-152.79	0.00
739	STL ENV_STR(all)		769	-859.84	673.31	-113.61	-182.35	27.15	0.00
739	STL ENV_STR(all)		1545	76.94	472.62	41.93	-56.71	68.97	0.00
739	STL ENV_STR(all)		1544	741.64	-714.28	59.65	-74.88	-122.04	0.00
740	STL ENV_STR(all)		774	-566.29	-70.89	-47.56	165.76	-167.97	0.00
740	STL ENV_STR(all)		773	-588.49	1511.93	-7.20	-17.90	91.13	0.00
740	STL ENV_STR(all)		1547	609.66	104.63	35.80	-255.77	164.27	0.00
740	STL ENV_STR(all)		1546	545.12	-1545.67	19.71	-83.50	-15.87	0.00
741	STL ENV_STR(all)		778	-674.10	669.82	39.19	203.10	-64.40	0.00
741	STL ENV_STR(all)		777	14.16	2281.42	62.33	-1.49	8.48	0.00
741	STL ENV_STR(all)		1288	867.30	-829.84	15.52	-72.01	150.23	0.00
741	STL ENV_STR(all)		1287	-207.36	-2121.40	-83.30	341.26	59.86	0.00
742	STL ENV_STR(all)		782	-108.55	1848.78	341.41	-595.06	263.63	0.00
742	STL ENV_STR(all)		781	462.70	1205.34	-412.18	51.49	-797.58	0.00
742	STL ENV_STR(all)		1306	44.31	-1914.95	-168.22	391.11	-1001.74	0.00
742	STL ENV_STR(all)		1305	-398.46	-1139.16	269.66	-242.69	43.40	0.00
743	STL ENV_STR(all)		784	568.61	569.53	-49.72	161.93	8.57	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
743	STL ENV_STR(all)		783	58.97	-277.15	171.26	334.26	196.63	0.00
743	STL ENV_STR(all)		1549	-528.77	-601.29	-29.88	-68.48	189.54	0.00
743	STL ENV_STR(all)		1548	-98.81	308.92	-90.90	-2.61	-43.32	0.00
744	STL ENV_STR(all)		788	452.17	1375.59	-20.52	-56.35	-1.11	0.00
744	STL ENV_STR(all)		787	455.01	90.67	-64.22	184.04	123.85	0.00
744	STL ENV_STR(all)		1551	-416.70	-1360.62	52.24	-116.63	-18.92	0.00
744	STL ENV_STR(all)		1550	-490.48	-105.64	33.25	-308.00	-135.11	0.00
745	STL ENV_STR(all)		792	57.10	1888.88	149.22	53.37	-37.38	0.00
745	STL ENV_STR(all)		791	359.50	816.35	36.86	206.63	-24.64	0.00
745	STL ENV_STR(all)		1211	4.94	-1732.65	-158.53	481.83	-97.64	0.00
745	STL ENV_STR(all)		1210	-421.53	-972.58	6.19	192.75	-187.48	0.00
746	STL ENV_STR(all)		796	-311.49	1278.86	-190.63	291.49	11.37	0.00
746	STL ENV_STR(all)		795	97.25	1637.47	277.23	-219.02	251.18	0.00
746	STL ENV_STR(all)		1308	274.11	-1208.23	143.35	-145.24	358.98	0.00
746	STL ENV_STR(all)		1307	-59.87	-1708.09	-199.28	466.29	393.44	0.00
747	STL ENV_STR(all)		798	66.62	1864.33	-69.83	-320.45	159.43	0.00
747	STL ENV_STR(all)		797	427.05	594.27	28.88	159.03	145.82	0.00
747	STL ENV_STR(all)		801	-146.74	-1877.34	114.49	115.04	147.82	0.00
747	STL ENV_STR(all)		802	-346.92	-581.26	-33.67	-316.43	-151.18	0.00
748	STL ENV_STR(all)		803	163.49	1210.16	-85.91	-26.70	-263.26	0.00
748	STL ENV_STR(all)		804	167.72	337.73	95.44	101.59	534.02	0.00
748	STL ENV_STR(all)		805	-195.45	-1198.34	106.24	-4.78	505.98	0.00
748	STL ENV_STR(all)		806	-135.75	-349.54	-75.90	-117.72	-327.14	0.00
749	STL ENV_STR(all)		807	256.60	1390.54	-130.92	79.16	-757.49	0.00
749	STL ENV_STR(all)		808	227.55	116.11	140.54	139.28	1114.85	0.00
749	STL ENV_STR(all)		809	-291.68	-1374.18	150.37	-106.77	1116.18	0.00
749	STL ENV_STR(all)		810	-192.48	-132.47	-120.11	-159.41	-802.93	0.00
750	STL ENV_STR(all)		811	140.25	768.50	-81.82	54.19	-384.13	0.00
750	STL ENV_STR(all)		812	114.24	92.36	99.73	69.05	614.55	0.00
750	STL ENV_STR(all)		813	-162.51	-753.56	101.62	-56.20	611.47	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
750	STL ENV_STR(all)		814	-91.98	-107.30	-79.66	-69.55	-392.02	0.00
751	STL ENV_STR(all)		815	223.31	892.71	-122.36	122.64	-883.96	0.00
751	STL ENV_STR(all)		816	144.33	-82.68	140.54	129.66	1212.33	0.00
751	STL ENV_STR(all)		817	-245.74	-872.50	142.04	-123.54	1211.99	0.00
751	STL ENV_STR(all)		818	-121.89	62.48	-120.34	-129.92	-889.06	0.00
752	STL ENV_STR(all)		819	100.21	412.20	-80.44	55.84	-396.85	0.00
752	STL ENV_STR(all)		820	67.15	-37.12	99.87	61.11	623.02	0.00
752	STL ENV_STR(all)		821	-114.30	-397.59	100.36	-55.43	621.71	0.00
752	STL ENV_STR(all)		822	-53.06	22.50	-79.90	-60.73	-399.55	0.00
753	STL ENV_STR(all)		823	163.45	485.50	-120.39	120.26	-895.34	0.00
753	STL ENV_STR(all)		824	77.52	-160.38	139.95	123.24	1220.08	0.00
753	STL ENV_STR(all)		825	-177.25	-465.53	140.19	-119.67	1219.67	0.00
753	STL ENV_STR(all)		826	-63.73	140.41	-119.88	-122.62	-897.35	0.00
754	STL ENV_STR(all)		827	58.00	169.71	-80.82	51.53	-398.75	0.00
754	STL ENV_STR(all)		828	32.32	-75.49	100.81	59.01	628.16	0.00
754	STL ENV_STR(all)		829	-64.08	-158.89	101.31	-50.72	625.93	0.00
754	STL ENV_STR(all)		830	-26.23	64.68	-81.42	-58.92	-401.12	0.00
755	STL ENV_STR(all)		831	96.54	194.54	-120.56	117.79	-902.92	0.00
755	STL ENV_STR(all)		832	25.89	-139.98	141.08	122.09	1230.63	0.00
755	STL ENV_STR(all)		833	-101.58	-177.74	138.72	-116.89	1228.12	0.00
755	STL ENV_STR(all)		834	-20.85	123.18	-119.35	-119.09	-907.88	0.00
756	STL ENV_STR(all)		800	-346.05	727.73	12.92	259.26	-118.67	0.00
756	STL ENV_STR(all)		799	-38.82	1707.42	-32.82	-410.91	-189.47	0.00
756	STL ENV_STR(all)		835	276.29	-707.12	-18.07	-340.20	118.17	0.00
756	STL ENV_STR(all)		836	108.57	-1728.02	77.84	268.11	18.53	0.00
757	STL ENV_STR(all)		156	-254.41	0.24	163.28	161.45	-1495.74	0.00
757	STL ENV_STR(all)		837	-307.99	1480.58	-153.57	144.98	1097.91	0.00
757	STL ENV_STR(all)		838	217.73	-19.18	-142.50	-183.44	1127.82	0.00
757	STL ENV_STR(all)		192	344.67	-1461.64	172.67	-169.28	-1512.07	0.00
758	STL ENV_STR(all)		839	-198.37	228.85	117.82	116.43	-795.42	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
758	STL ENV_STR(all)		840	-208.28	1299.30	-108.35	25.15	482.88	0.00
758	STL ENV_STR(all)		841	164.91	-242.63	-97.92	-134.87	536.95	0.00
758	STL ENV_STR(all)		842	241.75	-1285.51	128.33	-55.41	-784.18	0.00
759	STL ENV_STR(all)		159	-155.57	-172.72	160.83	167.08	-1587.76	0.00
759	STL ENV_STR(all)		843	-268.44	951.71	-142.65	167.03	1211.67	0.00
759	STL ENV_STR(all)		844	133.06	149.96	-140.62	-167.24	1213.83	0.00
759	STL ENV_STR(all)		201	290.95	-928.94	162.32	-167.34	-1589.51	0.00
760	STL ENV_STR(all)		845	-130.42	5.96	120.17	94.93	-888.16	0.00
760	STL ENV_STR(all)		846	-180.38	830.94	-102.12	87.45	610.00	0.00
760	STL ENV_STR(all)		847	108.07	-23.43	-100.04	-95.41	615.26	0.00
760	STL ENV_STR(all)		848	202.72	-813.47	121.86	-88.92	-887.86	0.00
761	STL ENV_STR(all)		162	-78.79	-224.38	159.85	161.57	-1593.46	0.00
761	STL ENV_STR(all)		849	-198.61	518.79	-140.48	162.16	1220.34	0.00
761	STL ENV_STR(all)		850	65.11	201.72	-139.84	-161.35	1220.96	0.00
761	STL ENV_STR(all)		210	212.28	-496.14	160.35	-162.10	-1594.38	0.00
762	STL ENV_STR(all)		851	-73.55	-97.73	119.93	88.31	-896.79	0.00
762	STL ENV_STR(all)		852	-130.51	449.52	-100.44	86.37	622.10	0.00
762	STL ENV_STR(all)		853	59.62	80.50	-99.97	-87.91	623.59	0.00
762	STL ENV_STR(all)		854	144.44	-432.29	120.35	-85.82	-896.87	0.00
763	STL ENV_STR(all)		165	-17.93	-173.81	159.85	155.82	-1609.45	0.00
763	STL ENV_STR(all)		855	-118.62	201.25	-142.63	157.48	1231.38	0.00
763	STL ENV_STR(all)		856	14.16	153.06	-141.87	-162.65	1231.62	0.00
763	STL ENV_STR(all)		219	122.39	-180.51	164.52	-168.15	-1612.66	0.00
764	STL ENV_STR(all)		857	-30.62	-107.17	121.00	87.63	-904.55	0.00
764	STL ENV_STR(all)		858	-76.12	183.61	-100.57	82.15	626.47	0.00
764	STL ENV_STR(all)		859	25.08	93.41	-100.80	-86.20	630.31	0.00
764	STL ENV_STR(all)		860	81.67	-169.85	120.24	-79.99	-904.04	0.00
765	STL ENV_STR(all)		751	96.78	1513.42	-58.89	-318.45	88.07	0.00
765	STL ENV_STR(all)		750	232.36	664.34	53.66	223.67	252.52	0.00
765	STL ENV_STR(all)		861	-145.41	-1519.64	89.17	227.82	108.22	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
765	STL ENV_STR(all)		862	-183.72	-658.13	-44.05	-264.78	-146.70	0.00
766	STL ENV_STR(all)		862	138.15	1426.81	-79.22	-191.04	-54.19	0.00
766	STL ENV_STR(all)		861	205.00	531.79	77.95	163.58	378.49	0.00
766	STL ENV_STR(all)		863	-179.11	-1423.46	103.52	116.69	291.92	0.00
766	STL ENV_STR(all)		864	-164.04	-535.14	-62.38	-200.03	-217.50	0.00
767	STL ENV_STR(all)		864	157.44	1322.59	-85.40	-91.98	-176.08	0.00
767	STL ENV_STR(all)		863	184.30	425.87	90.10	125.13	472.15	0.00
767	STL ENV_STR(all)		804	-193.10	-1313.85	106.72	41.65	422.21	0.00
767	STL ENV_STR(all)		803	-148.64	-434.61	-71.54	-150.70	-281.05	0.00
768	STL ENV_STR(all)		183	-404.65	294.46	124.45	88.41	-870.30	0.00
768	STL ENV_STR(all)		760	-209.14	1891.04	-151.97	-17.98	489.52	0.00
768	STL ENV_STR(all)		865	338.35	-296.00	-112.47	-221.18	652.97	0.00
768	STL ENV_STR(all)		185	275.44	-1889.50	179.87	-129.33	-974.98	0.00
769	STL ENV_STR(all)		185	-339.30	171.77	150.58	126.21	-1211.20	0.00
769	STL ENV_STR(all)		865	-267.82	1758.53	-159.98	67.91	805.12	0.00
769	STL ENV_STR(all)		866	286.15	-180.87	-133.08	-205.24	901.03	0.00
769	STL ENV_STR(all)		187	320.97	-1749.44	182.36	-154.06	-1269.20	0.00
770	STL ENV_STR(all)		187	-291.26	75.34	161.01	151.13	-1397.86	0.00
770	STL ENV_STR(all)		866	-297.69	1620.82	-158.00	118.03	991.69	0.00
770	STL ENV_STR(all)		837	247.69	-90.41	-140.85	-192.27	1046.33	0.00
770	STL ENV_STR(all)		156	341.25	-1605.75	177.71	-164.12	-1428.95	0.00
771	STL ENV_STR(all)		802	163.82	1760.50	-114.42	-152.33	-214.79	0.00
771	STL ENV_STR(all)		801	350.19	426.10	92.34	152.40	583.37	0.00
771	STL ENV_STR(all)		867	-225.65	-1761.84	146.75	12.51	591.66	0.00
771	STL ENV_STR(all)		868	-288.35	-424.76	-84.80	-257.12	-419.47	0.00
772	STL ENV_STR(all)		868	219.77	1644.67	-131.91	-35.24	-476.69	0.00
772	STL ENV_STR(all)		867	295.91	297.85	125.22	147.04	861.63	0.00
772	STL ENV_STR(all)		869	-269.01	-1637.87	154.76	-49.40	865.71	0.00
772	STL ENV_STR(all)		870	-246.67	-304.64	-108.20	-210.41	-607.71	0.00
773	STL ENV_STR(all)		870	247.14	1519.99	-133.01	36.03	-651.51	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
773	STL ENV_STR(all)		869	257.24	196.70	136.06	142.52	1022.74	0.00
773	STL ENV_STR(all)		808	-288.05	-1507.34	153.72	-86.59	1025.70	0.00
773	STL ENV_STR(all)		807	-216.33	-209.35	-116.89	-179.74	-729.36	0.00
774	STL ENV_STR(all)		806	162.15	1095.46	-84.92	13.38	-319.29	0.00
774	STL ENV_STR(all)		805	153.19	262.57	98.01	87.37	572.36	0.00
774	STL ENV_STR(all)		871	-191.25	-1081.95	104.80	-31.47	556.74	0.00
774	STL ENV_STR(all)		872	-124.09	-276.08	-78.02	-96.47	-357.13	0.00
775	STL ENV_STR(all)		872	156.76	982.28	-83.65	36.14	-353.33	0.00
775	STL ENV_STR(all)		871	139.68	197.64	99.07	78.56	594.82	0.00
775	STL ENV_STR(all)		873	-183.39	-967.90	103.44	-45.90	586.09	0.00
775	STL ENV_STR(all)		874	-113.05	-212.02	-78.98	-83.23	-375.41	0.00
776	STL ENV_STR(all)		874	149.12	872.86	-82.60	48.29	-373.04	0.00
776	STL ENV_STR(all)		873	126.76	141.24	99.55	72.92	607.55	0.00
776	STL ENV_STR(all)		812	-173.51	-858.08	102.37	-53.07	602.51	0.00
776	STL ENV_STR(all)		811	-102.38	-156.02	-79.44	-74.89	-386.04	0.00
777	STL ENV_STR(all)		810	255.24	1260.55	-127.79	102.55	-819.81	0.00
777	STL ENV_STR(all)		809	203.15	50.98	141.28	136.43	1164.81	0.00
777	STL ENV_STR(all)		875	-286.05	-1242.09	147.19	-117.19	1165.40	0.00
777	STL ENV_STR(all)		876	-172.34	-69.44	-120.81	-146.84	-845.56	0.00
778	STL ENV_STR(all)		876	247.61	1133.13	-125.35	114.81	-854.68	0.00
778	STL ENV_STR(all)		875	181.88	-2.39	141.24	134.00	1191.52	0.00
778	STL ENV_STR(all)		877	-275.12	-1113.61	144.78	-121.85	1191.56	0.00
778	STL ENV_STR(all)		878	-154.37	-17.13	-120.79	-138.78	-869.33	0.00
779	STL ENV_STR(all)		878	236.44	1010.18	-123.56	120.47	-873.79	0.00
779	STL ENV_STR(all)		877	162.52	-46.46	140.85	131.73	1205.30	0.00
779	STL ENV_STR(all)		816	-261.24	-990.17	143.14	-123.50	1205.09	0.00
779	STL ENV_STR(all)		815	-137.73	26.45	-120.56	-133.55	-882.22	0.00
780	STL ENV_STR(all)		814	130.69	669.91	-81.27	56.60	-390.23	0.00
780	STL ENV_STR(all)		813	102.00	50.41	99.81	66.23	618.36	0.00
780	STL ENV_STR(all)		879	-150.91	-654.94	101.09	-57.14	616.30	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
780	STL ENV_STR(all)		880	-81.78	-65.38	-79.76	-65.97	-395.35	0.00
781	STL ENV_STR(all)		880	120.75	577.49	-80.88	57.15	-393.61	0.00
781	STL ENV_STR(all)		879	90.01	15.02	99.84	64.06	620.50	0.00
781	STL ENV_STR(all)		881	-138.96	-562.56	100.74	-57.00	618.95	0.00
781	STL ENV_STR(all)		882	-71.81	-29.94	-79.82	-63.52	-397.26	0.00
782	STL ENV_STR(all)		882	110.58	491.50	-80.61	56.75	-395.57	0.00
782	STL ENV_STR(all)		881	78.34	-14.07	99.86	62.39	621.86	0.00
782	STL ENV_STR(all)		820	-126.76	-476.68	100.47	-56.30	620.53	0.00
782	STL ENV_STR(all)		819	-62.16	-0.75	-79.85	-61.79	-398.54	0.00
783	STL ENV_STR(all)		818	209.11	781.25	-121.57	122.93	-889.36	0.00
783	STL ENV_STR(all)		817	126.84	-111.85	140.30	127.73	1215.88	0.00
783	STL ENV_STR(all)		883	-229.37	-760.99	141.34	-122.85	1215.50	0.00
783	STL ENV_STR(all)		884	-106.59	91.59	-120.19	-127.31	-892.66	0.00
784	STL ENV_STR(all)		884	194.32	676.09	-121.03	122.37	-892.26	0.00
784	STL ENV_STR(all)		883	109.86	-134.37	140.14	126.01	1217.76	0.00
784	STL ENV_STR(all)		885	-212.47	-655.86	140.82	-121.82	1217.35	0.00
784	STL ENV_STR(all)		886	-91.71	114.14	-120.06	-125.29	-894.69	0.00
785	STL ENV_STR(all)		886	179.10	577.42	-120.68	121.33	-894.00	0.00
785	STL ENV_STR(all)		885	93.37	-150.50	140.01	124.44	1218.98	0.00
785	STL ENV_STR(all)		824	-195.12	-557.28	140.55	-120.78	1218.64	0.00
785	STL ENV_STR(all)		823	-77.35	130.36	-120.01	-123.86	-895.98	0.00
786	STL ENV_STR(all)		822	89.61	339.95	-80.32	54.80	-397.86	0.00
786	STL ENV_STR(all)		821	56.76	-54.42	99.92	60.34	624.22	0.00
786	STL ENV_STR(all)		887	-101.53	-325.71	100.19	-54.34	622.75	0.00
786	STL ENV_STR(all)		888	-44.84	40.18	-79.92	-60.01	-400.73	0.00
787	STL ENV_STR(all)		888	78.80	275.20	-80.39	53.47	-398.67	0.00
787	STL ENV_STR(all)		887	47.52	-66.39	100.01	59.83	625.79	0.00
787	STL ENV_STR(all)		889	-88.48	-261.63	100.49	-53.35	624.09	0.00
787	STL ENV_STR(all)		890	-37.85	52.82	-80.23	-60.06	-401.56	0.00
788	STL ENV_STR(all)		890	68.01	218.43	-80.45	52.85	-399.18	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
788	STL ENV_STR(all)		889	39.61	-73.39	100.42	59.82	627.18	0.00
788	STL ENV_STR(all)		828	-75.58	-206.01	100.30	-52.26	624.94	0.00
788	STL ENV_STR(all)		827	-32.04	60.97	-80.40	-59.02	-402.48	0.00
789	STL ENV_STR(all)		826	147.25	400.65	-120.36	118.88	-896.68	0.00
789	STL ENV_STR(all)		825	62.65	-164.14	139.86	122.07	1221.66	0.00
789	STL ENV_STR(all)		891	-158.64	-380.98	140.43	-118.92	1221.53	0.00
789	STL ENV_STR(all)		892	-51.26	144.47	-120.06	-122.34	-898.60	0.00
790	STL ENV_STR(all)		892	130.38	323.43	-120.17	118.14	-898.46	0.00
790	STL ENV_STR(all)		891	49.15	-161.91	139.99	121.80	1223.73	0.00
790	STL ENV_STR(all)		893	-139.27	-304.27	139.76	-117.85	1223.09	0.00
790	STL ENV_STR(all)		894	-40.27	142.75	-119.70	-121.38	-901.36	0.00
791	STL ENV_STR(all)		894	112.99	254.43	-120.93	116.18	-900.34	0.00
791	STL ENV_STR(all)		893	37.18	-153.76	140.12	120.82	1227.55	0.00
791	STL ENV_STR(all)		832	-119.32	-236.07	141.99	-117.74	1228.28	0.00
791	STL ENV_STR(all)		831	-30.85	135.40	-121.30	-123.38	-902.15	0.00
792	STL ENV_STR(all)		830	51.05	128.24	-82.36	55.80	-393.71	0.00
792	STL ENV_STR(all)		829	22.93	-72.20	103.51	56.66	625.45	0.00
792	STL ENV_STR(all)		895	-57.53	-119.73	103.62	-54.27	623.00	0.00
792	STL ENV_STR(all)		896	-16.45	63.68	-84.90	-50.15	-387.73	0.00
793	STL ENV_STR(all)		896	52.89	91.08	-75.85	64.56	-391.33	0.00
793	STL ENV_STR(all)		895	4.46	-63.01	102.20	41.63	601.87	0.00
793	STL ENV_STR(all)		897	-64.70	-85.75	88.82	-48.05	609.33	0.00
793	STL ENV_STR(all)		898	7.35	57.68	-75.29	-16.62	-392.80	0.00
794	STL ENV_STR(all)		898	60.15	42.42	-71.39	24.37	-389.18	0.00
794	STL ENV_STR(all)		897	-32.01	-34.71	96.91	23.73	602.82	0.00
794	STL ENV_STR(all)		899	-70.90	-38.10	98.48	8.24	624.72	0.00
794	STL ENV_STR(all)		900	42.75	30.40	-84.11	-20.26	-399.78	0.00
795	STL ENV_STR(all)		834	83.40	142.84	-123.95	112.45	-903.04	0.00
795	STL ENV_STR(all)		833	12.26	-120.74	141.96	120.08	1238.50	0.00
795	STL ENV_STR(all)		901	-88.21	-127.34	149.53	-115.72	1243.63	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
795	STL ENV_STR(all)		902	-7.45	105.24	-127.67	-129.50	-901.47	0.00
796	STL ENV_STR(all)		902	80.53	99.81	-128.12	132.56	-884.46	0.00
796	STL ENV_STR(all)		901	-10.25	-95.85	153.44	122.24	1232.43	0.00
796	STL ENV_STR(all)		903	-90.88	-86.25	146.95	-125.31	1215.83	0.00
796	STL ENV_STR(all)		904	20.60	82.29	-132.38	-94.88	-863.51	0.00
797	STL ENV_STR(all)		904	107.74	52.17	-96.18	137.16	-867.15	0.00
797	STL ENV_STR(all)		903	-70.83	-52.64	147.84	86.65	1139.37	0.00
797	STL ENV_STR(all)		905	-141.63	-42.89	94.47	-35.17	1175.24	0.00
797	STL ENV_STR(all)		906	104.72	43.37	-106.26	17.37	-891.64	0.00
798	STL ENV_STR(all)		836	-291.68	550.47	71.05	194.44	-387.68	0.00
798	STL ENV_STR(all)		835	-126.34	1632.19	-84.85	-246.89	31.09	0.00
798	STL ENV_STR(all)		907	236.01	-545.90	-62.84	-266.50	255.86	0.00
798	STL ENV_STR(all)		908	182.01	-1636.76	116.51	129.50	-312.24	0.00
799	STL ENV_STR(all)		908	-250.75	418.19	100.64	156.47	-587.45	0.00
799	STL ENV_STR(all)		907	-176.34	1532.57	-104.69	-118.52	233.24	0.00
799	STL ENV_STR(all)		909	205.57	-422.77	-84.71	-205.59	382.76	0.00
799	STL ENV_STR(all)		910	221.52	-1527.99	128.62	37.41	-545.75	0.00
800	STL ENV_STR(all)		910	-221.23	313.79	112.85	130.90	-716.88	0.00
800	STL ENV_STR(all)		909	-200.27	1419.32	-109.16	-30.11	383.90	0.00
800	STL ENV_STR(all)		840	183.00	-324.09	-93.96	-162.76	475.82	0.00
800	STL ENV_STR(all)		839	238.49	-1409.03	130.15	-21.39	-694.52	0.00
801	STL ENV_STR(all)		192	-224.61	-58.65	163.06	166.88	-1545.52	0.00
801	STL ENV_STR(all)		838	-306.09	1341.42	-149.25	158.62	1156.33	0.00
801	STL ENV_STR(all)		911	192.95	37.58	-142.33	-177.22	1172.24	0.00
801	STL ENV_STR(all)		194	337.75	-1320.35	168.39	-170.36	-1554.23	0.00
802	STL ENV_STR(all)		194	-199.25	-105.48	162.20	168.21	-1570.24	0.00
802	STL ENV_STR(all)		911	-296.98	1206.05	-146.17	164.75	1187.37	0.00
802	STL ENV_STR(all)		912	171.33	83.38	-141.66	-172.90	1195.65	0.00
802	STL ENV_STR(all)		196	324.90	-1183.94	165.50	-170.07	-1574.98	0.00
803	STL ENV_STR(all)		196	-176.61	-143.00	161.42	168.14	-1582.15	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
803	STL ENV_STR(all)		912	-283.82	1075.91	-144.02	166.91	1203.51	0.00
803	STL ENV_STR(all)		843	151.63	120.43	-141.07	-169.70	1207.74	0.00
803	STL ENV_STR(all)		159	308.80	-1053.34	163.55	-168.81	-1584.91	0.00
804	STL ENV_STR(all)		842	-179.11	158.33	119.67	107.28	-841.27	0.00
804	STL ENV_STR(all)		841	-207.09	1177.58	-106.44	57.36	543.61	0.00
804	STL ENV_STR(all)		913	149.19	-174.09	-99.41	-117.38	574.39	0.00
804	STL ENV_STR(all)		914	237.01	-1161.82	126.07	-74.07	-835.74	0.00
805	STL ENV_STR(all)		914	-161.83	98.94	120.16	101.64	-866.84	0.00
805	STL ENV_STR(all)		913	-200.68	1057.67	-104.54	74.84	579.14	0.00
805	STL ENV_STR(all)		915	134.78	-115.73	-99.91	-106.58	596.25	0.00
805	STL ENV_STR(all)		916	227.73	-1040.88	124.16	-83.43	-864.35	0.00
806	STL ENV_STR(all)		916	-145.75	48.57	120.24	97.75	-880.78	0.00
806	STL ENV_STR(all)		915	-191.34	941.71	-103.12	83.62	599.09	0.00
806	STL ENV_STR(all)		846	121.17	-65.84	-100.03	-99.80	608.53	0.00
806	STL ENV_STR(all)		845	215.92	-924.44	122.80	-87.59	-879.76	0.00
807	STL ENV_STR(all)		201	-135.46	-195.42	160.46	165.78	-1590.35	0.00
807	STL ENV_STR(all)		844	-251.87	833.74	-141.75	166.19	1215.77	0.00
807	STL ENV_STR(all)		917	115.19	172.59	-140.35	-165.25	1216.89	0.00
807	STL ENV_STR(all)		203	272.14	-810.91	161.51	-165.70	-1591.63	0.00
808	STL ENV_STR(all)		203	-115.98	-211.49	160.19	164.29	-1591.65	0.00
808	STL ENV_STR(all)		917	-234.62	722.16	-141.16	164.92	1217.90	0.00
808	STL ENV_STR(all)		918	97.86	188.67	-140.13	-163.64	1218.58	0.00
808	STL ENV_STR(all)		205	252.75	-699.34	160.97	-164.31	-1592.67	0.00
809	STL ENV_STR(all)		205	-97.04	-221.11	160.07	163.04	-1592.49	0.00
809	STL ENV_STR(all)		918	-216.88	617.12	-140.73	163.57	1219.15	0.00
809	STL ENV_STR(all)		849	81.08	198.35	-140.05	-162.31	1219.67	0.00
809	STL ENV_STR(all)		162	232.85	-594.37	160.59	-162.72	-1593.45	0.00
810	STL ENV_STR(all)		848	-115.57	-29.63	120.09	92.70	-892.07	0.00
810	STL ENV_STR(all)		847	-168.53	726.02	-101.44	88.62	615.85	0.00
810	STL ENV_STR(all)		919	95.34	12.10	-100.00	-92.42	618.93	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
810	STL ENV_STR(all)		920	188.77	-708.48	121.23	-88.83	-892.06	0.00
811	STL ENV_STR(all)		920	-101.10	-58.61	120.02	90.90	-894.21	0.00
811	STL ENV_STR(all)		919	-156.19	627.30	-100.97	88.42	619.01	0.00
811	STL ENV_STR(all)		921	82.93	41.10	-99.98	-90.33	621.00	0.00
811	STL ENV_STR(all)		922	174.36	-609.79	120.81	-88.04	-894.33	0.00
812	STL ENV_STR(all)		922	-87.03	-81.24	119.96	89.42	-895.58	0.00
812	STL ENV_STR(all)		921	-143.51	535.04	-100.65	87.56	620.85	0.00
812	STL ENV_STR(all)		852	70.94	63.83	-99.92	-88.84	622.41	0.00
812	STL ENV_STR(all)		851	159.60	-517.63	120.49	-87.04	-895.66	0.00
813	STL ENV_STR(all)		210	-61.53	-221.27	159.97	161.07	-1594.89	0.00
813	STL ENV_STR(all)		850	-179.64	427.47	-140.24	161.02	1221.61	0.00
813	STL ENV_STR(all)		923	50.30	198.85	-139.99	-160.66	1222.47	0.00
813	STL ENV_STR(all)		212	190.87	-405.05	160.14	-160.09	-1596.06	0.00
814	STL ENV_STR(all)		212	-45.67	-211.83	159.54	159.17	-1597.63	0.00
814	STL ENV_STR(all)		923	-159.72	343.60	-140.45	159.62	1224.02	0.00
814	STL ENV_STR(all)		924	37.12	189.70	-139.71	-160.69	1225.28	0.00
814	STL ENV_STR(all)		214	168.26	-321.46	160.50	-161.97	-1598.91	0.00
815	STL ENV_STR(all)		214	-31.29	-195.84	160.57	161.16	-1601.35	0.00
815	STL ENV_STR(all)		924	-139.13	267.95	-140.21	159.34	1226.64	0.00
815	STL ENV_STR(all)		855	25.27	174.46	-140.47	-160.42	1228.91	0.00
815	STL ENV_STR(all)		165	145.16	-246.56	159.99	-156.53	-1603.25	0.00
816	STL ENV_STR(all)		854	-60.97	-108.32	119.91	87.48	-898.25	0.00
816	STL ENV_STR(all)		853	-117.13	371.09	-100.34	85.08	623.27	0.00
816	STL ENV_STR(all)		925	49.34	91.44	-99.91	-87.39	625.01	0.00
816	STL ENV_STR(all)		926	128.76	-354.20	120.22	-84.92	-897.99	0.00
817	STL ENV_STR(all)		926	-49.69	-113.28	120.04	87.28	-900.15	0.00
817	STL ENV_STR(all)		925	-103.30	300.27	-100.32	83.73	624.44	0.00
817	STL ENV_STR(all)		927	40.46	96.99	-100.20	-87.42	626.65	0.00
817	STL ENV_STR(all)		928	112.53	-283.98	120.36	-83.31	-899.96	0.00
818	STL ENV_STR(all)		928	-39.86	-112.83	120.31	86.91	-902.87	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
818	STL ENV_STR(all)		927	-89.29	237.69	-100.75	82.54	625.57	0.00
818	STL ENV_STR(all)		858	32.91	97.58	-100.59	-87.56	627.63	0.00
818	STL ENV_STR(all)		857	96.24	-222.44	120.90	-83.41	-901.73	0.00
819	STL ENV_STR(all)		219	-2.27	-145.83	162.83	167.54	-1612.36	0.00
819	STL ENV_STR(all)		856	-103.37	145.14	-138.86	160.66	1236.54	0.00
819	STL ENV_STR(all)		929	-3.26	128.83	-137.22	-158.41	1247.60	0.00
819	STL ENV_STR(all)		221	108.89	-128.14	153.14	-143.83	-1610.34	0.00
820	STL ENV_STR(all)		221	22.49	-116.96	171.92	143.31	-1657.73	0.00
820	STL ENV_STR(all)		929	-95.08	94.10	-165.83	152.91	1230.24	0.00
820	STL ENV_STR(all)		930	-31.17	93.78	-185.54	-183.05	1195.55	0.00
820	STL ENV_STR(all)		223	103.77	-70.93	219.33	-203.67	-1695.36	0.00
821	STL ENV_STR(all)		223	96.32	-60.42	200.34	203.20	-1518.15	0.00
821	STL ENV_STR(all)		930	-130.29	44.97	-109.41	222.61	1161.62	0.00
821	STL ENV_STR(all)		931	-141.56	42.87	-94.39	35.61	1176.32	0.00
821	STL ENV_STR(all)		7	175.53	-27.42	43.34	-0.29	-1378.81	0.00
822	STL ENV_STR(all)		860	-19.21	-95.90	123.11	85.49	-908.21	0.00
822	STL ENV_STR(all)		859	-66.16	137.42	-104.08	81.36	622.17	0.00
822	STL ENV_STR(all)		932	13.73	84.01	-107.00	-88.03	614.95	0.00
822	STL ENV_STR(all)		933	71.65	-125.53	127.85	-84.73	-905.34	0.00
823	STL ENV_STR(all)		933	1.33	-79.29	128.04	80.74	-882.09	0.00
823	STL ENV_STR(all)		932	-66.70	98.53	-98.90	101.55	611.14	0.00
823	STL ENV_STR(all)		934	-13.09	70.97	-100.37	-42.62	605.00	0.00
823	STL ENV_STR(all)		935	78.46	-90.21	111.11	-80.04	-881.34	0.00
824	STL ENV_STR(all)		935	49.70	-44.13	117.57	36.92	-850.96	0.00
824	STL ENV_STR(all)		934	-83.50	49.39	-85.46	67.69	608.51	0.00
824	STL ENV_STR(all)		936	-70.86	38.08	-98.44	-7.90	625.48	0.00
824	STL ENV_STR(all)		937	104.66	-43.35	106.20	-17.78	-892.56	0.00
825	STL ENV_STR(all)		728	1087.07	242.21	-147.19	111.37	-143.31	0.00
825	STL ENV_STR(all)		761	-813.36	-129.12	99.91	-325.92	78.67	0.00
825	STL ENV_STR(all)		1532	-853.98	-253.88	-19.85	-172.82	341.49	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
825	STL ENV_STR(all)		1513	580.26	140.79	67.88	221.32	-79.94	0.00
826	STL ENV_STR(all)		731	479.29	-104.66	268.51	-296.51	26.16	0.00
826	STL ENV_STR(all)		765	-652.86	123.89	-94.17	355.24	78.82	0.00
826	STL ENV_STR(all)		1534	-384.30	118.72	-31.65	577.38	-107.67	0.00
826	STL ENV_STR(all)		1515	557.88	-137.95	-141.93	-26.82	-310.78	0.00
827	STL ENV_STR(all)		732	-313.80	-549.56	-218.24	-250.17	-81.15	0.00
827	STL ENV_STR(all)		768	-605.16	725.75	109.93	-478.79	220.48	0.00
827	STL ENV_STR(all)		1536	312.44	560.99	173.54	-71.41	394.87	0.00
827	STL ENV_STR(all)		1517	606.52	-737.18	-64.47	422.86	175.11	0.00
828	STL ENV_STR(all)		737	-305.65	-169.69	-87.84	-102.09	34.17	0.00
828	STL ENV_STR(all)		771	-542.35	1017.02	101.56	-127.87	147.64	0.00
828	STL ENV_STR(all)		1538	366.67	170.11	87.00	64.79	191.08	0.00
828	STL ENV_STR(all)		1519	481.33	-1017.45	-99.96	213.71	98.37	0.00
829	STL ENV_STR(all)		741	-423.57	361.18	-4.50	23.13	-109.24	0.00
829	STL ENV_STR(all)		775	-297.05	1879.29	-52.36	-2.70	57.48	0.00
829	STL ENV_STR(all)		778	516.19	-438.29	39.55	-149.39	97.36	0.00
829	STL ENV_STR(all)		742	204.44	-1802.18	18.39	-154.57	-77.78	0.00
830	STL ENV_STR(all)		745	-261.35	1413.69	-44.61	1009.51	-1362.27	0.00
830	STL ENV_STR(all)		779	140.44	1806.05	-64.89	423.09	1038.63	0.00
830	STL ENV_STR(all)		1301	256.36	-1564.59	-19.46	-1255.32	1265.74	0.00
830	STL ENV_STR(all)		1294	-135.44	-1655.16	159.64	-787.62	-1189.91	0.00
831	STL ENV_STR(all)		749	38.95	1709.09	-32.19	-413.25	190.71	0.00
831	STL ENV_STR(all)		798	346.58	727.39	12.46	262.49	118.29	0.00
831	STL ENV_STR(all)		802	-108.85	-1729.42	77.32	271.17	-21.18	0.00
831	STL ENV_STR(all)		750	-276.68	-707.07	-17.70	-343.00	-118.88	0.00
832	STL ENV_STR(all)		729	709.87	668.09	114.11	-167.67	-431.44	0.00
832	STL ENV_STR(all)		764	157.51	-510.56	-161.15	-28.56	278.05	0.00
832	STL ENV_STR(all)		1540	-721.14	-703.90	-69.93	162.69	88.93	0.00
832	STL ENV_STR(all)		1521	-146.24	546.37	117.73	-130.37	-516.46	0.00
833	STL ENV_STR(all)		753	676.86	1165.23	86.48	-11.67	-251.06	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
833	STL ENV_STR(all)		785	390.11	-321.31	-68.18	2.68	106.21	0.00
833	STL ENV_STR(all)		1542	-609.94	-1172.36	-68.34	82.60	72.43	0.00
833	STL ENV_STR(all)		1523	-457.02	328.44	50.80	-9.02	-270.90	0.00
834	STL ENV_STR(all)		755	342.56	2189.22	-73.71	-20.03	65.98	0.00
834	STL ENV_STR(all)		789	616.48	196.93	32.19	2.21	85.61	0.00
834	STL ENV_STR(all)		792	-219.99	-2114.68	51.00	-111.97	66.77	0.00
834	STL ENV_STR(all)		756	-739.04	-271.47	-8.40	-76.96	-13.36	0.00
835	STL ENV_STR(all)		757	-311.98	1976.20	-513.68	312.84	136.67	0.00
835	STL ENV_STR(all)		793	399.54	1601.07	493.99	920.81	1394.04	0.00
835	STL ENV_STR(all)		1303	274.31	-1774.83	629.31	-535.91	1164.95	0.00
835	STL ENV_STR(all)		1296	-361.87	-1802.43	-578.95	-853.50	71.89	0.00
836	STL ENV_STR(all)		759	-426.60	595.05	29.45	156.12	-147.41	0.00
836	STL ENV_STR(all)		800	-66.27	1862.69	-70.48	-317.64	-157.08	0.00
836	STL ENV_STR(all)		836	346.56	-581.70	-34.12	-313.66	151.42	0.00
836	STL ENV_STR(all)		760	146.31	-1876.04	115.03	111.85	-151.59	0.00
837	STL ENV_STR(all)		734	-58.68	-277.18	170.42	333.43	-196.86	0.00
837	STL ENV_STR(all)		770	-569.05	569.71	-50.25	160.15	-9.25	0.00
837	STL ENV_STR(all)		1544	98.53	308.96	-90.53	-4.28	43.07	0.00
837	STL ENV_STR(all)		1525	529.20	-601.48	-28.88	-68.99	-188.76	0.00
838	STL ENV_STR(all)		738	-454.25	92.30	-63.82	181.27	-121.55	0.00
838	STL ENV_STR(all)		774	-452.10	1375.91	-19.18	-57.57	0.79	0.00
838	STL ENV_STR(all)		1546	489.61	-107.13	33.23	-303.12	134.43	0.00
838	STL ENV_STR(all)		1527	416.75	-1361.09	50.52	-111.42	20.93	0.00
839	STL ENV_STR(all)		742	-347.69	814.95	42.43	213.21	25.97	0.00
839	STL ENV_STR(all)		778	-69.38	1889.44	153.18	66.29	38.11	0.00
839	STL ENV_STR(all)		1287	404.50	-972.09	2.66	210.88	187.50	0.00
839	STL ENV_STR(all)		1286	12.57	-1732.30	-164.53	496.70	96.60	0.00
840	STL ENV_STR(all)		746	-96.85	1640.14	278.34	-217.12	-253.46	0.00
840	STL ENV_STR(all)		782	312.32	1278.70	-191.35	293.29	-11.14	0.00
840	STL ENV_STR(all)		1305	59.49	-1710.40	-200.35	465.87	-393.78	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
840	STL ENV_STR(all)		1298	-274.96	-1208.45	144.03	-146.52	-361.10	0.00
841	STL ENV_STR(all)		752	859.50	673.06	-113.57	-181.64	-27.56	0.00
841	STL ENV_STR(all)		784	-41.21	-431.49	13.16	-39.22	152.91	0.00
841	STL ENV_STR(all)		1548	-741.27	-714.03	59.38	-74.86	122.81	0.00
841	STL ENV_STR(all)		1529	-77.02	472.46	41.79	-56.06	-69.21	0.00
842	STL ENV_STR(all)		754	588.44	1511.73	-8.16	-17.35	-91.17	0.00
842	STL ENV_STR(all)		788	566.78	-71.96	-47.48	167.67	170.01	0.00
842	STL ENV_STR(all)		1550	-545.04	-1545.22	20.99	-86.45	17.49	0.00
842	STL ENV_STR(all)		1531	-610.18	105.45	35.41	-258.42	-164.51	0.00
843	STL ENV_STR(all)		756	-21.34	2282.30	60.40	-9.34	-8.58	0.00
843	STL ENV_STR(all)		792	682.24	669.50	35.89	200.51	66.22	0.00
843	STL ENV_STR(all)		1210	217.04	-2123.19	-79.41	333.28	-59.64	0.00
843	STL ENV_STR(all)		1209	-877.94	-828.61	16.86	-82.49	-150.71	0.00
844	STL ENV_STR(all)		758	-461.94	1206.30	-411.29	50.42	795.97	0.00
844	STL ENV_STR(all)		796	109.33	1846.19	340.33	-595.67	-263.97	0.00
844	STL ENV_STR(all)		1307	397.63	-1139.66	268.85	-241.72	-44.01	0.00
844	STL ENV_STR(all)		1300	-45.02	-1912.83	-167.21	390.79	999.55	0.00
845	STL ENV_STR(all)		762	321.19	70.10	72.47	553.51	26.32	0.00
845	STL ENV_STR(all)		938	-182.82	-96.97	382.75	-94.41	-246.82	0.00
845	STL ENV_STR(all)		1552	-338.84	-96.38	-390.76	215.27	-84.30	0.00
845	STL ENV_STR(all)		1533	200.46	123.25	-63.71	917.69	282.23	0.00
846	STL ENV_STR(all)		766	1210.58	-165.38	-148.77	-230.67	-143.42	0.00
846	STL ENV_STR(all)		1	-1609.89	372.29	-24.14	-77.91	434.44	0.00
846	STL ENV_STR(all)		1512	-744.91	186.79	211.38	-78.02	500.67	0.00
846	STL ENV_STR(all)		1535	1144.22	-393.70	-37.72	-219.17	-322.64	0.00
847	STL ENV_STR(all)		767	-2.97	-465.00	-137.70	125.25	-462.40	0.00
847	STL ENV_STR(all)		2	-743.57	533.89	165.71	80.21	768.80	0.00
847	STL ENV_STR(all)		1520	-27.38	511.39	111.84	-100.51	740.80	0.00
847	STL ENV_STR(all)		1537	773.92	-580.27	-139.09	-7.52	-352.33	0.00
848	STL ENV_STR(all)		772	-486.21	-500.04	-53.82	78.40	-234.83	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
848	STL ENV_STR(all)		3	-824.18	1323.67	76.51	59.61	382.80	0.00
848	STL ENV_STR(all)		1522	565.39	510.80	53.56	-52.82	378.35	0.00
848	STL ENV_STR(all)		1539	745.00	-1334.43	-75.49	-5.81	-200.78	0.00
849	STL ENV_STR(all)		776	-808.13	-21.59	64.76	52.81	39.54	0.00
849	STL ENV_STR(all)		4	-442.34	2517.63	-12.80	68.32	-173.72	0.00
849	STL ENV_STR(all)		47	964.44	-17.06	-138.70	96.90	-261.70	0.00
849	STL ENV_STR(all)		777	286.04	-2478.98	87.81	43.08	17.96	0.00
850	STL ENV_STR(all)		780	-555.86	1866.64	1667.44	339.22	-172.72	0.00
850	STL ENV_STR(all)		5	523.78	2234.33	-1598.75	29.14	-4035.74	0.00
850	STL ENV_STR(all)		1295	502.91	-2174.31	-1737.81	-71.40	-4235.89	0.00
850	STL ENV_STR(all)		1302	-470.82	-1926.67	1699.80	-4.62	66.31	0.00
851	STL ENV_STR(all)		763	431.32	742.52	151.71	-1006.77	-13.68	0.00
851	STL ENV_STR(all)		939	535.92	-604.35	-485.84	-770.74	-311.97	0.00
851	STL ENV_STR(all)		1553	-504.43	-750.29	-73.97	602.78	-823.63	0.00
851	STL ENV_STR(all)		1541	-462.81	612.12	408.85	7.27	-251.15	0.00
852	STL ENV_STR(all)		786	421.06	864.49	137.94	-367.69	-14.24	0.00
852	STL ENV_STR(all)		941	216.22	-32.69	-201.31	-324.48	-249.57	0.00
852	STL ENV_STR(all)		1554	-356.35	-859.51	-120.41	338.95	-471.94	0.00
852	STL ENV_STR(all)		1543	-280.93	27.71	184.54	131.47	-69.97	0.00
853	STL ENV_STR(all)		790	237.55	1575.57	-10.46	45.21	-79.91	0.00
853	STL ENV_STR(all)		943	255.49	516.86	-8.71	66.86	78.97	0.00
853	STL ENV_STR(all)		944	-192.58	-1502.75	-7.94	-89.51	50.07	0.00
853	STL ENV_STR(all)		791	-300.47	-589.67	28.19	-117.82	-92.91	0.00
854	STL ENV_STR(all)		794	-43.52	1652.92	42.40	420.72	-1090.05	0.00
854	STL ENV_STR(all)		945	167.59	1293.73	-224.66	826.90	990.55	0.00
854	STL ENV_STR(all)		1309	55.18	-1541.80	8.81	-892.68	879.22	0.00
854	STL ENV_STR(all)		1304	-179.25	-1404.85	204.12	-1332.82	-1358.45	0.00
855	STL ENV_STR(all)		769	192.84	-631.62	-203.62	-255.19	-113.10	0.00
855	STL ENV_STR(all)		43	-1209.93	635.14	-30.15	-316.17	341.13	0.00
855	STL ENV_STR(all)		1528	41.06	788.81	222.96	-127.46	353.54	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
855	STL ENV_STR(all)		1545	976.03	-792.32	11.57	-120.34	-98.96	0.00
856	STL ENV_STR(all)		773	-631.26	-201.49	-13.19	91.48	-187.81	0.00
856	STL ENV_STR(all)		45	-662.54	1639.52	-60.26	11.42	91.08	0.00
856	STL ENV_STR(all)		1530	668.05	171.65	23.27	-216.53	92.99	0.00
856	STL ENV_STR(all)		1547	625.76	-1609.68	50.94	-143.15	-88.32	0.00
857	STL ENV_STR(all)		777	-1037.58	463.94	220.56	38.48	-39.01	0.00
857	STL ENV_STR(all)		47	82.49	2813.93	-238.06	-94.69	-578.64	0.00
857	STL ENV_STR(all)		1208	1445.31	-713.33	-236.52	-194.13	-707.22	0.00
857	STL ENV_STR(all)		1288	-490.23	-2564.54	287.76	68.54	98.87	0.00
858	STL ENV_STR(all)		781	-91.55	2116.72	270.11	-768.82	1084.55	0.00
858	STL ENV_STR(all)		49	650.59	1022.97	-523.24	-410.76	-1854.09	0.00
858	STL ENV_STR(all)		1299	-15.08	-2142.20	-46.70	78.24	-1442.23	0.00
858	STL ENV_STR(all)		1306	-543.96	-997.49	330.50	-208.67	743.56	0.00
859	STL ENV_STR(all)		783	373.42	486.46	91.39	611.64	10.75	0.00
859	STL ENV_STR(all)		940	97.50	-149.94	313.62	780.51	162.08	0.00
859	STL ENV_STR(all)		1555	-361.77	-509.13	-231.70	-39.64	83.87	0.00
859	STL ENV_STR(all)		1549	-109.16	172.61	-172.55	64.68	-53.61	0.00
860	STL ENV_STR(all)		787	336.21	1199.67	-69.18	-44.03	75.93	0.00
860	STL ENV_STR(all)		942	357.55	212.32	-54.08	174.01	86.87	0.00
860	STL ENV_STR(all)		1556	-301.27	-1183.49	80.72	-201.22	-10.59	0.00
860	STL ENV_STR(all)		1551	-392.49	-228.50	43.29	-361.29	-86.58	0.00
861	STL ENV_STR(all)		791	135.96	1567.99	141.02	52.47	47.16	0.00
861	STL ENV_STR(all)		944	109.66	905.55	65.90	149.14	-81.28	0.00
861	STL ENV_STR(all)		1212	-115.32	-1445.72	-128.37	497.29	-116.86	0.00
861	STL ENV_STR(all)		1211	-130.30	-1027.81	-44.81	349.38	-47.67	0.00
862	STL ENV_STR(all)		795	-199.03	1300.61	-33.30	362.52	-350.09	0.00
862	STL ENV_STR(all)		946	77.43	1479.70	186.01	108.74	444.81	0.00
862	STL ENV_STR(all)		1310	176.32	-1236.24	40.56	-80.80	484.63	0.00
862	STL ENV_STR(all)		1308	-54.71	-1544.07	-162.59	333.97	-50.12	0.00
863	STL ENV_STR(all)		797	110.34	2024.93	-108.42	-172.28	16.46	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
863	STL ENV_STR(all)		6	499.14	444.87	46.23	4.30	245.02	0.00
863	STL ENV_STR(all)		183	-196.42	-2028.91	157.28	-88.15	434.99	0.00
863	STL ENV_STR(all)		801	-413.05	-440.90	-55.22	-245.94	-245.41	0.00
864	STL ENV_STR(all)		804	208.51	1300.17	-108.30	22.15	-480.60	0.00
864	STL ENV_STR(all)		807	198.49	228.65	117.74	118.80	795.02	0.00
864	STL ENV_STR(all)		810	-241.98	-1286.23	128.28	-52.54	781.79	0.00
864	STL ENV_STR(all)		805	-165.02	-242.59	-97.85	-137.24	-536.76	0.00
865	STL ENV_STR(all)		808	308.29	1481.25	-153.52	142.13	-1095.13	0.00
865	STL ENV_STR(all)		156	254.50	-0.27	163.22	163.76	1494.75	0.00
865	STL ENV_STR(all)		192	-344.96	-1462.15	172.61	-166.56	1509.24	0.00
865	STL ENV_STR(all)		809	-217.82	-18.82	-142.44	-185.75	-1127.08	0.00
866	STL ENV_STR(all)		812	180.53	831.50	-102.10	85.53	-608.61	0.00
866	STL ENV_STR(all)		815	130.51	5.79	120.15	96.46	888.03	0.00
866	STL ENV_STR(all)		818	-202.88	-813.93	121.84	-87.09	886.45	0.00
866	STL ENV_STR(all)		813	-108.16	-23.36	-100.01	-96.94	-615.21	0.00
867	STL ENV_STR(all)		816	268.63	952.15	-142.64	165.22	-1210.06	0.00
867	STL ENV_STR(all)		159	155.65	-173.08	160.82	168.60	1587.37	0.00
867	STL ENV_STR(all)		201	-291.13	-929.28	162.30	-165.60	1587.91	0.00
867	STL ENV_STR(all)		817	-133.14	150.21	-140.61	-168.75	-1213.53	0.00
868	STL ENV_STR(all)		820	130.62	449.87	-100.43	85.13	-621.18	0.00
868	STL ENV_STR(all)		823	73.62	-97.89	119.92	89.31	896.68	0.00
868	STL ENV_STR(all)		826	-144.55	-432.59	120.33	-84.62	895.92	0.00
868	STL ENV_STR(all)		821	-59.68	80.61	-99.95	-88.89	-623.53	0.00
869	STL ENV_STR(all)		824	198.74	519.09	-140.47	160.96	-1219.26	0.00
869	STL ENV_STR(all)		162	78.85	-224.63	159.84	162.59	1593.20	0.00
869	STL ENV_STR(all)		210	-212.42	-496.39	160.34	-160.94	1593.28	0.00
869	STL ENV_STR(all)		825	-65.17	201.93	-139.83	-162.34	-1220.74	0.00
870	STL ENV_STR(all)		828	76.21	183.80	-100.54	81.40	-625.70	0.00
870	STL ENV_STR(all)		831	30.65	-107.30	120.99	88.15	904.19	0.00
870	STL ENV_STR(all)		834	-81.76	-170.02	120.21	-79.26	903.19	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
870	STL ENV_STR(all)		829	-25.10	93.52	-100.78	-86.68	-629.99	0.00
871	STL ENV_STR(all)		832	118.73	201.44	-142.60	156.72	-1230.40	0.00
871	STL ENV_STR(all)		165	17.95	-173.97	159.83	156.40	1608.92	0.00
871	STL ENV_STR(all)		219	-122.52	-180.68	164.49	-167.40	1611.58	0.00
871	STL ENV_STR(all)		833	-14.15	153.21	-141.84	-163.18	-1231.12	0.00
872	STL ENV_STR(all)		799	-262.61	840.24	2.78	303.87	-129.49	0.00
872	STL ENV_STR(all)		947	-25.62	1564.77	-4.63	-445.14	-162.82	0.00
872	STL ENV_STR(all)		948	206.09	-815.61	-7.30	-329.09	114.09	0.00
872	STL ENV_STR(all)		835	82.14	-1589.40	49.04	366.66	103.12	0.00
873	STL ENV_STR(all)		837	-227.44	116.47	140.62	136.96	-1115.55	0.00
873	STL ENV_STR(all)		839	-256.33	1389.76	-130.97	82.10	760.03	0.00
873	STL ENV_STR(all)		842	192.37	-132.67	-120.18	-157.06	803.40	0.00
873	STL ENV_STR(all)		838	291.41	-1373.56	150.41	-109.54	-1118.79	0.00
874	STL ENV_STR(all)		840	-167.59	337.75	95.51	99.20	-534.14	0.00
874	STL ENV_STR(all)		949	-163.30	1209.22	-85.96	-23.65	265.28	0.00
874	STL ENV_STR(all)		950	135.65	-349.41	-75.96	-115.35	327.06	0.00
874	STL ENV_STR(all)		841	195.25	-1197.55	106.29	-7.72	-508.12	0.00
875	STL ENV_STR(all)		843	-144.23	-82.42	140.56	128.15	-1212.60	0.00
875	STL ENV_STR(all)		845	-223.14	892.21	-122.38	124.51	885.47	0.00
875	STL ENV_STR(all)		848	121.80	62.31	-120.36	-128.39	889.24	0.00
875	STL ENV_STR(all)		844	245.57	-872.09	142.06	-125.31	-1213.50	0.00
876	STL ENV_STR(all)		846	-114.15	92.42	99.76	67.52	-614.55	0.00
876	STL ENV_STR(all)		951	-140.12	767.91	-81.84	56.14	385.39	0.00
876	STL ENV_STR(all)		952	91.89	-107.27	-79.68	-68.02	391.94	0.00
876	STL ENV_STR(all)		847	162.38	-753.06	101.64	-58.07	-612.77	0.00
877	STL ENV_STR(all)		849	-77.46	-160.17	139.96	122.24	-1220.26	0.00
877	STL ENV_STR(all)		851	-163.33	485.17	-120.41	121.48	896.34	0.00
877	STL ENV_STR(all)		854	63.66	140.25	-119.89	-121.63	897.50	0.00
877	STL ENV_STR(all)		850	177.12	-465.24	140.21	-120.85	-1220.70	0.00
878	STL ENV_STR(all)		852	-67.08	-37.02	99.88	60.12	-623.04	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
878	STL ENV_STR(all)		953	-100.12	411.84	-80.46	57.09	397.68	0.00
878	STL ENV_STR(all)		954	53.00	22.45	-79.91	-59.76	399.53	0.00
878	STL ENV_STR(all)		853	114.20	-397.27	100.37	-56.64	-622.58	0.00
879	STL ENV_STR(all)		855	-25.87	-139.83	141.09	121.53	-1231.08	0.00
879	STL ENV_STR(all)		857	-96.44	194.35	-120.59	118.54	903.80	0.00
879	STL ENV_STR(all)		860	20.84	123.05	-119.37	-118.59	908.30	0.00
879	STL ENV_STR(all)		856	101.47	-177.57	138.75	-117.64	-1229.09	0.00
880	STL ENV_STR(all)		858	-32.28	-75.40	100.83	58.52	-628.42	0.00
880	STL ENV_STR(all)		955	-57.92	169.52	-80.85	52.27	399.42	0.00
880	STL ENV_STR(all)		956	26.21	64.59	-81.44	-58.47	401.34	0.00
880	STL ENV_STR(all)		859	64.00	-158.72	101.34	-51.44	-626.68	0.00
881	STL ENV_STR(all)		750	126.60	1633.52	-84.51	-250.14	-28.87	0.00
881	STL ENV_STR(all)		802	291.95	550.18	70.77	197.58	387.15	0.00
881	STL ENV_STR(all)		868	-182.34	-1637.86	116.23	132.97	309.26	0.00
881	STL ENV_STR(all)		861	-236.22	-545.85	-62.61	-269.45	-256.00	0.00
882	STL ENV_STR(all)		861	176.63	1533.70	-104.51	-121.95	-230.71	0.00
882	STL ENV_STR(all)		868	250.92	417.94	100.47	159.39	586.91	0.00
882	STL ENV_STR(all)		870	-221.83	-1528.92	128.48	40.83	542.83	0.00
882	STL ENV_STR(all)		863	-205.72	-422.72	-84.56	-208.43	-382.65	0.00
883	STL ENV_STR(all)		863	200.53	1420.31	-109.06	-33.39	-381.42	0.00
883	STL ENV_STR(all)		870	221.36	313.57	112.73	133.54	716.39	0.00
883	STL ENV_STR(all)		807	-238.77	-1409.83	130.07	-18.21	691.84	0.00
883	STL ENV_STR(all)		804	-183.12	-324.04	-93.87	-165.38	-475.63	0.00
884	STL ENV_STR(all)		760	-349.95	426.68	92.69	149.43	-584.71	0.00
884	STL ENV_STR(all)		836	-163.46	1759.26	-114.77	-148.90	217.73	0.00
884	STL ENV_STR(all)		908	288.16	-425.08	-85.07	-254.18	419.98	0.00
884	STL ENV_STR(all)		865	225.24	-1760.85	147.03	9.04	-595.37	0.00
885	STL ENV_STR(all)		865	-295.77	298.32	125.42	144.23	-862.73	0.00
885	STL ENV_STR(all)		908	-219.42	1643.65	-132.09	-31.78	479.72	0.00
885	STL ENV_STR(all)		910	246.54	-304.90	-108.36	-207.59	608.29	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
885	STL ENV_STR(all)		866	268.65	-1637.07	154.91	-52.74	-869.10	0.00
886	STL ENV_STR(all)		866	-257.12	197.11	136.18	139.95	-1023.63	0.00
886	STL ENV_STR(all)		910	-246.83	1519.10	-133.11	39.28	654.34	0.00
886	STL ENV_STR(all)		839	216.21	-209.58	-116.99	-177.14	729.91	0.00
886	STL ENV_STR(all)		837	287.74	-1506.64	153.80	-89.67	-1028.69	0.00
887	STL ENV_STR(all)		801	209.61	1892.14	-151.62	-21.51	-485.78	0.00
887	STL ENV_STR(all)		183	404.82	293.61	124.09	91.23	868.09	0.00
887	STL ENV_STR(all)		185	-275.93	-1890.33	179.58	-125.83	970.54	0.00
887	STL ENV_STR(all)		867	-338.50	-295.42	-112.17	-224.03	-651.71	0.00
888	STL ENV_STR(all)		867	268.24	1759.41	-159.80	64.48	-801.58	0.00
888	STL ENV_STR(all)		185	339.39	171.10	150.39	128.95	1209.51	0.00
888	STL ENV_STR(all)		187	-321.37	-1750.10	182.20	-150.74	1265.35	0.00
888	STL ENV_STR(all)		869	-286.26	-180.42	-132.91	-207.99	-899.93	0.00
889	STL ENV_STR(all)		869	298.03	1621.59	-157.91	114.87	-988.51	0.00
889	STL ENV_STR(all)		187	291.36	74.76	160.90	153.67	1396.57	0.00
889	STL ENV_STR(all)		156	-341.60	-1606.33	177.63	-161.09	1425.65	0.00
889	STL ENV_STR(all)		808	-247.79	-90.02	-140.75	-194.81	-1045.42	0.00
890	STL ENV_STR(all)		805	207.29	1178.35	-106.41	54.66	-541.58	0.00
890	STL ENV_STR(all)		810	179.22	158.14	119.61	109.40	840.95	0.00
890	STL ENV_STR(all)		876	-237.22	-1162.46	126.04	-71.51	833.65	0.00
890	STL ENV_STR(all)		871	-149.29	-174.04	-99.36	-119.51	-574.23	0.00
891	STL ENV_STR(all)		871	200.86	1058.36	-104.51	72.42	-577.34	0.00
891	STL ENV_STR(all)		876	161.94	98.76	120.12	103.54	866.59	0.00
891	STL ENV_STR(all)		878	-227.92	-1041.45	124.14	-81.14	862.52	0.00
891	STL ENV_STR(all)		873	-134.88	-115.67	-99.87	-108.48	-596.13	0.00
892	STL ENV_STR(all)		873	191.50	942.33	-103.11	81.47	-597.51	0.00
892	STL ENV_STR(all)		878	145.85	48.40	120.21	99.45	880.60	0.00
892	STL ENV_STR(all)		815	-216.09	-924.95	122.78	-85.55	878.15	0.00
892	STL ENV_STR(all)		812	-121.26	-65.78	-100.01	-101.50	-608.45	0.00
893	STL ENV_STR(all)		809	306.35	1342.03	-149.21	156.08	-1153.91	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
893	STL ENV_STR(all)		192	224.70	-59.12	163.02	168.96	1544.74	0.00
893	STL ENV_STR(all)		194	-338.01	-1320.81	168.36	-167.94	1551.80	0.00
893	STL ENV_STR(all)		875	-193.04	37.90	-142.29	-179.29	-1171.65	0.00
894	STL ENV_STR(all)		875	297.21	1206.58	-146.14	162.48	-1185.26	0.00
894	STL ENV_STR(all)		194	199.34	-105.90	162.18	170.09	1569.64	0.00
894	STL ENV_STR(all)		196	-325.13	-1184.36	165.48	-167.90	1572.88	0.00
894	STL ENV_STR(all)		877	-171.42	83.67	-141.63	-174.77	-1195.18	0.00
895	STL ENV_STR(all)		877	284.02	1076.40	-144.00	164.89	-1201.67	0.00
895	STL ENV_STR(all)		196	176.70	-143.39	161.40	169.83	1581.67	0.00
895	STL ENV_STR(all)		159	-309.00	-1053.72	163.53	-166.87	1583.09	0.00
895	STL ENV_STR(all)		816	-151.72	120.70	-141.05	-171.38	-1207.36	0.00
896	STL ENV_STR(all)		813	168.67	726.51	-101.42	86.91	-614.62	0.00
896	STL ENV_STR(all)		818	115.66	-29.80	120.07	94.08	891.96	0.00
896	STL ENV_STR(all)		884	-188.91	-708.90	121.21	-87.19	890.81	0.00
896	STL ENV_STR(all)		879	-95.42	12.19	-99.98	-93.80	-618.89	0.00
897	STL ENV_STR(all)		879	156.31	627.74	-100.96	86.88	-617.91	0.00
897	STL ENV_STR(all)		884	101.18	-58.77	120.00	92.14	894.12	0.00
897	STL ENV_STR(all)		886	-174.49	-610.17	120.79	-86.57	893.20	0.00
897	STL ENV_STR(all)		881	-83.00	41.20	-99.96	-91.57	-620.97	0.00
898	STL ENV_STR(all)		881	143.62	535.44	-100.64	86.18	-619.84	0.00
898	STL ENV_STR(all)		886	87.11	-81.40	119.95	90.53	895.49	0.00
898	STL ENV_STR(all)		823	-159.72	-517.97	120.48	-85.71	894.64	0.00
898	STL ENV_STR(all)		820	-71.01	63.93	-99.91	-89.94	-622.36	0.00
899	STL ENV_STR(all)		817	252.04	834.14	-141.73	164.56	-1214.34	0.00
899	STL ENV_STR(all)		201	135.54	-195.75	160.45	167.16	1590.04	0.00
899	STL ENV_STR(all)		203	-272.31	-811.23	161.49	-164.13	1590.21	0.00
899	STL ENV_STR(all)		883	-115.27	172.84	-140.33	-166.62	-1216.64	0.00
900	STL ENV_STR(all)		883	234.78	722.53	-141.14	163.45	-1216.62	0.00
900	STL ENV_STR(all)		203	116.05	-211.79	160.18	165.54	1591.37	0.00
900	STL ENV_STR(all)		205	-252.90	-699.63	160.95	-162.90	1591.39	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
900	STL ENV_STR(all)		885	-97.93	188.90	-140.12	-164.87	-1218.35	0.00
901	STL ENV_STR(all)		885	217.03	617.45	-140.72	162.24	-1217.98	0.00
901	STL ENV_STR(all)		205	97.11	-221.39	160.06	164.17	1592.23	0.00
901	STL ENV_STR(all)		162	-232.99	-594.64	160.57	-161.44	1592.28	0.00
901	STL ENV_STR(all)		824	-81.15	198.57	-140.04	-163.42	-1219.46	0.00
902	STL ENV_STR(all)		821	117.23	371.40	-100.33	83.97	-622.41	0.00
902	STL ENV_STR(all)		826	61.03	-108.48	119.90	88.36	898.11	0.00
902	STL ENV_STR(all)		892	-128.87	-354.47	120.20	-83.84	897.10	0.00
902	STL ENV_STR(all)		887	-49.39	91.55	-99.90	-88.24	-624.91	0.00
903	STL ENV_STR(all)		887	103.40	300.54	-100.31	82.75	-623.62	0.00
903	STL ENV_STR(all)		892	49.74	-113.42	120.03	88.04	899.96	0.00
903	STL ENV_STR(all)		894	-112.63	-284.23	120.34	-82.35	899.10	0.00
903	STL ENV_STR(all)		889	-40.51	97.11	-100.19	-88.15	-626.49	0.00
904	STL ENV_STR(all)		889	89.38	237.91	-100.72	81.67	-624.78	0.00
904	STL ENV_STR(all)		894	39.91	-112.96	120.29	87.55	902.60	0.00
904	STL ENV_STR(all)		831	-96.33	-222.65	120.88	-82.56	900.88	0.00
904	STL ENV_STR(all)		828	-32.95	97.70	-100.57	-88.16	-627.40	0.00
905	STL ENV_STR(all)		825	179.76	427.74	-140.22	159.94	-1220.60	0.00
905	STL ENV_STR(all)		210	61.58	-221.51	159.96	161.97	1594.60	0.00
905	STL ENV_STR(all)		212	-190.99	-405.28	160.13	-159.04	1595.02	0.00
905	STL ENV_STR(all)		891	-50.36	199.05	-139.99	-161.54	-1222.21	0.00
906	STL ENV_STR(all)		891	159.84	343.85	-140.43	158.66	-1223.05	0.00
906	STL ENV_STR(all)		212	45.71	-212.05	159.53	159.96	1597.29	0.00
906	STL ENV_STR(all)		214	-168.39	-321.68	160.48	-161.03	1597.89	0.00
906	STL ENV_STR(all)		893	-37.16	189.88	-139.70	-161.46	-1224.97	0.00
907	STL ENV_STR(all)		893	139.25	268.15	-140.18	158.49	-1225.67	0.00
907	STL ENV_STR(all)		214	31.32	-196.02	160.56	161.84	1600.93	0.00
907	STL ENV_STR(all)		165	-145.26	-246.75	159.97	-155.69	1602.23	0.00
907	STL ENV_STR(all)		832	-25.30	174.61	-140.46	-161.07	-1228.51	0.00
908	STL ENV_STR(all)		829	66.25	137.57	-104.04	80.74	-621.39	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
908	STL ENV_STR(all)		834	19.21	-96.00	123.09	85.90	907.74	0.00
908	STL ENV_STR(all)		902	-71.74	-125.68	127.81	-84.11	904.45	0.00
908	STL ENV_STR(all)		895	-13.73	84.10	-106.97	-88.38	-614.53	0.00
909	STL ENV_STR(all)		895	66.80	98.63	-98.84	101.01	-610.35	0.00
909	STL ENV_STR(all)		902	-1.35	-79.37	127.99	81.04	881.48	0.00
909	STL ENV_STR(all)		904	-78.58	-90.31	111.03	-79.51	880.35	0.00
909	STL ENV_STR(all)		897	13.13	71.05	-100.29	-42.92	-604.53	0.00
910	STL ENV_STR(all)		897	83.58	49.41	-85.44	67.24	-607.62	0.00
910	STL ENV_STR(all)		904	-49.76	-44.15	117.53	37.22	850.31	0.00
910	STL ENV_STR(all)		906	-104.72	-43.37	106.26	-17.37	891.64	0.00
910	STL ENV_STR(all)		899	70.90	38.10	-98.48	-8.24	-624.72	0.00
911	STL ENV_STR(all)		833	103.48	145.27	-138.83	159.99	-1235.50	0.00
911	STL ENV_STR(all)		219	2.25	-145.95	162.80	168.01	1611.69	0.00
911	STL ENV_STR(all)		221	-108.98	-128.26	153.13	-143.17	1609.23	0.00
911	STL ENV_STR(all)		901	3.25	128.93	-137.22	-158.84	-1246.93	0.00
912	STL ENV_STR(all)		901	95.21	94.25	-165.75	152.33	-1229.13	0.00
912	STL ENV_STR(all)		221	-22.51	-117.08	171.86	143.69	1656.83	0.00
912	STL ENV_STR(all)		223	-103.97	-71.08	219.18	-203.05	1693.92	0.00
912	STL ENV_STR(all)		903	31.27	93.91	-185.42	-183.33	-1194.82	0.00
913	STL ENV_STR(all)		903	130.44	44.99	-109.37	221.99	-1160.37	0.00
913	STL ENV_STR(all)		223	-96.46	-60.43	200.27	203.52	1517.14	0.00
913	STL ENV_STR(all)		7	-175.60	-27.45	43.45	0.29	1377.64	0.00
913	STL ENV_STR(all)		905	141.63	42.89	-94.47	35.17	-1175.24	0.00
914	STL ENV_STR(all)		835	-232.09	664.33	53.88	220.43	-252.39	0.00
914	STL ENV_STR(all)		948	-96.61	1512.04	-59.21	-315.42	-86.44	0.00
914	STL ENV_STR(all)		957	183.53	-657.90	-44.23	-261.86	146.05	0.00
914	STL ENV_STR(all)		907	145.17	-1518.47	89.43	224.41	-110.56	0.00
915	STL ENV_STR(all)		907	-204.84	531.80	78.09	160.61	-378.54	0.00
915	STL ENV_STR(all)		957	-137.93	1425.60	-79.38	-187.67	56.29	0.00
915	STL ENV_STR(all)		958	163.90	-534.96	-62.50	-197.21	217.21	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
915	STL ENV_STR(all)		909	178.86	-1422.44	103.66	113.25	-294.39	0.00
916	STL ENV_STR(all)		909	-184.16	425.89	90.20	122.46	-472.27	0.00
916	STL ENV_STR(all)		958	-157.23	1321.53	-85.50	-88.69	178.22	0.00
916	STL ENV_STR(all)		949	148.52	-434.46	-71.63	-148.09	280.92	0.00
916	STL ENV_STR(all)		840	192.87	-1312.96	106.80	38.41	-424.57	0.00
917	STL ENV_STR(all)		838	-203.04	51.31	141.34	134.35	-1165.36	0.00
917	STL ENV_STR(all)		842	-255.01	1259.86	-127.82	105.19	822.05	0.00
917	STL ENV_STR(all)		914	172.23	-69.63	-120.86	-144.73	845.94	0.00
917	STL ENV_STR(all)		911	285.82	-1241.54	147.22	-119.67	-1167.67	0.00
918	STL ENV_STR(all)		911	-181.78	-2.09	141.27	132.13	-1191.95	0.00
918	STL ENV_STR(all)		914	-247.41	1132.51	-125.37	117.16	856.64	0.00
918	STL ENV_STR(all)		916	154.27	-17.31	-120.83	-136.88	869.63	0.00
918	STL ENV_STR(all)		912	274.91	-1113.11	144.80	-124.06	-1193.52	0.00
919	STL ENV_STR(all)		912	-162.43	-46.18	140.88	130.05	-1205.64	0.00
919	STL ENV_STR(all)		916	-236.25	1009.62	-123.57	122.56	875.50	0.00
919	STL ENV_STR(all)		845	137.63	26.28	-120.59	-131.85	882.45	0.00
919	STL ENV_STR(all)		843	261.05	-989.72	143.16	-125.48	-1206.81	0.00
920	STL ENV_STR(all)		841	-153.07	262.60	98.07	85.24	-572.44	0.00
920	STL ENV_STR(all)		950	-161.99	1094.63	-84.96	16.14	321.12	0.00
920	STL ENV_STR(all)		959	123.99	-275.98	-78.07	-94.35	357.07	0.00
920	STL ENV_STR(all)		913	191.07	-1081.25	104.84	-34.10	-558.65	0.00
921	STL ENV_STR(all)		913	-139.57	197.67	99.11	76.65	-594.88	0.00
921	STL ENV_STR(all)		959	-156.61	981.53	-83.67	38.61	354.95	0.00
921	STL ENV_STR(all)		960	112.96	-211.94	-79.02	-81.32	375.34	0.00
921	STL ENV_STR(all)		915	183.23	-967.27	103.46	-48.25	-587.76	0.00
922	STL ENV_STR(all)		915	-126.67	141.28	99.58	71.21	-607.57	0.00
922	STL ENV_STR(all)		960	-148.99	872.20	-82.62	50.49	374.47	0.00
922	STL ENV_STR(all)		951	102.30	-155.96	-79.47	-73.19	385.96	0.00
922	STL ENV_STR(all)		846	173.36	-857.52	102.39	-55.17	-603.99	0.00
923	STL ENV_STR(all)		844	-126.76	-111.60	140.31	126.36	-1216.10	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
923	STL ENV_STR(all)		848	-208.96	780.80	-121.58	124.61	890.69	0.00
923	STL ENV_STR(all)		920	106.50	91.42	-120.20	-125.94	892.81	0.00
923	STL ENV_STR(all)		917	229.21	-760.62	141.35	-124.44	-1216.84	0.00
924	STL ENV_STR(all)		917	-109.78	-134.14	140.15	124.78	-1217.95	0.00
924	STL ENV_STR(all)		920	-194.17	675.68	-121.04	123.87	893.46	0.00
924	STL ENV_STR(all)		922	91.64	113.98	-120.07	-124.06	894.82	0.00
924	STL ENV_STR(all)		918	212.32	-655.51	140.84	-123.26	-1218.56	0.00
925	STL ENV_STR(all)		918	-93.29	-150.28	140.02	123.33	-1219.16	0.00
925	STL ENV_STR(all)		922	-178.97	577.05	-120.69	122.68	895.09	0.00
925	STL ENV_STR(all)		851	77.28	130.19	-120.02	-122.75	896.11	0.00
925	STL ENV_STR(all)		849	194.98	-556.97	140.57	-122.08	-1219.74	0.00
926	STL ENV_STR(all)		847	-101.91	50.48	99.84	64.86	-618.35	0.00
926	STL ENV_STR(all)		952	-130.57	669.38	-81.28	58.35	391.36	0.00
926	STL ENV_STR(all)		961	81.70	-65.37	-79.78	-64.60	395.27	0.00
926	STL ENV_STR(all)		919	150.78	-654.49	101.11	-58.82	-617.45	0.00
927	STL ENV_STR(all)		919	-89.93	15.09	99.86	62.82	-620.49	0.00
927	STL ENV_STR(all)		961	-120.65	577.02	-80.90	58.71	394.62	0.00
927	STL ENV_STR(all)		962	71.74	-29.95	-79.84	-62.29	397.19	0.00
927	STL ENV_STR(all)		921	138.85	-562.16	100.75	-58.51	-619.99	0.00
928	STL ENV_STR(all)		921	-78.26	-13.99	99.88	61.28	-621.86	0.00
928	STL ENV_STR(all)		962	-110.49	491.08	-80.62	58.15	396.48	0.00
928	STL ENV_STR(all)		953	62.10	-0.78	-79.86	-60.70	398.48	0.00
928	STL ENV_STR(all)		852	126.65	-476.32	100.49	-57.65	-621.47	0.00
929	STL ENV_STR(all)		850	-62.60	-163.95	139.87	121.18	-1221.88	0.00
929	STL ENV_STR(all)		854	-147.13	400.36	-120.37	119.97	897.62	0.00
929	STL ENV_STR(all)		926	51.21	144.31	-120.07	-121.47	898.79	0.00
929	STL ENV_STR(all)		923	158.52	-380.72	140.45	-119.98	-1222.50	0.00
930	STL ENV_STR(all)		923	-49.10	-161.73	140.00	121.01	-1223.99	0.00
930	STL ENV_STR(all)		926	-130.28	323.17	-120.19	119.11	899.36	0.00
930	STL ENV_STR(all)		928	40.22	142.60	-119.71	-120.63	901.60	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
930	STL ENV_STR(all)		924	139.15	-304.04	139.78	-118.80	-1224.03	0.00
931	STL ENV_STR(all)		924	-37.14	-153.60	140.13	120.15	-1227.89	0.00
931	STL ENV_STR(all)		928	-112.89	254.21	-120.95	117.04	901.22	0.00
931	STL ENV_STR(all)		857	30.82	135.26	-121.32	-122.76	902.47	0.00
931	STL ENV_STR(all)		855	119.22	-235.87	142.01	-118.59	-1229.22	0.00
932	STL ENV_STR(all)		853	-56.69	-54.32	99.94	59.48	-624.28	0.00
932	STL ENV_STR(all)		954	-89.53	339.63	-80.34	55.92	398.63	0.00
932	STL ENV_STR(all)		963	44.79	40.12	-79.93	-59.17	400.75	0.00
932	STL ENV_STR(all)		925	101.43	-325.42	100.21	-55.43	-623.56	0.00
933	STL ENV_STR(all)		925	-47.47	-66.28	100.02	59.09	-625.90	0.00
933	STL ENV_STR(all)		963	-78.72	274.92	-80.41	54.46	399.40	0.00
933	STL ENV_STR(all)		964	37.80	52.75	-80.24	-59.35	401.64	0.00
933	STL ENV_STR(all)		927	88.39	-261.39	100.51	-54.32	-624.86	0.00
934	STL ENV_STR(all)		927	-39.57	-73.29	100.44	59.20	-627.36	0.00
934	STL ENV_STR(all)		964	-67.94	218.21	-80.47	53.72	399.87	0.00
934	STL ENV_STR(all)		955	32.01	60.88	-80.41	-58.44	402.62	0.00
934	STL ENV_STR(all)		858	75.50	-205.80	100.32	-53.11	-625.69	0.00
935	STL ENV_STR(all)		856	-12.26	-120.63	141.98	119.64	-1239.08	0.00
935	STL ENV_STR(all)		860	-83.30	142.69	-123.98	113.09	903.96	0.00
935	STL ENV_STR(all)		933	7.45	105.14	-127.69	-129.12	902.02	0.00
935	STL ENV_STR(all)		929	88.11	-127.20	149.57	-116.36	-1244.65	0.00
936	STL ENV_STR(all)		929	10.23	-95.74	153.49	121.87	-1233.19	0.00
936	STL ENV_STR(all)		933	-80.42	99.68	-128.20	133.11	885.41	0.00
936	STL ENV_STR(all)		935	-20.53	82.19	-132.47	-94.59	864.10	0.00
936	STL ENV_STR(all)		930	90.72	-86.13	147.06	-125.92	-1217.00	0.00
937	STL ENV_STR(all)		930	70.73	-52.62	147.90	86.36	-1140.17	0.00
937	STL ENV_STR(all)		935	-107.63	52.15	-96.20	137.71	868.20	0.00
937	STL ENV_STR(all)		937	-104.66	43.35	-106.20	17.78	892.56	0.00
937	STL ENV_STR(all)		931	141.56	-42.87	94.39	-35.61	-1176.32	0.00
938	STL ENV_STR(all)		859	-22.92	-72.11	103.54	56.28	-625.81	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
938	STL ENV_STR(all)		956	-50.98	128.10	-82.39	56.42	394.37	0.00
938	STL ENV_STR(all)		965	16.45	63.60	-84.92	-49.82	388.04	0.00
938	STL ENV_STR(all)		932	57.45	-119.59	103.66	-54.88	-623.75	0.00
939	STL ENV_STR(all)		932	-4.48	-62.94	102.25	41.35	-602.34	0.00
939	STL ENV_STR(all)		965	-52.82	90.99	-75.90	65.08	391.97	0.00
939	STL ENV_STR(all)		966	-7.32	57.62	-75.36	-16.34	393.16	0.00
939	STL ENV_STR(all)		934	64.62	-85.67	88.89	-48.55	-610.16	0.00
940	STL ENV_STR(all)		934	31.97	-34.69	96.94	23.48	-603.35	0.00
940	STL ENV_STR(all)		966	-60.10	42.40	-71.41	24.77	389.90	0.00
940	STL ENV_STR(all)		967	-42.73	30.38	-84.08	-19.98	400.38	0.00
940	STL ENV_STR(all)		936	70.86	-38.08	98.44	7.90	-625.48	0.00
941	STL ENV_STR(all)		938	33.28	25.29	133.35	545.84	246.82	0.00
941	STL ENV_STR(all)		968	24.70	17.07	355.71	110.39	-258.72	0.00
941	STL ENV_STR(all)		1557	-130.52	-97.67	-189.69	203.16	-221.16	0.00
941	STL ENV_STR(all)		1552	72.53	55.31	-298.61	851.43	646.50	0.00
942	STL ENV_STR(all)		939	171.08	773.77	410.60	-2132.60	356.67	0.00
942	STL ENV_STR(all)		969	1051.41	-1290.29	-1714.05	-2314.70	-2400.32	0.00
942	STL ENV_STR(all)		1558	-552.48	-422.40	310.12	2.34	-1844.26	0.00
942	STL ENV_STR(all)		1553	-670.01	938.92	994.08	-114.73	379.66	0.00
943	STL ENV_STR(all)		941	315.20	707.68	273.13	-924.14	232.15	0.00
943	STL ENV_STR(all)		971	125.54	56.51	-795.86	-1052.23	-1298.82	0.00
943	STL ENV_STR(all)		1559	-241.85	-673.73	82.07	77.41	-1013.11	0.00
943	STL ENV_STR(all)		1554	-198.89	-90.45	441.41	68.43	294.34	0.00
944	STL ENV_STR(all)		943	201.51	1322.26	10.50	70.03	-59.82	0.00
944	STL ENV_STR(all)		973	108.67	637.91	-1.03	87.74	52.04	0.00
944	STL ENV_STR(all)		974	-202.60	-1258.11	-18.68	-32.77	28.29	0.00
944	STL ENV_STR(all)		944	-107.58	-702.06	10.29	-77.28	-71.63	0.00
945	STL ENV_STR(all)		945	13.19	1523.22	30.57	373.07	-836.38	0.00
945	STL ENV_STR(all)		975	96.97	1220.53	-249.10	618.85	640.07	0.00
945	STL ENV_STR(all)		1311	8.20	-1440.88	-12.20	-907.37	563.46	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
945	STL ENV_STR(all)		1309	-118.36	-1302.87	261.41	-1246.34	-1059.17	0.00
946	STL ENV_STR(all)		947	-184.39	931.94	2.83	310.14	-144.64	0.00
946	STL ENV_STR(all)		977	-20.54	1440.32	10.09	-435.15	-130.41	0.00
946	STL ENV_STR(all)		978	140.85	-907.68	-1.36	-297.05	115.73	0.00
946	STL ENV_STR(all)		948	64.08	-1464.58	28.31	417.22	134.86	0.00
947	STL ENV_STR(all)		940	181.83	382.42	174.57	901.33	26.91	0.00
947	STL ENV_STR(all)		970	123.21	-31.43	285.55	922.95	150.07	0.00
947	STL ENV_STR(all)		1560	-185.35	-395.41	-169.71	-178.81	50.82	0.00
947	STL ENV_STR(all)		1555	-119.69	44.42	-289.65	-35.65	60.43	0.00
948	STL ENV_STR(all)		942	224.41	1023.31	-90.44	12.85	64.92	0.00
948	STL ENV_STR(all)		972	259.72	323.26	-79.94	70.79	21.24	0.00
948	STL ENV_STR(all)		1561	-189.20	-1000.96	101.29	-310.29	10.80	0.00
948	STL ENV_STR(all)		1556	-294.93	-345.60	69.85	-371.31	-44.43	0.00
949	STL ENV_STR(all)		944	190.49	1299.27	112.57	17.66	102.84	0.00
949	STL ENV_STR(all)		974	-92.21	992.53	75.38	91.55	-103.81	0.00
949	STL ENV_STR(all)		1213	-162.96	-1208.58	-87.57	455.13	-125.62	0.00
949	STL ENV_STR(all)		1212	64.68	-1083.22	-66.64	379.00	53.87	0.00
950	STL ENV_STR(all)		946	-115.58	1297.31	52.94	386.82	-427.93	0.00
950	STL ENV_STR(all)		976	55.85	1361.49	110.75	313.21	426.32	0.00
950	STL ENV_STR(all)		1312	101.70	-1242.11	-22.18	-79.13	445.01	0.00
950	STL ENV_STR(all)		1310	-41.98	-1416.69	-110.83	157.79	-259.70	0.00
951	STL ENV_STR(all)		979	-312.31	-191.03	280.57	115.61	246.57	0.00
951	STL ENV_STR(all)		980	-31.97	249.75	237.49	289.88	-28.63	0.00
951	STL ENV_STR(all)		1563	164.65	232.52	-85.62	853.06	-73.72	0.00
951	STL ENV_STR(all)		1562	179.64	-291.24	-431.68	553.84	237.02	0.00
952	STL ENV_STR(all)		982	423.02	255.60	-465.02	-1038.61	282.16	0.00
952	STL ENV_STR(all)		981	-87.93	-169.94	67.40	-1162.78	71.10	0.00
952	STL ENV_STR(all)		1565	-269.78	-299.06	411.05	237.58	162.48	0.00
952	STL ENV_STR(all)		1564	-65.31	213.40	-12.68	570.50	679.89	0.00
953	STL ENV_STR(all)		985	12.99	428.63	-193.93	-329.77	260.47	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
953	STL ENV_STR(all)		986	64.00	307.70	149.95	-320.48	41.22	0.00
953	STL ENV_STR(all)		1567	-0.02	-415.39	171.28	169.37	54.41	0.00
953	STL ENV_STR(all)		1566	-76.98	-320.93	-126.55	325.82	445.97	0.00
954	STL ENV_STR(all)		989	119.65	903.59	28.31	65.51	-25.32	0.00
954	STL ENV_STR(all)		990	-118.51	867.67	4.26	80.81	9.93	0.00
954	STL ENV_STR(all)		991	-228.21	-869.88	-24.97	27.35	1.05	0.00
954	STL ENV_STR(all)		992	227.08	-901.38	-6.51	-10.88	-38.78	0.00
955	STL ENV_STR(all)		993	10.93	1329.62	-26.53	279.09	-314.74	0.00
955	STL ENV_STR(all)		994	67.06	1105.46	-161.80	434.45	209.09	0.00
955	STL ENV_STR(all)		1314	-15.36	-1261.46	6.27	-752.63	97.77	0.00
955	STL ENV_STR(all)		1313	-62.63	-1173.62	212.74	-974.34	-419.50	0.00
956	STL ENV_STR(all)		984	-26.26	219.79	285.81	770.58	-78.99	0.00
956	STL ENV_STR(all)		983	61.52	185.51	153.29	907.62	186.97	0.00
956	STL ENV_STR(all)		1569	11.26	-234.85	-153.38	85.56	66.76	0.00
956	STL ENV_STR(all)		1568	-46.52	-170.45	-284.96	-227.99	-175.93	0.00
957	STL ENV_STR(all)		988	17.43	659.89	-58.04	131.75	-66.20	0.00
957	STL ENV_STR(all)		987	75.47	487.64	-80.20	-25.17	-56.58	0.00
957	STL ENV_STR(all)		1571	11.43	-617.64	54.63	-343.81	63.00	0.00
957	STL ENV_STR(all)		1570	-104.33	-529.89	84.36	-248.17	-5.08	0.00
958	STL ENV_STR(all)		992	267.68	846.63	72.47	-48.60	141.40	0.00
958	STL ENV_STR(all)		991	-469.76	1304.65	70.12	30.24	-103.75	0.00
958	STL ENV_STR(all)		1215	-141.79	-859.96	-46.81	397.92	-139.07	0.00
958	STL ENV_STR(all)		1214	343.86	-1291.32	-62.04	313.52	117.78	0.00
959	STL ENV_STR(all)		996	-17.73	1255.17	96.69	448.23	-236.82	0.00
959	STL ENV_STR(all)		995	17.94	1221.52	25.36	413.01	117.41	0.00
959	STL ENV_STR(all)		1316	14.22	-1222.22	-56.56	-226.64	209.04	0.00
959	STL ENV_STR(all)		1315	-14.43	-1254.47	-34.80	-66.02	-206.02	0.00
960	STL ENV_STR(all)		998	-61.56	1069.39	9.44	280.78	-134.67	0.00
960	STL ENV_STR(all)		997	-13.43	1252.17	-0.55	-437.32	-127.93	0.00
960	STL ENV_STR(all)		999	37.49	-1057.29	18.95	-293.80	119.05	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
960	STL ENV_STR(all)		1000	37.51	-1264.27	12.04	424.69	141.19	0.00
961	STL ENV_STR(all)		949	-135.43	443.62	73.58	84.35	-329.68	0.00
961	STL ENV_STR(all)		1001	-120.88	1119.41	-63.99	-64.00	106.04	0.00
961	STL ENV_STR(all)		1002	104.82	-453.42	-54.11	-98.65	172.31	0.00
961	STL ENV_STR(all)		950	151.49	-1109.61	84.40	32.03	-290.01	0.00
962	STL ENV_STR(all)		1003	-67.83	648.42	29.12	57.89	-84.32	0.00
962	STL ENV_STR(all)		1004	-41.70	939.60	-23.81	-127.81	-42.23	0.00
962	STL ENV_STR(all)		1005	38.99	-655.05	-7.50	-83.32	23.44	0.00
962	STL ENV_STR(all)		1006	70.54	-932.98	42.06	81.72	-23.31	0.00
963	STL ENV_STR(all)		951	-95.46	176.99	79.33	45.69	-391.71	0.00
963	STL ENV_STR(all)		1007	-102.32	703.09	-61.56	30.69	211.72	0.00
963	STL ENV_STR(all)		1008	73.29	-189.22	-59.30	-46.20	219.21	0.00
963	STL ENV_STR(all)		952	124.49	-690.86	81.41	-33.00	-388.36	0.00
964	STL ENV_STR(all)		1009	-50.92	340.58	38.35	17.97	-97.99	0.00
964	STL ENV_STR(all)		1010	-33.91	567.99	-21.38	-3.23	17.07	0.00
964	STL ENV_STR(all)		1011	28.84	-347.61	-18.14	-20.03	25.14	0.00
964	STL ENV_STR(all)		1012	55.99	-560.96	41.05	-1.15	-91.60	0.00
965	STL ENV_STR(all)		953	-58.10	22.00	79.82	37.68	-399.04	0.00
965	STL ENV_STR(all)		1013	-72.11	372.16	-60.47	33.63	223.11	0.00
965	STL ENV_STR(all)		1014	43.86	-33.95	-59.83	-37.26	225.29	0.00
965	STL ENV_STR(all)		954	86.35	-360.21	80.35	-33.16	-398.08	0.00
966	STL ENV_STR(all)		1015	-32.74	134.95	39.62	9.70	-100.50	0.00
966	STL ENV_STR(all)		1016	-23.15	286.92	-20.62	3.57	23.57	0.00
966	STL ENV_STR(all)		1017	18.26	-141.76	-19.55	-9.85	26.19	0.00
966	STL ENV_STR(all)		1018	37.63	-280.11	40.43	-3.71	-98.70	0.00
967	STL ENV_STR(all)		955	-30.93	-44.33	80.88	35.49	-401.93	0.00
967	STL ENV_STR(all)		1019	-41.65	152.06	-60.74	29.53	223.07	0.00
967	STL ENV_STR(all)		1020	24.23	36.31	-61.30	-34.23	224.18	0.00
967	STL ENV_STR(all)		956	48.35	-144.05	81.04	-28.63	-399.25	0.00
968	STL ENV_STR(all)		1021	-19.66	17.04	40.50	6.07	-100.04	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
968	STL ENV_STR(all)		1022	-13.74	107.14	-20.17	0.48	22.79	0.00
968	STL ENV_STR(all)		1023	11.60	-20.45	-20.37	-3.39	24.78	0.00
968	STL ENV_STR(all)		1024	21.79	-103.73	39.92	0.89	-98.23	0.00
969	STL ENV_STR(all)		948	-173.55	768.15	38.20	227.29	-162.50	0.00
969	STL ENV_STR(all)		978	-72.43	1400.68	-37.53	-362.12	-149.10	0.00
969	STL ENV_STR(all)		1025	132.49	-761.48	-26.80	-248.20	79.97	0.00
969	STL ENV_STR(all)		957	113.49	-1407.35	66.01	291.96	25.01	0.00
970	STL ENV_STR(all)		957	-159.09	639.65	57.60	157.57	-227.35	0.00
970	STL ENV_STR(all)		1025	-102.98	1323.12	-56.67	-240.65	-59.52	0.00
970	STL ENV_STR(all)		1026	122.32	-642.16	-41.14	-184.97	105.93	0.00
970	STL ENV_STR(all)		958	139.76	-1320.61	80.08	173.17	-109.34	0.00
971	STL ENV_STR(all)		958	-146.44	534.04	67.91	112.72	-286.09	0.00
971	STL ENV_STR(all)		1026	-116.94	1225.65	-62.61	-136.74	34.31	0.00
971	STL ENV_STR(all)		1001	113.16	-541.31	-49.44	-134.10	142.28	0.00
971	STL ENV_STR(all)		949	150.22	-1218.38	84.01	87.39	-216.52	0.00
972	STL ENV_STR(all)		1000	-70.59	951.55	6.55	196.86	-84.92	0.00
972	STL ENV_STR(all)		999	-28.70	1208.11	-16.76	-451.29	-162.11	0.00
972	STL ENV_STR(all)		1027	41.62	-950.16	18.67	-253.95	59.08	0.00
972	STL ENV_STR(all)		1028	57.67	-1209.50	31.42	351.76	144.69	0.00
973	STL ENV_STR(all)		1028	-72.34	842.39	15.58	131.06	-74.96	0.00
973	STL ENV_STR(all)		1027	-37.52	1131.46	-23.57	-334.79	-128.51	0.00
973	STL ENV_STR(all)		1029	42.05	-846.05	8.85	-184.58	34.00	0.00
973	STL ENV_STR(all)		1030	67.81	-1127.80	39.02	239.58	84.67	0.00
974	STL ENV_STR(all)		1030	-70.78	741.74	22.95	86.23	-77.92	0.00
974	STL ENV_STR(all)		1029	-41.22	1038.49	-24.16	-216.73	-80.48	0.00
974	STL ENV_STR(all)		1004	40.89	-747.54	-0.35	-125.60	25.65	0.00
974	STL ENV_STR(all)		1003	71.11	-1032.69	41.44	146.21	23.40	0.00
975	STL ENV_STR(all)		950	-125.15	364.39	76.53	67.18	-358.17	0.00
975	STL ENV_STR(all)		1002	-119.40	1010.94	-63.59	-18.12	154.18	0.00
975	STL ENV_STR(all)		1031	96.80	-375.53	-56.70	-75.57	193.28	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
975	STL ENV_STR(all)		959	147.74	-999.80	83.64	-0.88	-336.32	0.00
976	STL ENV_STR(all)		959	-115.12	294.25	78.10	56.63	-375.70	0.00
976	STL ENV_STR(all)		1031	-115.04	904.09	-62.85	8.73	184.07	0.00
976	STL ENV_STR(all)		1032	88.89	-306.06	-58.11	-61.03	206.61	0.00
976	STL ENV_STR(all)		960	141.27	-892.27	82.74	-19.20	-363.90	0.00
977	STL ENV_STR(all)		960	-105.23	232.01	78.90	50.03	-385.92	0.00
977	STL ENV_STR(all)		1032	-109.11	801.05	-62.13	23.36	201.71	0.00
977	STL ENV_STR(all)		1007	81.05	-244.13	-58.88	-51.95	214.60	0.00
977	STL ENV_STR(all)		951	133.29	-788.93	81.98	-28.64	-379.64	0.00
978	STL ENV_STR(all)		1006	-64.11	561.74	33.21	40.25	-89.87	0.00
978	STL ENV_STR(all)		1005	-40.60	840.73	-23.03	-69.29	-15.61	0.00
978	STL ENV_STR(all)		1033	36.70	-568.68	-12.25	-55.47	23.49	0.00
978	STL ENV_STR(all)		1034	68.01	-833.78	41.95	41.34	-54.48	0.00
979	STL ENV_STR(all)		1034	-59.92	481.54	35.82	29.38	-93.84	0.00
979	STL ENV_STR(all)		1033	-38.72	744.89	-22.33	-33.85	1.20	0.00
979	STL ENV_STR(all)		1035	34.18	-488.59	-15.25	-37.86	24.09	0.00
979	STL ENV_STR(all)		1036	64.47	-737.83	41.64	17.89	-73.79	0.00
980	STL ENV_STR(all)		1036	-55.49	407.82	37.41	22.50	-96.42	0.00
980	STL ENV_STR(all)		1035	-36.43	653.69	-21.79	-13.80	11.27	0.00
980	STL ENV_STR(all)		1010	31.54	-414.89	-17.07	-26.90	24.69	0.00
980	STL ENV_STR(all)		1009	60.38	-646.63	41.32	5.18	-85.16	0.00
981	STL ENV_STR(all)		952	-85.81	128.74	79.56	42.66	-394.94	0.00
981	STL ENV_STR(all)		1008	-95.05	610.89	-61.14	33.86	217.28	0.00
981	STL ENV_STR(all)		1037	65.62	-140.99	-59.54	-42.45	221.83	0.00
981	STL ENV_STR(all)		961	115.25	-598.64	81.00	-34.57	-393.08	0.00
982	STL ENV_STR(all)		961	-76.30	86.99	79.69	40.46	-396.81	0.00
982	STL ENV_STR(all)		1037	-87.54	524.84	-60.83	34.77	220.33	0.00
982	STL ENV_STR(all)		1038	58.08	-99.20	-59.67	-39.94	223.38	0.00
982	STL ENV_STR(all)		962	105.76	-512.62	80.70	-34.69	-395.64	0.00
983	STL ENV_STR(all)		962	-67.01	51.49	79.76	38.83	-398.03	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
983	STL ENV_STR(all)		1038	-79.88	445.19	-60.61	34.49	222.05	0.00
983	STL ENV_STR(all)		1013	50.77	-63.62	-59.77	-38.29	224.41	0.00
983	STL ENV_STR(all)		953	96.12	-433.06	80.50	-34.08	-397.13	0.00
984	STL ENV_STR(all)		1012	-46.30	279.77	38.91	14.81	-98.94	0.00
984	STL ENV_STR(all)		1011	-31.27	488.27	-21.08	1.81	20.30	0.00
984	STL ENV_STR(all)		1039	26.12	-286.74	-18.78	-15.65	25.45	0.00
984	STL ENV_STR(all)		1040	51.45	-481.29	40.82	-3.87	-95.15	0.00
985	STL ENV_STR(all)		1040	-41.69	225.32	39.25	12.53	-99.56	0.00
985	STL ENV_STR(all)		1039	-28.57	414.77	-20.87	3.79	22.08	0.00
985	STL ENV_STR(all)		1041	23.42	-232.25	-19.16	-12.79	25.68	0.00
985	STL ENV_STR(all)		1042	46.84	-407.84	40.65	-4.65	-97.08	0.00
986	STL ENV_STR(all)		1042	-37.14	177.11	39.47	10.86	-100.04	0.00
986	STL ENV_STR(all)		1041	-25.85	347.63	-20.72	4.11	23.05	0.00
986	STL ENV_STR(all)		1016	20.78	-184.00	-19.39	-10.95	25.92	0.00
986	STL ENV_STR(all)		1015	42.22	-340.75	40.52	-4.44	-98.12	0.00
987	STL ENV_STR(all)		954	-49.82	-1.87	79.90	37.01	-400.08	0.00
987	STL ENV_STR(all)		1014	-64.27	306.02	-60.38	32.46	223.82	0.00
987	STL ENV_STR(all)		1043	37.64	-9.73	-59.95	-36.77	226.13	0.00
987	STL ENV_STR(all)		963	76.45	-294.42	80.31	-31.99	-398.92	0.00
988	STL ENV_STR(all)		963	-42.52	-20.62	80.03	36.69	-401.23	0.00
988	STL ENV_STR(all)		1043	-56.39	247.15	-60.40	31.24	224.27	0.00
988	STL ENV_STR(all)		1044	32.39	9.68	-60.12	-36.56	226.76	0.00
988	STL ENV_STR(all)		964	66.52	-236.22	80.36	-30.91	-399.53	0.00
989	STL ENV_STR(all)		964	-36.38	-34.74	80.36	36.55	-401.98	0.00
989	STL ENV_STR(all)		1044	-48.68	195.86	-60.39	30.28	224.27	0.00
989	STL ENV_STR(all)		1019	28.21	24.96	-60.47	-35.77	227.02	0.00
989	STL ENV_STR(all)		955	56.85	-186.08	80.38	-29.33	-400.11	0.00
990	STL ENV_STR(all)		1018	-28.62	98.47	39.74	8.99	-101.01	0.00
990	STL ENV_STR(all)		1017	-20.50	232.65	-20.57	2.59	23.81	0.00
990	STL ENV_STR(all)		1045	15.96	-105.09	-19.69	-9.29	26.47	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
990	STL ENV_STR(all)		1046	33.15	-226.02	40.39	-2.75	-99.02	0.00
991	STL ENV_STR(all)		1046	-24.96	67.11	39.87	8.58	-101.43	0.00
991	STL ENV_STR(all)		1045	-17.97	184.77	-20.51	1.48	23.83	0.00
991	STL ENV_STR(all)		1047	14.04	-73.29	-19.79	-8.86	26.75	0.00
991	STL ENV_STR(all)		1048	28.89	-178.59	40.30	-1.58	-99.11	0.00
992	STL ENV_STR(all)		1048	-21.98	40.14	40.07	8.03	-101.53	0.00
992	STL ENV_STR(all)		1047	-15.66	143.11	-20.46	0.40	23.53	0.00
992	STL ENV_STR(all)		1022	12.63	-45.38	-20.08	-7.93	26.37	0.00
992	STL ENV_STR(all)		1021	25.02	-137.87	40.34	-0.27	-99.01	0.00
993	STL ENV_STR(all)		956	-23.58	-48.65	82.80	30.68	-396.46	0.00
993	STL ENV_STR(all)		1020	-37.13	114.52	-60.95	34.00	219.44	0.00
993	STL ENV_STR(all)		1049	16.44	43.00	-63.30	-21.69	215.45	0.00
993	STL ENV_STR(all)		965	44.27	-108.88	81.34	-30.23	-398.10	0.00
994	STL ENV_STR(all)		965	-7.90	-45.72	79.49	14.97	-381.92	0.00
994	STL ENV_STR(all)		1049	-38.77	78.68	-55.61	34.13	222.03	0.00
994	STL ENV_STR(all)		1050	-2.96	42.39	-53.85	-0.90	226.33	0.00
994	STL ENV_STR(all)		966	49.63	-75.35	69.86	-22.60	-389.43	0.00
995	STL ENV_STR(all)		966	17.79	-24.66	76.92	14.17	-393.63	0.00
995	STL ENV_STR(all)		1050	-39.08	33.40	-55.38	-1.20	218.41	0.00
995	STL ENV_STR(all)		1051	-21.44	21.64	-65.74	-22.68	223.01	0.00
995	STL ENV_STR(all)		967	42.73	-30.38	84.08	19.98	-400.38	0.00
996	STL ENV_STR(all)		1024	-16.75	-1.29	41.10	-0.91	-96.29	0.00
996	STL ENV_STR(all)		1023	-12.51	75.39	-19.52	1.44	22.27	0.00
996	STL ENV_STR(all)		1052	9.37	0.56	-21.28	8.00	22.44	0.00
996	STL ENV_STR(all)		1053	19.89	-74.65	39.58	2.90	-99.86	0.00
997	STL ENV_STR(all)		1053	-8.96	-10.24	39.03	-10.79	-94.11	0.00
997	STL ENV_STR(all)		1052	-12.34	44.22	-17.69	-4.39	25.71	0.00
997	STL ENV_STR(all)		1054	1.22	11.04	-16.71	14.70	30.06	0.00
997	STL ENV_STR(all)		1055	20.08	-45.02	35.25	9.86	-97.25	0.00
998	STL ENV_STR(all)		1055	1.50	-4.71	37.26	-3.77	-104.22	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
998	STL ENV_STR(all)		1054	-8.26	12.72	-20.51	-22.28	23.50	0.00
998	STL ENV_STR(all)		1056	-0.73	4.69	-21.81	-13.29	20.90	0.00
998	STL ENV_STR(all)		1057	7.49	-12.71	44.94	18.66	-95.77	0.00
999	STL ENV_STR(all)		968	-223.91	-53.08	246.77	311.54	258.72	0.00
999	STL ENV_STR(all)		979	93.30	135.09	259.33	320.72	-246.57	0.00
999	STL ENV_STR(all)		1562	200.97	47.74	-294.01	714.85	-472.30	0.00
999	STL ENV_STR(all)		1557	-70.36	-129.76	-211.33	423.47	373.52	0.00
1000	STL ENV_STR(all)		969	746.43	-19.80	-1696.23	-2427.48	2412.83	0.00
1000	STL ENV_STR(all)		982	-312.89	-343.08	376.50	-2144.27	-300.20	0.00
1000	STL ENV_STR(all)		1564	-414.95	-263.96	987.30	30.95	-449.38	0.00
1000	STL ENV_STR(all)		1558	-18.60	626.84	333.19	-79.21	1746.01	0.00
1001	STL ENV_STR(all)		971	57.63	478.66	-801.28	-1069.26	1320.06	0.00
1001	STL ENV_STR(all)		985	135.91	235.00	285.47	-890.95	-201.73	0.00
1001	STL ENV_STR(all)		1566	-68.33	-505.73	440.54	95.96	-301.33	0.00
1001	STL ENV_STR(all)		1559	-125.21	-207.93	76.03	57.51	997.14	0.00
1002	STL ENV_STR(all)		973	167.65	1104.46	26.70	70.54	-43.61	0.00
1002	STL ENV_STR(all)		989	-13.57	745.62	0.29	94.24	23.08	0.00
1002	STL ENV_STR(all)		992	-217.93	-1053.67	-26.51	10.40	7.80	0.00
1002	STL ENV_STR(all)		974	63.85	-796.41	0.60	-40.07	-54.41	0.00
1003	STL ENV_STR(all)		975	27.30	1415.46	0.09	318.96	-559.62	0.00
1003	STL ENV_STR(all)		993	63.77	1169.67	-226.32	459.77	369.74	0.00
1003	STL ENV_STR(all)		1313	-11.00	-1351.84	3.90	-872.61	306.12	0.00
1003	STL ENV_STR(all)		1311	-80.08	-1233.29	253.01	-1107.92	-710.90	0.00
1004	STL ENV_STR(all)		977	-116.43	1006.53	10.14	303.12	-144.31	0.00
1004	STL ENV_STR(all)		998	-18.05	1336.20	19.12	-389.94	-116.62	0.00
1004	STL ENV_STR(all)		1000	83.95	-986.67	-2.79	-246.09	114.03	0.00
1004	STL ENV_STR(all)		978	50.53	-1356.05	13.42	436.99	140.39	0.00
1005	STL ENV_STR(all)		970	69.62	287.70	254.50	824.48	-41.53	0.00
1005	STL ENV_STR(all)		984	80.38	89.34	213.64	1083.69	118.38	0.00
1005	STL ENV_STR(all)		1568	-77.83	-299.31	-260.82	38.16	-86.08	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1005	STL ENV_STR(all)		1560	-72.18	-77.74	-206.57	-308.68	-109.81	0.00
1006	STL ENV_STR(all)		972	113.95	842.80	-84.20	39.17	1.43	0.00
1006	STL ENV_STR(all)		988	169.14	418.45	-91.29	39.08	-39.07	0.00
1006	STL ENV_STR(all)		1570	-81.52	-814.71	81.34	-350.77	33.26	0.00
1006	STL ENV_STR(all)		1561	-201.57	-446.53	94.91	-343.47	-21.36	0.00
1007	STL ENV_STR(all)		974	230.96	1062.00	88.51	-18.71	129.93	0.00
1007	STL ENV_STR(all)		992	-276.83	1108.42	71.89	49.08	-110.42	0.00
1007	STL ENV_STR(all)		1214	-168.11	-1007.36	-61.63	409.76	-137.98	0.00
1007	STL ENV_STR(all)		1213	213.98	-1163.06	-65.03	351.24	102.05	0.00
1008	STL ENV_STR(all)		976	-55.48	1279.92	90.51	410.04	-361.75	0.00
1008	STL ENV_STR(all)		996	34.66	1277.02	61.49	413.05	297.77	0.00
1008	STL ENV_STR(all)		1315	48.02	-1235.61	-53.87	-121.31	333.86	0.00
1008	STL ENV_STR(all)		1312	-27.21	-1321.33	-67.46	17.47	-288.98	0.00
1009	STL ENV_STR(all)		980	-266.01	-254.43	204.05	-24.51	28.63	0.00
1009	STL ENV_STR(all)		1058	-103.31	282.93	139.04	99.23	29.00	0.00
1009	STL ENV_STR(all)		1572	219.07	234.13	-133.46	631.05	94.62	0.00
1009	STL ENV_STR(all)		1563	150.26	-262.63	-208.87	493.90	-136.73	0.00
1010	STL ENV_STR(all)		981	144.82	202.88	-158.29	-711.56	-109.49	0.00
1010	STL ENV_STR(all)		1059	56.91	-24.06	-43.33	-794.42	154.04	0.00
1010	STL ENV_STR(all)		1573	-104.16	-258.34	135.70	321.86	178.30	0.00
1010	STL ENV_STR(all)		1565	-97.58	79.52	66.68	477.12	7.13	0.00
1011	STL ENV_STR(all)		986	-39.85	330.37	-63.28	-113.48	48.41	0.00
1011	STL ENV_STR(all)		1061	8.36	357.41	98.56	-78.99	142.47	0.00
1011	STL ENV_STR(all)		1574	52.69	-313.30	63.68	110.96	134.90	0.00
1011	STL ENV_STR(all)		1567	-21.21	-374.48	-98.20	204.04	78.83	0.00
1012	STL ENV_STR(all)		990	13.91	617.50	23.52	54.33	-15.71	0.00
1012	STL ENV_STR(all)		1063	-257.91	981.24	4.26	62.70	-0.09	0.00
1012	STL ENV_STR(all)		1064	-136.54	-493.25	-16.64	17.39	12.70	0.00
1012	STL ENV_STR(all)		991	380.54	-1105.49	-10.06	4.13	-28.83	0.00
1013	STL ENV_STR(all)		994	22.19	1213.32	-71.77	190.32	-139.74	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1013	STL ENV_STR(all)		1065	12.90	1086.24	-172.56	283.49	144.44	0.00
1013	STL ENV_STR(all)		1317	-8.34	-1156.31	93.21	-824.20	-51.36	0.00
1013	STL ENV_STR(all)		1314	-26.75	-1143.26	181.80	-944.02	-190.15	0.00
1014	STL ENV_STR(all)		983	-66.52	186.15	164.54	453.28	-135.20	0.00
1014	STL ENV_STR(all)		1060	22.30	259.69	48.66	625.98	228.43	0.00
1014	STL ENV_STR(all)		1575	62.98	-197.77	-103.40	-25.99	88.32	0.00
1014	STL ENV_STR(all)		1569	-18.76	-248.07	-109.05	-308.35	-319.34	0.00
1015	STL ENV_STR(all)		987	-57.07	480.95	-60.29	128.41	-97.49	0.00
1015	STL ENV_STR(all)		1062	-4.76	511.72	-44.20	-55.59	-13.69	0.00
1015	STL ENV_STR(all)		1576	73.18	-425.11	35.64	-279.06	86.94	0.00
1015	STL ENV_STR(all)		1571	-11.34	-567.56	69.61	-160.70	1.88	0.00
1016	STL ENV_STR(all)		991	317.43	670.72	42.03	-61.72	131.53	0.00
1016	STL ENV_STR(all)		1064	-704.68	1847.71	78.80	-18.57	-45.61	0.00
1016	STL ENV_STR(all)		1216	-86.17	-995.60	0.51	360.15	-34.28	0.00
1016	STL ENV_STR(all)		1215	473.43	-1522.83	-87.60	293.49	104.80	0.00
1017	STL ENV_STR(all)		995	0.97	1225.49	104.38	557.67	-90.44	0.00
1017	STL ENV_STR(all)		1066	3.97	1194.76	76.63	526.03	-47.84	0.00
1017	STL ENV_STR(all)		1318	0.10	-1204.97	-108.49	-165.67	99.28	0.00
1017	STL ENV_STR(all)		1316	-5.03	-1215.27	-41.85	-54.93	-79.07	0.00
1018	STL ENV_STR(all)		997	-21.21	1126.78	49.60	357.26	-101.50	0.00
1018	STL ENV_STR(all)		1067	-2.45	1187.24	107.69	-30.62	-124.19	0.00
1018	STL ENV_STR(all)		1068	2.48	-1125.73	-86.81	113.52	112.08	0.00
1018	STL ENV_STR(all)		999	21.18	-1188.29	-30.60	501.50	116.47	0.00
1019	STL ENV_STR(all)		1001	-102.13	546.99	52.31	72.11	-179.85	0.00
1019	STL ENV_STR(all)		1003	-80.50	1029.66	-41.17	-90.63	4.07	0.00
1019	STL ENV_STR(all)		1006	72.58	-555.14	-33.56	-80.08	70.95	0.00
1019	STL ENV_STR(all)		1002	110.04	-1021.51	62.30	63.65	-129.11	0.00
1020	STL ENV_STR(all)		1004	-32.51	748.54	17.70	64.47	-34.78	0.00
1020	STL ENV_STR(all)		1069	-4.06	848.86	22.26	-40.71	-31.93	0.00
1020	STL ENV_STR(all)		1070	3.93	-753.76	-12.58	20.47	19.00	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1020	STL ENV_STR(all)		1005	32.64	-843.64	12.50	110.78	22.64	0.00
1021	STL ENV_STR(all)		1007	-74.39	259.70	58.96	29.38	-219.53	0.00
1021	STL ENV_STR(all)		1009	-66.92	636.47	-41.15	11.83	88.99	0.00
1021	STL ENV_STR(all)		1012	52.27	-269.33	-39.05	-29.27	96.93	0.00
1021	STL ENV_STR(all)		1008	89.04	-626.83	61.13	-13.78	-214.68	0.00
1022	STL ENV_STR(all)		1010	-25.06	419.68	19.17	14.12	-26.05	0.00
1022	STL ENV_STR(all)		1071	-3.24	497.63	1.88	1.82	-3.95	0.00
1022	STL ENV_STR(all)		1072	2.97	-424.10	-0.99	-2.86	2.52	0.00
1022	STL ENV_STR(all)		1011	25.33	-493.21	19.82	7.75	-19.72	0.00
1023	STL ENV_STR(all)		1013	-46.63	79.32	59.76	20.94	-224.84	0.00
1023	STL ENV_STR(all)		1015	-46.46	330.50	-40.43	16.10	98.41	0.00
1023	STL ENV_STR(all)		1018	32.26	-88.69	-39.81	-20.31	100.82	0.00
1023	STL ENV_STR(all)		1014	60.84	-321.13	60.35	-15.44	-223.48	0.00
1024	STL ENV_STR(all)		1016	-16.45	188.84	19.89	4.93	-25.77	0.00
1024	STL ENV_STR(all)		1073	-2.17	241.48	0.41	1.35	-1.19	0.00
1024	STL ENV_STR(all)		1074	1.92	-193.11	-0.50	-0.57	1.16	0.00
1024	STL ENV_STR(all)		1017	16.71	-237.22	20.08	3.01	-24.00	0.00
1025	STL ENV_STR(all)		1019	-26.66	-13.64	60.81	18.02	-225.59	0.00
1025	STL ENV_STR(all)		1021	-27.03	131.23	-40.37	12.77	97.59	0.00
1025	STL ENV_STR(all)		1024	19.30	8.13	-40.95	-15.22	98.83	0.00
1025	STL ENV_STR(all)		1020	34.39	-125.72	60.38	-11.08	-223.19	0.00
1026	STL ENV_STR(all)		1022	-10.20	48.07	20.53	0.91	-25.14	0.00
1026	STL ENV_STR(all)		1075	-1.44	80.11	1.07	-2.29	-1.44	0.00
1026	STL ENV_STR(all)		1076	1.47	-49.88	-1.02	5.81	1.14	0.00
1026	STL ENV_STR(all)		1023	10.17	-78.30	19.29	8.19	-24.09	0.00
1027	STL ENV_STR(all)		978	-118.95	863.05	25.47	222.19	-107.02	0.00
1027	STL ENV_STR(all)		1000	-50.88	1299.39	-15.80	-375.45	-170.31	0.00
1027	STL ENV_STR(all)		1028	84.73	-858.10	-14.11	-214.82	49.78	0.00
1027	STL ENV_STR(all)		1025	85.09	-1304.34	44.32	338.06	105.89	0.00
1028	STL ENV_STR(all)		1025	-114.60	742.70	39.15	150.79	-126.35	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1028	STL ENV_STR(all)		1028	-70.06	1225.21	-32.89	-268.00	-119.51	0.00
1028	STL ENV_STR(all)		1030	81.52	-745.40	-23.23	-159.88	44.13	0.00
1028	STL ENV_STR(all)		1026	103.14	-1222.51	56.84	218.91	14.59	0.00
1029	STL ENV_STR(all)		1026	-108.52	639.02	46.90	102.80	-154.83	0.00
1029	STL ENV_STR(all)		1030	-78.55	1131.46	-38.74	-165.92	-50.88	0.00
1029	STL ENV_STR(all)		1003	77.22	-645.39	-29.40	-113.48	56.85	0.00
1029	STL ENV_STR(all)		1001	109.85	-1125.09	61.12	125.99	-68.46	0.00
1030	STL ENV_STR(all)		999	-29.97	1037.47	28.41	243.60	-73.40	0.00
1030	STL ENV_STR(all)		1068	-2.48	1125.73	86.81	-113.52	-112.08	0.00
1030	STL ENV_STR(all)		1077	3.71	-1041.24	-59.67	101.60	79.64	0.00
1030	STL ENV_STR(all)		1027	28.74	-1121.96	-15.66	429.60	124.46	0.00
1031	STL ENV_STR(all)		1027	-32.83	940.66	20.57	159.14	-55.03	0.00
1031	STL ENV_STR(all)		1077	-3.71	1041.24	59.67	-101.60	-79.64	0.00
1031	STL ENV_STR(all)		1078	4.02	-946.11	-37.54	69.27	52.01	0.00
1031	STL ENV_STR(all)		1029	32.52	-1035.79	-2.82	300.12	88.78	0.00
1032	STL ENV_STR(all)		1029	-33.35	843.35	18.14	101.19	-42.31	0.00
1032	STL ENV_STR(all)		1078	-4.02	946.11	37.54	-69.27	-52.01	0.00
1032	STL ENV_STR(all)		1069	4.06	-848.86	-22.26	40.71	31.93	0.00
1032	STL ENV_STR(all)		1004	33.32	-940.61	6.45	188.94	51.36	0.00
1033	STL ENV_STR(all)		1002	-95.47	464.00	55.41	53.11	-197.39	0.00
1033	STL ENV_STR(all)		1006	-79.02	926.38	-41.71	-41.89	42.23	0.00
1033	STL ENV_STR(all)		1034	67.69	-473.00	-36.09	-58.00	82.01	0.00
1033	STL ENV_STR(all)		1031	106.79	-917.37	62.27	25.39	-168.63	0.00
1034	STL ENV_STR(all)		1031	-88.56	388.81	57.28	41.45	-208.72	0.00
1034	STL ENV_STR(all)		1034	-75.78	825.25	-41.67	-12.72	66.31	0.00
1034	STL ENV_STR(all)		1036	62.63	-398.23	-37.63	-43.89	89.49	0.00
1034	STL ENV_STR(all)		1032	101.72	-815.83	61.90	3.53	-192.76	0.00
1035	STL ENV_STR(all)		1032	-81.50	320.83	58.34	34.14	-215.55	0.00
1035	STL ENV_STR(all)		1036	-71.61	728.24	-41.42	3.50	80.72	0.00
1035	STL ENV_STR(all)		1009	57.46	-330.42	-38.52	-34.97	94.16	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1035	STL ENV_STR(all)		1007	95.65	-718.65	61.48	-8.12	-206.80	0.00
1036	STL ENV_STR(all)		1005	-31.02	657.96	18.03	41.83	-30.46	0.00
1036	STL ENV_STR(all)		1070	-3.93	753.76	12.58	-20.47	-19.00	0.00
1036	STL ENV_STR(all)		1079	3.73	-662.90	-6.86	8.11	11.12	0.00
1036	STL ENV_STR(all)		1033	31.22	-748.82	16.13	61.26	3.34	0.00
1037	STL ENV_STR(all)		1033	-29.19	572.61	18.46	28.06	-28.03	0.00
1037	STL ENV_STR(all)		1079	-3.73	662.90	6.86	-8.11	-11.12	0.00
1037	STL ENV_STR(all)		1080	3.49	-577.33	-3.62	1.34	6.54	0.00
1037	STL ENV_STR(all)		1035	29.43	-658.18	18.18	32.11	-8.64	0.00
1038	STL ENV_STR(all)		1035	-27.18	493.08	18.86	19.55	-26.73	0.00
1038	STL ENV_STR(all)		1080	-3.49	577.33	3.62	-1.34	-6.54	0.00
1038	STL ENV_STR(all)		1071	3.24	-497.63	-1.88	-1.82	3.95	0.00
1038	STL ENV_STR(all)		1010	27.43	-572.78	19.28	16.02	-15.71	0.00
1039	STL ENV_STR(all)		1008	-67.27	205.17	59.31	26.12	-221.80	0.00
1039	STL ENV_STR(all)		1012	-61.96	550.52	-40.91	15.61	93.62	0.00
1039	STL ENV_STR(all)		1040	47.09	-214.78	-39.37	-25.54	98.55	0.00
1039	STL ENV_STR(all)		1037	82.14	-540.91	60.85	-16.10	-219.01	0.00
1040	STL ENV_STR(all)		1037	-60.22	157.06	59.53	23.79	-223.15	0.00
1040	STL ENV_STR(all)		1040	-56.85	470.76	-40.71	16.88	96.16	0.00
1040	STL ENV_STR(all)		1042	41.97	-166.64	-39.57	-23.03	99.53	0.00
1040	STL ENV_STR(all)		1038	75.10	-461.18	60.63	-16.64	-221.36	0.00
1041	STL ENV_STR(all)		1038	-53.30	115.20	59.66	22.09	-224.07	0.00
1041	STL ENV_STR(all)		1042	-51.67	397.36	-40.55	16.82	97.59	0.00
1041	STL ENV_STR(all)		1015	36.98	-124.70	-39.71	-21.36	100.21	0.00
1041	STL ENV_STR(all)		1013	67.98	-387.86	60.48	-16.27	-222.68	0.00
1042	STL ENV_STR(all)		1011	-22.90	352.55	19.41	10.47	-25.72	0.00
1042	STL ENV_STR(all)		1072	-2.97	424.10	0.99	2.86	-2.52	0.00
1042	STL ENV_STR(all)		1081	2.70	-356.88	-0.57	-2.77	1.76	0.00
1042	STL ENV_STR(all)		1039	23.17	-419.77	20.05	3.94	-21.93	0.00
1043	STL ENV_STR(all)		1039	-20.72	291.74	19.60	7.92	-25.60	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1043	STL ENV_STR(all)		1081	-2.70	356.88	0.57	2.77	-1.76	0.00
1043	STL ENV_STR(all)		1082	2.44	-296.02	-0.41	-2.15	1.36	0.00
1043	STL ENV_STR(all)		1041	20.99	-352.60	20.13	2.56	-23.11	0.00
1044	STL ENV_STR(all)		1041	-18.56	237.22	19.75	6.13	-25.63	0.00
1044	STL ENV_STR(all)		1082	-2.44	296.02	0.41	2.15	-1.36	0.00
1044	STL ENV_STR(all)		1073	2.17	-241.48	-0.41	-1.35	1.19	0.00
1044	STL ENV_STR(all)		1016	18.83	-291.76	20.12	2.45	-23.71	0.00
1045	STL ENV_STR(all)		1014	-40.43	49.05	59.86	20.24	-225.63	0.00
1045	STL ENV_STR(all)		1018	-41.27	270.33	-40.37	15.03	98.89	0.00
1045	STL ENV_STR(all)		1046	27.99	-58.13	-39.95	-19.80	101.34	0.00
1045	STL ENV_STR(all)		1043	53.72	-261.25	60.33	-14.40	-224.06	0.00
1046	STL ENV_STR(all)		1043	-34.97	23.83	60.01	19.92	-226.35	0.00
1046	STL ENV_STR(all)		1046	-36.18	217.05	-40.32	13.96	99.10	0.00
1046	STL ENV_STR(all)		1048	24.41	-32.32	-40.07	-19.34	101.80	0.00
1046	STL ENV_STR(all)		1044	46.74	-208.56	60.24	-13.22	-224.33	0.00
1047	STL ENV_STR(all)		1044	-30.45	3.02	60.26	19.51	-226.71	0.00
1047	STL ENV_STR(all)		1048	-31.32	170.76	-40.31	12.89	98.84	0.00
1047	STL ENV_STR(all)		1021	21.67	-10.40	-40.47	-18.57	101.47	0.00
1047	STL ENV_STR(all)		1019	40.10	-163.39	60.40	-11.78	-224.50	0.00
1048	STL ENV_STR(all)		1017	-14.46	146.33	20.04	4.25	-25.99	0.00
1048	STL ENV_STR(all)		1074	-1.92	193.11	0.50	0.57	-1.16	0.00
1048	STL ENV_STR(all)		1083	1.69	-150.56	-0.67	0.16	1.24	0.00
1048	STL ENV_STR(all)		1045	14.69	-188.87	20.00	3.93	-24.10	0.00
1049	STL ENV_STR(all)		1045	-12.68	109.19	20.20	3.88	-26.20	0.00
1049	STL ENV_STR(all)		1083	-1.69	150.56	0.67	-0.16	-1.24	0.00
1049	STL ENV_STR(all)		1084	1.52	-113.23	-0.88	0.96	1.38	0.00
1049	STL ENV_STR(all)		1047	12.85	-146.52	19.89	5.14	-24.09	0.00
1050	STL ENV_STR(all)		1047	-11.23	76.70	20.36	3.32	-26.19	0.00
1050	STL ENV_STR(all)		1084	-1.52	113.23	0.88	-0.96	-1.38	0.00
1050	STL ENV_STR(all)		1075	1.44	-80.11	-1.07	2.29	1.44	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1050	STL ENV_STR(all)		1022	11.31	-109.83	19.71	6.54	-24.02	0.00
1051	STL ENV_STR(all)		1020	-21.48	-25.12	61.87	11.31	-220.43	0.00
1051	STL ENV_STR(all)		1024	-24.34	96.90	-40.07	15.25	95.69	0.00
1051	STL ENV_STR(all)		1053	14.11	22.00	-42.17	-2.99	93.97	0.00
1051	STL ENV_STR(all)		1049	31.70	-93.78	60.25	-10.90	-224.04	0.00
1052	STL ENV_STR(all)		1049	-9.37	-27.90	58.67	-1.55	-213.44	0.00
1052	STL ENV_STR(all)		1053	-25.04	62.89	-36.45	10.88	100.00	0.00
1052	STL ENV_STR(all)		1055	-0.05	26.38	-34.48	8.84	105.25	0.00
1052	STL ENV_STR(all)		1050	34.46	-61.37	52.13	-3.19	-218.56	0.00
1053	STL ENV_STR(all)		1050	7.57	-14.43	57.11	5.29	-226.18	0.00
1053	STL ENV_STR(all)		1055	-21.53	23.36	-38.03	-14.94	96.23	0.00
1053	STL ENV_STR(all)		1057	-7.49	12.71	-44.94	-18.66	95.77	0.00
1053	STL ENV_STR(all)		1051	21.44	-21.64	65.74	22.68	-223.01	0.00
1054	STL ENV_STR(all)		1023	-9.26	23.36	20.61	-6.24	-22.96	0.00
1054	STL ENV_STR(all)		1076	-1.47	49.88	1.02	-5.81	-1.14	0.00
1054	STL ENV_STR(all)		1085	1.46	-22.00	-0.72	12.92	0.64	0.00
1054	STL ENV_STR(all)		1052	9.28	-51.24	18.97	11.05	-25.47	0.00
1055	STL ENV_STR(all)		1052	-6.31	6.46	20.00	-14.66	-22.68	0.00
1055	STL ENV_STR(all)		1085	-1.46	22.00	0.72	-12.92	-0.64	0.00
1055	STL ENV_STR(all)		1086	0.17	-1.84	0.29	16.72	0.38	0.00
1055	STL ENV_STR(all)		1054	7.60	-26.62	18.87	16.27	-24.28	0.00
1056	STL ENV_STR(all)		1054	-0.56	2.86	18.35	-8.70	-29.28	0.00
1056	STL ENV_STR(all)		1086	-0.17	1.84	-0.29	-16.72	-0.38	0.00
1056	STL ENV_STR(all)		1087	0.00	-0.00	0.00	-0.00	0.00	0.00
1056	STL ENV_STR(all)		1056	0.73	-4.69	21.81	13.29	-20.90	0.00
1057	STL ENV_STR(all)		1088	103.80	283.48	139.93	99.26	-29.30	0.00
1057	STL ENV_STR(all)		1089	266.47	-255.19	203.88	-22.63	-28.31	0.00
1057	STL ENV_STR(all)		1578	-150.73	-263.20	-209.34	495.06	136.39	0.00
1057	STL ENV_STR(all)		1577	-219.54	234.91	-133.71	630.50	-95.90	0.00
1058	STL ENV_STR(all)		1091	-56.59	-23.92	-43.18	-796.09	-153.72	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1058	STL ENV_STR(all)		1090	-144.61	202.29	-158.26	-712.16	109.72	0.00
1058	STL ENV_STR(all)		1580	97.19	79.35	66.41	479.06	-7.78	0.00
1058	STL ENV_STR(all)		1579	104.00	-257.72	135.79	322.80	-178.80	0.00
1059	STL ENV_STR(all)		1094	-7.59	357.98	98.33	-77.64	-140.50	0.00
1059	STL ENV_STR(all)		1095	40.61	329.00	-62.00	-110.92	-47.98	0.00
1059	STL ENV_STR(all)		1582	20.23	-375.28	-97.99	203.89	-78.79	0.00
1059	STL ENV_STR(all)		1581	-53.26	-311.71	62.42	110.88	-133.63	0.00
1060	STL ENV_STR(all)		1098	255.91	976.25	-7.59	67.69	-13.08	0.00
1060	STL ENV_STR(all)		1099	-12.68	618.62	15.90	55.20	32.77	0.00
1060	STL ENV_STR(all)		1100	-374.55	-1105.07	1.64	-52.03	36.78	0.00
1060	STL ENV_STR(all)		1101	131.32	-489.81	-8.87	-29.55	-14.37	0.00
1061	STL ENV_STR(all)		1102	-14.46	1082.35	-191.10	287.13	-160.77	0.00
1061	STL ENV_STR(all)		1103	-22.12	1216.73	-69.18	171.65	152.82	0.00
1061	STL ENV_STR(all)		1320	27.91	-1143.68	189.66	-986.82	212.48	0.00
1061	STL ENV_STR(all)		1319	8.67	-1155.41	101.30	-846.70	58.41	0.00
1062	STL ENV_STR(all)		1106	2.44	1188.76	108.49	-28.76	124.96	0.00
1062	STL ENV_STR(all)		1107	21.24	1128.06	50.02	361.81	102.42	0.00
1062	STL ENV_STR(all)		1108	-21.20	-1189.64	-30.95	503.91	-116.88	0.00
1062	STL ENV_STR(all)		1109	-2.49	-1127.18	-87.68	112.94	-113.19	0.00
1063	STL ENV_STR(all)		1093	-21.51	259.92	48.54	624.39	-227.46	0.00
1063	STL ENV_STR(all)		1092	66.78	185.01	163.70	454.87	136.47	0.00
1063	STL ENV_STR(all)		1584	18.09	-248.41	-108.42	-308.10	317.72	0.00
1063	STL ENV_STR(all)		1583	-63.36	-196.52	-103.06	-29.61	-89.49	0.00
1064	STL ENV_STR(all)		1097	6.83	511.93	-42.56	-59.91	16.19	0.00
1064	STL ENV_STR(all)		1096	56.87	478.89	-59.15	123.67	94.34	0.00
1064	STL ENV_STR(all)		1586	8.88	-568.11	67.42	-151.03	-4.90	0.00
1064	STL ENV_STR(all)		1585	-72.57	-422.71	35.05	-269.93	-85.89	0.00
1066	STL ENV_STR(all)		1105	-4.17	1195.48	76.46	532.95	46.92	0.00
1066	STL ENV_STR(all)		1104	-1.07	1227.01	105.07	562.73	90.66	0.00
1066	STL ENV_STR(all)		1322	5.29	-1216.18	-41.99	-60.16	81.35	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1066	STL ENV_STR(all)		1321	-0.05	-1206.31	-108.87	-169.80	-99.49	0.00
1067	STL ENV_STR(all)		1110	-92.97	135.64	260.08	321.00	246.37	0.00
1067	STL ENV_STR(all)		1111	224.49	-53.84	246.64	313.32	-258.56	0.00
1067	STL ENV_STR(all)		1588	70.04	-130.28	-211.76	424.22	-374.05	0.00
1067	STL ENV_STR(all)		1587	-201.56	48.48	-294.20	714.21	471.46	0.00
1068	STL ENV_STR(all)		1113	313.65	-342.82	376.92	-2146.19	301.12	0.00
1068	STL ENV_STR(all)		1112	-746.75	-20.03	-1696.52	-2428.22	-2413.66	0.00
1068	STL ENV_STR(all)		1590	18.08	626.45	332.98	-77.05	-1747.52	0.00
1068	STL ENV_STR(all)		1589	415.03	-263.60	987.38	31.87	449.55	0.00
1069	STL ENV_STR(all)		1116	-135.84	236.49	283.25	-881.92	200.55	0.00
1069	STL ENV_STR(all)		1117	-55.62	477.25	-792.74	-1057.14	-1306.77	0.00
1069	STL ENV_STR(all)		1592	124.31	-209.43	74.73	58.85	-988.14	0.00
1069	STL ENV_STR(all)		1591	67.16	-504.31	435.52	95.63	298.33	0.00
1070	STL ENV_STR(all)		1120	12.41	742.07	-0.70	99.02	-33.71	0.00
1070	STL ENV_STR(all)		1121	-172.62	1112.93	21.00	82.26	54.90	0.00
1070	STL ENV_STR(all)		1122	-64.27	-792.62	4.48	-57.28	64.15	0.00
1070	STL ENV_STR(all)		1123	224.48	-1062.38	-23.70	-22.22	-22.74	0.00
1071	STL ENV_STR(all)		1124	-56.77	1174.94	-225.38	488.04	-401.81	0.00
1071	STL ENV_STR(all)		1125	-32.13	1416.02	3.86	323.96	582.19	0.00
1071	STL ENV_STR(all)		1324	76.12	-1238.19	249.60	-1123.84	736.99	0.00
1071	STL ENV_STR(all)		1323	12.78	-1352.76	2.60	-866.69	-321.82	0.00
1072	STL ENV_STR(all)		1115	-79.35	89.79	212.35	1079.17	-118.45	0.00
1072	STL ENV_STR(all)		1114	-69.80	287.08	252.90	822.56	43.03	0.00
1072	STL ENV_STR(all)		1594	71.27	-78.31	-205.41	-308.50	110.32	0.00
1072	STL ENV_STR(all)		1593	77.88	-298.56	-259.07	34.27	83.01	0.00
1073	STL ENV_STR(all)		1119	-167.10	420.27	-89.82	35.02	41.60	0.00
1073	STL ENV_STR(all)		1118	-113.60	841.78	-81.93	34.65	-3.57	0.00
1073	STL ENV_STR(all)		1596	199.20	-448.87	93.77	-333.61	20.04	0.00
1073	STL ENV_STR(all)		1595	81.50	-813.19	78.74	-338.94	-29.49	0.00
1075	STL ENV_STR(all)		1127	-35.48	1278.19	62.95	420.46	-303.95	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1075	STL ENV_STR(all)		1126	55.97	1281.94	90.29	413.92	364.51	0.00
1075	STL ENV_STR(all)		1326	27.80	-1322.71	-68.60	14.00	292.86	0.00
1075	STL ENV_STR(all)		1325	-48.29	-1237.42	-53.97	-122.85	-337.72	0.00
1076	STL ENV_STR(all)		1129	17.94	1337.65	19.49	-390.72	116.38	0.00
1076	STL ENV_STR(all)		1128	116.72	1007.38	10.10	306.75	145.87	0.00
1076	STL ENV_STR(all)		1130	-50.53	-1357.38	13.08	439.21	-140.78	0.00
1076	STL ENV_STR(all)		1131	-84.13	-987.65	-2.80	-248.77	-115.89	0.00
1077	STL ENV_STR(all)		1132	4.06	849.89	23.02	-41.14	32.90	0.00
1077	STL ENV_STR(all)		1133	32.55	749.34	17.91	67.31	35.55	0.00
1077	STL ENV_STR(all)		1134	-32.68	-844.55	12.21	114.38	-23.70	0.00
1077	STL ENV_STR(all)		1135	-3.93	-754.68	-13.27	20.90	-19.87	0.00
1078	STL ENV_STR(all)		1136	80.59	1030.68	-41.10	-93.65	-2.55	0.00
1078	STL ENV_STR(all)		1137	102.23	547.36	52.25	74.51	180.27	0.00
1078	STL ENV_STR(all)		1138	-110.17	-1022.40	62.24	66.70	127.46	0.00
1078	STL ENV_STR(all)		1139	-72.66	-555.65	-33.53	-82.33	-71.52	0.00
1079	STL ENV_STR(all)		1140	3.24	498.26	2.36	1.51	4.57	0.00
1079	STL ENV_STR(all)		1141	25.09	420.14	19.30	15.91	26.54	0.00
1079	STL ENV_STR(all)		1142	-25.35	-493.76	19.63	10.06	19.03	0.00
1079	STL ENV_STR(all)		1143	-2.98	-424.64	-1.42	-2.59	-3.08	0.00
1080	STL ENV_STR(all)		1144	66.99	637.10	-41.12	9.87	-88.00	0.00
1080	STL ENV_STR(all)		1145	74.46	259.88	58.93	30.91	219.81	0.00
1080	STL ENV_STR(all)		1146	-89.12	-627.38	61.10	-11.83	213.63	0.00
1080	STL ENV_STR(all)		1147	-52.32	-269.60	-39.04	-30.72	-97.28	0.00
1081	STL ENV_STR(all)		1148	2.17	241.81	0.72	1.14	1.59	0.00
1081	STL ENV_STR(all)		1149	16.48	189.06	19.98	6.07	26.08	0.00
1081	STL ENV_STR(all)		1150	-16.73	-237.50	19.96	4.49	23.56	0.00
1081	STL ENV_STR(all)		1151	-1.92	-193.36	-0.78	-0.38	-1.51	0.00
1082	STL ENV_STR(all)		1152	46.51	330.86	-40.41	14.84	-97.77	0.00
1082	STL ENV_STR(all)		1153	46.69	79.37	59.75	21.91	225.00	0.00
1082	STL ENV_STR(all)		1154	-60.90	-321.45	60.33	-14.18	222.79	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1082	STL ENV_STR(all)		1155	-32.30	-88.78	-39.80	-21.21	-101.03	0.00
1083	STL ENV_STR(all)		1156	1.44	80.20	1.25	-2.48	1.66	0.00
1083	STL ENV_STR(all)		1157	10.22	48.11	20.57	1.43	25.27	0.00
1083	STL ENV_STR(all)		1158	-10.18	-78.39	19.21	9.05	23.82	0.00
1083	STL ENV_STR(all)		1159	-1.48	-49.92	-1.15	6.01	-1.32	0.00
1084	STL ENV_STR(all)		1160	27.06	131.38	-40.34	12.04	-97.13	0.00
1084	STL ENV_STR(all)		1161	26.69	-13.67	60.80	18.47	225.53	0.00
1084	STL ENV_STR(all)		1162	-34.44	-125.86	60.35	-10.35	222.67	0.00
1084	STL ENV_STR(all)		1163	-19.32	8.15	-40.93	-15.61	-98.83	0.00
1085	STL ENV_STR(all)		1109	2.49	1127.18	87.68	-112.94	113.19	0.00
1085	STL ENV_STR(all)		1108	30.01	1038.61	28.79	247.65	74.42	0.00
1085	STL ENV_STR(all)		1164	-28.78	-1123.25	-16.02	433.30	-125.42	0.00
1085	STL ENV_STR(all)		1165	-3.72	-1042.55	-60.58	101.70	-80.75	0.00
1086	STL ENV_STR(all)		1165	3.72	1042.55	60.58	-101.70	80.75	0.00
1086	STL ENV_STR(all)		1164	32.88	941.67	20.85	162.77	55.95	0.00
1086	STL ENV_STR(all)		1166	-32.56	-1036.95	-3.17	304.15	-89.92	0.00
1086	STL ENV_STR(all)		1167	-4.03	-947.27	-38.38	69.61	-53.08	0.00
1087	STL ENV_STR(all)		1167	4.03	947.27	38.38	-69.61	53.08	0.00
1087	STL ENV_STR(all)		1166	33.39	844.25	18.39	104.40	43.17	0.00
1087	STL ENV_STR(all)		1133	-33.36	-941.63	6.14	192.85	-52.50	0.00
1087	STL ENV_STR(all)		1132	-4.06	-849.89	-23.02	41.14	-32.90	0.00
1088	STL ENV_STR(all)		1131	50.95	1300.81	-15.57	-377.99	171.31	0.00
1088	STL ENV_STR(all)		1130	119.12	863.65	25.41	225.55	107.99	0.00
1088	STL ENV_STR(all)		1168	-85.23	-1305.59	44.13	341.28	-107.29	0.00
1088	STL ENV_STR(all)		1169	-84.84	-858.88	-14.09	-217.61	-51.00	0.00
1089	STL ENV_STR(all)		1169	70.17	1226.51	-32.75	-271.15	120.99	0.00
1089	STL ENV_STR(all)		1168	114.73	743.19	39.09	153.81	127.02	0.00
1089	STL ENV_STR(all)		1170	-103.30	-1223.63	56.73	222.35	-16.32	0.00
1089	STL ENV_STR(all)		1171	-81.61	-746.07	-23.19	-162.57	-45.01	0.00
1090	STL ENV_STR(all)		1171	78.66	1132.61	-38.65	-169.13	52.45	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1090	STL ENV_STR(all)		1170	108.63	639.45	46.84	105.50	155.34	0.00
1090	STL ENV_STR(all)		1137	-109.99	-1126.09	61.04	129.31	66.71	0.00
1090	STL ENV_STR(all)		1136	-77.30	-645.97	-29.36	-115.95	-57.54	0.00
1091	STL ENV_STR(all)		1135	3.93	754.68	13.27	-20.90	19.87	0.00
1091	STL ENV_STR(all)		1134	31.06	658.66	18.21	44.35	31.15	0.00
1091	STL ENV_STR(all)		1172	-31.26	-749.63	15.87	64.51	-4.31	0.00
1091	STL ENV_STR(all)		1173	-3.73	-663.72	-7.47	8.51	-11.89	0.00
1092	STL ENV_STR(all)		1173	3.73	663.72	7.47	-8.51	11.89	0.00
1092	STL ENV_STR(all)		1172	29.23	573.23	18.62	30.30	28.65	0.00
1092	STL ENV_STR(all)		1174	-29.46	-658.89	17.95	35.01	7.77	0.00
1092	STL ENV_STR(all)		1175	-3.50	-578.05	-4.16	1.69	-7.23	0.00
1093	STL ENV_STR(all)		1175	3.50	578.05	4.16	-1.69	7.23	0.00
1093	STL ENV_STR(all)		1174	27.21	493.62	19.00	21.56	27.28	0.00
1093	STL ENV_STR(all)		1141	-27.46	-573.41	19.07	18.61	14.94	0.00
1093	STL ENV_STR(all)		1140	-3.24	-498.26	-2.36	-1.51	-4.57	0.00
1094	STL ENV_STR(all)		1139	79.11	927.29	-41.65	-44.64	-40.84	0.00
1094	STL ENV_STR(all)		1138	95.56	464.32	55.36	55.25	197.76	0.00
1094	STL ENV_STR(all)		1176	-106.90	-918.15	62.23	28.14	167.13	0.00
1094	STL ENV_STR(all)		1177	-67.76	-473.45	-36.06	-60.02	-82.50	0.00
1095	STL ENV_STR(all)		1177	75.86	826.05	-41.63	-15.19	-65.06	0.00
1095	STL ENV_STR(all)		1176	88.64	389.08	57.24	43.35	209.05	0.00
1095	STL ENV_STR(all)		1178	-101.82	-816.52	61.87	5.99	191.43	0.00
1095	STL ENV_STR(all)		1179	-62.69	-398.61	-37.60	-45.69	-89.92	0.00
1096	STL ENV_STR(all)		1179	71.68	728.96	-41.38	1.29	-79.61	0.00
1096	STL ENV_STR(all)		1178	81.58	321.06	58.31	35.84	215.86	0.00
1096	STL ENV_STR(all)		1145	-95.74	-719.27	61.46	-5.93	205.61	0.00
1096	STL ENV_STR(all)		1144	-57.52	-330.74	-38.50	-36.59	-94.55	0.00
1097	STL ENV_STR(all)		1143	2.98	424.64	1.42	2.59	3.08	0.00
1097	STL ENV_STR(all)		1142	22.92	352.95	19.53	12.08	26.16	0.00
1097	STL ENV_STR(all)		1180	-23.19	-420.24	19.89	6.01	21.31	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1097	STL ENV_STR(all)		1181	-2.71	-357.35	-0.96	-2.53	-2.25	0.00
1098	STL ENV_STR(all)		1181	2.71	357.35	0.96	2.53	2.25	0.00
1098	STL ENV_STR(all)		1180	20.75	292.08	19.70	9.36	26.00	0.00
1098	STL ENV_STR(all)		1182	-21.01	-353.01	19.98	4.41	22.56	0.00
1098	STL ENV_STR(all)		1183	-2.44	-296.42	-0.76	-1.93	-1.81	0.00
1099	STL ENV_STR(all)		1183	2.44	296.42	0.76	1.93	1.81	0.00
1099	STL ENV_STR(all)		1182	18.58	237.49	19.85	7.41	25.98	0.00
1099	STL ENV_STR(all)		1149	-18.85	-292.10	19.99	4.11	23.22	0.00
1099	STL ENV_STR(all)		1148	-2.17	-241.81	-0.72	-1.14	-1.59	0.00
1100	STL ENV_STR(all)		1147	62.02	551.08	-40.88	13.86	-92.73	0.00
1100	STL ENV_STR(all)		1146	67.34	205.31	59.29	27.49	222.06	0.00
1100	STL ENV_STR(all)		1184	-82.22	-541.39	60.82	-14.36	218.07	0.00
1100	STL ENV_STR(all)		1185	-47.14	-215.00	-39.36	-26.83	-98.87	0.00
1101	STL ENV_STR(all)		1185	56.90	471.24	-40.68	15.31	-95.38	0.00
1101	STL ENV_STR(all)		1184	60.28	157.17	59.51	25.01	223.38	0.00
1101	STL ENV_STR(all)		1186	-75.17	-461.61	60.61	-15.07	220.52	0.00
1101	STL ENV_STR(all)		1187	-42.02	-166.81	-39.56	-24.18	-99.82	0.00
1102	STL ENV_STR(all)		1187	51.72	397.78	-40.53	15.42	-96.87	0.00
1102	STL ENV_STR(all)		1186	53.36	115.28	59.64	23.19	224.27	0.00
1102	STL ENV_STR(all)		1153	-68.05	-388.23	60.45	-14.87	221.93	0.00
1102	STL ENV_STR(all)		1152	-37.03	-124.83	-39.70	-22.39	-100.46	0.00
1103	STL ENV_STR(all)		1151	1.92	193.36	0.78	0.38	1.51	0.00
1103	STL ENV_STR(all)		1150	14.48	146.49	20.12	5.24	26.26	0.00
1103	STL ENV_STR(all)		1188	-14.71	-189.10	19.89	5.26	23.71	0.00
1103	STL ENV_STR(all)		1189	-1.70	-150.76	-0.91	0.36	-1.55	0.00
1104	STL ENV_STR(all)		1189	1.70	150.76	0.91	-0.36	1.55	0.00
1104	STL ENV_STR(all)		1188	12.70	109.31	20.26	4.71	26.42	0.00
1104	STL ENV_STR(all)		1190	-12.87	-146.70	19.79	6.31	23.74	0.00
1104	STL ENV_STR(all)		1191	-1.53	-113.37	-1.09	1.15	-1.65	0.00
1105	STL ENV_STR(all)		1191	1.53	113.37	1.09	-1.15	1.65	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1105	STL ENV_STR(all)		1190	11.25	76.79	20.41	4.00	26.37	0.00
1105	STL ENV_STR(all)		1157	-11.33	-109.96	19.63	7.55	23.71	0.00
1105	STL ENV_STR(all)		1156	-1.44	-80.20	-1.25	2.48	-1.66	0.00
1106	STL ENV_STR(all)		1155	41.32	270.63	-40.34	13.91	-98.31	0.00
1106	STL ENV_STR(all)		1154	40.48	49.08	59.85	21.08	225.75	0.00
1106	STL ENV_STR(all)		1192	-53.78	-261.53	60.31	-13.27	223.43	0.00
1106	STL ENV_STR(all)		1193	-28.02	-58.18	-39.94	-20.57	-101.51	0.00
1107	STL ENV_STR(all)		1193	36.22	217.30	-40.29	12.97	-98.57	0.00
1107	STL ENV_STR(all)		1192	35.01	23.83	60.00	20.64	226.42	0.00
1107	STL ENV_STR(all)		1194	-46.79	-208.79	60.22	-12.23	223.74	0.00
1107	STL ENV_STR(all)		1195	-24.44	-32.34	-40.06	-19.99	-101.91	0.00
1108	STL ENV_STR(all)		1195	31.36	170.96	-40.28	12.03	-98.35	0.00
1108	STL ENV_STR(all)		1194	30.49	3.00	60.25	20.09	226.72	0.00
1108	STL ENV_STR(all)		1161	-40.15	-163.57	60.37	-10.92	223.96	0.00
1108	STL ENV_STR(all)		1160	-21.70	-10.39	-40.46	-19.09	-101.52	0.00
1109	STL ENV_STR(all)		1159	1.48	49.92	1.15	-6.01	1.32	0.00
1109	STL ENV_STR(all)		1158	9.27	23.38	20.63	-5.88	23.04	0.00
1109	STL ENV_STR(all)		1196	-9.29	-51.29	18.91	11.73	25.24	0.00
1109	STL ENV_STR(all)		1197	-1.46	-22.01	-0.82	13.10	-0.76	0.00
1110	STL ENV_STR(all)		1197	1.46	22.01	0.82	-13.10	0.76	0.00
1110	STL ENV_STR(all)		1196	6.31	6.47	20.00	-14.44	22.71	0.00
1110	STL ENV_STR(all)		1198	-7.61	-26.64	18.82	16.74	24.08	0.00
1110	STL ENV_STR(all)		1199	-0.17	-1.84	0.24	16.85	-0.45	0.00
1111	STL ENV_STR(all)		1199	0.17	1.84	-0.24	-16.85	0.45	0.00
1111	STL ENV_STR(all)		1198	0.56	2.86	18.33	-8.60	29.25	0.00
1111	STL ENV_STR(all)		1200	-0.73	-4.70	21.79	13.47	20.74	0.00
1111	STL ENV_STR(all)		1201	-0.00	0.00	0.00	-0.00	0.00	0.00
1112	STL ENV_STR(all)		1163	24.37	97.01	-40.04	14.64	-95.28	0.00
1112	STL ENV_STR(all)		1162	21.50	-25.16	61.85	11.64	220.30	0.00
1112	STL ENV_STR(all)		1202	-31.75	-93.88	60.22	-10.30	223.55	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1112	STL ENV_STR(all)		1203	-14.12	22.03	-42.15	-3.27	-93.90	0.00
1113	STL ENV_STR(all)		1203	25.07	62.95	-36.41	10.40	-99.63	0.00
1113	STL ENV_STR(all)		1202	9.37	-27.93	58.63	-1.32	213.24	0.00
1113	STL ENV_STR(all)		1204	-34.50	-61.43	52.08	-2.75	218.04	0.00
1113	STL ENV_STR(all)		1205	0.06	26.40	-34.43	8.63	-105.12	0.00
1114	STL ENV_STR(all)		1205	21.55	23.37	-38.01	-15.24	-95.84	0.00
1114	STL ENV_STR(all)		1204	-7.58	-14.43	57.07	5.47	225.90	0.00
1114	STL ENV_STR(all)		1206	-21.45	-21.65	65.76	22.91	222.55	0.00
1114	STL ENV_STR(all)		1207	7.49	12.71	-44.94	-18.85	-95.45	0.00
1115	STL ENV_STR(all)		1089	32.40	250.34	238.30	290.06	28.31	0.00
1115	STL ENV_STR(all)		1110	312.85	-191.79	280.42	117.40	-246.37	0.00
1115	STL ENV_STR(all)		1587	-180.10	-291.84	-432.20	554.74	-237.49	0.00
1115	STL ENV_STR(all)		1578	-165.16	233.30	-85.76	852.49	72.61	0.00
1116	STL ENV_STR(all)		1090	88.48	-169.69	67.68	-1164.46	-70.59	0.00
1116	STL ENV_STR(all)		1113	-422.99	255.06	-465.05	-1039.11	-282.24	0.00
1116	STL ENV_STR(all)		1589	64.78	213.13	-13.03	572.61	-680.97	0.00
1116	STL ENV_STR(all)		1580	269.73	-298.50	411.16	238.51	-162.79	0.00
1117	STL ENV_STR(all)		1095	-63.45	308.74	149.14	-316.89	-40.10	0.00
1117	STL ENV_STR(all)		1116	-11.79	427.45	-191.33	-324.99	-257.80	0.00
1117	STL ENV_STR(all)		1591	76.08	-322.21	-125.89	324.54	-442.28	0.00
1117	STL ENV_STR(all)		1582	-0.84	-413.97	168.83	168.56	-53.74	0.00
1118	STL ENV_STR(all)		1099	116.53	864.90	1.07	82.64	-28.16	0.00
1118	STL ENV_STR(all)		1120	-121.69	909.74	17.82	77.99	37.36	0.00
1118	STL ENV_STR(all)		1123	-224.90	-899.48	-6.19	-38.10	40.74	0.00
1118	STL ENV_STR(all)		1100	230.06	-875.16	-11.62	-28.01	-22.22	0.00
1119	STL ENV_STR(all)		1103	-62.40	1109.57	-165.69	473.14	-232.62	0.00
1119	STL ENV_STR(all)		1124	-14.21	1331.09	-17.91	275.89	335.90	0.00
1119	STL ENV_STR(all)		1323	60.49	-1177.86	213.00	-999.01	448.89	0.00
1119	STL ENV_STR(all)		1320	16.11	-1262.80	1.27	-740.17	-102.60	0.00
1120	STL ENV_STR(all)		1107	13.38	1253.61	-0.44	-438.32	128.10	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1120	STL ENV_STR(all)		1129	61.70	1070.48	9.49	284.47	136.16	0.00
1120	STL ENV_STR(all)		1131	-37.52	-1265.58	11.86	426.62	-141.50	0.00
1120	STL ENV_STR(all)		1108	-37.56	-1058.52	18.97	-297.13	-120.72	0.00
1121	STL ENV_STR(all)		1092	-60.63	185.84	152.10	903.96	-185.94	0.00
1121	STL ENV_STR(all)		1115	26.29	218.88	284.36	770.10	81.08	0.00
1121	STL ENV_STR(all)		1593	45.84	-170.84	-282.82	-228.38	175.96	0.00
1121	STL ENV_STR(all)		1584	-11.51	-233.89	-152.88	80.84	-68.20	0.00
1122	STL ENV_STR(all)		1096	-73.21	488.73	-78.70	-29.53	59.21	0.00
1122	STL ENV_STR(all)		1119	-17.41	658.22	-56.08	126.57	63.43	0.00
1122	STL ENV_STR(all)		1595	101.63	-531.42	83.35	-237.25	3.83	0.00
1122	STL ENV_STR(all)		1586	-11.01	-615.53	52.19	-333.08	-59.25	0.00
1124	STL ENV_STR(all)		1104	-18.47	1222.21	26.47	422.19	-121.93	0.00
1124	STL ENV_STR(all)		1127	17.73	1257.20	97.11	452.76	238.84	0.00
1124	STL ENV_STR(all)		1325	14.93	-1255.45	-35.62	-70.39	209.90	0.00
1124	STL ENV_STR(all)		1322	-14.20	-1223.96	-57.29	-228.26	-211.37	0.00
1125	STL ENV_STR(all)		1111	-24.39	17.60	356.47	110.61	258.56	0.00
1125	STL ENV_STR(all)		730	-32.68	24.52	133.18	547.63	-246.70	0.00
1125	STL ENV_STR(all)		1514	-72.93	54.79	-299.07	852.28	-647.19	0.00
1125	STL ENV_STR(all)		1588	130.00	-96.91	-189.82	202.36	220.31	0.00
1126	STL ENV_STR(all)		1112	-1051.52	-1289.89	-1714.28	-2316.62	2402.06	0.00
1126	STL ENV_STR(all)		733	-170.39	773.37	410.99	-2133.16	-356.88	0.00
1126	STL ENV_STR(all)		1516	669.72	938.51	994.11	-112.67	-380.80	0.00
1126	STL ENV_STR(all)		1590	552.19	-421.99	309.94	3.30	1844.94	0.00
1127	STL ENV_STR(all)		1117	-123.38	58.07	-787.50	-1041.86	1286.82	0.00
1127	STL ENV_STR(all)		736	-315.66	706.92	270.99	-913.32	-229.36	0.00
1127	STL ENV_STR(all)		1518	197.56	-92.08	436.67	69.56	-292.14	0.00
1127	STL ENV_STR(all)		1592	241.48	-672.92	80.60	76.86	1002.93	0.00
1128	STL ENV_STR(all)		1121	-108.68	633.49	-2.79	88.49	-62.14	0.00
1128	STL ENV_STR(all)		740	-208.51	1331.20	5.00	76.26	68.90	0.00
1128	STL ENV_STR(all)		743	104.91	-696.98	11.29	-93.43	79.07	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1128	STL ENV_STR(all)		1122	212.28	-1267.72	-12.42	-59.82	-45.92	0.00
1129	STL ENV_STR(all)		1125	-88.23	1225.64	-242.12	643.51	-669.76	0.00
1129	STL ENV_STR(all)		744	-19.70	1523.14	29.45	381.51	848.94	0.00
1129	STL ENV_STR(all)		1293	113.22	-1307.28	255.50	-1255.75	1076.16	0.00
1129	STL ENV_STR(all)		1324	-5.29	-1441.51	-12.15	-901.95	-580.94	0.00
1130	STL ENV_STR(all)		1114	-122.43	-31.07	284.07	919.47	-150.66	0.00
1130	STL ENV_STR(all)		735	-182.10	382.19	173.08	897.88	-26.07	0.00
1130	STL ENV_STR(all)		1524	119.24	43.95	-287.99	-37.91	-58.61	0.00
1130	STL ENV_STR(all)		1594	185.30	-395.07	-168.39	-180.04	-52.49	0.00
1131	STL ENV_STR(all)		1118	-258.11	325.43	-79.02	67.11	-18.83	0.00
1131	STL ENV_STR(all)		739	-224.10	1023.04	-88.39	9.04	-66.07	0.00
1131	STL ENV_STR(all)		1526	293.10	-348.01	69.01	-363.05	43.17	0.00
1131	STL ENV_STR(all)		1596	189.12	-1000.46	99.16	-300.65	-7.77	0.00
1132	STL ENV_STR(all)		1122	107.30	984.36	86.72	102.28	96.74	0.00
1132	STL ENV_STR(all)		743	-212.88	1307.25	118.20	42.69	-96.85	0.00
1132	STL ENV_STR(all)		1285	-94.38	-1075.14	-77.26	413.42	-50.17	0.00
1132	STL ENV_STR(all)		1292	199.95	-1216.46	-93.92	478.42	110.54	0.00
1133	STL ENV_STR(all)		1126	-56.36	1363.42	112.23	318.82	-432.03	0.00
1133	STL ENV_STR(all)		747	116.30	1298.77	52.43	389.95	430.46	0.00
1133	STL ENV_STR(all)		1297	42.34	-1418.59	-112.06	155.38	262.60	0.00
1133	STL ENV_STR(all)		1326	-102.27	-1243.61	-21.92	-80.54	-449.06	0.00
1134	STL ENV_STR(all)		1128	20.44	1441.85	10.54	-436.47	130.28	0.00
1134	STL ENV_STR(all)		748	184.81	932.46	2.65	313.65	145.93	0.00
1134	STL ENV_STR(all)		751	-64.12	-1465.95	27.90	419.73	-135.73	0.00
1134	STL ENV_STR(all)		1130	-141.13	-908.36	-1.22	-299.80	-117.51	0.00
1135	STL ENV_STR(all)		1133	41.75	940.64	-23.90	-131.45	43.54	0.00
1135	STL ENV_STR(all)		1136	67.90	649.00	29.02	60.17	85.02	0.00
1135	STL ENV_STR(all)		1139	-70.62	-933.88	42.07	84.70	21.87	0.00
1135	STL ENV_STR(all)		1134	-39.03	-655.76	-7.30	-86.13	-24.26	0.00
1136	STL ENV_STR(all)		1137	121.02	1120.40	-63.94	-67.10	-104.27	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1136	STL ENV_STR(all)		803	135.55	443.79	73.51	86.74	329.84	0.00
1136	STL ENV_STR(all)		806	-151.65	-1110.45	84.35	35.02	288.12	0.00
1136	STL ENV_STR(all)		1138	-104.92	-453.74	-54.04	-101.02	-172.64	0.00
1137	STL ENV_STR(all)		1141	33.94	568.63	-21.44	-5.60	-16.21	0.00
1137	STL ENV_STR(all)		1144	50.97	340.90	38.28	19.41	98.44	0.00
1137	STL ENV_STR(all)		1147	-56.05	-561.52	41.06	0.76	90.67	0.00
1137	STL ENV_STR(all)		1142	-28.87	-348.01	-18.02	-21.84	-25.66	0.00
1138	STL ENV_STR(all)		1145	102.41	703.71	-61.55	28.68	-210.59	0.00
1138	STL ENV_STR(all)		811	95.55	177.05	79.30	47.21	391.85	0.00
1138	STL ENV_STR(all)		814	-124.60	-691.39	81.39	-31.09	387.17	0.00
1138	STL ENV_STR(all)		1146	-73.36	-189.37	-59.27	-47.73	-219.43	0.00
1139	STL ENV_STR(all)		1149	23.18	287.26	-20.66	2.06	-23.01	0.00
1139	STL ENV_STR(all)		1152	32.78	135.08	39.58	10.61	100.77	0.00
1139	STL ENV_STR(all)		1155	-37.67	-280.42	40.43	-2.48	98.10	0.00
1139	STL ENV_STR(all)		1150	-18.28	-141.93	-19.48	-10.98	-26.51	0.00
1140	STL ENV_STR(all)		1153	72.18	372.52	-60.45	32.34	-222.37	0.00
1140	STL ENV_STR(all)		819	58.16	21.97	79.81	38.66	399.11	0.00
1140	STL ENV_STR(all)		822	-86.43	-360.53	80.34	-31.93	397.30	0.00
1140	STL ENV_STR(all)		1154	-43.91	-33.96	-59.81	-38.22	-225.40	0.00
1141	STL ENV_STR(all)		1157	13.76	107.27	-20.17	-0.39	-22.44	0.00
1141	STL ENV_STR(all)		1160	19.68	17.05	40.46	6.48	100.09	0.00
1141	STL ENV_STR(all)		1163	-21.82	-103.86	39.91	1.60	97.82	0.00
1141	STL ENV_STR(all)		1158	-11.62	-20.46	-20.32	-3.90	-24.89	0.00
1142	STL ENV_STR(all)		1161	41.71	152.23	-60.72	28.78	-222.51	0.00
1142	STL ENV_STR(all)		827	30.96	-44.39	80.86	35.96	401.77	0.00
1142	STL ENV_STR(all)		830	-48.42	-144.21	81.01	-27.90	398.61	0.00
1142	STL ENV_STR(all)		1162	-24.25	36.37	-61.27	-34.66	-224.07	0.00
1143	STL ENV_STR(all)		1108	28.74	1209.55	-16.80	-454.43	163.18	0.00
1143	STL ENV_STR(all)		1131	70.70	952.42	6.50	200.14	86.07	0.00
1143	STL ENV_STR(all)		1169	-57.76	-1210.77	31.35	354.79	-145.89	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1143	STL ENV_STR(all)		1164	-41.68	-951.20	18.82	-257.48	-60.40	0.00
1144	STL ENV_STR(all)		1164	37.58	1132.77	-23.65	-338.59	129.87	0.00
1144	STL ENV_STR(all)		1169	72.43	843.14	15.49	133.97	75.90	0.00
1144	STL ENV_STR(all)		1171	-67.91	-1128.94	39.00	242.89	-86.17	0.00
1144	STL ENV_STR(all)		1166	-42.11	-846.96	9.04	-187.95	-35.11	0.00
1145	STL ENV_STR(all)		1166	41.28	1039.66	-24.26	-220.60	81.86	0.00
1145	STL ENV_STR(all)		1171	70.86	742.40	22.84	88.80	78.72	0.00
1145	STL ENV_STR(all)		1136	-71.20	-1033.71	41.44	149.44	-24.93	0.00
1145	STL ENV_STR(all)		1133	-40.93	-748.35	-0.15	-128.71	-26.60	0.00
1146	STL ENV_STR(all)		1130	72.54	1402.09	-37.27	-364.96	150.31	0.00
1146	STL ENV_STR(all)		751	173.79	768.47	38.05	230.59	163.14	0.00
1146	STL ENV_STR(all)		862	-113.68	-1408.57	65.78	295.26	-26.81	0.00
1146	STL ENV_STR(all)		1168	-132.65	-761.99	-26.68	-251.12	-81.00	0.00
1147	STL ENV_STR(all)		1168	103.15	1324.38	-56.54	-243.97	61.26	0.00
1147	STL ENV_STR(all)		862	159.25	639.89	57.49	160.56	227.71	0.00
1147	STL ENV_STR(all)		864	-139.96	-1321.69	79.96	176.61	107.27	0.00
1147	STL ENV_STR(all)		1170	-122.43	-642.58	-41.04	-187.79	-106.55	0.00
1148	STL ENV_STR(all)		1170	117.10	1226.77	-62.53	-140.06	-32.47	0.00
1148	STL ENV_STR(all)		864	146.56	534.24	67.82	115.40	286.31	0.00
1148	STL ENV_STR(all)		803	-150.40	-1219.34	83.94	90.66	214.47	0.00
1148	STL ENV_STR(all)		1137	-113.26	-541.68	-49.36	-136.71	-142.71	0.00
1149	STL ENV_STR(all)		1134	40.65	841.65	-23.12	-72.60	16.82	0.00
1149	STL ENV_STR(all)		1139	64.17	562.24	33.11	42.27	90.48	0.00
1149	STL ENV_STR(all)		1177	-68.09	-834.58	41.96	44.03	53.16	0.00
1149	STL ENV_STR(all)		1172	-36.74	-569.31	-12.08	-57.99	-24.21	0.00
1150	STL ENV_STR(all)		1172	38.77	745.71	-22.41	-36.82	-0.12	0.00
1150	STL ENV_STR(all)		1177	59.99	481.98	35.73	31.18	94.39	0.00
1150	STL ENV_STR(all)		1179	-64.54	-738.54	41.66	20.29	72.62	0.00
1150	STL ENV_STR(all)		1174	-34.21	-489.14	-15.10	-40.11	-24.74	0.00
1151	STL ENV_STR(all)		1174	36.47	654.41	-21.86	-16.46	-10.31	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1151	STL ENV_STR(all)		1179	55.54	408.20	37.33	24.11	96.91	0.00
1151	STL ENV_STR(all)		1144	-60.44	-647.25	41.34	7.32	84.11	0.00
1151	STL ENV_STR(all)		1141	-31.57	-415.36	-16.93	-28.91	-25.27	0.00
1152	STL ENV_STR(all)		1138	119.52	1011.82	-63.56	-20.93	-152.57	0.00
1152	STL ENV_STR(all)		806	125.25	364.53	76.47	69.31	358.31	0.00
1152	STL ENV_STR(all)		872	-147.89	-1000.55	83.61	1.81	334.62	0.00
1152	STL ENV_STR(all)		1176	-96.89	-375.80	-56.64	-77.70	-193.56	0.00
1153	STL ENV_STR(all)		1176	115.15	904.87	-62.83	6.21	-182.62	0.00
1153	STL ENV_STR(all)		872	115.22	294.36	78.05	58.53	375.84	0.00
1153	STL ENV_STR(all)		874	-141.40	-892.94	82.72	-16.80	362.39	0.00
1153	STL ENV_STR(all)		1178	-88.97	-306.29	-58.06	-62.94	-206.86	0.00
1154	STL ENV_STR(all)		1178	109.21	801.75	-62.11	21.11	-200.43	0.00
1154	STL ENV_STR(all)		874	105.33	232.10	78.86	51.73	386.06	0.00
1154	STL ENV_STR(all)		811	-133.41	-789.53	81.96	-26.50	378.31	0.00
1154	STL ENV_STR(all)		1145	-81.13	-244.32	-58.84	-53.66	-214.84	0.00
1155	STL ENV_STR(all)		1142	31.30	488.82	-21.14	-0.30	-19.54	0.00
1155	STL ENV_STR(all)		1147	46.35	280.03	38.86	16.11	99.35	0.00
1155	STL ENV_STR(all)		1185	-51.50	-481.77	40.83	-2.16	94.32	0.00
1155	STL ENV_STR(all)		1180	-26.15	-287.08	-18.67	-17.26	-25.91	0.00
1156	STL ENV_STR(all)		1180	28.60	415.25	-20.92	1.90	-21.40	0.00
1156	STL ENV_STR(all)		1185	41.74	225.53	39.20	13.69	99.92	0.00
1156	STL ENV_STR(all)		1187	-46.89	-408.26	40.66	-3.12	96.34	0.00
1156	STL ENV_STR(all)		1182	-23.45	-232.53	-19.06	-14.23	-26.10	0.00
1157	STL ENV_STR(all)		1182	25.88	348.04	-20.76	2.42	-22.43	0.00
1157	STL ENV_STR(all)		1187	37.19	177.29	39.43	11.89	100.35	0.00
1157	STL ENV_STR(all)		1152	-42.26	-341.11	40.52	-3.06	97.45	0.00
1157	STL ENV_STR(all)		1149	-20.80	-184.22	-19.31	-12.23	-26.28	0.00
1158	STL ENV_STR(all)		1146	95.14	611.44	-61.13	32.06	-216.27	0.00
1158	STL ENV_STR(all)		814	85.89	128.77	79.53	44.03	395.08	0.00
1158	STL ENV_STR(all)		880	-115.35	-599.11	80.98	-32.86	392.03	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1158	STL ENV_STR(all)		1184	-65.68	-141.10	-59.51	-43.82	-222.03	0.00
1159	STL ENV_STR(all)		1184	87.62	525.32	-60.82	33.17	-219.42	0.00
1159	STL ENV_STR(all)		880	76.38	87.00	79.67	41.69	396.93	0.00
1159	STL ENV_STR(all)		882	-105.86	-513.04	80.68	-33.16	394.70	0.00
1159	STL ENV_STR(all)		1186	-58.14	-99.28	-59.65	-41.17	-223.56	0.00
1160	STL ENV_STR(all)		1186	79.95	445.61	-60.60	33.05	-221.23	0.00
1160	STL ENV_STR(all)		882	67.08	51.49	79.75	39.93	398.12	0.00
1160	STL ENV_STR(all)		819	-96.21	-433.43	80.48	-32.71	396.28	0.00
1160	STL ENV_STR(all)		1153	-50.82	-63.67	-59.75	-39.38	-224.56	0.00
1161	STL ENV_STR(all)		1150	20.53	232.93	-20.60	1.25	-23.31	0.00
1161	STL ENV_STR(all)		1155	28.65	98.56	39.71	9.78	101.24	0.00
1161	STL ENV_STR(all)		1193	-33.19	-226.28	40.39	-1.65	98.47	0.00
1161	STL ENV_STR(all)		1188	-15.99	-105.21	-19.62	-10.27	-26.74	0.00
1162	STL ENV_STR(all)		1188	17.99	185.00	-20.53	0.30	-23.39	0.00
1162	STL ENV_STR(all)		1193	25.00	67.16	39.84	9.25	101.60	0.00
1162	STL ENV_STR(all)		1195	-28.93	-178.79	40.30	-0.61	98.61	0.00
1162	STL ENV_STR(all)		1190	-14.06	-73.37	-19.73	-9.68	-26.97	0.00
1163	STL ENV_STR(all)		1190	15.68	143.29	-20.48	-0.63	-23.14	0.00
1163	STL ENV_STR(all)		1195	22.01	40.17	40.04	8.57	101.65	0.00
1163	STL ENV_STR(all)		1160	-25.05	-138.03	40.33	0.58	98.56	0.00
1163	STL ENV_STR(all)		1157	-12.65	-45.42	-20.02	-8.59	-26.54	0.00
1164	STL ENV_STR(all)		1154	64.33	306.34	-60.36	31.32	-223.14	0.00
1164	STL ENV_STR(all)		822	49.88	-1.92	79.88	37.86	400.11	0.00
1164	STL ENV_STR(all)		888	-76.53	-294.70	80.29	-30.88	398.20	0.00
1164	STL ENV_STR(all)		1192	-37.68	-9.72	-59.93	-37.60	-226.20	0.00
1165	STL ENV_STR(all)		1192	56.45	247.42	-60.38	30.23	-223.64	0.00
1165	STL ENV_STR(all)		888	42.57	-20.67	80.02	37.42	401.21	0.00
1165	STL ENV_STR(all)		890	-66.59	-236.46	80.34	-29.94	398.85	0.00
1165	STL ENV_STR(all)		1194	-32.43	9.71	-60.10	-37.26	-226.78	0.00
1166	STL ENV_STR(all)		1194	48.73	196.07	-60.37	29.39	-223.68	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1166	STL ENV_STR(all)		890	36.42	-34.80	80.34	37.15	401.90	0.00
1166	STL ENV_STR(all)		827	-56.91	-186.28	80.36	-28.47	399.46	0.00
1166	STL ENV_STR(all)		1161	-28.25	25.01	-60.45	-36.33	-226.98	0.00
1167	STL ENV_STR(all)		1158	12.52	75.47	-19.52	0.73	-21.97	0.00
1167	STL ENV_STR(all)		1163	16.77	-1.30	41.06	-0.63	96.28	0.00
1167	STL ENV_STR(all)		1203	-19.92	-74.73	39.57	3.48	99.49	0.00
1167	STL ENV_STR(all)		1196	-9.38	0.57	-21.24	7.64	-22.49	0.00
1168	STL ENV_STR(all)		1196	12.35	44.26	-17.68	-4.93	-25.46	0.00
1168	STL ENV_STR(all)		1203	8.97	-10.25	38.99	-10.61	94.03	0.00
1168	STL ENV_STR(all)		1205	-20.10	-45.06	35.22	10.26	96.89	0.00
1168	STL ENV_STR(all)		1198	-1.21	11.05	-16.65	14.45	-30.05	0.00
1169	STL ENV_STR(all)		1198	8.26	12.73	-20.49	-22.59	-23.28	0.00
1169	STL ENV_STR(all)		1205	-1.50	-4.71	37.22	-3.65	104.07	0.00
1169	STL ENV_STR(all)		1207	-7.49	-12.71	44.94	18.85	95.45	0.00
1169	STL ENV_STR(all)		1200	0.73	4.70	-21.79	-13.47	-20.74	0.00
1170	STL ENV_STR(all)		1162	37.19	114.65	-60.93	33.37	-218.90	0.00
1170	STL ENV_STR(all)		830	23.59	-48.71	82.77	31.02	396.22	0.00
1170	STL ENV_STR(all)		896	-44.34	-109.00	81.31	-29.63	397.48	0.00
1170	STL ENV_STR(all)		1202	-16.44	43.06	-63.28	-22.01	-215.26	0.00
1171	STL ENV_STR(all)		1202	38.82	78.75	-55.57	33.63	-221.52	0.00
1171	STL ENV_STR(all)		896	7.89	-45.76	79.44	15.23	381.58	0.00
1171	STL ENV_STR(all)		898	-49.69	-75.42	69.80	-22.14	388.76	0.00
1171	STL ENV_STR(all)		1204	2.97	42.44	-53.79	-1.16	-226.09	0.00
1172	STL ENV_STR(all)		1204	39.11	33.42	-55.37	-1.55	-217.86	0.00
1172	STL ENV_STR(all)		898	-17.81	-24.67	76.89	14.39	393.22	0.00
1172	STL ENV_STR(all)		900	-42.75	-30.40	84.11	20.26	399.78	0.00
1172	STL ENV_STR(all)		1206	21.45	21.65	-65.76	-22.91	-222.55	0.00
1173	STL ENV_STR(all)		1208	-623.18	2828.76	-715.42	-147.85	2130.76	0.00
1173	STL ENV_STR(all)		1209	1203.22	1237.53	785.86	146.19	86.87	0.00
1173	STL ENV_STR(all)		757	475.40	-2512.02	1275.72	338.59	-164.69	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1173	STL ENV_STR(all)		5	-1055.44	-1554.27	-1312.41	-28.96	3055.40	0.00
1174	STL ENV_STR(all)		1210	47.37	2129.63	-185.97	-999.29	-313.79	0.00
1174	STL ENV_STR(all)		1211	379.98	993.27	-356.33	-415.74	404.51	0.00
1174	STL ENV_STR(all)		794	9.01	-1932.80	222.86	-488.63	352.60	0.00
1174	STL ENV_STR(all)		793	-436.36	-1190.10	353.18	-1171.44	-819.89	0.00
1175	STL ENV_STR(all)		1209	-211.16	2512.34	-262.63	-751.55	161.92	0.00
1175	STL ENV_STR(all)		1210	748.27	1035.70	-78.82	-57.72	560.91	0.00
1175	STL ENV_STR(all)		793	183.78	-2216.54	514.20	-170.97	464.09	0.00
1175	STL ENV_STR(all)		757	-720.89	-1331.50	-139.01	-985.21	-143.18	0.00
1176	STL ENV_STR(all)		1211	180.14	1835.22	-177.79	-904.28	-259.20	0.00
1176	STL ENV_STR(all)		1212	139.70	990.65	-343.56	-578.80	178.65	0.00
1176	STL ENV_STR(all)		945	-85.97	-1693.91	140.35	-549.89	145.60	0.00
1176	STL ENV_STR(all)		794	-233.88	-1131.97	414.74	-929.01	-615.22	0.00
1177	STL ENV_STR(all)		1212	220.51	1582.84	-166.00	-732.08	-115.67	0.00
1177	STL ENV_STR(all)		1213	-11.40	1028.58	-262.52	-583.84	22.26	0.00
1177	STL ENV_STR(all)		975	-114.29	-1488.38	117.59	-486.04	-11.16	0.00
1177	STL ENV_STR(all)		945	-94.82	-1123.04	344.67	-650.08	-299.77	0.00
1178	STL ENV_STR(all)		1214	154.04	1235.29	-125.23	-498.70	93.06	0.00
1178	STL ENV_STR(all)		1215	-127.27	1153.27	-129.27	-391.00	-86.18	0.00
1178	STL ENV_STR(all)		994	-46.45	-1212.00	104.96	-254.45	-183.55	0.00
1178	STL ENV_STR(all)		993	19.69	-1176.56	183.29	-350.88	73.77	0.00
1179	STL ENV_STR(all)		1213	206.77	1377.07	-140.26	-587.79	1.31	0.00
1179	STL ENV_STR(all)		1214	-102.39	1093.28	-195.67	-515.27	-72.86	0.00
1179	STL ENV_STR(all)		993	-94.40	-1322.73	104.65	-387.98	-128.76	0.00
1179	STL ENV_STR(all)		975	-9.98	-1147.62	265.02	-451.76	-69.29	0.00
1180	STL ENV_STR(all)		1215	17.73	1229.17	-161.53	-500.55	120.45	0.00
1180	STL ENV_STR(all)		1216	37.97	963.86	-105.91	-411.99	34.28	0.00
1180	STL ENV_STR(all)		1065	-12.90	-1086.24	172.56	-283.49	-144.44	0.00
1180	STL ENV_STR(all)		994	-42.80	-1106.79	128.62	-370.33	114.21	0.00
1181	STL ENV_STR(all)		1208	367.32	1637.26	1.51	4.02	0.57	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1181	STL ENV_STR(all)		5	-3518.75	4399.91	1.37	4.13	0.99	0.00
1181	STL ENV_STR(all)		1342	420.66	-2961.85	-0.87	-0.71	0.67	0.00
1181	STL ENV_STR(all)		1346	2730.77	-3075.17	-2.02	-0.13	0.63	0.00
1182	STL ENV_STR(all)		1218	-1476.40	281.62	-0.14	-0.24	0.34	0.00
1182	STL ENV_STR(all)		119	-773.12	1660.73	0.16	-0.55	-0.49	0.00
1182	STL ENV_STR(all)		1356	1807.94	-638.32	0.09	0.25	0.41	0.00
1182	STL ENV_STR(all)		1358	441.57	-1303.89	-0.12	0.66	1.18	0.00
1183	STL ENV_STR(all)		1217	-958.28	958.19	-0.10	0.23	0.83	0.00
1183	STL ENV_STR(all)		475	-2052.04	3074.65	0.39	0.16	0.05	0.00
1183	STL ENV_STR(all)		1408	1358.87	-1703.52	0.06	0.05	0.45	0.00
1183	STL ENV_STR(all)		1412	1651.45	-2329.17	-0.36	0.40	1.23	0.00
1184	STL ENV_STR(all)		1219	-2008.15	-477.43	-0.09	-0.22	0.20	0.00
1184	STL ENV_STR(all)		486	352.23	425.87	0.04	-0.71	-0.48	0.00
1184	STL ENV_STR(all)		1422	2393.95	323.77	0.20	0.07	0.53	0.00
1184	STL ENV_STR(all)		1424	-738.03	-272.06	-0.15	0.72	1.10	0.00
1185	STL ENV_STR(all)		1221	-106.22	-2295.14	-75.14	107.87	40.92	0.00
1185	STL ENV_STR(all)		1222	187.73	-2553.92	78.08	226.36	124.10	0.00
1185	STL ENV_STR(all)		628	-41.51	2374.68	22.49	-145.09	94.42	0.00
1185	STL ENV_STR(all)		33	-40.01	2474.38	-25.21	-203.27	-8.73	0.00
1186	STL ENV_STR(all)		1220	404.19	-3557.07	-201.16	315.53	577.09	0.00
1186	STL ENV_STR(all)		1223	-814.92	-2327.59	334.16	308.54	64.52	0.00
1186	STL ENV_STR(all)		634	-246.78	3231.93	121.28	22.81	32.99	0.00
1186	STL ENV_STR(all)		12	657.52	2652.73	-254.06	48.91	466.38	0.00
1187	STL ENV_STR(all)		1224	419.91	-2142.42	111.98	365.47	-155.50	0.00
1187	STL ENV_STR(all)		1225	-30.40	-3247.40	35.45	409.90	73.31	0.00
1187	STL ENV_STR(all)		642	-422.03	2390.31	-127.62	32.63	4.90	0.00
1187	STL ENV_STR(all)		126	32.52	2999.52	-19.58	-30.34	-155.94	0.00
1188	STL ENV_STR(all)		1226	-135.39	-2868.70	76.15	358.24	-161.07	0.00
1188	STL ENV_STR(all)		1227	-117.00	-2166.75	33.47	327.03	118.75	0.00
1188	STL ENV_STR(all)		646	47.84	2722.09	-60.60	-67.12	110.86	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1188	STL ENV_STR(all)		130	204.55	2313.37	-48.80	-46.44	-135.09	0.00
1189	STL ENV_STR(all)		1222	110.51	-2176.08	33.15	325.16	-117.80	0.00
1189	STL ENV_STR(all)		1224	140.01	-2870.59	76.17	359.87	161.98	0.00
1189	STL ENV_STR(all)		126	-200.89	2319.45	-48.74	-45.26	134.18	0.00
1189	STL ENV_STR(all)		628	-49.63	2727.22	-60.35	-69.91	-111.64	0.00
1190	STL ENV_STR(all)		1223	34.19	-3245.81	35.31	408.09	-72.31	0.00
1190	STL ENV_STR(all)		1226	-423.90	-2138.37	112.12	367.03	156.43	0.00
1190	STL ENV_STR(all)		130	-34.35	2996.01	-19.53	-28.34	155.27	0.00
1190	STL ENV_STR(all)		634	424.07	2388.17	-127.67	31.02	-5.67	0.00
1191	STL ENV_STR(all)		1225	814.18	-2328.38	333.74	306.82	-63.67	0.00
1191	STL ENV_STR(all)		1220	-402.71	-3557.95	-200.73	317.45	-575.17	0.00
1191	STL ENV_STR(all)		12	-657.39	2652.08	-253.86	50.71	-466.68	0.00
1191	STL ENV_STR(all)		642	245.93	3234.25	121.07	20.78	-33.87	0.00
1192	STL ENV_STR(all)		1227	-183.55	-2550.12	77.93	223.61	-123.40	0.00
1192	STL ENV_STR(all)		1228	98.89	-2278.56	-76.47	104.85	-41.13	0.00
1192	STL ENV_STR(all)		40	38.75	2464.82	-24.34	-203.72	7.61	0.00
1192	STL ENV_STR(all)		646	45.92	2363.86	23.10	-146.79	-94.92	0.00
1193	STL ENV_STR(all)		1058	-246.95	-271.42	218.12	62.20	-29.00	0.00
1193	STL ENV_STR(all)		1229	-247.17	246.34	196.91	36.65	-114.51	0.00
1193	STL ENV_STR(all)		1597	325.61	330.01	-298.72	634.77	-59.95	0.00
1193	STL ENV_STR(all)		1572	168.51	-304.92	-115.41	716.96	-99.94	0.00
1194	STL ENV_STR(all)		1059	-85.65	232.48	-46.61	-968.60	-183.06	0.00
1194	STL ENV_STR(all)		1230	248.79	79.20	-232.90	-966.85	6.52	0.00
1194	STL ENV_STR(all)		1598	12.69	-269.60	28.50	529.44	-248.91	0.00
1194	STL ENV_STR(all)		1573	-175.83	-42.08	251.93	426.31	-188.95	0.00
1195	STL ENV_STR(all)		1061	-89.51	306.06	-17.74	-32.31	-43.02	0.00
1195	STL ENV_STR(all)		1232	-48.46	440.66	51.80	45.75	160.59	0.00
1195	STL ENV_STR(all)		1599	96.39	-279.66	16.19	35.12	136.05	0.00
1195	STL ENV_STR(all)		1574	41.59	-467.06	-49.35	69.57	-50.98	0.00
1196	STL ENV_STR(all)		1063	-95.10	255.03	15.76	44.33	5.18	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1196	STL ENV_STR(all)		1234	-564.61	827.06	5.44	46.67	-7.94	0.00
1196	STL ENV_STR(all)		1235	-181.51	272.37	5.43	12.23	1.54	0.00
1196	STL ENV_STR(all)		1064	841.22	-1354.46	-25.33	1.18	32.90	0.00
1197	STL ENV_STR(all)		1060	-108.71	210.62	86.98	357.24	-88.75	0.00
1197	STL ENV_STR(all)		1231	-22.55	383.68	39.17	565.07	228.45	0.00
1197	STL ENV_STR(all)		1600	108.12	-230.53	-71.62	-123.00	59.21	0.00
1197	STL ENV_STR(all)		1575	23.14	-363.77	-53.63	-359.66	-297.64	0.00
1198	STL ENV_STR(all)		1062	-110.02	399.39	-28.66	122.35	-129.55	0.00
1198	STL ENV_STR(all)		1233	-85.66	548.75	-28.22	-22.43	-6.28	0.00
1198	STL ENV_STR(all)		1601	109.57	-320.44	8.66	-196.07	80.22	0.00
1198	STL ENV_STR(all)		1576	86.10	-627.70	49.13	-104.04	-4.36	0.00
1199	STL ENV_STR(all)		1229	-79.29	-257.71	190.05	142.86	114.51	0.00
1199	STL ENV_STR(all)		1236	-293.78	151.63	206.25	51.42	-152.08	0.00
1199	STL ENV_STR(all)		1602	77.51	283.72	-192.90	466.97	-146.70	0.00
1199	STL ENV_STR(all)		1597	295.57	-177.65	-202.48	723.24	225.46	0.00
1200	STL ENV_STR(all)		1230	-411.61	306.54	160.44	-1630.20	-20.70	0.00
1200	STL ENV_STR(all)		1237	459.23	565.96	-993.69	-1854.87	-1333.90	0.00
1200	STL ENV_STR(all)		1603	159.27	-621.88	225.98	256.12	-1034.70	0.00
1200	STL ENV_STR(all)		1598	-206.90	-250.63	608.18	310.79	85.39	0.00
1201	STL ENV_STR(all)		1232	-106.69	231.21	9.95	60.37	-67.19	0.00
1201	STL ENV_STR(all)		1239	-80.05	422.01	27.28	125.82	121.30	0.00
1201	STL ENV_STR(all)		1604	107.09	-204.14	-8.16	-31.17	93.81	0.00
1201	STL ENV_STR(all)		1599	79.65	-449.08	-28.16	-25.92	-91.88	0.00
1202	STL ENV_STR(all)		1234	57.00	-27.67	9.47	20.62	3.56	0.00
1202	STL ENV_STR(all)		1241	-237.04	230.78	-1.53	23.08	-8.85	0.00
1202	STL ENV_STR(all)		1242	-1.48	69.27	-0.36	5.30	-0.52	0.00
1202	STL ENV_STR(all)		1235	181.51	-272.37	-6.28	-12.23	-1.54	0.00
1203	STL ENV_STR(all)		1231	-138.48	233.46	47.73	307.72	-46.95	0.00
1203	STL ENV_STR(all)		1238	-2.89	406.72	23.41	433.14	167.44	0.00
1203	STL ENV_STR(all)		1605	112.77	-241.76	-41.15	-166.39	44.30	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1203	STL ENV_STR(all)		1600	28.61	-398.43	-29.07	-327.72	-219.51	0.00
1204	STL ENV_STR(all)		1233	-118.23	235.70	5.82	101.51	-97.98	0.00
1204	STL ENV_STR(all)		1240	-115.57	431.50	-7.98	11.05	-7.58	0.00
1204	STL ENV_STR(all)		1606	110.69	-158.72	-15.14	-91.44	45.87	0.00
1204	STL ENV_STR(all)		1601	123.11	-508.47	18.21	-29.72	-10.87	0.00
1205	STL ENV_STR(all)		1236	29.40	-153.03	211.15	64.47	152.08	0.00
1205	STL ENV_STR(all)		1243	-174.05	65.44	195.49	113.08	-147.43	0.00
1205	STL ENV_STR(all)		1607	56.21	103.30	-223.23	741.88	-253.07	0.00
1205	STL ENV_STR(all)		1602	88.44	-15.71	-182.50	501.55	164.77	0.00
1206	STL ENV_STR(all)		1237	820.90	1159.39	-944.29	-1868.59	1331.63	0.00
1206	STL ENV_STR(all)		1244	-29.48	-167.19	135.51	-1630.61	-85.93	0.00
1206	STL ENV_STR(all)		1608	-450.87	-755.98	543.46	384.45	-209.33	0.00
1206	STL ENV_STR(all)		1603	-340.55	-236.22	266.24	281.91	999.64	0.00
1207	STL ENV_STR(all)		1239	-91.34	195.79	21.18	110.29	-51.24	0.00
1207	STL ENV_STR(all)		1246	-77.72	370.47	12.55	162.20	63.28	0.00
1207	STL ENV_STR(all)		1609	86.00	-173.22	-18.29	-76.10	45.99	0.00
1207	STL ENV_STR(all)		1604	83.06	-393.04	-14.53	-79.64	-76.58	0.00
1208	STL ENV_STR(all)		1241	44.64	31.89	3.37	7.29	3.26	0.00
1208	STL ENV_STR(all)		1248	-67.06	43.88	-2.28	1.92	-10.43	0.00
1208	STL ENV_STR(all)		1249	20.94	-6.51	-0.40	-1.58	-3.30	0.00
1208	STL ENV_STR(all)		1242	1.48	-69.26	0.60	-5.30	0.52	0.00
1209	STL ENV_STR(all)		1238	-101.10	272.60	60.48	268.35	-68.81	0.00
1209	STL ENV_STR(all)		1245	1.21	385.60	3.63	412.36	77.26	0.00
1209	STL ENV_STR(all)		1610	72.40	-269.02	-54.18	-160.38	7.03	0.00
1209	STL ENV_STR(all)		1605	27.49	-389.18	-9.02	-298.38	-168.60	0.00
1210	STL ENV_STR(all)		1240	-88.45	131.86	18.38	79.36	-53.63	0.00
1210	STL ENV_STR(all)		1247	-92.93	280.33	1.93	18.87	-18.60	0.00
1210	STL ENV_STR(all)		1611	72.05	-68.71	-19.43	-36.26	18.75	0.00
1210	STL ENV_STR(all)		1606	109.34	-343.48	0.02	7.95	-0.22	0.00
1211	STL ENV_STR(all)		1243	-1.68	-60.61	199.97	-27.79	147.43	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1211	STL ENV_STR(all)		1250	-78.35	19.00	190.54	-5.13	0.00	0.00
1211	STL ENV_STR(all)		1612	40.18	74.52	-116.16	744.73	-19.59	0.00
1211	STL ENV_STR(all)		1607	39.85	-32.91	-273.45	653.11	94.40	0.00
1212	STL ENV_STR(all)		1244	194.98	170.94	-183.24	-987.63	95.61	0.00
1212	STL ENV_STR(all)		1251	27.84	-164.52	-37.27	-983.75	17.66	0.00
1212	STL ENV_STR(all)		1613	-122.04	-95.41	175.52	553.09	-17.80	0.00
1212	STL ENV_STR(all)		1608	-100.78	88.99	45.90	644.85	317.92	0.00
1213	STL ENV_STR(all)		1246	-45.33	210.57	20.51	146.73	-17.36	0.00
1213	STL ENV_STR(all)		1253	-32.10	283.34	11.03	168.00	12.08	0.00
1213	STL ENV_STR(all)		1614	33.07	-193.00	-20.25	-104.23	11.16	0.00
1213	STL ENV_STR(all)		1609	44.36	-300.92	-10.38	-101.51	-34.89	0.00
1214	STL ENV_STR(all)		1248	23.25	28.37	-0.42	3.10	1.64	0.00
1214	STL ENV_STR(all)		1255	-2.31	-34.90	1.20	-4.05	-3.29	0.00
1214	STL ENV_STR(all)		1256	0.00	0.01	0.00	-0.00	-0.00	0.00
1214	STL ENV_STR(all)		1249	-20.94	6.52	0.52	1.58	3.30	0.00
1215	STL ENV_STR(all)		1245	-51.53	316.28	44.13	241.37	-59.79	0.00
1215	STL ENV_STR(all)		1252	-18.49	454.29	-61.28	254.86	34.65	0.00
1215	STL ENV_STR(all)		1615	33.76	-372.54	4.03	-257.51	-35.86	0.00
1215	STL ENV_STR(all)		1610	36.26	-398.03	14.03	-301.54	-112.21	0.00
1216	STL ENV_STR(all)		1247	-41.49	76.41	24.69	76.76	-20.72	0.00
1216	STL ENV_STR(all)		1254	-32.00	100.64	29.12	49.71	-22.62	0.00
1216	STL ENV_STR(all)		1616	29.09	-14.90	-33.70	21.23	15.56	0.00
1216	STL ENV_STR(all)		1611	44.41	-162.15	-19.19	39.22	12.74	0.00
1217	STL ENV_STR(all)		1257	78.81	19.27	191.52	-4.71	-0.00	0.00
1217	STL ENV_STR(all)		1258	1.95	-61.15	200.44	-26.45	-147.55	0.00
1217	STL ENV_STR(all)		1618	-40.35	-33.23	-274.35	655.02	-95.05	0.00
1217	STL ENV_STR(all)		1617	-40.41	75.12	-116.71	746.13	19.07	0.00
1218	STL ENV_STR(all)		1260	-27.77	-165.62	-37.01	-985.84	-17.23	0.00
1218	STL ENV_STR(all)		1259	-195.13	170.12	-183.69	-988.87	-95.26	0.00
1218	STL ENV_STR(all)		1620	100.79	89.90	45.92	646.83	-319.38	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1218	STL ENV_STR(all)		1619	122.11	-94.40	175.69	553.79	17.16	0.00
1219	STL ENV_STR(all)		1263	32.27	281.39	12.08	167.61	-11.19	0.00
1219	STL ENV_STR(all)		1264	45.52	208.45	21.06	147.45	17.69	0.00
1219	STL ENV_STR(all)		1622	-44.60	-299.22	-11.06	-98.41	34.02	0.00
1219	STL ENV_STR(all)		1621	-33.20	-190.62	-21.17	-102.07	-11.92	0.00
1220	STL ENV_STR(all)		1267	1.88	-35.78	0.93	-5.68	3.57	0.00
1220	STL ENV_STR(all)		1268	-23.35	28.36	-0.37	2.69	-1.09	0.00
1220	STL ENV_STR(all)		1269	21.47	7.42	0.71	2.56	-3.38	0.00
1220	STL ENV_STR(all)		1270	-0.00	0.00	0.03	-0.00	0.00	0.00
1221	STL ENV_STR(all)		1262	18.81	453.68	-60.64	257.61	-33.95	0.00
1221	STL ENV_STR(all)		1261	51.88	314.72	45.01	245.65	61.32	0.00
1221	STL ENV_STR(all)		1624	-36.69	-397.25	13.54	-301.71	112.07	0.00
1221	STL ENV_STR(all)		1623	-34.00	-371.15	3.00	-259.03	34.93	0.00
1222	STL ENV_STR(all)		1266	32.07	97.98	29.77	46.02	23.21	0.00
1222	STL ENV_STR(all)		1265	41.47	74.19	24.74	73.98	20.34	0.00
1222	STL ENV_STR(all)		1626	-44.49	-159.99	-19.81	44.22	-14.25	0.00
1222	STL ENV_STR(all)		1625	-29.05	-12.18	-33.79	25.15	-15.94	0.00
1223	STL ENV_STR(all)		1258	174.68	65.92	196.47	113.56	147.55	0.00
1223	STL ENV_STR(all)		1271	-29.04	-153.67	211.42	66.33	-152.23	0.00
1223	STL ENV_STR(all)		1627	-88.87	-16.23	-183.18	502.91	-165.73	0.00
1223	STL ENV_STR(all)		1618	-56.77	103.97	-223.81	742.57	252.83	0.00
1224	STL ENV_STR(all)		1259	30.04	-167.92	135.88	-1635.50	86.57	0.00
1224	STL ENV_STR(all)		1272	-821.29	1158.19	-947.09	-1872.67	-1334.80	0.00
1224	STL ENV_STR(all)		1628	340.31	-235.22	266.93	282.85	-1003.08	0.00
1224	STL ENV_STR(all)		1620	450.94	-755.05	545.19	384.00	209.00	0.00
1225	STL ENV_STR(all)		1264	78.25	369.29	12.95	160.96	-62.15	0.00
1225	STL ENV_STR(all)		1274	91.70	193.76	21.58	110.76	51.10	0.00
1225	STL ENV_STR(all)		1629	-83.65	-392.04	-15.07	-77.20	75.37	0.00
1225	STL ENV_STR(all)		1622	-86.30	-171.01	-18.55	-74.99	-46.22	0.00
1226	STL ENV_STR(all)		1268	65.13	41.73	-3.39	-0.06	10.76	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1226	STL ENV_STR(all)		1276	-44.54	32.89	2.86	4.45	-1.60	0.00
1226	STL ENV_STR(all)		1277	0.89	-67.19	2.37	-7.63	1.18	0.00
1226	STL ENV_STR(all)		1269	-21.47	-7.42	-0.54	-2.56	3.38	0.00
1227	STL ENV_STR(all)		1261	-0.61	385.03	4.10	414.43	-77.02	0.00
1227	STL ENV_STR(all)		1273	101.61	270.79	61.00	272.57	70.40	0.00
1227	STL ENV_STR(all)		1630	-28.15	-388.66	-9.53	-298.68	168.30	0.00
1227	STL ENV_STR(all)		1624	-72.84	-267.16	-54.66	-162.89	-8.53	0.00
1228	STL ENV_STR(all)		1265	93.15	278.29	2.52	14.32	20.08	0.00
1228	STL ENV_STR(all)		1275	87.99	130.07	18.37	76.18	52.50	0.00
1228	STL ENV_STR(all)		1631	-109.68	-341.41	-0.51	13.75	-2.22	0.00
1228	STL ENV_STR(all)		1626	-71.46	-66.95	-19.47	-32.32	-18.33	0.00
1229	STL ENV_STR(all)		1271	294.32	152.10	207.38	51.91	152.23	0.00
1229	STL ENV_STR(all)		1278	79.66	-258.37	190.23	145.22	-114.58	0.00
1229	STL ENV_STR(all)		1632	-296.09	-178.04	-203.27	725.20	-226.76	0.00
1229	STL ENV_STR(all)		1627	-77.89	284.31	-193.43	466.76	146.07	0.00
1230	STL ENV_STR(all)		1272	-460.21	564.51	-996.32	-1860.19	1338.08	0.00
1230	STL ENV_STR(all)		1279	412.15	306.12	160.88	-1633.65	21.06	0.00
1230	STL ENV_STR(all)		1633	207.28	-249.69	609.63	312.09	-86.38	0.00
1230	STL ENV_STR(all)		1628	-159.22	-620.94	226.72	255.91	1036.81	0.00
1231	STL ENV_STR(all)		1274	80.84	421.40	27.77	125.36	-119.74	0.00
1231	STL ENV_STR(all)		1281	107.15	229.31	10.53	61.30	66.67	0.00
1231	STL ENV_STR(all)		1634	-80.54	-448.64	-28.65	-23.93	90.46	0.00
1231	STL ENV_STR(all)		1629	-107.44	-202.07	-8.73	-29.88	-93.21	0.00
1232	STL ENV_STR(all)		1276	233.12	226.99	-4.71	28.47	6.66	0.00
1232	STL ENV_STR(all)		1283	-56.60	-25.57	13.80	22.27	2.47	0.00
1232	STL ENV_STR(all)		1284	-175.63	-268.62	-0.98	-15.83	28.31	0.00
1232	STL ENV_STR(all)		1277	-0.88	67.19	-6.81	7.63	-1.18	0.00
1233	STL ENV_STR(all)		1273	3.63	406.40	24.11	434.95	-167.26	0.00
1233	STL ENV_STR(all)		1280	139.06	231.73	47.95	311.78	48.22	0.00
1233	STL ENV_STR(all)		1635	-29.38	-398.22	-29.63	-327.81	218.66	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1233	STL ENV_STR(all)		1630	-113.30	-239.91	-41.52	-168.91	-45.93	0.00
1234	STL ENV_STR(all)		1275	116.43	429.75	-6.92	5.77	9.87	0.00
1234	STL ENV_STR(all)		1282	117.54	233.65	6.09	97.57	95.90	0.00
1234	STL ENV_STR(all)		1636	-124.34	-506.62	17.08	-21.09	7.19	0.00
1234	STL ENV_STR(all)		1631	-109.63	-156.78	-15.35	-86.21	-44.96	0.00
1235	STL ENV_STR(all)		1278	247.72	246.75	198.06	36.99	114.58	0.00
1235	STL ENV_STR(all)		1088	247.40	-272.16	218.21	64.53	29.30	0.00
1235	STL ENV_STR(all)		1577	-169.04	-305.36	-115.88	718.79	99.33	0.00
1235	STL ENV_STR(all)		1632	-326.08	330.77	-299.48	634.64	59.02	0.00
1236	STL ENV_STR(all)		1279	-248.80	79.04	-233.25	-969.40	-5.96	0.00
1236	STL ENV_STR(all)		1091	86.04	231.90	-46.54	-970.03	183.53	0.00
1236	STL ENV_STR(all)		1579	175.69	-41.93	252.14	428.23	188.57	0.00
1236	STL ENV_STR(all)		1633	-12.93	-269.01	28.55	530.56	249.11	0.00
1237	STL ENV_STR(all)		1281	49.40	440.58	52.12	46.08	-158.54	0.00
1237	STL ENV_STR(all)		1094	90.15	304.38	-16.82	-30.41	42.60	0.00
1237	STL ENV_STR(all)		1581	-42.68	-467.21	-49.82	70.90	49.63	0.00
1237	STL ENV_STR(all)		1634	-96.87	-277.75	15.44	35.89	-135.02	0.00
1238	STL ENV_STR(all)		1283	558.24	819.32	2.44	62.48	-5.61	0.00
1238	STL ENV_STR(all)		1098	94.57	255.53	11.32	42.35	-3.47	0.00
1238	STL ENV_STR(all)		1101	-828.44	-1343.47	-40.11	-53.42	-51.96	0.00
1238	STL ENV_STR(all)		1284	175.64	268.62	27.65	15.83	-28.31	0.00
1239	STL ENV_STR(all)		1280	23.38	383.63	39.71	565.73	-227.91	0.00
1239	STL ENV_STR(all)		1093	109.24	209.10	86.69	360.37	89.87	0.00
1239	STL ENV_STR(all)		1583	-23.95	-363.84	-53.85	-359.58	296.02	0.00
1239	STL ENV_STR(all)		1635	-108.67	-228.88	-71.64	-126.00	-60.78	0.00
1240	STL ENV_STR(all)		1282	87.37	547.70	-25.94	-27.97	7.98	0.00
1240	STL ENV_STR(all)		1097	109.64	397.05	-28.34	117.61	125.48	0.00
1240	STL ENV_STR(all)		1585	-88.21	-626.92	44.94	-93.35	-2.87	0.00
1240	STL ENV_STR(all)		1636	-108.80	-317.84	10.25	-187.39	-82.25	0.00
1241	STL ENV_STR(all)		1285	-115.60	986.30	-350.43	-602.49	-183.71	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1241	STL ENV_STR(all)		1286	-207.42	1838.57	-184.24	-930.99	260.06	0.00
1241	STL ENV_STR(all)		745	218.55	-1128.34	419.08	-944.53	618.31	0.00
1241	STL ENV_STR(all)		744	104.47	-1696.53	149.33	-557.37	-149.80	0.00
1242	STL ENV_STR(all)		1287	-741.66	1026.79	-82.47	-64.72	-560.31	0.00
1242	STL ENV_STR(all)		1288	197.19	2520.63	-263.41	-762.73	-163.26	0.00
1242	STL ENV_STR(all)		780	716.61	-1323.61	-137.07	-992.39	143.45	0.00
1242	STL ENV_STR(all)		779	-172.14	-2223.81	516.69	-170.05	-460.76	0.00
1243	STL ENV_STR(all)		1286	-365.44	985.84	-361.83	-430.30	-405.27	0.00
1243	STL ENV_STR(all)		1287	-67.77	2136.03	-188.95	-1017.98	312.94	0.00
1243	STL ENV_STR(all)		779	426.75	-1183.63	356.70	-1182.45	821.08	0.00
1243	STL ENV_STR(all)		745	6.46	-1938.25	227.83	-491.11	-350.88	0.00
1244	STL ENV_STR(all)		1288	-1202.77	1228.34	784.96	145.14	-85.84	0.00
1244	STL ENV_STR(all)		1208	614.81	2838.00	-715.83	-152.98	-2134.93	0.00
1244	STL ENV_STR(all)		5	1055.78	-1546.10	-1312.46	-33.31	-3057.33	0.00
1244	STL ENV_STR(all)		780	-467.83	-2520.24	1277.07	341.90	168.61	0.00
1248	STL ENV_STR(all)		1292	45.86	1029.44	-268.36	-614.87	-38.12	0.00
1248	STL ENV_STR(all)		1285	-254.01	1581.71	-177.02	-764.86	121.88	0.00
1248	STL ENV_STR(all)		744	74.10	-1124.01	349.01	-668.96	309.28	0.00
1248	STL ENV_STR(all)		1125	134.05	-1487.14	130.11	-496.24	-5.44	0.00
1249	STL ENV_STR(all)		1293	-127.49	1417.17	182.51	1254.86	-1022.44	0.00
1249	STL ENV_STR(all)		1294	135.51	1491.85	223.15	990.61	936.48	0.00
1249	STL ENV_STR(all)		746	119.94	-1507.32	-246.40	-182.51	895.68	0.00
1249	STL ENV_STR(all)		747	-127.96	-1401.71	-128.59	-80.31	-905.77	0.00
1250	STL ENV_STR(all)		1295	-667.00	1567.74	-1344.32	70.34	3870.70	0.00
1250	STL ENV_STR(all)		1296	292.02	2140.64	1482.34	-39.08	-594.25	0.00
1250	STL ENV_STR(all)		758	554.22	-1386.65	882.04	207.71	-619.48	0.00
1250	STL ENV_STR(all)		49	-179.24	-2321.72	-989.40	411.27	3218.08	0.00
1251	STL ENV_STR(all)		1297	-14.64	1505.73	88.38	-348.26	9.10	0.00
1251	STL ENV_STR(all)		1298	231.92	1109.18	-63.15	269.36	128.54	0.00
1251	STL ENV_STR(all)		749	-19.20	-1543.91	-36.45	394.11	-208.50	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1251	STL ENV_STR(all)		748	-198.07	-1071.00	41.89	-231.43	-219.08	0.00
1252	STL ENV_STR(all)		1299	-536.89	794.64	-53.63	-78.42	446.53	0.00
1252	STL ENV_STR(all)		1300	-57.46	1976.36	-54.10	-306.71	-559.44	0.00
1252	STL ENV_STR(all)		759	464.10	-787.88	45.63	-198.87	-244.22	0.00
1252	STL ENV_STR(all)		6	130.24	-1983.13	92.77	-4.05	303.26	0.00
1253	STL ENV_STR(all)		1301	-227.79	1793.63	855.37	700.16	-754.69	0.00
1253	STL ENV_STR(all)		1302	402.28	1586.34	-406.71	900.41	-589.42	0.00
1253	STL ENV_STR(all)		781	183.55	-1936.51	-741.25	508.62	-907.87	0.00
1253	STL ENV_STR(all)		782	-358.04	-1443.46	323.26	93.80	-656.39	0.00
1254	STL ENV_STR(all)		1303	-243.44	1547.12	70.71	1087.74	-655.52	0.00
1254	STL ENV_STR(all)		1304	176.27	1567.91	431.03	1133.05	1108.19	0.00
1254	STL ENV_STR(all)		795	222.77	-1433.85	0.61	34.86	990.71	0.00
1254	STL ENV_STR(all)		796	-155.61	-1681.19	-471.67	210.62	-402.95	0.00
1255	STL ENV_STR(all)		1305	7.38	1808.54	35.99	-457.43	413.06	0.00
1255	STL ENV_STR(all)		1306	441.52	934.35	-108.98	125.98	-303.70	0.00
1255	STL ENV_STR(all)		797	-72.74	-1832.23	33.26	213.57	-407.39	0.00
1255	STL ENV_STR(all)		798	-376.16	-910.67	70.41	-294.35	65.95	0.00
1256	STL ENV_STR(all)		1307	-330.79	1041.14	-104.71	231.81	62.59	0.00
1256	STL ENV_STR(all)		1308	11.77	1643.62	81.93	-455.18	-181.28	0.00
1256	STL ENV_STR(all)		799	282.22	-1005.39	65.74	-286.23	110.86	0.00
1256	STL ENV_STR(all)		800	36.80	-1679.37	-12.29	351.00	342.08	0.00
1257	STL ENV_STR(all)		1294	-174.13	1571.22	433.30	1136.92	-1114.10	0.00
1257	STL ENV_STR(all)		1301	242.81	1546.93	68.75	1088.26	654.77	0.00
1257	STL ENV_STR(all)		782	154.27	-1684.03	-473.32	207.97	403.90	0.00
1257	STL ENV_STR(all)		746	-222.95	-1434.12	1.94	34.71	-994.03	0.00
1258	STL ENV_STR(all)		1296	-402.52	1587.22	-405.05	900.79	586.46	0.00
1258	STL ENV_STR(all)		1303	229.66	1790.78	853.58	697.66	752.18	0.00
1258	STL ENV_STR(all)		796	357.77	-1443.86	321.97	93.57	655.55	0.00
1258	STL ENV_STR(all)		758	-184.91	-1934.15	-739.82	510.26	906.46	0.00
1259	STL ENV_STR(all)		1298	-11.67	1645.57	82.84	-455.42	181.02	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1259	STL ENV_STR(all)		1305	331.59	1041.02	-105.31	234.25	-62.67	0.00
1259	STL ENV_STR(all)		798	-37.04	-1681.06	-13.04	352.30	-343.67	0.00
1259	STL ENV_STR(all)		749	-282.88	-1005.54	66.18	-288.14	-112.31	0.00
1260	STL ENV_STR(all)		1300	-440.77	935.06	-108.28	124.09	302.36	0.00
1260	STL ENV_STR(all)		1307	-6.97	1806.61	35.13	-456.39	-412.03	0.00
1260	STL ENV_STR(all)		800	375.52	-911.05	69.85	-292.61	-66.33	0.00
1260	STL ENV_STR(all)		759	72.23	-1830.63	33.98	211.87	404.50	0.00
1261	STL ENV_STR(all)		1302	-290.79	2142.97	1483.93	-37.63	594.18	0.00
1261	STL ENV_STR(all)		1295	667.50	1566.11	-1345.85	68.92	-3875.65	0.00
1261	STL ENV_STR(all)		49	178.00	-2323.53	-990.72	410.50	-3221.63	0.00
1261	STL ENV_STR(all)		781	-554.71	-1385.54	883.32	208.71	620.90	0.00
1262	STL ENV_STR(all)		1304	-136.13	1491.27	225.21	989.67	-934.38	0.00
1262	STL ENV_STR(all)		1309	129.36	1413.68	179.87	1248.76	1012.25	0.00
1262	STL ENV_STR(all)		946	127.76	-1400.73	-129.88	-80.31	900.17	0.00
1262	STL ENV_STR(all)		795	-120.99	-1504.23	-244.53	-178.36	-891.81	0.00
1263	STL ENV_STR(all)		1306	58.14	1978.09	-53.30	-308.43	561.88	0.00
1263	STL ENV_STR(all)		1299	537.52	793.37	-54.39	-77.10	-449.27	0.00
1263	STL ENV_STR(all)		6	-131.01	-1984.48	92.09	-1.99	-307.49	0.00
1263	STL ENV_STR(all)		797	-464.65	-786.98	46.28	-200.31	245.10	0.00
1264	STL ENV_STR(all)		1308	-231.17	1108.69	-62.70	266.45	-127.58	0.00
1264	STL ENV_STR(all)		1310	14.46	1503.92	87.46	-348.89	-10.44	0.00
1264	STL ENV_STR(all)		947	197.50	-1070.34	41.61	-229.44	216.86	0.00
1264	STL ENV_STR(all)		799	19.21	-1542.27	-35.70	393.26	208.09	0.00
1265	STL ENV_STR(all)		1309	-66.17	1430.99	246.78	890.27	-832.31	0.00
1265	STL ENV_STR(all)		1311	93.24	1303.48	57.98	1198.86	765.50	0.00
1265	STL ENV_STR(all)		976	62.54	-1358.19	-165.03	-199.06	677.42	0.00
1265	STL ENV_STR(all)		946	-89.61	-1376.28	-109.06	-415.25	-917.04	0.00
1266	STL ENV_STR(all)		1310	-148.81	1149.00	-17.18	271.90	-214.50	0.00
1266	STL ENV_STR(all)		1312	10.16	1391.13	72.88	-219.57	60.56	0.00
1266	STL ENV_STR(all)		977	126.14	-1113.76	14.79	-179.05	246.01	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1266	STL ENV_STR(all)		947	12.50	-1426.37	-39.81	364.43	90.60	0.00
1267	STL ENV_STR(all)		1313	8.78	1303.13	185.09	763.58	-388.45	0.00
1267	STL ENV_STR(all)		1314	31.38	1174.61	-14.94	976.85	251.76	0.00
1267	STL ENV_STR(all)		995	-3.80	-1255.35	-139.25	-385.88	212.60	0.00
1267	STL ENV_STR(all)		996	-36.36	-1222.38	-0.23	-557.99	-500.11	0.00
1268	STL ENV_STR(all)		1315	-37.85	1185.82	30.11	294.92	-177.40	0.00
1268	STL ENV_STR(all)		1316	-0.33	1242.18	24.69	-105.29	-21.21	0.00
1268	STL ENV_STR(all)		997	28.13	-1165.91	-5.20	-210.79	181.77	0.00
1268	STL ENV_STR(all)		998	10.04	-1262.09	-18.93	256.77	27.82	0.00
1269	STL ENV_STR(all)		1311	-21.36	1370.69	219.00	816.42	-618.06	0.00
1269	STL ENV_STR(all)		1313	64.85	1222.34	5.85	1083.38	501.83	0.00
1269	STL ENV_STR(all)		996	19.42	-1309.81	-157.94	-303.29	439.16	0.00
1269	STL ENV_STR(all)		976	-62.91	-1283.22	-36.23	-524.19	-741.99	0.00
1270	STL ENV_STR(all)		1312	-84.66	1172.31	16.76	281.22	-216.59	0.00
1270	STL ENV_STR(all)		1315	4.26	1304.27	58.56	-107.60	49.56	0.00
1270	STL ENV_STR(all)		998	69.57	-1143.50	-9.63	-147.62	223.47	0.00
1270	STL ENV_STR(all)		977	10.83	-1333.09	-35.01	311.08	28.71	0.00
1271	STL ENV_STR(all)		1314	10.73	1230.11	125.66	719.80	-159.38	0.00
1271	STL ENV_STR(all)		1317	8.34	1156.31	-27.87	824.20	51.36	0.00
1271	STL ENV_STR(all)		1066	-3.97	-1194.76	-76.63	-526.03	47.84	0.00
1271	STL ENV_STR(all)		995	-15.11	-1191.66	9.51	-584.80	-239.57	0.00
1272	STL ENV_STR(all)		1316	-8.86	1195.31	73.72	386.86	-108.76	0.00
1272	STL ENV_STR(all)		1318	-0.10	1204.97	108.49	165.67	-99.28	0.00
1272	STL ENV_STR(all)		1067	2.45	-1187.24	-107.69	30.62	124.19	0.00
1272	STL ENV_STR(all)		997	6.51	-1213.04	-43.85	290.85	47.66	0.00
1273	STL ENV_STR(all)		1319	-8.67	1155.41	-28.77	846.70	-58.41	0.00
1273	STL ENV_STR(all)		1320	-11.21	1231.89	127.17	724.38	158.55	0.00
1273	STL ENV_STR(all)		1104	15.71	-1191.82	8.73	-602.19	248.36	0.00
1273	STL ENV_STR(all)		1105	4.17	-1195.48	-76.46	-532.95	-46.92	0.00
1274	STL ENV_STR(all)		1321	0.05	1206.31	108.87	169.80	99.49	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1274	STL ENV_STR(all)		1322	8.82	1196.75	74.43	391.07	109.82	0.00
1274	STL ENV_STR(all)		1107	-6.43	-1214.31	-44.13	289.93	-47.08	0.00
1274	STL ENV_STR(all)		1106	-2.44	-1188.76	-108.49	28.76	-124.96	0.00
1275	STL ENV_STR(all)		1323	-64.89	1224.45	8.76	1099.82	-518.98	0.00
1275	STL ENV_STR(all)		1324	21.33	1373.08	217.70	816.75	623.42	0.00
1275	STL ENV_STR(all)		1126	63.18	-1285.49	-38.54	-534.34	751.82	0.00
1275	STL ENV_STR(all)		1127	-19.63	-1312.04	-157.25	-301.93	-446.21	0.00
1276	STL ENV_STR(all)		1325	-4.61	1305.58	59.11	-105.28	-51.42	0.00
1276	STL ENV_STR(all)		1326	84.99	1173.65	16.87	284.64	218.69	0.00
1276	STL ENV_STR(all)		1128	-10.60	-1334.40	-35.52	310.82	-27.61	0.00
1276	STL ENV_STR(all)		1129	-69.78	-1144.83	-9.78	-149.72	-225.80	0.00
1277	STL ENV_STR(all)		1320	-32.81	1174.58	-11.32	1002.61	-268.43	0.00
1277	STL ENV_STR(all)		1323	-8.38	1306.17	185.09	765.88	391.91	0.00
1277	STL ENV_STR(all)		1127	37.37	-1223.35	-2.82	-571.30	511.33	0.00
1277	STL ENV_STR(all)		1104	3.82	-1257.40	-140.27	-382.73	-217.08	0.00
1278	STL ENV_STR(all)		1322	0.08	1243.39	24.85	-102.65	20.20	0.00
1278	STL ENV_STR(all)		1325	37.97	1187.29	30.49	298.52	179.24	0.00
1278	STL ENV_STR(all)		1129	-9.86	-1263.30	-19.21	255.97	-26.74	0.00
1278	STL ENV_STR(all)		1107	-28.19	-1167.37	-5.45	-213.42	-183.44	0.00
1279	STL ENV_STR(all)		1324	-92.16	1306.62	60.45	1209.04	-779.47	0.00
1279	STL ENV_STR(all)		1293	65.81	1432.48	245.24	890.74	837.19	0.00
1279	STL ENV_STR(all)		747	89.14	-1379.22	-111.04	-421.95	924.21	0.00
1279	STL ENV_STR(all)		1126	-62.79	-1359.88	-163.98	-198.40	-684.30	0.00
1280	STL ENV_STR(all)		1326	-10.52	1392.67	73.65	-218.09	-62.48	0.00
1280	STL ENV_STR(all)		1297	149.40	1150.01	-17.39	275.11	216.25	0.00
1280	STL ENV_STR(all)		748	-12.33	-1427.85	-40.47	364.75	-90.06	0.00
1280	STL ENV_STR(all)		1128	-126.55	-1114.83	14.88	-181.10	-248.54	0.00
1281	STL ENV_STR(all)		1295	3350.82	4282.43	0.15	3.24	-0.20	0.00
1281	STL ENV_STR(all)		49	-132.64	1457.41	0.32	3.54	0.66	0.00
1281	STL ENV_STR(all)		1347	-2790.30	-3056.90	-0.23	-2.69	0.51	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1281	STL ENV_STR(all)		1343	-427.88	-2682.80	-0.24	-2.90	-0.51	0.00
1282	STL ENV_STR(all)		1299	2296.33	607.75	0.10	3.35	-0.37	0.00
1282	STL ENV_STR(all)		6	441.96	-753.03	0.32	3.11	0.49	0.00
1282	STL ENV_STR(all)		1344	-2149.29	-613.14	-0.19	-2.76	0.73	0.00
1282	STL ENV_STR(all)		1348	-589.01	758.55	-0.23	-2.66	-0.21	0.00
1283	STL ENV_STR(all)		1329	722.20	1816.74	0.12	0.81	-0.49	0.00
1283	STL ENV_STR(all)		120	1541.58	430.69	0.22	0.64	0.02	0.00
1283	STL ENV_STR(all)		1359	-409.95	-1562.53	-0.14	-0.47	0.60	0.00
1283	STL ENV_STR(all)		1357	-1853.83	-684.77	-0.19	-0.07	0.17	0.00
1284	STL ENV_STR(all)		1331	1597.09	1127.75	0.19	1.12	-0.35	0.00
1284	STL ENV_STR(all)		121	1966.16	-761.59	0.20	0.97	0.01	0.00
1284	STL ENV_STR(all)		1369	-1281.94	-1020.83	-0.19	-0.62	0.32	0.00
1284	STL ENV_STR(all)		1360	-2281.31	654.81	-0.20	-0.46	-0.02	0.00
1285	STL ENV_STR(all)		1327	1943.38	3014.46	0.28	1.87	-0.41	0.00
1285	STL ENV_STR(all)		476	962.24	967.96	0.25	1.98	0.39	0.00
1285	STL ENV_STR(all)		1413	-1583.09	-2416.75	-0.22	-1.33	0.48	0.00
1285	STL ENV_STR(all)		1409	-1322.53	-1565.54	-0.31	-1.10	-0.39	0.00
1286	STL ENV_STR(all)		1328	2225.47	993.07	0.22	2.16	-0.51	0.00
1286	STL ENV_STR(all)		477	1221.05	-830.32	0.21	2.02	0.16	0.00
1286	STL ENV_STR(all)		1410	-1926.71	-891.50	-0.21	-1.63	0.45	0.00
1286	STL ENV_STR(all)		1414	-1519.81	728.89	-0.21	-1.48	-0.22	0.00
1287	STL ENV_STR(all)		1330	-415.03	943.54	0.18	0.23	-0.61	0.00
1287	STL ENV_STR(all)		487	2073.58	-52.13	0.14	-0.12	-0.55	0.00
1287	STL ENV_STR(all)		1425	790.79	-780.64	-0.29	0.11	0.16	0.00
1287	STL ENV_STR(all)		1423	-2449.35	-110.63	-0.03	0.62	0.24	0.00
1288	STL ENV_STR(all)		1332	712.39	964.86	0.21	0.14	-0.37	0.00
1288	STL ENV_STR(all)		488	2476.98	-654.66	0.14	0.02	-0.32	0.00
1288	STL ENV_STR(all)		1435	-453.54	-943.19	-0.31	0.24	-0.11	0.00
1288	STL ENV_STR(all)		1426	-2735.83	633.12	-0.04	0.49	-0.16	0.00
1289	STL ENV_STR(all)		1335	-707.28	-488.32	0.05	0.06	-0.35	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1289	STL ENV_STR(all)		1637	-655.44	354.89	-0.12	-0.03	-0.12	0.00
1289	STL ENV_STR(all)		1652	659.65	618.46	-0.03	-0.16	0.08	0.00
1289	STL ENV_STR(all)		468	703.06	-484.93	0.11	-0.06	-0.17	0.00
1290	STL ENV_STR(all)		1336	-939.51	-897.40	-0.02	-0.00	-0.10	0.00
1290	STL ENV_STR(all)		1638	-871.92	403.46	-0.02	-0.15	-0.15	0.00
1290	STL ENV_STR(all)		1654	917.81	890.19	0.02	-0.06	0.08	0.00
1290	STL ENV_STR(all)		469	893.62	-396.15	0.03	0.09	0.14	0.00
1291	STL ENV_STR(all)		1338	-2116.80	-1714.72	0.07	0.28	-0.22	0.00
1291	STL ENV_STR(all)		1639	-2383.42	1490.36	0.01	0.13	-0.09	0.00
1291	STL ENV_STR(all)		1656	2164.47	1724.16	-0.05	-0.18	0.17	0.00
1291	STL ENV_STR(all)		471	2335.74	-1499.70	-0.03	-0.03	0.01	0.00
1292	STL ENV_STR(all)		1340	-2645.10	-1576.43	0.31	1.30	-0.59	0.00
1292	STL ENV_STR(all)		1341	-4063.76	1838.90	0.56	1.04	0.22	0.00
1292	STL ENV_STR(all)		474	2848.59	1516.47	-0.44	-0.24	0.88	0.00
1292	STL ENV_STR(all)		473	3860.27	-1778.80	-0.43	0.05	0.17	0.00
1293	STL ENV_STR(all)		1342	1108.82	3542.55	0.44	2.14	-0.17	0.00
1293	STL ENV_STR(all)		1343	-958.04	3494.02	0.46	2.68	0.89	0.00
1293	STL ENV_STR(all)		1327	-644.76	-3562.68	-0.34	-1.33	0.44	0.00
1293	STL ENV_STR(all)		475	493.98	-3473.75	-0.55	-1.12	-0.56	0.00
1294	STL ENV_STR(all)		1344	2561.89	523.81	0.29	3.33	-0.79	0.00
1294	STL ENV_STR(all)		1345	1299.84	-968.44	0.20	3.02	-0.10	0.00
1294	STL ENV_STR(all)		478	-2273.69	-515.29	-0.26	-2.62	0.54	0.00
1294	STL ENV_STR(all)		477	-1588.04	960.09	-0.22	-2.51	-0.15	0.00
1295	STL ENV_STR(all)		1337	-2341.44	-1627.01	-0.05	0.10	0.01	0.00
1295	STL ENV_STR(all)		1640	-1971.99	1376.30	0.09	0.00	-0.02	0.00
1295	STL ENV_STR(all)		1658	2262.24	1704.50	0.02	-0.09	0.18	0.00
1295	STL ENV_STR(all)		470	2051.18	-1453.70	-0.05	0.07	0.21	0.00
1296	STL ENV_STR(all)		1339	-1787.15	-1583.26	0.09	0.07	-0.26	0.00
1296	STL ENV_STR(all)		1641	-2760.22	1700.44	-0.22	-0.28	-0.42	0.00
1296	STL ENV_STR(all)		1660	1966.60	1548.26	0.02	-0.20	-0.06	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1296	STL ENV_STR(all)		472	2580.77	-1665.34	0.11	0.09	0.07	0.00
1297	STL ENV_STR(all)		1341	-2455.63	-957.62	0.73	0.69	-1.06	0.00
1297	STL ENV_STR(all)		1346	-4792.67	2658.88	-0.34	-0.08	-1.47	0.00
1297	STL ENV_STR(all)		1217	2922.66	637.86	-0.35	-0.02	-0.84	0.00
1297	STL ENV_STR(all)		474	4325.63	-2338.97	-0.03	0.37	-0.33	0.00
1298	STL ENV_STR(all)		1347	2794.10	1866.35	0.22	2.71	-0.56	0.00
1298	STL ENV_STR(all)		1348	819.36	-402.57	0.23	2.71	0.33	0.00
1298	STL ENV_STR(all)		1328	-2439.11	-1400.11	-0.23	-2.18	0.54	0.00
1298	STL ENV_STR(all)		476	-1174.35	-63.54	-0.22	-2.10	-0.38	0.00
1299	STL ENV_STR(all)		1349	-652.26	-399.95	-0.07	-0.02	-0.08	0.00
1299	STL ENV_STR(all)		1643	-687.06	547.05	0.02	-0.12	-0.12	0.00
1299	STL ENV_STR(all)		1662	658.59	409.74	0.01	-0.04	0.10	0.00
1299	STL ENV_STR(all)		479	680.72	-556.75	0.05	0.03	0.21	0.00
1300	STL ENV_STR(all)		1350	-803.02	-528.32	-0.02	0.07	-0.10	0.00
1300	STL ENV_STR(all)		1645	-751.46	597.45	-0.00	-0.06	-0.05	0.00
1300	STL ENV_STR(all)		1664	821.06	512.92	0.02	-0.11	0.13	0.00
1300	STL ENV_STR(all)		480	733.42	-581.96	0.00	0.04	0.08	0.00
1301	STL ENV_STR(all)		1352	-2586.53	-1650.03	0.03	0.10	-0.13	0.00
1301	STL ENV_STR(all)		1647	-2081.05	1668.74	0.04	-0.06	-0.14	0.00
1301	STL ENV_STR(all)		1666	2656.60	1664.99	-0.05	-0.07	0.13	0.00
1301	STL ENV_STR(all)		482	2010.99	-1683.61	-0.02	0.16	0.14	0.00
1302	STL ENV_STR(all)		1354	-4124.43	-1857.99	0.05	-0.02	-0.38	0.00
1302	STL ENV_STR(all)		1355	-3147.43	1770.82	-0.08	-0.26	-0.37	0.00
1302	STL ENV_STR(all)		485	4414.09	1864.27	-0.09	-0.01	0.00	0.00
1302	STL ENV_STR(all)		484	2857.77	-1776.97	0.12	0.12	0.02	0.00
1303	STL ENV_STR(all)		1356	-708.66	826.26	-0.00	0.18	-0.44	0.00
1303	STL ENV_STR(all)		1357	1058.18	771.09	0.13	-0.20	-0.37	0.00
1303	STL ENV_STR(all)		1330	1012.85	-947.45	-0.07	-0.08	0.61	0.00
1303	STL ENV_STR(all)		486	-1362.37	-649.77	-0.06	0.46	0.51	0.00
1304	STL ENV_STR(all)		1351	-2263.01	-1493.87	-0.00	0.05	-0.05	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1304	STL ENV_STR(all)		1649	-2025.77	1627.28	0.02	-0.14	-0.17	0.00
1304	STL ENV_STR(all)		1668	2283.28	1436.10	-0.01	-0.02	0.08	0.00
1304	STL ENV_STR(all)		481	2005.50	-1569.41	-0.01	0.14	0.22	0.00
1305	STL ENV_STR(all)		1353	-2713.70	-1764.52	-0.07	0.23	-0.24	0.00
1305	STL ENV_STR(all)		1651	-1931.94	1562.11	0.06	0.05	0.22	0.00
1305	STL ENV_STR(all)		1670	2837.91	1755.62	0.06	-0.22	0.51	0.00
1305	STL ENV_STR(all)		483	1807.74	-1553.11	-0.06	-0.11	-0.01	0.00
1306	STL ENV_STR(all)		1355	-4181.40	-1657.72	0.02	-0.23	-0.17	0.00
1306	STL ENV_STR(all)		1358	-2993.47	1767.08	-0.11	-0.55	-0.61	0.00
1306	STL ENV_STR(all)		1219	4558.64	1493.06	0.03	0.08	0.05	0.00
1306	STL ENV_STR(all)		485	2616.24	-1602.27	0.07	0.40	0.40	0.00
1307	STL ENV_STR(all)		1359	865.99	1258.18	0.18	0.62	-0.42	0.00
1307	STL ENV_STR(all)		1360	2187.84	-441.33	0.20	0.42	-0.14	0.00
1307	STL ENV_STR(all)		1332	-543.81	-1087.52	-0.22	-0.14	0.27	0.00
1307	STL ENV_STR(all)		487	-2510.02	270.81	-0.15	0.07	0.06	0.00
1308	STL ENV_STR(all)		1361	1961.66	341.03	0.15	1.85	-0.56	0.00
1308	STL ENV_STR(all)		1362	1344.08	-913.00	0.08	1.56	-0.21	0.00
1308	STL ENV_STR(all)		490	-1756.15	-357.95	-0.12	-1.49	0.36	0.00
1308	STL ENV_STR(all)		489	-1549.58	930.10	-0.10	-1.37	0.01	0.00
1309	STL ENV_STR(all)		1363	1373.70	207.27	0.07	1.01	-0.36	0.00
1309	STL ENV_STR(all)		1364	1093.50	-733.69	0.04	0.82	-0.17	0.00
1309	STL ENV_STR(all)		492	-1261.85	-215.23	-0.06	-0.84	0.25	0.00
1309	STL ENV_STR(all)		491	-1205.34	741.82	-0.05	-0.73	0.07	0.00
1310	STL ENV_STR(all)		1365	832.93	47.42	0.05	0.68	-0.26	0.00
1310	STL ENV_STR(all)		1366	777.52	-567.92	0.03	0.56	-0.13	0.00
1310	STL ENV_STR(all)		494	-789.56	-51.83	-0.04	-0.59	0.20	0.00
1310	STL ENV_STR(all)		493	-820.89	572.51	-0.04	-0.48	0.07	0.00
1311	STL ENV_STR(all)		1367	354.14	-117.07	0.06	0.73	-0.21	0.00
1311	STL ENV_STR(all)		1368	414.95	-414.98	0.06	0.65	-0.07	0.00
1311	STL ENV_STR(all)		496	-350.18	118.64	-0.05	-0.63	0.20	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1311	STL ENV_STR(all)		495	-418.90	413.58	-0.06	-0.51	0.06	0.00
1312	STL ENV_STR(all)		1369	1693.19	899.74	0.23	0.77	-0.27	0.00
1312	STL ENV_STR(all)		1370	2553.81	-867.90	0.25	0.67	-0.15	0.00
1312	STL ENV_STR(all)		497	-1331.97	-767.67	-0.26	-0.15	0.11	0.00
1312	STL ENV_STR(all)		488	-2915.03	736.00	-0.22	-0.06	0.06	0.00
1313	STL ENV_STR(all)		1371	1286.23	520.09	0.11	0.61	-0.15	0.00
1313	STL ENV_STR(all)		1372	1985.07	-750.71	0.12	0.52	-0.07	0.00
1313	STL ENV_STR(all)		499	-1073.37	-509.49	-0.11	-0.31	0.13	0.00
1313	STL ENV_STR(all)		498	-2197.93	740.28	-0.13	-0.23	0.05	0.00
1314	STL ENV_STR(all)		1373	990.57	369.80	0.05	0.43	-0.15	0.00
1314	STL ENV_STR(all)		1374	1400.31	-563.49	0.06	0.33	-0.09	0.00
1314	STL ENV_STR(all)		501	-879.77	-357.32	-0.05	-0.28	0.13	0.00
1314	STL ENV_STR(all)		500	-1511.11	551.19	-0.06	-0.20	0.07	0.00
1315	STL ENV_STR(all)		1375	682.71	208.91	0.03	0.31	-0.15	0.00
1315	STL ENV_STR(all)		1376	873.07	-398.78	0.04	0.21	-0.11	0.00
1315	STL ENV_STR(all)		503	-640.47	-200.20	-0.04	-0.21	0.13	0.00
1315	STL ENV_STR(all)		502	-915.30	390.26	-0.04	-0.12	0.09	0.00
1316	STL ENV_STR(all)		1377	328.88	38.47	0.05	0.22	-0.15	0.00
1316	STL ENV_STR(all)		1378	380.56	-242.35	0.06	0.10	-0.13	0.00
1316	STL ENV_STR(all)		505	-323.79	-30.74	-0.05	-0.07	0.14	0.00
1316	STL ENV_STR(all)		504	-385.65	234.80	-0.05	0.02	0.11	0.00
1317	STL ENV_STR(all)		1345	2395.28	416.13	0.27	2.99	-0.77	0.00
1317	STL ENV_STR(all)		1379	1359.67	-1012.68	0.16	2.61	-0.18	0.00
1317	STL ENV_STR(all)		506	-2122.81	-430.43	-0.23	-2.33	0.48	0.00
1317	STL ENV_STR(all)		478	-1632.14	1027.16	-0.20	-2.21	-0.11	0.00
1318	STL ENV_STR(all)		1379	2253.82	378.58	0.22	2.57	-0.70	0.00
1318	STL ENV_STR(all)		1380	1387.44	-999.07	0.13	2.22	-0.20	0.00
1318	STL ENV_STR(all)		507	-2002.12	-400.58	-0.19	-2.02	0.44	0.00
1318	STL ENV_STR(all)		506	-1639.14	1021.26	-0.16	-1.91	-0.05	0.00
1319	STL ENV_STR(all)		1380	2110.64	360.77	0.19	2.19	-0.63	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1319	STL ENV_STR(all)		1361	1379.17	-959.78	0.10	1.86	-0.21	0.00
1319	STL ENV_STR(all)		489	-1880.76	-381.82	-0.15	-1.73	0.39	0.00
1319	STL ENV_STR(all)		507	-1609.05	981.01	-0.13	-1.62	-0.02	0.00
1320	STL ENV_STR(all)		1362	1811.44	314.04	0.12	1.58	-0.50	0.00
1320	STL ENV_STR(all)		1381	1292.37	-865.93	0.06	1.31	-0.20	0.00
1320	STL ENV_STR(all)		508	-1630.87	-327.49	-0.10	-1.28	0.32	0.00
1320	STL ENV_STR(all)		490	-1472.94	879.56	-0.09	-1.16	0.03	0.00
1321	STL ENV_STR(all)		1381	1662.79	281.47	0.10	1.35	-0.45	0.00
1321	STL ENV_STR(all)		1382	1231.37	-820.48	0.05	1.11	-0.19	0.00
1321	STL ENV_STR(all)		509	-1506.52	-292.43	-0.08	-1.10	0.30	0.00
1321	STL ENV_STR(all)		508	-1387.65	831.61	-0.07	-0.99	0.05	0.00
1322	STL ENV_STR(all)		1382	1516.76	245.38	0.08	1.16	-0.40	0.00
1322	STL ENV_STR(all)		1363	1164.51	-776.51	0.04	0.95	-0.18	0.00
1322	STL ENV_STR(all)		491	-1383.47	-254.62	-0.07	-0.96	0.27	0.00
1322	STL ENV_STR(all)		509	-1297.80	785.94	-0.06	-0.85	0.06	0.00
1323	STL ENV_STR(all)		1364	1233.71	167.99	0.06	0.89	-0.33	0.00
1323	STL ENV_STR(all)		1383	1019.04	-691.60	0.04	0.72	-0.16	0.00
1323	STL ENV_STR(all)		510	-1141.63	-174.94	-0.05	-0.75	0.23	0.00
1323	STL ENV_STR(all)		492	-1111.12	698.73	-0.05	-0.64	0.07	0.00
1324	STL ENV_STR(all)		1383	1096.87	128.08	0.05	0.80	-0.30	0.00
1324	STL ENV_STR(all)		1384	941.49	-650.03	0.03	0.64	-0.15	0.00
1324	STL ENV_STR(all)		511	-1022.81	-134.14	-0.04	-0.68	0.22	0.00
1324	STL ENV_STR(all)		510	-1015.56	656.27	-0.04	-0.57	0.07	0.00
1325	STL ENV_STR(all)		1384	963.20	87.82	0.05	0.73	-0.28	0.00
1325	STL ENV_STR(all)		1365	860.96	-608.76	0.03	0.59	-0.14	0.00
1325	STL ENV_STR(all)		493	-905.39	-93.12	-0.04	-0.62	0.21	0.00
1325	STL ENV_STR(all)		511	-918.77	614.23	-0.04	-0.52	0.08	0.00
1326	STL ENV_STR(all)		1366	706.03	6.80	0.04	0.66	-0.24	0.00
1326	STL ENV_STR(all)		1385	691.12	-527.27	0.04	0.55	-0.12	0.00
1326	STL ENV_STR(all)		512	-675.37	-10.50	-0.04	-0.57	0.20	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1326	STL ENV_STR(all)		494	-721.78	531.15	-0.04	-0.46	0.07	0.00
1327	STL ENV_STR(all)		1385	583.45	-33.84	0.05	0.66	-0.23	0.00
1327	STL ENV_STR(all)		1386	601.79	-487.89	0.04	0.56	-0.10	0.00
1327	STL ENV_STR(all)		513	-563.51	31.57	-0.04	-0.57	0.19	0.00
1327	STL ENV_STR(all)		512	-621.73	490.34	-0.05	-0.46	0.07	0.00
1328	STL ENV_STR(all)		1386	464.80	-75.45	0.05	0.68	-0.22	0.00
1328	STL ENV_STR(all)		1367	510.01	-449.61	0.05	0.60	-0.09	0.00
1328	STL ENV_STR(all)		495	-454.48	74.18	-0.05	-0.58	0.20	0.00
1328	STL ENV_STR(all)		513	-520.33	451.06	-0.05	-0.48	0.07	0.00
1329	STL ENV_STR(all)		1368	250.53	-161.44	0.06	0.81	-0.21	0.00
1329	STL ENV_STR(all)		1387	330.01	-389.96	0.08	0.76	-0.06	0.00
1329	STL ENV_STR(all)		514	-259.87	166.12	-0.07	-0.68	0.23	0.00
1329	STL ENV_STR(all)		496	-320.67	385.46	-0.07	-0.56	0.07	0.00
1330	STL ENV_STR(all)		1387	172.36	-227.16	0.09	0.93	-0.22	0.00
1330	STL ENV_STR(all)		1388	222.60	-423.08	0.10	0.84	-0.01	0.00
1330	STL ENV_STR(all)		515	-184.39	270.61	-0.09	-0.73	0.24	0.00
1330	STL ENV_STR(all)		514	-210.57	379.82	-0.10	-0.62	0.05	0.00
1331	STL ENV_STR(all)		1388	-4.44	-239.86	0.13	0.98	-0.23	0.00
1331	STL ENV_STR(all)		1389	3.84	-80.89	0.11	1.00	-0.09	0.00
1331	STL ENV_STR(all)		516	-1.49	80.92	-0.14	-0.76	0.12	0.00
1331	STL ENV_STR(all)		515	2.09	240.00	-0.10	-0.65	0.00	0.00
1332	STL ENV_STR(all)		1370	1614.91	636.04	0.22	0.74	-0.11	0.00
1332	STL ENV_STR(all)		1390	2443.76	-945.80	0.23	0.62	-0.05	0.00
1332	STL ENV_STR(all)		517	-1288.91	-617.55	-0.19	-0.16	0.16	0.00
1332	STL ENV_STR(all)		497	-2769.76	927.50	-0.26	-0.05	0.09	0.00
1333	STL ENV_STR(all)		1390	1495.96	575.56	0.17	0.67	-0.16	0.00
1333	STL ENV_STR(all)		1391	2308.91	-886.53	0.18	0.59	-0.07	0.00
1333	STL ENV_STR(all)		518	-1205.17	-579.21	-0.16	-0.25	0.13	0.00
1333	STL ENV_STR(all)		517	-2599.70	890.35	-0.18	-0.15	0.04	0.00
1334	STL ENV_STR(all)		1391	1376.73	554.28	0.14	0.65	-0.14	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1334	STL ENV_STR(all)		1371	2143.48	-811.01	0.15	0.56	-0.06	0.00
1334	STL ENV_STR(all)		498	-1130.31	-545.10	-0.13	-0.29	0.14	0.00
1334	STL ENV_STR(all)		518	-2389.91	802.00	-0.16	-0.20	0.06	0.00
1335	STL ENV_STR(all)		1372	1206.90	485.58	0.09	0.56	-0.15	0.00
1335	STL ENV_STR(all)		1392	1831.65	-697.93	0.10	0.47	-0.07	0.00
1335	STL ENV_STR(all)		519	-1023.71	-472.56	-0.08	-0.31	0.13	0.00
1335	STL ENV_STR(all)		499	-2014.84	685.09	-0.11	-0.23	0.06	0.00
1336	STL ENV_STR(all)		1392	1133.77	447.95	0.07	0.52	-0.15	0.00
1336	STL ENV_STR(all)		1393	1683.71	-650.58	0.08	0.42	-0.08	0.00
1336	STL ENV_STR(all)		520	-977.04	-434.68	-0.07	-0.31	0.13	0.00
1336	STL ENV_STR(all)		519	-1840.44	637.49	-0.09	-0.23	0.06	0.00
1337	STL ENV_STR(all)		1393	1062.32	409.31	0.06	0.47	-0.15	0.00
1337	STL ENV_STR(all)		1373	1540.07	-606.18	0.07	0.37	-0.09	0.00
1337	STL ENV_STR(all)		500	-929.62	-396.17	-0.06	-0.30	0.13	0.00
1337	STL ENV_STR(all)		520	-1672.77	593.21	-0.07	-0.22	0.07	0.00
1338	STL ENV_STR(all)		1374	917.22	329.91	0.04	0.40	-0.15	0.00
1338	STL ENV_STR(all)		1394	1263.96	-521.73	0.05	0.30	-0.09	0.00
1338	STL ENV_STR(all)		521	-826.37	-318.25	-0.04	-0.26	0.13	0.00
1338	STL ENV_STR(all)		501	-1354.81	510.25	-0.06	-0.18	0.08	0.00
1339	STL ENV_STR(all)		1394	841.66	289.74	0.04	0.36	-0.15	0.00
1339	STL ENV_STR(all)		1395	1130.78	-480.49	0.05	0.26	-0.10	0.00
1339	STL ENV_STR(all)		522	-768.88	-279.04	-0.04	-0.25	0.13	0.00
1339	STL ENV_STR(all)		521	-1203.56	469.97	-0.05	-0.16	0.08	0.00
1340	STL ENV_STR(all)		1395	763.55	249.41	0.04	0.33	-0.15	0.00
1340	STL ENV_STR(all)		1375	1000.54	-439.54	0.05	0.23	-0.10	0.00
1340	STL ENV_STR(all)		502	-706.97	-239.70	-0.04	-0.23	0.13	0.00
1340	STL ENV_STR(all)		522	-1057.11	430.02	-0.05	-0.14	0.09	0.00
1341	STL ENV_STR(all)		1376	599.02	168.17	0.04	0.29	-0.15	0.00
1341	STL ENV_STR(all)		1396	748.14	-358.21	0.04	0.18	-0.11	0.00
1341	STL ENV_STR(all)		523	-569.25	-160.42	-0.04	-0.18	0.13	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1341	STL ENV_STR(all)		503	-777.91	350.64	-0.04	-0.09	0.10	0.00
1342	STL ENV_STR(all)		1396	512.36	126.92	0.04	0.26	-0.15	0.00
1342	STL ENV_STR(all)		1397	625.34	-318.04	0.05	0.16	-0.12	0.00
1342	STL ENV_STR(all)		524	-493.12	-119.92	-0.04	-0.15	0.14	0.00
1342	STL ENV_STR(all)		523	-644.58	311.22	-0.04	-0.07	0.10	0.00
1343	STL ENV_STR(all)		1397	422.47	84.32	0.04	0.24	-0.15	0.00
1343	STL ENV_STR(all)		1377	503.71	-279.00	0.05	0.13	-0.13	0.00
1343	STL ENV_STR(all)		504	-411.69	-77.52	-0.05	-0.12	0.13	0.00
1343	STL ENV_STR(all)		524	-514.50	272.38	-0.05	-0.03	0.10	0.00
1344	STL ENV_STR(all)		1378	229.40	-12.01	0.07	0.18	-0.16	0.00
1344	STL ENV_STR(all)		1398	250.69	-203.68	0.07	0.07	-0.15	0.00
1344	STL ENV_STR(all)		525	-225.89	18.87	-0.08	0.01	0.12	0.00
1344	STL ENV_STR(all)		505	-254.21	197.00	-0.06	0.08	0.11	0.00
1345	STL ENV_STR(all)		1398	122.00	-56.15	0.08	0.13	-0.14	0.00
1345	STL ENV_STR(all)		1399	117.85	-142.72	0.06	-0.00	-0.16	0.00
1345	STL ENV_STR(all)		526	-116.76	50.39	-0.07	0.05	0.11	0.00
1345	STL ENV_STR(all)		525	-123.09	148.67	-0.07	0.15	0.13	0.00
1346	STL ENV_STR(all)		1399	25.75	-60.33	0.10	0.13	-0.15	0.00
1346	STL ENV_STR(all)		1400	18.69	-51.33	0.15	0.04	-0.18	0.00
1346	STL ENV_STR(all)		527	-22.12	34.24	-0.16	0.21	0.16	0.00
1346	STL ENV_STR(all)		526	-22.32	77.60	-0.10	0.25	0.16	0.00
1347	STL ENV_STR(all)		1401	-630.17	-416.66	-0.03	0.06	-0.25	0.00
1347	STL ENV_STR(all)		1653	-716.05	480.97	-0.02	-0.02	-0.06	0.00
1347	STL ENV_STR(all)		1642	642.17	480.75	-0.02	-0.13	0.14	0.00
1347	STL ENV_STR(all)		109	704.04	-544.96	0.07	-0.03	0.01	0.00
1348	STL ENV_STR(all)		1402	-854.57	-710.85	-0.01	0.07	-0.10	0.00
1348	STL ENV_STR(all)		1655	-867.79	534.73	-0.02	-0.08	-0.11	0.00
1348	STL ENV_STR(all)		1644	871.56	695.49	0.01	-0.10	0.10	0.00
1348	STL ENV_STR(all)		116	850.80	-519.26	0.01	0.03	0.09	0.00
1349	STL ENV_STR(all)		1404	-2432.42	-1769.98	0.02	0.13	-0.13	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1349	STL ENV_STR(all)		1657	-2359.87	1649.53	0.02	-0.02	-0.04	0.00
1349	STL ENV_STR(all)		1646	2501.99	1773.46	-0.01	-0.09	0.15	0.00
1349	STL ENV_STR(all)		117	2290.30	-1652.91	-0.03	0.05	0.08	0.00
1350	STL ENV_STR(all)		1406	-3524.48	-1808.40	0.08	0.07	-0.49	0.00
1350	STL ENV_STR(all)		1407	-3875.03	1969.91	0.00	-0.30	-0.29	0.00
1350	STL ENV_STR(all)		96	3803.26	1730.01	-0.08	0.07	0.27	0.00
1350	STL ENV_STR(all)		118	3596.24	-1891.39	-0.00	0.32	0.20	0.00
1351	STL ENV_STR(all)		1408	31.33	1967.21	0.03	0.70	-0.21	0.00
1351	STL ENV_STR(all)		1409	183.23	1905.27	0.29	0.62	0.19	0.00
1351	STL ENV_STR(all)		1329	246.41	-2010.52	-0.07	-0.42	0.69	0.00
1351	STL ENV_STR(all)		119	-460.98	-1861.82	-0.25	-0.00	0.40	0.00
1352	STL ENV_STR(all)		1410	2289.68	736.47	0.26	2.02	-0.43	0.00
1352	STL ENV_STR(all)		1411	1991.65	-970.80	0.24	1.84	-0.01	0.00
1352	STL ENV_STR(all)		303	-1928.70	-676.06	-0.24	-1.37	0.34	0.00
1352	STL ENV_STR(all)		121	-2352.63	910.56	-0.25	-1.25	-0.07	0.00
1353	STL ENV_STR(all)		1403	-2327.03	-1638.56	-0.00	0.09	-0.09	0.00
1353	STL ENV_STR(all)		1659	-2162.12	1558.46	0.02	-0.10	-0.16	0.00
1353	STL ENV_STR(all)		1648	2342.01	1647.99	-0.01	-0.08	0.12	0.00
1353	STL ENV_STR(all)		88	2147.13	-1567.79	-0.01	0.12	0.20	0.00
1354	STL ENV_STR(all)		1405	-2354.24	-1739.96	-0.04	0.12	-0.20	0.00
1354	STL ENV_STR(all)		1661	-2418.94	1679.05	-0.05	-0.12	-0.08	0.00
1354	STL ENV_STR(all)		1650	2475.70	1730.35	0.07	-0.24	0.30	0.00
1354	STL ENV_STR(all)		92	2297.48	-1669.35	0.03	-0.02	0.07	0.00
1355	STL ENV_STR(all)		1407	-3565.46	-1305.60	0.14	-0.32	-0.26	0.00
1355	STL ENV_STR(all)		1412	-4051.40	2440.53	-0.13	-0.55	-0.88	0.00
1355	STL ENV_STR(all)		1218	3951.01	1022.25	-0.10	0.27	-0.29	0.00
1355	STL ENV_STR(all)		96	3665.85	-2157.03	0.10	0.60	0.28	0.00
1356	STL ENV_STR(all)		1413	1945.27	1765.63	0.20	1.55	-0.45	0.00
1356	STL ENV_STR(all)		1414	1625.16	-353.31	0.22	1.45	0.15	0.00
1356	STL ENV_STR(all)		1331	-1593.16	-1430.74	-0.19	-1.07	0.46	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1356	STL ENV_STR(all)		120	-1977.27	18.56	-0.22	-0.85	-0.15	0.00
1357	STL ENV_STR(all)		1415	-500.46	-224.97	-0.25	-0.15	0.08	0.00
1357	STL ENV_STR(all)		1663	-652.49	571.45	-0.06	-0.20	-0.06	0.00
1357	STL ENV_STR(all)		1467	507.44	252.41	0.13	-0.21	0.06	0.00
1357	STL ENV_STR(all)		8	645.52	-598.79	0.18	-0.23	0.16	0.00
1358	STL ENV_STR(all)		1416	-703.93	-387.54	0.05	0.09	-0.14	0.00
1358	STL ENV_STR(all)		1665	-629.20	639.44	0.03	-0.04	-0.15	0.00
1358	STL ENV_STR(all)		1475	716.46	312.91	-0.13	0.01	-0.03	0.00
1358	STL ENV_STR(all)		9	616.68	-564.72	0.04	0.15	-0.00	0.00
1359	STL ENV_STR(all)		1418	-2480.45	-1400.17	0.04	-0.02	-0.15	0.00
1359	STL ENV_STR(all)		1667	-1545.90	1488.59	-0.03	-0.27	-0.14	0.00
1359	STL ENV_STR(all)		1477	2566.64	1386.94	-0.04	0.05	0.06	0.00
1359	STL ENV_STR(all)		10	1459.71	-1475.26	0.03	0.22	0.04	0.00
1360	STL ENV_STR(all)		1420	-4328.58	-1583.76	0.05	0.12	0.21	0.00
1360	STL ENV_STR(all)		1421	-1998.12	1384.20	0.12	-0.11	0.19	0.00
1360	STL ENV_STR(all)		53	4598.86	1777.50	0.17	-0.18	0.62	0.00
1360	STL ENV_STR(all)		11	1727.83	-1577.79	-0.35	0.53	0.59	0.00
1361	STL ENV_STR(all)		1422	-1637.10	-89.06	0.02	0.16	-0.71	0.00
1361	STL ENV_STR(all)		1423	1878.69	-93.56	-0.25	-0.42	-0.54	0.00
1361	STL ENV_STR(all)		1333	2267.58	-32.85	-0.06	-0.57	-0.12	0.00
1361	STL ENV_STR(all)		12	-2509.18	215.61	0.29	0.25	-0.11	0.00
1362	STL ENV_STR(all)		1417	-1717.77	-1024.57	-0.09	-0.03	0.07	0.00
1362	STL ENV_STR(all)		1669	-1741.20	1597.08	-0.02	-0.18	-0.05	0.00
1362	STL ENV_STR(all)		1483	1683.52	873.91	0.10	-0.11	0.10	0.00
1362	STL ENV_STR(all)		51	1775.45	-1446.32	0.01	0.03	0.17	0.00
1363	STL ENV_STR(all)		1419	-2864.21	-1575.80	0.27	0.31	0.05	0.00
1363	STL ENV_STR(all)		1671	-1011.25	1170.98	0.76	0.28	0.33	0.00
1363	STL ENV_STR(all)		1485	2894.93	1596.04	-0.52	0.98	0.35	0.00
1363	STL ENV_STR(all)		52	980.53	-1191.13	-0.51	0.97	0.19	0.00
1364	STL ENV_STR(all)		1421	-4499.30	-2019.93	-0.27	-0.26	-0.77	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1364	STL ENV_STR(all)		1424	-1436.92	691.44	-0.94	-0.67	-0.85	0.00
1364	STL ENV_STR(all)		1220	4970.65	2003.66	0.36	-1.38	-0.76	0.00
1364	STL ENV_STR(all)		53	965.56	-675.03	0.85	-0.79	-0.62	0.00
1365	STL ENV_STR(all)		1425	-539.98	411.13	0.36	-0.12	-0.12	0.00
1365	STL ENV_STR(all)		1426	2575.33	-759.66	0.05	-0.48	-0.26	0.00
1365	STL ENV_STR(all)		1334	1781.41	-265.35	-0.14	0.01	-0.15	0.00
1365	STL ENV_STR(all)		54	-3816.76	614.02	-0.26	1.59	0.07	0.00
1366	STL ENV_STR(all)		1427	1673.23	442.85	0.12	1.23	-0.28	0.00
1366	STL ENV_STR(all)		1428	1707.32	-853.18	0.11	1.07	-0.07	0.00
1366	STL ENV_STR(all)		306	-1462.56	-447.79	-0.11	-0.89	0.23	0.00
1366	STL ENV_STR(all)		178	-1917.99	858.30	-0.12	-0.82	0.01	0.00
1367	STL ENV_STR(all)		1429	1216.03	301.72	0.05	0.73	-0.22	0.00
1367	STL ENV_STR(all)		1430	1280.31	-661.19	0.06	0.59	-0.10	0.00
1367	STL ENV_STR(all)		309	-1103.48	-299.56	-0.05	-0.57	0.19	0.00
1367	STL ENV_STR(all)		179	-1392.85	659.21	-0.06	-0.48	0.07	0.00
1368	STL ENV_STR(all)		1431	779.89	137.02	0.04	0.50	-0.19	0.00
1368	STL ENV_STR(all)		1432	846.91	-491.32	0.05	0.39	-0.10	0.00
1368	STL ENV_STR(all)		312	-735.85	-134.85	-0.03	-0.40	0.17	0.00
1368	STL ENV_STR(all)		180	-890.96	489.33	-0.05	-0.31	0.09	0.00
1369	STL ENV_STR(all)		1433	352.76	-37.05	0.05	0.48	-0.19	0.00
1369	STL ENV_STR(all)		1434	407.92	-336.21	0.06	0.38	-0.11	0.00
1369	STL ENV_STR(all)		315	-348.11	43.26	-0.05	-0.35	0.19	0.00
1369	STL ENV_STR(all)		181	-412.58	330.17	-0.06	-0.24	0.10	0.00
1370	STL ENV_STR(all)		1435	1210.70	702.84	0.52	-0.46	0.06	0.00
1370	STL ENV_STR(all)		1436	3137.23	-896.52	0.34	-0.65	-0.30	0.00
1370	STL ENV_STR(all)		234	-631.30	-780.31	-0.38	1.33	-0.20	0.00
1370	STL ENV_STR(all)		13	-3716.63	974.16	-0.48	1.95	0.03	0.00
1371	STL ENV_STR(all)		1437	798.02	560.20	0.12	0.01	-0.11	0.00
1371	STL ENV_STR(all)		1438	2165.48	-609.93	0.11	-0.06	-0.17	0.00
1371	STL ENV_STR(all)		246	-587.61	-533.14	-0.14	0.25	-0.04	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1371	STL ENV_STR(all)		136	-2375.90	583.05	-0.09	0.39	0.01	0.00
1372	STL ENV_STR(all)		1439	700.46	406.64	0.06	0.14	-0.13	0.00
1372	STL ENV_STR(all)		1440	1449.71	-445.11	0.05	0.06	-0.13	0.00
1372	STL ENV_STR(all)		255	-593.94	-383.74	-0.08	-0.00	-0.00	0.00
1372	STL ENV_STR(all)		139	-1556.23	422.39	-0.03	0.09	-0.00	0.00
1373	STL ENV_STR(all)		1441	545.03	258.51	0.04	0.11	-0.14	0.00
1373	STL ENV_STR(all)		1442	852.62	-294.97	0.03	0.02	-0.14	0.00
1373	STL ENV_STR(all)		264	-507.13	-243.33	-0.06	-0.00	-0.01	0.00
1373	STL ENV_STR(all)		142	-890.52	279.96	-0.01	0.07	-0.00	0.00
1374	STL ENV_STR(all)		1443	290.67	105.83	0.06	-0.06	-0.12	0.00
1374	STL ENV_STR(all)		1444	338.28	-143.90	0.05	-0.15	-0.17	0.00
1374	STL ENV_STR(all)		273	-289.59	-98.06	-0.09	0.23	-0.05	0.00
1374	STL ENV_STR(all)		145	-339.36	136.31	-0.02	0.26	0.00	0.00
1375	STL ENV_STR(all)		1411	2081.34	536.96	0.22	1.83	-0.36	0.00
1375	STL ENV_STR(all)		1445	1934.21	-1011.40	0.21	1.65	-0.03	0.00
1375	STL ENV_STR(all)		304	-1779.15	-533.59	-0.21	-1.24	0.28	0.00
1375	STL ENV_STR(all)		303	-2236.39	1008.21	-0.22	-1.17	-0.05	0.00
1376	STL ENV_STR(all)		1445	1936.84	480.46	0.19	1.62	-0.32	0.00
1376	STL ENV_STR(all)		1446	1883.36	-974.33	0.17	1.44	-0.04	0.00
1376	STL ENV_STR(all)		305	-1667.05	-495.69	-0.17	-1.11	0.26	0.00
1376	STL ENV_STR(all)		304	-2153.14	989.74	-0.19	-1.05	-0.03	0.00
1377	STL ENV_STR(all)		1446	1800.96	463.64	0.15	1.41	-0.31	0.00
1377	STL ENV_STR(all)		1427	1804.30	-912.76	0.14	1.24	-0.06	0.00
1377	STL ENV_STR(all)		178	-1560.70	-474.64	-0.14	-1.00	0.24	0.00
1377	STL ENV_STR(all)		305	-2044.56	923.94	-0.15	-0.93	-0.01	0.00
1378	STL ENV_STR(all)		1428	1553.51	413.64	0.10	1.07	-0.26	0.00
1378	STL ENV_STR(all)		1447	1603.20	-799.93	0.09	0.91	-0.08	0.00
1378	STL ENV_STR(all)		307	-1370.30	-414.91	-0.09	-0.79	0.21	0.00
1378	STL ENV_STR(all)		306	-1786.40	801.39	-0.10	-0.72	0.03	0.00
1379	STL ENV_STR(all)		1447	1438.67	379.02	0.08	0.94	-0.25	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1379	STL ENV_STR(all)		1448	1496.37	-751.22	0.08	0.79	-0.09	0.00
1379	STL ENV_STR(all)		308	-1280.90	-378.33	-0.07	-0.71	0.20	0.00
1379	STL ENV_STR(all)		307	-1654.14	750.71	-0.09	-0.63	0.04	0.00
1380	STL ENV_STR(all)		1448	1326.56	341.27	0.06	0.82	-0.23	0.00
1380	STL ENV_STR(all)		1429	1388.50	-705.35	0.07	0.68	-0.09	0.00
1380	STL ENV_STR(all)		179	-1192.33	-339.56	-0.06	-0.63	0.19	0.00
1380	STL ENV_STR(all)		308	-1522.72	703.82	-0.07	-0.55	0.06	0.00
1381	STL ENV_STR(all)		1430	1106.36	261.18	0.05	0.65	-0.21	0.00
1381	STL ENV_STR(all)		1449	1172.03	-618.02	0.05	0.52	-0.10	0.00
1381	STL ENV_STR(all)		310	-1013.67	-258.87	-0.04	-0.51	0.18	0.00
1381	STL ENV_STR(all)		309	-1264.72	615.89	-0.06	-0.42	0.07	0.00
1382	STL ENV_STR(all)		1449	997.21	220.08	0.04	0.59	-0.20	0.00
1382	STL ENV_STR(all)		1450	1063.74	-575.44	0.05	0.46	-0.10	0.00
1382	STL ENV_STR(all)		311	-922.55	-217.77	-0.04	-0.47	0.18	0.00
1382	STL ENV_STR(all)		310	-1138.39	573.31	-0.05	-0.38	0.08	0.00
1383	STL ENV_STR(all)		1450	888.39	178.66	0.04	0.54	-0.19	0.00
1383	STL ENV_STR(all)		1431	955.39	-533.23	0.05	0.42	-0.10	0.00
1383	STL ENV_STR(all)		180	-829.96	-176.43	-0.04	-0.43	0.17	0.00
1383	STL ENV_STR(all)		311	-1013.82	531.17	-0.05	-0.34	0.08	0.00
1384	STL ENV_STR(all)		1432	671.71	95.11	0.04	0.48	-0.18	0.00
1384	STL ENV_STR(all)		1451	738.18	-449.75	0.05	0.37	-0.10	0.00
1384	STL ENV_STR(all)		313	-640.21	-92.97	-0.04	-0.38	0.17	0.00
1384	STL ENV_STR(all)		312	-769.67	447.78	-0.05	-0.28	0.09	0.00
1385	STL ENV_STR(all)		1451	564.07	52.72	0.04	0.47	-0.18	0.00
1385	STL ENV_STR(all)		1452	628.96	-409.06	0.05	0.36	-0.10	0.00
1385	STL ENV_STR(all)		314	-543.24	-50.22	-0.04	-0.37	0.18	0.00
1385	STL ENV_STR(all)		313	-649.79	406.74	-0.05	-0.27	0.10	0.00
1386	STL ENV_STR(all)		1452	457.15	9.11	0.04	0.47	-0.18	0.00
1386	STL ENV_STR(all)		1433	518.78	-369.82	0.05	0.37	-0.10	0.00
1386	STL ENV_STR(all)		181	-445.13	-5.94	-0.05	-0.36	0.18	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1386	STL ENV_STR(all)		314	-530.81	366.83	-0.05	-0.25	0.10	0.00
1387	STL ENV_STR(all)		1434	251.91	-90.11	0.07	0.51	-0.19	0.00
1387	STL ENV_STR(all)		1453	289.53	-309.70	0.08	0.40	-0.11	0.00
1387	STL ENV_STR(all)		316	-251.55	101.10	-0.08	-0.33	0.20	0.00
1387	STL ENV_STR(all)		315	-289.89	298.88	-0.07	-0.23	0.11	0.00
1388	STL ENV_STR(all)		1453	143.59	-144.74	0.08	0.52	-0.19	0.00
1388	STL ENV_STR(all)		1454	143.28	-254.44	0.07	0.40	-0.11	0.00
1388	STL ENV_STR(all)		317	-138.13	143.83	-0.07	-0.36	0.18	0.00
1388	STL ENV_STR(all)		316	-148.74	255.53	-0.08	-0.22	0.10	0.00
1389	STL ENV_STR(all)		1454	18.76	-133.85	0.11	0.57	-0.19	0.00
1389	STL ENV_STR(all)		1455	7.97	-76.08	0.15	0.52	-0.17	0.00
1389	STL ENV_STR(all)		182	-14.20	65.72	-0.15	-0.28	0.18	0.00
1389	STL ENV_STR(all)		317	-12.53	144.39	-0.10	-0.19	0.13	0.00
1390	STL ENV_STR(all)		1436	925.93	757.88	0.14	-0.46	-0.13	0.00
1390	STL ENV_STR(all)		1456	2847.30	-780.52	0.19	-0.46	-0.28	0.00
1390	STL ENV_STR(all)		236	-583.26	-674.96	-0.21	0.80	-0.02	0.00
1390	STL ENV_STR(all)		234	-3189.97	697.77	-0.12	0.96	0.20	0.00
1391	STL ENV_STR(all)		1456	886.28	638.71	0.20	-0.18	-0.09	0.00
1391	STL ENV_STR(all)		1457	2612.53	-725.32	0.17	-0.26	-0.23	0.00
1391	STL ENV_STR(all)		238	-593.60	-624.35	-0.21	0.58	-0.09	0.00
1391	STL ENV_STR(all)		236	-2905.21	711.14	-0.16	0.80	0.02	0.00
1392	STL ENV_STR(all)		1457	827.33	613.46	0.13	-0.09	-0.11	0.00
1392	STL ENV_STR(all)		1437	2372.68	-658.66	0.14	-0.15	-0.19	0.00
1392	STL ENV_STR(all)		136	-582.80	-575.71	-0.15	0.39	-0.01	0.00
1392	STL ENV_STR(all)		238	-2617.21	621.09	-0.12	0.54	0.09	0.00
1393	STL ENV_STR(all)		1438	771.57	522.55	0.09	0.06	-0.11	0.00
1393	STL ENV_STR(all)		1458	1969.89	-564.15	0.09	-0.00	-0.15	0.00
1393	STL ENV_STR(all)		247	-592.01	-493.16	-0.11	0.15	-0.00	0.00
1393	STL ENV_STR(all)		246	-2149.44	534.93	-0.07	0.27	0.04	0.00
1394	STL ENV_STR(all)		1458	750.10	481.95	0.08	0.10	-0.12	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1394	STL ENV_STR(all)		1459	1788.11	-523.03	0.08	0.03	-0.14	0.00
1394	STL ENV_STR(all)		248	-597.25	-455.75	-0.10	0.08	-0.01	0.00
1394	STL ENV_STR(all)		247	-1940.96	497.01	-0.05	0.18	0.00	0.00
1395	STL ENV_STR(all)		1459	726.66	444.40	0.07	0.13	-0.12	0.00
1395	STL ENV_STR(all)		1439	1614.85	-483.44	0.06	0.05	-0.13	0.00
1395	STL ENV_STR(all)		139	-598.16	-419.34	-0.08	0.03	0.00	0.00
1395	STL ENV_STR(all)		248	-1743.35	458.55	-0.04	0.12	0.01	0.00
1396	STL ENV_STR(all)		1440	669.61	369.56	0.05	0.14	-0.13	0.00
1396	STL ENV_STR(all)		1460	1291.23	-407.26	0.04	0.06	-0.13	0.00
1396	STL ENV_STR(all)		256	-583.11	-348.45	-0.07	-0.02	0.00	0.00
1396	STL ENV_STR(all)		255	-1377.73	386.34	-0.03	0.06	0.00	0.00
1397	STL ENV_STR(all)		1460	633.71	332.47	0.05	0.14	-0.14	0.00
1397	STL ENV_STR(all)		1461	1139.14	-369.74	0.04	0.05	-0.14	0.00
1397	STL ENV_STR(all)		257	-565.28	-313.38	-0.07	-0.02	-0.00	0.00
1397	STL ENV_STR(all)		256	-1207.57	350.83	-0.02	0.05	-0.00	0.00
1398	STL ENV_STR(all)		1461	592.25	295.52	0.04	0.13	-0.14	0.00
1398	STL ENV_STR(all)		1441	993.00	-332.34	0.04	0.04	-0.13	0.00
1398	STL ENV_STR(all)		142	-540.02	-278.36	-0.06	-0.02	0.00	0.00
1398	STL ENV_STR(all)		257	-1045.23	315.35	-0.01	0.06	0.00	0.00
1399	STL ENV_STR(all)		1442	491.83	221.41	0.04	0.09	-0.13	0.00
1399	STL ENV_STR(all)		1462	717.70	-257.55	0.03	-0.00	-0.14	0.00
1399	STL ENV_STR(all)		265	-466.35	-208.18	-0.06	0.02	0.00	0.00
1399	STL ENV_STR(all)		264	-743.18	244.49	-0.01	0.09	0.01	0.00
1400	STL ENV_STR(all)		1462	432.35	184.02	0.05	0.05	-0.14	0.00
1400	STL ENV_STR(all)		1463	587.81	-220.00	0.03	-0.04	-0.15	0.00
1400	STL ENV_STR(all)		266	-417.34	-172.71	-0.07	0.07	-0.02	0.00
1400	STL ENV_STR(all)		265	-602.81	208.86	-0.01	0.13	-0.00	0.00
1401	STL ENV_STR(all)		1463	365.84	145.85	0.05	0.01	-0.12	0.00
1401	STL ENV_STR(all)		1443	461.95	-182.24	0.04	-0.09	-0.14	0.00
1401	STL ENV_STR(all)		145	-359.16	-136.32	-0.07	0.12	-0.00	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1401	STL ENV_STR(all)		266	-468.63	172.89	-0.02	0.18	0.02	0.00
1402	STL ENV_STR(all)		1444	204.61	63.10	0.06	-0.14	-0.08	0.00
1402	STL ENV_STR(all)		1464	215.81	-103.82	0.05	-0.25	-0.13	0.00
1402	STL ENV_STR(all)		274	-205.63	-57.85	-0.07	0.31	-0.00	0.00
1402	STL ENV_STR(all)		273	-214.79	98.75	-0.04	0.35	0.05	0.00
1403	STL ENV_STR(all)		1464	111.94	22.25	0.09	-0.27	-0.11	0.00
1403	STL ENV_STR(all)		1465	103.38	-60.33	0.06	-0.37	-0.22	0.00
1403	STL ENV_STR(all)		275	-112.11	-22.41	-0.13	0.53	-0.11	0.00
1403	STL ENV_STR(all)		274	-103.21	60.67	-0.02	0.50	0.00	0.00
1404	STL ENV_STR(all)		1465	33.81	-0.28	0.13	-0.38	-0.01	0.00
1404	STL ENV_STR(all)		1466	26.18	-14.81	0.15	-0.49	-0.13	0.00
1404	STL ENV_STR(all)		14	-34.57	-8.17	-0.15	0.80	0.00	0.00
1404	STL ENV_STR(all)		275	-25.42	23.44	-0.12	0.76	0.11	0.00
1405	STL ENV_STR(all)		1346	-629.02	1236.04	-0.44	0.18	1.56	0.00
1405	STL ENV_STR(all)		1342	-2789.00	3845.63	0.77	1.03	1.07	0.00
1405	STL ENV_STR(all)		475	1083.85	-2287.77	0.06	-0.16	0.68	0.00
1405	STL ENV_STR(all)		1217	2334.17	-2793.75	-0.39	-0.09	1.35	0.00
1406	STL ENV_STR(all)		1358	-1712.37	-82.43	-0.19	-0.32	0.25	0.00
1406	STL ENV_STR(all)		1356	-200.40	1028.49	0.08	-0.72	-0.52	0.00
1406	STL ENV_STR(all)		486	2063.43	-160.58	0.15	0.21	0.45	0.00
1406	STL ENV_STR(all)		1219	-150.65	-785.33	-0.04	0.55	1.14	0.00
1407	STL ENV_STR(all)		1412	-1240.13	630.21	-0.15	-0.16	0.52	0.00
1407	STL ENV_STR(all)		1408	-1376.40	2339.95	0.23	-0.29	-0.33	0.00
1407	STL ENV_STR(all)		119	1584.83	-1149.28	0.08	0.17	0.40	0.00
1407	STL ENV_STR(all)		1218	1031.70	-1820.73	-0.17	0.56	1.21	0.00
1408	STL ENV_STR(all)		1424	-2150.59	-793.97	-0.60	-0.38	-0.12	0.00
1408	STL ENV_STR(all)		1422	1108.36	-96.18	-0.21	-0.54	-0.55	0.00
1408	STL ENV_STR(all)		12	2698.07	565.29	0.13	-0.39	0.11	0.00
1408	STL ENV_STR(all)		1220	-1655.84	325.01	0.67	-0.73	0.27	0.00
1409	STL ENV_STR(all)		1343	2661.75	3690.15	0.25	2.62	-0.19	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1409	STL ENV_STR(all)		1347	561.02	1199.15	0.28	2.71	0.62	0.00
1409	STL ENV_STR(all)		476	-2223.93	-2804.05	-0.22	-1.97	0.43	0.00
1409	STL ENV_STR(all)		1327	-998.84	-2085.11	-0.31	-1.96	-0.58	0.00
1410	STL ENV_STR(all)		1348	2333.51	796.18	0.28	2.79	-0.65	0.00
1410	STL ENV_STR(all)		1344	807.04	-817.05	0.18	2.56	0.12	0.00
1410	STL ENV_STR(all)		477	-2095.35	-750.90	-0.24	-2.18	0.51	0.00
1410	STL ENV_STR(all)		1328	-1045.20	771.91	-0.22	-2.03	-0.32	0.00
1411	STL ENV_STR(all)		1357	164.70	1336.33	0.10	0.49	-0.50	0.00
1411	STL ENV_STR(all)		1359	1807.76	168.70	0.17	0.18	-0.18	0.00
1411	STL ENV_STR(all)		487	163.70	-1156.66	-0.10	-0.22	0.58	0.00
1411	STL ENV_STR(all)		1330	-2136.16	-348.23	-0.17	0.28	0.40	0.00
1412	STL ENV_STR(all)		1360	1176.10	1078.76	0.19	0.65	-0.26	0.00
1412	STL ENV_STR(all)		1369	2259.27	-710.09	0.21	0.48	-0.06	0.00
1412	STL ENV_STR(all)		488	-878.12	-1009.59	-0.16	-0.18	0.31	0.00
1412	STL ENV_STR(all)		1332	-2557.25	641.06	-0.24	0.06	0.12	0.00
1413	STL ENV_STR(all)		1409	1299.94	2376.69	0.17	1.24	-0.44	0.00
1413	STL ENV_STR(all)		1413	1266.89	705.85	0.25	1.24	0.24	0.00
1413	STL ENV_STR(all)		120	-979.56	-1987.33	-0.18	-0.84	0.57	0.00
1413	STL ENV_STR(all)		1329	-1587.27	-1095.07	-0.24	-0.50	-0.08	0.00
1414	STL ENV_STR(all)		1414	1960.46	1104.33	0.20	1.62	-0.43	0.00
1414	STL ENV_STR(all)		1410	1617.35	-805.15	0.21	1.48	0.09	0.00
1414	STL ENV_STR(all)		121	-1642.68	-983.38	-0.20	-1.11	0.38	0.00
1414	STL ENV_STR(all)		1331	-1935.12	684.35	-0.20	-0.96	-0.13	0.00
1415	STL ENV_STR(all)		1423	-809.50	802.14	0.20	-0.12	-0.55	0.00
1415	STL ENV_STR(all)		1425	2471.48	-26.91	0.33	-0.45	-0.78	0.00
1415	STL ENV_STR(all)		54	605.60	-807.95	-0.59	1.36	-0.07	0.00
1415	STL ENV_STR(all)		1333	-2267.58	32.85	0.06	0.57	0.12	0.00
1416	STL ENV_STR(all)		1426	99.62	942.40	-0.04	-0.28	-0.31	0.00
1416	STL ENV_STR(all)		1435	2310.79	-403.27	0.12	-0.38	-0.35	0.00
1416	STL ENV_STR(all)		13	-629.01	-804.35	-0.21	0.89	-0.03	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1416	STL ENV_STR(all)		1334	-1781.41	265.35	0.14	-0.01	0.15	0.00
1417	STL ENV_STR(all)		1467	-668.70	-542.88	41.72	58.27	-195.75	0.00
1417	STL ENV_STR(all)		1468	237.48	39.60	-39.35	53.04	95.33	0.00
1417	STL ENV_STR(all)		624	573.23	564.12	-34.95	-58.29	106.73	0.00
1417	STL ENV_STR(all)		9	-142.00	-60.84	32.73	-46.14	-191.22	0.00
1418	STL ENV_STR(all)		1469	86.23	390.41	20.33	11.85	9.04	0.00
1418	STL ENV_STR(all)		1470	66.41	-68.44	-0.84	54.27	1.58	0.00
1418	STL ENV_STR(all)		625	-82.90	-145.25	-3.30	15.62	-8.39	0.00
1418	STL ENV_STR(all)		30	-69.74	-176.73	-16.05	-13.10	-13.10	0.00
1419	STL ENV_STR(all)		1471	65.14	-119.39	13.24	-62.26	-3.31	0.00
1419	STL ENV_STR(all)		1472	532.96	-823.13	-13.83	-16.85	-31.22	0.00
1419	STL ENV_STR(all)		587	163.16	-14.18	-48.12	108.93	-62.13	0.00
1419	STL ENV_STR(all)		55	-761.26	956.70	48.85	-34.52	-59.96	0.00
1420	STL ENV_STR(all)		1473	72.85	-996.20	-41.07	44.02	-39.68	0.00
1420	STL ENV_STR(all)		1474	117.44	-1308.81	-15.71	-22.56	-18.00	0.00
1420	STL ENV_STR(all)		596	-129.20	1042.34	18.84	-148.80	29.27	0.00
1420	STL ENV_STR(all)		56	-61.09	1262.66	38.09	-72.81	35.94	0.00
1421	STL ENV_STR(all)		1475	-967.50	-591.12	139.39	34.24	-280.42	0.00
1421	STL ENV_STR(all)		1476	191.27	367.20	-49.61	23.30	23.15	0.00
1421	STL ENV_STR(all)		557	1193.58	719.47	-165.76	127.38	25.22	0.00
1421	STL ENV_STR(all)		51	-417.35	-495.55	76.12	128.40	-304.67	0.00
1422	STL ENV_STR(all)		1477	-737.32	-2041.17	9.99	38.12	-16.50	0.00
1422	STL ENV_STR(all)		1478	-472.00	-349.72	30.81	62.91	82.44	0.00
1422	STL ENV_STR(all)		566	693.82	2043.06	21.56	23.33	54.64	0.00
1422	STL ENV_STR(all)		52	515.51	347.84	-62.22	15.95	11.30	0.00
1423	STL ENV_STR(all)		1479	42.23	-622.32	-52.55	-148.74	-18.42	0.00
1423	STL ENV_STR(all)		1480	55.24	-829.66	-33.79	-176.51	-11.29	0.00
1423	STL ENV_STR(all)		626	-49.86	693.12	37.61	-10.81	2.72	0.00
1423	STL ENV_STR(all)		31	-47.61	758.86	48.87	32.80	36.34	0.00
1424	STL ENV_STR(all)		1481	-186.92	-1777.33	-87.88	-302.93	39.33	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1424	STL ENV_STR(all)		1482	204.79	-1741.66	-39.41	-225.24	-63.73	0.00
1424	STL ENV_STR(all)		627	43.09	1716.44	49.57	23.94	-13.68	0.00
1424	STL ENV_STR(all)		32	-60.96	1802.55	77.85	55.42	63.32	0.00
1425	STL ENV_STR(all)		1483	-969.76	-1343.66	139.22	70.10	-354.63	0.00
1425	STL ENV_STR(all)		1484	-82.31	66.84	-117.69	67.88	81.24	0.00
1425	STL ENV_STR(all)		632	799.27	1406.20	-89.29	-22.34	67.82	0.00
1425	STL ENV_STR(all)		10	252.80	-129.37	67.90	-41.83	-311.05	0.00
1426	STL ENV_STR(all)		1485	-741.06	-2552.32	-46.84	-160.63	44.91	0.00
1426	STL ENV_STR(all)		1486	-420.17	-960.94	-42.57	-105.27	-45.65	0.00
1426	STL ENV_STR(all)		633	618.96	2587.03	1.74	10.89	-110.62	0.00
1426	STL ENV_STR(all)		11	542.27	926.23	87.82	-62.68	10.60	0.00
1427	STL ENV_STR(all)		1487	-301.68	-346.41	0.07	37.35	-24.69	0.00
1427	STL ENV_STR(all)		1488	48.67	83.48	-3.55	6.87	-6.48	0.00
1427	STL ENV_STR(all)		638	221.33	270.75	-12.13	-41.11	6.94	0.00
1427	STL ENV_STR(all)		122	31.67	-7.82	15.76	-16.25	-14.50	0.00
1428	STL ENV_STR(all)		1489	-193.85	20.39	-27.93	17.85	-16.51	0.00
1428	STL ENV_STR(all)		1490	557.85	-500.80	19.32	42.21	90.06	0.00
1428	STL ENV_STR(all)		639	77.68	-8.81	31.80	-33.29	88.25	0.00
1428	STL ENV_STR(all)		123	-441.68	489.22	-23.06	-58.33	-35.13	0.00
1429	STL ENV_STR(all)		1491	-10.36	321.91	20.27	-11.24	60.22	0.00
1429	STL ENV_STR(all)		1492	896.38	-826.61	88.30	15.51	39.19	0.00
1429	STL ENV_STR(all)		584	148.45	-413.83	-28.72	198.25	6.22	0.00
1429	STL ENV_STR(all)		102	-1034.46	918.53	-79.71	175.66	40.91	0.00
1430	STL ENV_STR(all)		1493	349.34	-575.84	-5.15	71.55	-83.07	0.00
1430	STL ENV_STR(all)		1494	544.55	-1817.00	-2.75	-5.58	30.02	0.00
1430	STL ENV_STR(all)		593	-381.61	565.37	2.83	-69.44	79.83	0.00
1430	STL ENV_STR(all)		105	-512.28	1827.47	5.22	-26.54	-27.51	0.00
1431	STL ENV_STR(all)		1495	-754.23	-896.39	43.58	-5.05	48.45	0.00
1431	STL ENV_STR(all)		1496	-66.33	205.91	49.51	-20.17	-46.84	0.00
1431	STL ENV_STR(all)		560	903.62	942.91	-38.69	157.63	-35.23	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1431	STL ENV_STR(all)		91	-83.06	-252.43	-54.26	191.25	62.54	0.00
1432	STL ENV_STR(all)		1497	-344.22	-1606.36	-3.19	-6.84	-12.37	0.00
1432	STL ENV_STR(all)		1498	-231.45	-805.19	-13.67	97.04	58.95	0.00
1432	STL ENV_STR(all)		569	310.56	1611.29	2.71	-36.75	-5.77	0.00
1432	STL ENV_STR(all)		95	265.11	800.26	14.28	-114.40	-67.97	0.00
1433	STL ENV_STR(all)		1499	-41.25	-301.05	-76.17	-49.66	16.56	0.00
1433	STL ENV_STR(all)		1500	663.53	-1120.75	27.37	-64.52	67.56	0.00
1433	STL ENV_STR(all)		640	-109.69	249.45	70.94	-59.90	118.00	0.00
1433	STL ENV_STR(all)		124	-512.59	1172.35	-22.00	1.71	42.80	0.00
1434	STL ENV_STR(all)		1501	265.79	-1132.47	-11.90	-48.12	26.47	0.00
1434	STL ENV_STR(all)		1502	570.18	-2352.82	-2.04	-122.34	-66.88	0.00
1434	STL ENV_STR(all)		641	-375.76	1182.15	-2.95	8.96	-58.51	0.00
1434	STL ENV_STR(all)		125	-460.21	2303.14	17.03	108.35	85.25	0.00
1435	STL ENV_STR(all)		1503	-375.83	-942.26	-19.35	-128.82	20.80	0.00
1435	STL ENV_STR(all)		1504	105.61	-620.54	-42.22	-107.85	-23.94	0.00
1435	STL ENV_STR(all)		644	242.96	998.98	12.54	44.72	-55.79	0.00
1435	STL ENV_STR(all)		128	27.27	563.82	49.18	-24.93	-15.15	0.00
1436	STL ENV_STR(all)		1505	-360.51	-1980.76	3.30	-142.53	77.48	0.00
1436	STL ENV_STR(all)		1506	-25.78	-1443.23	-7.54	-56.12	-15.14	0.00
1436	STL ENV_STR(all)		645	251.26	1984.33	7.98	151.35	-74.53	0.00
1436	STL ENV_STR(all)		129	135.04	1439.67	-3.59	28.82	13.48	0.00
1437	STL ENV_STR(all)		1468	-559.80	-504.07	19.31	41.12	-89.57	0.00
1437	STL ENV_STR(all)		1487	192.02	22.09	-28.12	18.08	16.90	0.00
1437	STL ENV_STR(all)		122	443.59	492.82	-23.00	-57.49	34.45	0.00
1437	STL ENV_STR(all)		624	-75.81	-10.84	31.95	-33.99	-88.78	0.00
1438	STL ENV_STR(all)		1470	-49.43	83.78	-3.30	6.79	6.83	0.00
1438	STL ENV_STR(all)		1489	300.18	-343.55	0.04	38.80	25.16	0.00
1438	STL ENV_STR(all)		123	-30.66	-7.51	15.55	-15.61	13.93	0.00
1438	STL ENV_STR(all)		625	-220.09	267.28	-12.15	-42.33	-7.77	0.00
1439	STL ENV_STR(all)		1472	65.05	208.51	49.39	-21.47	47.60	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1439	STL ENV_STR(all)		1491	753.08	-891.34	43.76	-4.92	-48.04	0.00
1439	STL ENV_STR(all)		102	84.53	-254.06	-54.21	192.46	-63.05	0.00
1439	STL ENV_STR(all)		587	-902.66	936.89	-38.79	157.79	35.13	0.00
1440	STL ENV_STR(all)		1474	230.24	-798.35	-13.73	96.15	-58.48	0.00
1440	STL ENV_STR(all)		1493	341.56	-1596.70	-3.23	-6.17	12.99	0.00
1440	STL ENV_STR(all)		105	-264.60	796.05	14.39	-113.71	67.63	0.00
1440	STL ENV_STR(all)		596	-307.20	1598.99	2.72	-37.61	5.17	0.00
1441	STL ENV_STR(all)		1476	-898.19	-830.96	88.16	15.11	-38.76	0.00
1441	STL ENV_STR(all)		1495	8.49	321.75	20.28	-10.34	-59.59	0.00
1441	STL ENV_STR(all)		91	1036.14	923.86	-79.57	175.71	-41.14	0.00
1441	STL ENV_STR(all)		557	-146.44	-414.65	-28.73	197.26	-6.68	0.00
1442	STL ENV_STR(all)		1478	-547.29	-1823.33	-2.69	-6.25	-29.65	0.00
1442	STL ENV_STR(all)		1497	-350.60	-578.52	-5.23	72.27	83.47	0.00
1442	STL ENV_STR(all)		95	515.55	1835.78	5.10	-25.88	26.85	0.00
1442	STL ENV_STR(all)		566	382.34	566.07	2.97	-70.19	-80.43	0.00
1443	STL ENV_STR(all)		1480	-106.86	-615.79	-42.13	-108.19	24.23	0.00
1443	STL ENV_STR(all)		1499	374.19	-934.94	-19.41	-127.99	-20.44	0.00
1443	STL ENV_STR(all)		124	-25.78	560.57	49.11	-24.46	14.69	0.00
1443	STL ENV_STR(all)		626	-241.55	990.15	12.58	43.87	55.25	0.00
1444	STL ENV_STR(all)		1482	36.87	-1426.81	-7.17	-55.48	15.05	0.00
1444	STL ENV_STR(all)		1501	362.59	-1985.02	3.31	-139.64	-76.18	0.00
1444	STL ENV_STR(all)		125	-145.02	1425.54	-4.05	29.21	-14.02	0.00
1444	STL ENV_STR(all)		627	-254.44	1986.29	8.05	148.73	72.71	0.00
1445	STL ENV_STR(all)		1484	-665.74	-1126.61	27.39	-65.24	-67.20	0.00
1445	STL ENV_STR(all)		1503	39.24	-302.44	-76.25	-49.26	-16.20	0.00
1445	STL ENV_STR(all)		128	514.67	1179.67	-22.01	2.38	-43.28	0.00
1445	STL ENV_STR(all)		632	111.83	249.38	71.01	-60.46	-118.48	0.00
1446	STL ENV_STR(all)		1486	-565.17	-2344.53	-1.99	-124.66	67.87	0.00
1446	STL ENV_STR(all)		1505	-255.71	-1146.51	-12.44	-48.29	-26.33	0.00
1446	STL ENV_STR(all)		129	454.72	2296.09	17.00	110.14	-86.91	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1446	STL ENV_STR(all)		633	366.15	1194.95	-2.42	7.97	57.61	0.00
1447	STL ENV_STR(all)		1488	-67.06	-71.13	-0.95	52.19	-1.40	0.00
1447	STL ENV_STR(all)		1507	-86.05	387.40	19.41	11.18	-8.60	0.00
1447	STL ENV_STR(all)		37	70.02	-173.07	-15.48	-12.96	12.32	0.00
1447	STL ENV_STR(all)		638	83.08	-143.20	-2.84	14.62	7.68	0.00
1448	STL ENV_STR(all)		1490	-239.67	36.88	-39.23	52.50	-94.93	0.00
1448	STL ENV_STR(all)		1467	666.43	-539.64	41.66	59.08	196.23	0.00
1448	STL ENV_STR(all)		9	144.23	-57.81	32.64	-45.40	190.63	0.00
1448	STL ENV_STR(all)		639	-570.99	560.57	-34.93	-59.08	-107.36	0.00
1449	STL ENV_STR(all)		1492	-193.44	365.42	-49.65	22.55	-22.57	0.00
1449	STL ENV_STR(all)		1475	965.44	-587.88	139.48	34.80	280.87	0.00
1449	STL ENV_STR(all)		51	419.55	-492.85	76.17	129.07	304.27	0.00
1449	STL ENV_STR(all)		584	-1191.55	715.32	-165.85	127.03	-25.53	0.00
1450	STL ENV_STR(all)		1494	470.35	-350.18	30.94	62.18	-81.83	0.00
1450	STL ENV_STR(all)		1477	735.14	-2037.90	9.90	38.76	16.63	0.00
1450	STL ENV_STR(all)		52	-513.85	349.96	-62.41	16.73	-12.35	0.00
1450	STL ENV_STR(all)		593	-691.64	2038.13	21.71	22.78	-55.01	0.00
1451	STL ENV_STR(all)		1496	-533.10	-828.10	-14.37	-16.91	31.30	0.00
1451	STL ENV_STR(all)		1508	-65.40	-124.11	12.45	-61.86	3.96	0.00
1451	STL ENV_STR(all)		59	761.04	962.00	49.83	-37.40	60.21	0.00
1451	STL ENV_STR(all)		560	-162.54	-9.79	-47.78	106.83	61.63	0.00
1452	STL ENV_STR(all)		1498	-118.23	-1320.41	-15.85	-23.60	18.61	0.00
1452	STL ENV_STR(all)		1509	-73.39	-1007.70	-41.42	43.98	40.17	0.00
1452	STL ENV_STR(all)		60	61.20	1276.05	38.55	-72.48	-36.51	0.00
1452	STL ENV_STR(all)		569	130.41	1052.06	18.87	-149.76	-29.53	0.00
1453	STL ENV_STR(all)		1500	79.95	65.38	-117.63	67.34	-80.86	0.00
1453	STL ENV_STR(all)		1483	967.23	-1339.75	139.18	70.74	355.02	0.00
1453	STL ENV_STR(all)		10	-250.34	-126.42	67.85	-41.20	310.52	0.00
1453	STL ENV_STR(all)		640	-796.84	1400.78	-89.27	-22.98	-68.27	0.00
1454	STL ENV_STR(all)		1502	428.62	-948.67	-41.79	-106.01	46.13	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1454	STL ENV_STR(all)		1485	748.45	-2563.03	-47.43	-159.24	-45.22	0.00
1454	STL ENV_STR(all)		11	-550.46	914.81	87.22	-61.31	-12.50	0.00
1454	STL ENV_STR(all)		641	-626.60	2596.89	2.14	9.52	109.35	0.00
1455	STL ENV_STR(all)		1504	-55.93	-838.10	-33.87	-177.68	11.52	0.00
1455	STL ENV_STR(all)		1510	-42.59	-630.79	-53.01	-148.93	18.84	0.00
1455	STL ENV_STR(all)		38	48.00	768.80	49.23	32.97	-36.79	0.00
1455	STL ENV_STR(all)		644	50.52	700.09	37.79	-11.49	-3.15	0.00
1456	STL ENV_STR(all)		1506	-206.19	-1744.78	-40.21	-229.29	65.04	0.00
1456	STL ENV_STR(all)		1511	198.20	-1800.27	-89.25	-307.28	-39.38	0.00
1456	STL ENV_STR(all)		39	59.54	1811.70	79.19	56.39	-64.54	0.00
1456	STL ENV_STR(all)		645	-51.55	1733.35	50.42	23.78	13.51	0.00
1457	STL ENV_STR(all)		1512	868.43	509.44	146.42	77.91	-791.02	0.00
1457	STL ENV_STR(all)		1513	-257.57	-310.22	-184.69	-25.75	322.46	0.00
1457	STL ENV_STR(all)		729	-756.71	-545.16	-146.99	-106.12	433.00	0.00
1457	STL ENV_STR(all)		2	145.85	345.94	186.02	-80.37	-796.60	0.00
1458	STL ENV_STR(all)		1514	-48.67	-288.86	-247.57	-856.42	988.95	0.00
1458	STL ENV_STR(all)		1515	-412.98	355.35	426.22	-285.96	281.48	0.00
1458	STL ENV_STR(all)		732	228.38	291.44	272.55	975.79	29.78	0.00
1458	STL ENV_STR(all)		733	233.28	-357.93	-450.45	792.32	447.94	0.00
1459	STL ENV_STR(all)		1516	-521.72	-816.47	-491.54	5.24	-75.83	0.00
1459	STL ENV_STR(all)		1517	-645.74	872.09	-174.24	-598.99	-52.17	0.00
1459	STL ENV_STR(all)		734	506.36	762.77	269.27	-1037.88	221.05	0.00
1459	STL ENV_STR(all)		735	661.10	-818.39	397.27	-697.80	143.05	0.00
1460	STL ENV_STR(all)		1518	-310.21	83.09	-220.75	-86.07	186.03	0.00
1460	STL ENV_STR(all)		1519	-362.45	1037.96	36.09	-361.93	-105.73	0.00
1460	STL ENV_STR(all)		738	355.45	-96.28	139.80	-221.07	52.49	0.00
1460	STL ENV_STR(all)		739	317.21	-1024.77	45.63	21.61	305.70	0.00
1461	STL ENV_STR(all)		1520	963.04	486.96	178.18	100.84	-516.34	0.00
1461	STL ENV_STR(all)		1521	5.08	-746.73	-36.38	220.03	333.43	0.00
1461	STL ENV_STR(all)		752	-1156.59	-608.68	-165.23	134.18	173.72	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1461	STL ENV_STR(all)		43	188.47	868.45	24.19	39.92	-497.92	0.00
1462	STL ENV_STR(all)		1522	735.84	1517.12	64.28	52.71	-245.03	0.00
1462	STL ENV_STR(all)		1523	585.62	-343.71	-13.18	99.36	218.83	0.00
1462	STL ENV_STR(all)		754	-681.02	-1506.21	-21.66	38.98	142.81	0.00
1462	STL ENV_STR(all)		45	-640.45	332.80	-28.68	-12.14	-205.82	0.00
1463	STL ENV_STR(all)		1524	-157.57	-140.61	8.53	-131.05	338.63	0.00
1463	STL ENV_STR(all)		1525	-445.09	699.76	189.12	111.57	106.10	0.00
1463	STL ENV_STR(all)		737	190.91	143.89	46.11	409.34	14.82	0.00
1463	STL ENV_STR(all)		736	411.76	-703.04	-243.00	302.44	128.92	0.00
1464	STL ENV_STR(all)		1526	-301.31	457.50	19.97	115.80	-73.79	0.00
1464	STL ENV_STR(all)		1527	-274.21	1291.71	-18.52	22.80	-20.16	0.00
1464	STL ENV_STR(all)		741	325.66	-486.12	-13.60	-88.14	50.62	0.00
1464	STL ENV_STR(all)		740	249.86	-1263.09	12.90	-45.53	-37.54	0.00
1465	STL ENV_STR(all)		1528	953.01	1070.16	105.70	127.27	-433.94	0.00
1465	STL ENV_STR(all)		1529	293.69	-631.16	-87.42	81.56	184.09	0.00
1465	STL ENV_STR(all)		753	-838.77	-1114.17	-86.94	-86.10	232.72	0.00
1465	STL ENV_STR(all)		3	-407.93	675.17	69.42	-59.17	-421.05	0.00
1466	STL ENV_STR(all)		1530	642.92	1883.35	-62.75	-166.52	55.13	0.00
1466	STL ENV_STR(all)		1531	611.75	146.94	-28.42	-89.90	-1.69	0.00
1466	STL ENV_STR(all)		755	-546.92	-1903.26	40.47	5.96	-69.18	0.00
1466	STL ENV_STR(all)		4	-707.75	-127.02	51.45	-67.56	43.44	0.00
1467	STL ENV_STR(all)		1532	644.78	483.62	217.63	-133.08	-458.62	0.00
1467	STL ENV_STR(all)		1533	-55.61	-340.64	-220.23	-604.91	-311.21	0.00
1467	STL ENV_STR(all)		763	-516.80	-484.53	-206.07	281.59	-38.00	0.00
1467	STL ENV_STR(all)		764	-72.38	341.54	209.42	448.18	-261.86	0.00
1468	STL ENV_STR(all)		1534	175.10	-348.51	-166.49	-271.50	-9.27	0.00
1468	STL ENV_STR(all)		1535	-821.53	563.15	154.87	23.69	565.12	0.00
1468	STL ENV_STR(all)		767	-43.83	342.02	170.50	148.95	464.07	0.00
1468	STL ENV_STR(all)		768	690.26	-556.67	-158.12	58.76	-204.47	0.00
1469	STL ENV_STR(all)		1536	-260.21	-760.24	-22.88	234.65	-342.08	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1469	STL ENV_STR(all)		1537	-915.13	780.61	57.80	-82.90	169.16	0.00
1469	STL ENV_STR(all)		769	167.06	864.82	-56.53	-130.48	259.39	0.00
1469	STL ENV_STR(all)		770	1008.28	-885.18	22.37	101.20	-82.00	0.00
1470	STL ENV_STR(all)		1538	-487.71	-193.92	-56.28	71.55	-169.17	0.00
1470	STL ENV_STR(all)		1539	-616.33	1349.67	38.25	-84.11	148.65	0.00
1470	STL ENV_STR(all)		773	538.73	195.88	42.55	-111.79	239.58	0.00
1470	STL ENV_STR(all)		774	565.31	-1351.63	-23.77	61.48	-17.27	0.00
1471	STL ENV_STR(all)		1540	773.27	903.19	-80.83	-325.10	-36.33	0.00
1471	STL ENV_STR(all)		1541	423.78	-747.10	-169.99	168.14	374.29	0.00
1471	STL ENV_STR(all)		783	-820.23	-928.91	213.90	-199.54	13.95	0.00
1471	STL ENV_STR(all)		784	-376.82	772.82	37.68	-520.51	-244.16	0.00
1472	STL ENV_STR(all)		1542	489.07	1196.22	37.15	-219.70	-50.71	0.00
1472	STL ENV_STR(all)		1543	399.51	-48.29	-119.77	17.53	63.12	0.00
1472	STL ENV_STR(all)		787	-434.97	-1195.67	-7.76	85.85	-146.41	0.00
1472	STL ENV_STR(all)		788	-453.61	47.73	91.14	-173.11	-185.94	0.00
1473	STL ENV_STR(all)		1544	-240.68	-424.74	-17.86	-18.91	-70.73	0.00
1473	STL ENV_STR(all)		1545	-759.35	950.91	33.81	95.48	213.67	0.00
1473	STL ENV_STR(all)		772	324.20	449.07	54.25	18.12	216.56	0.00
1473	STL ENV_STR(all)		771	675.83	-975.23	-69.44	-38.60	-138.95	0.00
1474	STL ENV_STR(all)		1546	-532.68	204.51	17.09	25.13	-58.23	0.00
1474	STL ENV_STR(all)		1547	-535.57	1760.19	-37.71	-114.20	-77.72	0.00
1474	STL ENV_STR(all)		776	605.17	-264.87	-29.97	-40.97	-43.68	0.00
1474	STL ENV_STR(all)		775	463.08	-1699.84	51.34	58.53	10.65	0.00
1475	STL ENV_STR(all)		1548	599.15	829.96	49.47	97.00	-150.44	0.00
1475	STL ENV_STR(all)		1549	193.25	-270.99	11.44	-106.12	-29.64	0.00
1475	STL ENV_STR(all)		786	-535.64	-838.29	-96.21	57.36	63.28	0.00
1475	STL ENV_STR(all)		785	-256.76	279.33	36.06	165.44	-97.47	0.00
1476	STL ENV_STR(all)		1550	380.83	1476.06	-27.80	-40.60	59.38	0.00
1476	STL ENV_STR(all)		1551	405.54	351.80	30.96	90.31	86.32	0.00
1476	STL ENV_STR(all)		790	-338.27	-1452.56	30.56	17.02	27.34	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1476	STL ENV_STR(all)		789	-448.11	-375.30	-32.95	-55.55	-20.88	0.00
1477	STL ENV_STR(all)		1513	822.01	563.67	154.62	22.72	-564.25	0.00
1477	STL ENV_STR(all)		1532	-174.88	-348.99	-166.45	-270.64	10.09	0.00
1477	STL ENV_STR(all)		764	-690.72	-557.17	-157.87	59.31	203.97	0.00
1477	STL ENV_STR(all)		729	43.60	342.50	170.46	147.79	-464.52	0.00
1478	STL ENV_STR(all)		1515	55.84	-340.09	-220.23	-605.80	312.15	0.00
1478	STL ENV_STR(all)		1534	-644.21	483.05	217.95	-132.14	459.38	0.00
1478	STL ENV_STR(all)		768	72.15	341.00	209.40	449.56	261.28	0.00
1478	STL ENV_STR(all)		732	516.22	-483.96	-206.36	281.26	37.62	0.00
1479	STL ENV_STR(all)		1517	-423.26	-746.54	-170.17	166.92	-373.36	0.00
1479	STL ENV_STR(all)		1536	-773.05	902.74	-80.38	-326.10	36.15	0.00
1479	STL ENV_STR(all)		770	376.17	772.24	37.88	-519.21	244.04	0.00
1479	STL ENV_STR(all)		734	820.15	-928.44	213.43	-197.67	-12.96	0.00
1480	STL ENV_STR(all)		1519	-398.93	-47.06	-118.69	16.55	-61.57	0.00
1480	STL ENV_STR(all)		1538	-488.94	1196.34	37.57	-217.21	51.13	0.00
1480	STL ENV_STR(all)		774	453.08	46.61	90.51	-169.66	184.45	0.00
1480	STL ENV_STR(all)		738	434.79	-1195.89	-8.63	86.19	145.43	0.00
1481	STL ENV_STR(all)		1521	915.39	781.04	57.46	-82.43	-169.08	0.00
1481	STL ENV_STR(all)		1540	260.64	-760.78	-22.67	235.41	342.70	0.00
1481	STL ENV_STR(all)		784	-1008.49	-885.61	22.70	100.20	82.68	0.00
1481	STL ENV_STR(all)		752	-167.54	865.34	-56.74	-131.14	-259.41	0.00
1482	STL ENV_STR(all)		1523	616.37	1349.55	37.89	-85.82	-148.31	0.00
1482	STL ENV_STR(all)		1542	488.05	-194.72	-56.65	72.76	171.05	0.00
1482	STL ENV_STR(all)		788	-565.34	-1351.36	-23.14	61.79	17.05	0.00
1482	STL ENV_STR(all)		754	-539.07	196.53	42.66	-114.21	-240.94	0.00
1483	STL ENV_STR(all)		1525	-192.80	-270.72	11.84	-104.34	28.92	0.00
1483	STL ENV_STR(all)		1544	-599.49	830.06	48.73	98.07	149.70	0.00
1483	STL ENV_STR(all)		771	256.30	279.06	35.56	163.69	96.53	0.00
1483	STL ENV_STR(all)		737	535.99	-838.40	-95.38	55.09	-63.98	0.00
1484	STL ENV_STR(all)		1527	-408.26	348.10	28.67	86.27	-86.41	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1484	STL ENV_STR(all)		1546	-385.30	1482.19	-29.33	-45.98	-60.34	0.00
1484	STL ENV_STR(all)		775	450.47	-371.38	-31.77	-58.54	20.57	0.00
1484	STL ENV_STR(all)		741	343.09	-1458.91	33.19	16.10	-26.86	0.00
1485	STL ENV_STR(all)		1529	759.05	950.76	34.14	94.95	-214.27	0.00
1485	STL ENV_STR(all)		1548	240.92	-424.85	-17.95	-19.52	70.94	0.00
1485	STL ENV_STR(all)		785	-675.57	-975.05	-69.90	-37.22	138.97	0.00
1485	STL ENV_STR(all)		753	-324.40	449.14	54.47	18.72	-217.58	0.00
1486	STL ENV_STR(all)		1531	531.24	1754.31	-37.11	-111.04	76.81	0.00
1486	STL ENV_STR(all)		1550	529.58	208.80	18.47	27.08	58.23	0.00
1486	STL ENV_STR(all)		789	-458.42	-1693.73	49.71	58.47	-9.91	0.00
1486	STL ENV_STR(all)		755	-602.40	-269.38	-30.31	-39.12	43.23	0.00
1487	STL ENV_STR(all)		1533	413.66	356.02	425.81	-286.85	-280.84	0.00
1487	STL ENV_STR(all)		1552	48.93	-289.50	-247.60	-855.51	-987.81	0.00
1487	STL ENV_STR(all)		939	-234.03	-358.60	-450.05	792.34	-448.14	0.00
1487	STL ENV_STR(all)		763	-228.56	292.08	272.60	974.18	-30.46	0.00
1488	STL ENV_STR(all)		1535	257.78	-309.79	-184.78	-26.60	-321.79	0.00
1488	STL ENV_STR(all)		1512	-867.99	508.96	146.58	78.88	792.00	0.00
1488	STL ENV_STR(all)		2	-146.09	345.51	186.13	-79.44	796.28	0.00
1488	STL ENV_STR(all)		767	756.30	-544.68	-147.17	-106.90	-433.64	0.00
1489	STL ENV_STR(all)		1537	-4.72	-746.24	-36.58	219.65	-333.04	0.00
1489	STL ENV_STR(all)		1520	-962.75	486.52	178.42	100.87	516.66	0.00
1489	STL ENV_STR(all)		43	-188.85	867.98	24.36	40.14	497.95	0.00
1489	STL ENV_STR(all)		769	1156.33	-608.25	-165.43	134.47	-173.44	0.00
1490	STL ENV_STR(all)		1539	-585.46	-343.30	-13.20	98.10	-217.19	0.00
1490	STL ENV_STR(all)		1522	-735.79	1517.05	64.54	54.02	245.71	0.00
1490	STL ENV_STR(all)		45	640.23	332.57	-28.42	-10.56	204.93	0.00
1490	STL ENV_STR(all)		773	681.02	-1506.32	-22.17	38.21	-142.90	0.00
1491	STL ENV_STR(all)		1541	645.89	872.59	-174.83	-597.67	51.75	0.00
1491	STL ENV_STR(all)		1553	522.34	-816.99	-491.52	6.91	77.18	0.00
1491	STL ENV_STR(all)		940	-661.06	-818.95	397.96	-700.43	-141.91	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1491	STL ENV_STR(all)		783	-507.17	763.35	269.14	-1040.20	-221.32	0.00
1492	STL ENV_STR(all)		1543	362.78	1038.01	35.57	-365.45	106.93	0.00
1492	STL ENV_STR(all)		1554	311.05	81.47	-223.06	-85.73	-186.39	0.00
1492	STL ENV_STR(all)		942	-317.59	-1024.80	47.09	19.67	-307.76	0.00
1492	STL ENV_STR(all)		787	-356.24	-94.68	141.16	-225.86	-53.37	0.00
1493	STL ENV_STR(all)		1545	-293.62	-631.21	-87.31	81.57	-183.68	0.00
1493	STL ENV_STR(all)		1528	-953.24	1070.32	105.53	127.50	433.51	0.00
1493	STL ENV_STR(all)		3	407.88	675.25	69.25	-58.95	420.13	0.00
1493	STL ENV_STR(all)		772	838.99	-1114.36	-86.72	-86.75	-232.64	0.00
1494	STL ENV_STR(all)		1547	-615.05	142.17	-28.74	-90.21	1.77	0.00
1494	STL ENV_STR(all)		1530	-647.09	1888.76	-62.96	-167.93	-56.50	0.00
1494	STL ENV_STR(all)		4	711.00	-121.98	51.06	-68.45	-44.47	0.00
1494	STL ENV_STR(all)		776	551.15	-1908.96	41.39	6.71	70.00	0.00
1495	STL ENV_STR(all)		1549	444.67	699.68	191.00	109.93	-106.28	0.00
1495	STL ENV_STR(all)		1555	158.20	-140.95	7.89	-133.67	-342.51	0.00
1495	STL ENV_STR(all)		941	-411.15	-703.00	-245.18	307.08	-131.63	0.00
1495	STL ENV_STR(all)		786	-191.72	144.27	47.04	413.32	-15.09	0.00
1496	STL ENV_STR(all)		1551	269.89	1285.67	-16.08	30.07	19.19	0.00
1496	STL ENV_STR(all)		1556	299.06	460.52	22.98	121.66	73.74	0.00
1496	STL ENV_STR(all)		943	-245.38	-1256.91	9.51	-43.45	37.84	0.00
1496	STL ENV_STR(all)		790	-323.57	-489.28	-15.65	-84.30	-50.89	0.00
1497	STL ENV_STR(all)		1552	217.38	330.57	936.97	-211.19	425.61	0.00
1497	STL ENV_STR(all)		1557	153.46	74.24	167.59	-348.17	-1977.86	0.00
1497	STL ENV_STR(all)		969	102.12	-593.98	-1629.09	2315.69	-2507.38	0.00
1497	STL ENV_STR(all)		939	-472.96	189.17	525.29	2111.00	403.44	0.00
1498	STL ENV_STR(all)		1553	652.10	628.36	-428.59	-494.96	366.80	0.00
1498	STL ENV_STR(all)		1558	246.17	-621.36	-316.35	126.83	8.73	0.00
1498	STL ENV_STR(all)		970	-502.50	-636.62	414.31	-932.21	-83.36	0.00
1498	STL ENV_STR(all)		940	-395.77	629.62	331.39	-1307.22	-47.08	0.00
1499	STL ENV_STR(all)		1554	244.18	868.50	-97.94	-321.65	363.99	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1499	STL ENV_STR(all)		1559	225.61	189.86	-79.80	-53.65	-250.74	0.00
1499	STL ENV_STR(all)		972	-205.42	-847.53	81.07	-42.33	-266.56	0.00
1499	STL ENV_STR(all)		942	-264.37	-210.83	97.43	-206.53	155.97	0.00
1500	STL ENV_STR(all)		1555	323.26	605.66	513.46	208.96	198.21	0.00
1500	STL ENV_STR(all)		1560	129.32	10.85	199.84	260.61	-855.08	0.00
1500	STL ENV_STR(all)		971	-332.30	-644.52	-885.91	1085.86	-1209.58	0.00
1500	STL ENV_STR(all)		941	-120.27	28.01	173.36	941.53	149.04	0.00
1501	STL ENV_STR(all)		1556	169.67	1103.27	5.29	101.38	-18.72	0.00
1501	STL ENV_STR(all)		1561	202.59	555.30	19.70	155.48	50.02	0.00
1501	STL ENV_STR(all)		973	-160.64	-1076.35	-12.94	-76.29	41.43	0.00
1501	STL ENV_STR(all)		943	-211.62	-582.22	-11.29	-93.45	-56.99	0.00
1502	STL ENV_STR(all)		1562	74.24	-151.49	-150.20	-879.72	793.51	0.00
1502	STL ENV_STR(all)		1563	-245.98	140.67	356.06	-591.27	112.88	0.00
1502	STL ENV_STR(all)		981	-180.34	100.32	182.39	1132.85	40.72	0.00
1502	STL ENV_STR(all)		982	352.08	-89.50	-387.49	1057.47	399.13	0.00
1503	STL ENV_STR(all)		1564	212.99	397.32	-531.38	-243.63	-8.29	0.00
1503	STL ENV_STR(all)		1565	218.42	-165.28	-229.08	-490.16	151.79	0.00
1503	STL ENV_STR(all)		983	-160.20	-438.75	345.55	-959.25	150.73	0.00
1503	STL ENV_STR(all)		984	-271.21	206.71	415.66	-970.30	-3.32	0.00
1504	STL ENV_STR(all)		1566	20.08	528.58	-215.03	-121.43	200.08	0.00
1504	STL ENV_STR(all)		1567	66.83	386.90	29.03	-349.46	-99.77	0.00
1504	STL ENV_STR(all)		987	1.23	-508.50	132.36	-184.65	20.39	0.00
1504	STL ENV_STR(all)		988	-88.15	-406.98	54.39	2.66	281.88	0.00
1505	STL ENV_STR(all)		1568	34.11	334.74	-2.44	-108.87	382.54	0.00
1505	STL ENV_STR(all)		1569	45.68	225.02	237.88	251.54	196.86	0.00
1505	STL ENV_STR(all)		986	-5.03	-336.67	42.37	435.07	29.74	0.00
1505	STL ENV_STR(all)		985	-74.75	-223.09	-277.05	245.71	90.35	0.00
1506	STL ENV_STR(all)		1570	-27.88	737.16	31.12	159.70	-59.26	0.00
1506	STL ENV_STR(all)		1571	20.23	700.04	3.74	118.46	1.87	0.00
1506	STL ENV_STR(all)		990	40.03	-689.28	-28.94	-89.53	34.88	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1506	STL ENV_STR(all)		989	-32.38	-747.91	-5.16	-67.02	-41.42	0.00
1507	STL ENV_STR(all)		1557	47.42	153.19	233.43	-278.46	1825.51	0.00
1507	STL ENV_STR(all)		1562	-454.85	394.99	875.90	-388.97	-558.23	0.00
1507	STL ENV_STR(all)		982	-462.22	176.98	476.01	2125.41	-381.09	0.00
1507	STL ENV_STR(all)		969	869.65	-725.16	-1584.58	2426.48	2494.86	0.00
1508	STL ENV_STR(all)		1558	324.91	416.92	-326.96	-49.97	89.52	0.00
1508	STL ENV_STR(all)		1564	267.26	-346.76	-443.24	-357.82	-222.21	0.00
1508	STL ENV_STR(all)		984	-262.13	-482.35	365.61	-1173.44	-36.06	0.00
1508	STL ENV_STR(all)		970	-330.04	412.19	405.35	-1115.69	-25.18	0.00
1509	STL ENV_STR(all)		1559	141.45	691.80	-78.30	-81.27	266.71	0.00
1509	STL ENV_STR(all)		1566	125.23	298.08	-98.95	-300.35	-344.72	0.00
1509	STL ENV_STR(all)		988	-98.43	-671.35	94.94	-173.49	-176.61	0.00
1509	STL ENV_STR(all)		972	-168.25	-318.53	83.08	-67.62	243.90	0.00
1510	STL ENV_STR(all)		1560	128.21	462.30	176.44	226.88	914.07	0.00
1510	STL ENV_STR(all)		1568	90.24	135.01	548.22	298.71	-120.53	0.00
1510	STL ENV_STR(all)		985	-74.15	-440.54	185.50	975.01	-149.09	0.00
1510	STL ENV_STR(all)		971	-144.30	-156.77	-909.40	1035.62	1188.33	0.00
1511	STL ENV_STR(all)		1561	76.04	931.06	18.90	159.47	-39.46	0.00
1511	STL ENV_STR(all)		1570	113.33	636.25	18.02	144.08	31.08	0.00
1511	STL ENV_STR(all)		989	-73.69	-901.30	-23.43	-92.73	43.67	0.00
1511	STL ENV_STR(all)		973	-115.68	-666.01	-12.74	-81.98	-49.86	0.00
1512	STL ENV_STR(all)		1563	-68.93	-110.56	-61.57	-755.68	97.58	0.00
1512	STL ENV_STR(all)		1572	-105.11	183.61	94.73	-637.31	150.37	0.00
1512	STL ENV_STR(all)		1059	50.59	60.22	59.10	766.59	138.71	0.00
1512	STL ENV_STR(all)		981	123.45	-133.27	-91.51	741.49	-2.34	0.00
1513	STL ENV_STR(all)		1565	148.94	384.82	-248.65	-224.55	-321.40	0.00
1513	STL ENV_STR(all)		1573	183.42	-68.57	-241.12	-297.59	255.91	0.00
1513	STL ENV_STR(all)		1060	-114.65	-396.73	187.93	-560.67	134.50	0.00
1513	STL ENV_STR(all)		983	-217.71	80.48	302.60	-633.12	-202.51	0.00
1514	STL ENV_STR(all)		1567	-45.61	402.97	-102.12	-23.95	-33.48	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1514	STL ENV_STR(all)		1574	4.84	426.98	24.53	-204.78	19.28	0.00
1514	STL ENV_STR(all)		1062	60.39	-369.85	70.22	-125.62	116.38	0.00
1514	STL ENV_STR(all)		987	-19.63	-460.10	8.13	81.41	133.69	0.00
1515	STL ENV_STR(all)		1569	-38.18	257.91	24.55	-28.75	55.73	0.00
1515	STL ENV_STR(all)		1575	7.12	301.47	104.14	282.14	231.91	0.00
1515	STL ENV_STR(all)		1061	50.19	-257.99	1.11	197.36	93.87	0.00
1515	STL ENV_STR(all)		986	-19.13	-301.40	-129.04	-1.11	-119.37	0.00
1516	STL ENV_STR(all)		1571	-122.10	507.86	37.35	140.78	-66.75	0.00
1516	STL ENV_STR(all)		1576	-83.62	704.65	-9.16	76.28	-18.28	0.00
1516	STL ENV_STR(all)		1063	141.15	-416.62	-28.60	-73.22	18.93	0.00
1516	STL ENV_STR(all)		990	64.58	-795.89	1.16	-45.61	-29.10	0.00
1517	STL ENV_STR(all)		1577	105.55	184.08	94.71	-638.61	-149.74	0.00
1517	STL ENV_STR(all)		1578	69.37	-111.33	-61.17	-755.34	-96.70	0.00
1517	STL ENV_STR(all)		1090	-123.92	-133.73	-91.59	743.30	2.11	0.00
1517	STL ENV_STR(all)		1091	-51.00	60.99	58.81	767.05	-139.24	0.00
1518	STL ENV_STR(all)		1579	-183.12	-68.76	-240.91	-299.68	-255.53	0.00
1518	STL ENV_STR(all)		1580	-149.03	384.37	-249.03	-225.01	321.51	0.00
1518	STL ENV_STR(all)		1092	217.28	80.63	302.22	-630.88	201.00	0.00
1518	STL ENV_STR(all)		1093	114.87	-396.24	188.48	-560.94	-135.39	0.00
1519	STL ENV_STR(all)		1581	-3.48	427.51	25.04	-204.62	-17.35	0.00
1519	STL ENV_STR(all)		1582	46.04	401.24	-100.40	-24.64	31.95	0.00
1519	STL ENV_STR(all)		1096	17.93	-460.89	7.32	85.11	-134.26	0.00
1519	STL ENV_STR(all)		1097	-60.49	-367.87	68.80	-120.93	-113.95	0.00
1520	STL ENV_STR(all)		1583	-6.52	301.80	103.75	282.33	-230.01	0.00
1520	STL ENV_STR(all)		1584	38.70	256.85	25.07	-24.69	-54.07	0.00
1520	STL ENV_STR(all)		1095	18.62	-301.91	-128.45	-1.61	118.65	0.00
1520	STL ENV_STR(all)		1094	-50.81	-256.74	0.39	194.04	-93.93	0.00
1521	STL ENV_STR(all)		1585	84.14	701.61	-12.52	65.26	18.19	0.00
1521	STL ENV_STR(all)		1586	119.59	508.25	33.87	130.63	67.44	0.00
1521	STL ENV_STR(all)		1099	-64.93	-793.48	5.74	-46.35	31.92	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1521	STL ENV_STR(all)		1098	-138.79	-416.39	-26.33	-75.32	-19.62	0.00
1522	STL ENV_STR(all)		1587	455.47	395.65	876.30	-389.73	559.07	0.00
1522	STL ENV_STR(all)		1588	-46.96	152.33	233.81	-277.69	-1825.50	0.00
1522	STL ENV_STR(all)		1112	-870.61	-725.81	-1585.28	2428.58	-2496.21	0.00
1522	STL ENV_STR(all)		1113	462.10	177.83	475.93	2126.05	380.77	0.00
1523	STL ENV_STR(all)		1589	-266.68	-346.42	-442.83	-360.22	223.54	0.00
1523	STL ENV_STR(all)		1590	-324.85	416.41	-326.80	-50.96	-90.11	0.00
1523	STL ENV_STR(all)		1114	329.20	411.80	404.84	-1112.30	23.68	0.00
1523	STL ENV_STR(all)		1115	262.33	-481.78	365.55	-1171.44	35.94	0.00
1524	STL ENV_STR(all)		1591	-123.79	299.46	-97.42	-299.13	343.30	0.00
1524	STL ENV_STR(all)		1592	-141.05	690.93	-76.66	-81.09	-264.93	0.00
1524	STL ENV_STR(all)		1118	166.78	-320.23	81.81	-62.79	-242.90	0.00
1524	STL ENV_STR(all)		1119	98.06	-670.16	93.02	-168.55	176.21	0.00
1525	STL ENV_STR(all)		1593	-90.13	135.32	543.66	298.28	118.65	0.00
1525	STL ENV_STR(all)		1594	-127.88	462.09	175.19	228.33	-903.96	0.00
1525	STL ENV_STR(all)		1117	145.05	-157.17	-901.18	1025.29	-1176.36	0.00
1525	STL ENV_STR(all)		1116	72.97	-440.23	183.09	963.99	146.32	0.00
1526	STL ENV_STR(all)		1595	-113.97	634.63	12.69	133.73	-32.27	0.00
1526	STL ENV_STR(all)		1596	-79.10	934.98	13.39	147.94	37.77	0.00
1526	STL ENV_STR(all)		1121	117.08	-664.77	-9.59	-90.38	47.86	0.00
1526	STL ENV_STR(all)		1120	75.99	-904.85	-15.73	-100.43	-44.71	0.00
1527	STL ENV_STR(all)		1578	246.53	141.23	356.27	-592.21	-112.30	0.00
1527	STL ENV_STR(all)		1587	-73.81	-152.30	-149.90	-879.23	-793.05	0.00
1527	STL ENV_STR(all)		1113	-352.76	-90.07	-387.79	1059.24	-399.65	0.00
1527	STL ENV_STR(all)		1090	180.05	101.13	182.17	1133.32	-41.24	0.00
1528	STL ENV_STR(all)		1580	-217.89	-165.23	-228.53	-492.56	-150.95	0.00
1528	STL ENV_STR(all)		1589	-213.13	396.89	-531.53	-244.26	7.88	0.00
1528	STL ENV_STR(all)		1115	270.51	206.59	414.92	-966.85	1.44	0.00
1528	STL ENV_STR(all)		1092	160.51	-438.26	345.90	-958.30	-151.52	0.00
1529	STL ENV_STR(all)		1582	-65.42	388.00	29.56	-347.81	100.58	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1529	STL ENV_STR(all)		1591	-19.44	527.06	-212.21	-121.05	-199.35	0.00
1529	STL ENV_STR(all)		1119	86.45	-408.33	52.88	6.96	-281.25	0.00
1529	STL ENV_STR(all)		1096	-1.59	-506.73	130.53	-179.25	-19.30	0.00
1530	STL ENV_STR(all)		1584	-45.28	225.45	236.23	251.94	-195.44	0.00
1530	STL ENV_STR(all)		1593	-33.59	334.08	-1.76	-104.17	-377.62	0.00
1530	STL ENV_STR(all)		1116	74.66	-223.71	-275.02	242.91	-89.07	0.00
1530	STL ENV_STR(all)		1095	4.21	-335.83	41.30	429.42	-30.58	0.00
1531	STL ENV_STR(all)		1586	-20.03	697.98	-0.59	108.11	-3.28	0.00
1531	STL ENV_STR(all)		1595	25.66	739.04	25.44	146.49	57.93	0.00
1531	STL ENV_STR(all)		1120	33.29	-746.96	-1.39	-76.58	41.06	0.00
1531	STL ENV_STR(all)		1099	-38.92	-690.05	-22.71	-91.48	-36.53	0.00
1532	STL ENV_STR(all)		1588	-153.08	74.87	167.77	-348.90	1979.25	0.00
1532	STL ENV_STR(all)		1514	-216.57	329.66	937.57	-210.32	-425.21	0.00
1532	STL ENV_STR(all)		733	472.88	188.42	525.28	2113.00	-404.21	0.00
1532	STL ENV_STR(all)		1112	-103.24	-592.95	-1629.86	2316.26	2507.82	0.00
1533	STL ENV_STR(all)		1590	-245.41	-620.86	-316.12	124.71	-7.32	0.00
1533	STL ENV_STR(all)		1516	-652.10	627.82	-428.21	-496.21	-367.47	0.00
1533	STL ENV_STR(all)		735	394.82	629.11	331.18	-1303.97	46.19	0.00
1533	STL ENV_STR(all)		1114	502.69	-636.06	413.90	-929.91	83.96	0.00
1534	STL ENV_STR(all)		1592	-224.74	191.42	-78.69	-54.62	250.15	0.00
1534	STL ENV_STR(all)		1518	-243.55	868.17	-96.03	-318.90	-360.79	0.00
1534	STL ENV_STR(all)		739	263.35	-212.61	96.33	-201.03	-155.27	0.00
1534	STL ENV_STR(all)		1118	204.93	-846.98	79.14	-38.97	265.30	0.00
1535	STL ENV_STR(all)		1594	-128.69	11.29	198.61	260.21	846.13	0.00
1535	STL ENV_STR(all)		1524	-323.83	605.92	508.78	210.10	-195.10	0.00
1535	STL ENV_STR(all)		736	118.91	27.69	171.04	932.27	-147.46	0.00
1535	STL ENV_STR(all)		1117	333.62	-644.89	-877.67	1073.71	1196.31	0.00
1536	STL ENV_STR(all)		1596	-204.17	553.04	15.85	147.87	-50.03	0.00
1536	STL ENV_STR(all)		1526	-173.48	1108.63	1.84	92.47	17.47	0.00
1536	STL ENV_STR(all)		740	213.43	-580.02	-8.31	-98.44	56.24	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1536	STL ENV_STR(all)		1121	164.22	-1081.65	-8.61	-80.37	-40.61	0.00
1537	STL ENV_STR(all)		1572	-282.46	-112.82	154.14	-710.71	-145.05	0.00
1537	STL ENV_STR(all)		1597	-44.65	342.23	-34.25	-818.58	-283.51	0.00
1537	STL ENV_STR(all)		1230	348.96	39.23	-149.82	951.53	-13.79	0.00
1537	STL ENV_STR(all)		1059	-21.85	-268.64	30.84	996.43	-109.70	0.00
1538	STL ENV_STR(all)		1573	96.57	368.98	-146.50	-450.58	-245.26	0.00
1538	STL ENV_STR(all)		1598	165.63	103.65	-400.05	-323.85	50.77	0.00
1538	STL ENV_STR(all)		1231	-77.47	-409.55	212.79	-495.00	-94.07	0.00
1538	STL ENV_STR(all)		1060	-184.73	-63.08	334.67	-645.69	-274.18	0.00
1539	STL ENV_STR(all)		1574	-99.12	353.38	-38.86	24.25	-103.20	0.00
1539	STL ENV_STR(all)		1599	-61.89	491.55	14.57	-76.71	55.16	0.00
1539	STL ENV_STR(all)		1233	106.62	-303.66	22.55	-92.62	131.18	0.00
1539	STL ENV_STR(all)		1062	54.39	-541.26	2.65	58.85	26.87	0.00
1540	STL ENV_STR(all)		1575	-93.24	260.06	52.89	103.51	-22.59	0.00
1540	STL ENV_STR(all)		1600	-31.40	400.05	58.00	313.95	215.67	0.00
1540	STL ENV_STR(all)		1232	93.68	-254.63	-28.05	55.50	88.73	0.00
1540	STL ENV_STR(all)		1061	30.96	-405.48	-81.93	-86.06	-193.32	0.00
1541	STL ENV_STR(all)		1576	-186.83	362.26	30.23	108.24	-64.30	0.00
1541	STL ENV_STR(all)		1601	-205.22	681.81	-13.73	39.74	-32.08	0.00
1541	STL ENV_STR(all)		1234	180.18	-224.42	-24.18	-57.12	5.62	0.00
1541	STL ENV_STR(all)		1063	211.86	-819.65	8.58	-33.82	-24.02	0.00
1542	STL ENV_STR(all)		1597	-576.52	-494.59	535.45	-539.43	118.00	0.00
1542	STL ENV_STR(all)		1602	-212.20	50.29	171.71	-486.25	-1056.44	0.00
1542	STL ENV_STR(all)		1237	974.86	869.27	-928.53	1850.63	-1357.13	0.00
1542	STL ENV_STR(all)		1230	-186.14	-424.96	222.28	1645.53	27.98	0.00
1543	STL ENV_STR(all)		1598	28.57	416.58	-236.62	-516.37	112.74	0.00
1543	STL ENV_STR(all)		1603	169.77	265.96	-274.29	-215.15	-55.63	0.00
1543	STL ENV_STR(all)		1238	-25.49	-497.41	220.23	-428.73	-132.78	0.00
1543	STL ENV_STR(all)		1231	-172.84	-185.14	291.58	-630.77	-87.43	0.00
1544	STL ENV_STR(all)		1599	-114.14	237.20	-2.60	67.51	-99.33	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1544	STL ENV_STR(all)		1604	-94.62	431.11	10.34	19.07	48.41	0.00
1544	STL ENV_STR(all)		1240	111.50	-187.53	-6.69	-74.14	87.55	0.00
1544	STL ENV_STR(all)		1233	97.27	-480.78	-0.15	13.54	-26.92	0.00
1545	STL ENV_STR(all)		1600	-105.32	228.91	42.68	136.77	-55.37	0.00
1545	STL ENV_STR(all)		1605	-56.09	407.06	21.66	296.78	153.00	0.00
1545	STL ENV_STR(all)		1239	99.95	-218.73	-29.73	-48.26	58.91	0.00
1545	STL ENV_STR(all)		1232	61.47	-417.24	-33.71	-161.61	-182.12	0.00
1546	STL ENV_STR(all)		1601	-129.85	149.56	15.82	48.53	-37.28	0.00
1546	STL ENV_STR(all)		1606	-234.78	446.55	-13.45	0.30	-30.84	0.00
1546	STL ENV_STR(all)		1241	37.21	-21.15	-10.73	-31.38	-4.19	0.00
1546	STL ENV_STR(all)		1234	327.42	-574.96	9.27	-10.17	-1.25	0.00
1547	STL ENV_STR(all)		1602	46.25	-318.30	203.69	-482.27	1038.38	0.00
1547	STL ENV_STR(all)		1607	-59.23	-25.23	512.85	-543.63	-197.22	0.00
1547	STL ENV_STR(all)		1244	-270.35	41.10	184.09	1657.94	-111.11	0.00
1547	STL ENV_STR(all)		1237	283.33	302.43	-899.73	1872.82	1359.40	0.00
1548	STL ENV_STR(all)		1603	11.52	592.13	-217.92	-322.87	90.69	0.00
1548	STL ENV_STR(all)		1608	346.02	135.06	-284.97	-519.46	-175.87	0.00
1548	STL ENV_STR(all)		1245	-81.71	-552.18	234.74	-454.71	-100.22	0.00
1548	STL ENV_STR(all)		1238	-275.83	-175.02	269.06	-466.17	34.15	0.00
1549	STL ENV_STR(all)		1604	-95.52	166.07	12.35	91.74	-65.64	0.00
1549	STL ENV_STR(all)		1609	-84.26	330.91	6.57	62.12	21.07	0.00
1549	STL ENV_STR(all)		1247	87.26	-121.15	-14.28	-72.57	46.52	0.00
1549	STL ENV_STR(all)		1240	92.52	-375.83	-3.72	-16.27	-26.35	0.00
1550	STL ENV_STR(all)		1605	-84.16	223.88	28.52	168.00	-28.70	0.00
1550	STL ENV_STR(all)		1610	-65.99	396.52	18.33	282.93	105.43	0.00
1550	STL ENV_STR(all)		1246	78.72	-221.32	-27.21	-100.83	24.18	0.00
1550	STL ENV_STR(all)		1239	71.44	-399.08	-18.73	-187.85	-128.97	0.00
1551	STL ENV_STR(all)		1606	-54.29	52.16	4.41	10.77	-14.81	0.00
1551	STL ENV_STR(all)		1611	-108.02	194.25	-12.36	-23.07	-27.87	0.00
1551	STL ENV_STR(all)		1248	7.13	-4.89	-0.03	-17.85	-5.46	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1551	STL ENV_STR(all)		1241	155.18	-241.52	8.89	1.01	9.78	0.00
1552	STL ENV_STR(all)		1607	-36.83	-45.16	-16.17	-851.36	355.90	0.00
1552	STL ENV_STR(all)		1612	-40.18	-74.52	116.16	-744.73	19.59	0.00
1552	STL ENV_STR(all)		1251	-27.84	164.52	37.27	983.75	-17.66	0.00
1552	STL ENV_STR(all)		1244	104.85	-44.84	-136.36	960.30	101.42	0.00
1553	STL ENV_STR(all)		1608	205.64	531.93	-304.39	-509.84	67.27	0.00
1553	STL ENV_STR(all)		1613	122.04	95.41	-175.52	-553.09	17.80	0.00
1553	STL ENV_STR(all)		1252	-146.45	-477.70	220.14	-278.08	-34.65	0.00
1553	STL ENV_STR(all)		1245	-181.22	-149.64	260.68	-341.56	82.75	0.00
1554	STL ENV_STR(all)		1609	-46.09	143.23	22.11	115.50	-32.17	0.00
1554	STL ENV_STR(all)		1614	-33.07	193.00	20.25	104.23	-11.16	0.00
1554	STL ENV_STR(all)		1254	32.00	-100.64	-29.12	-49.71	22.62	0.00
1554	STL ENV_STR(all)		1247	47.16	-235.59	-12.34	-23.06	-7.19	0.00
1555	STL ENV_STR(all)		1610	-42.68	270.52	21.82	178.99	-0.26	0.00
1555	STL ENV_STR(all)		1615	-33.76	372.54	-4.03	257.51	35.86	0.00
1555	STL ENV_STR(all)		1253	32.10	-283.34	-11.03	-168.00	-12.08	0.00
1555	STL ENV_STR(all)		1246	44.33	-359.72	-5.85	-208.10	-70.10	0.00
1556	STL ENV_STR(all)		1611	-19.69	21.87	-1.73	-1.67	-3.61	0.00
1556	STL ENV_STR(all)		1616	-19.31	10.61	1.10	-18.95	-15.56	0.00
1556	STL ENV_STR(all)		1255	2.32	34.90	-1.20	4.05	3.29	0.00
1556	STL ENV_STR(all)		1248	36.69	-67.37	2.74	12.83	14.25	0.00
1557	STL ENV_STR(all)		1617	40.41	-75.12	116.71	-746.13	-19.07	0.00
1557	STL ENV_STR(all)		1618	37.03	-46.07	-15.99	-852.35	-356.18	0.00
1557	STL ENV_STR(all)		1259	-105.21	-44.43	-136.82	963.12	-102.08	0.00
1557	STL ENV_STR(all)		1260	27.77	165.62	37.01	985.84	17.23	0.00
1558	STL ENV_STR(all)		1619	-122.11	94.40	-175.69	-553.79	-17.16	0.00
1558	STL ENV_STR(all)		1620	-205.71	531.06	-305.20	-509.33	-66.43	0.00
1558	STL ENV_STR(all)		1261	181.31	-148.60	261.50	-342.57	-83.46	0.00
1558	STL ENV_STR(all)		1262	146.51	-476.86	220.29	-280.28	33.95	0.00
1559	STL ENV_STR(all)		1621	33.20	190.62	21.17	102.07	11.92	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1559	STL ENV_STR(all)		1622	46.20	140.91	22.49	114.19	32.18	0.00
1559	STL ENV_STR(all)		1265	-47.33	-233.55	-12.99	-18.72	6.20	0.00
1559	STL ENV_STR(all)		1266	-32.07	-97.98	-29.77	-46.02	-23.21	0.00
1560	STL ENV_STR(all)		1623	34.00	371.15	-3.00	259.03	-34.93	0.00
1560	STL ENV_STR(all)		1624	42.92	268.69	22.49	181.55	1.01	0.00
1560	STL ENV_STR(all)		1264	-44.64	-358.46	-6.50	-206.60	69.39	0.00
1560	STL ENV_STR(all)		1263	-32.27	-281.39	-12.08	-167.61	11.19	0.00
1561	STL ENV_STR(all)		1625	18.74	8.10	1.14	-22.41	15.95	0.00
1561	STL ENV_STR(all)		1626	18.87	21.11	-2.45	-4.42	3.57	0.00
1561	STL ENV_STR(all)		1268	-35.73	-64.99	3.15	14.99	-15.24	0.00
1561	STL ENV_STR(all)		1267	-1.88	35.78	-0.93	5.68	-3.57	0.00
1562	STL ENV_STR(all)		1618	60.09	-24.67	514.15	-545.24	198.40	0.00
1562	STL ENV_STR(all)		1627	-45.67	-318.94	204.42	-482.25	-1040.46	0.00
1562	STL ENV_STR(all)		1272	-284.72	301.38	-902.29	1878.18	-1363.68	0.00
1562	STL ENV_STR(all)		1259	270.30	42.23	184.63	1661.25	110.77	0.00
1563	STL ENV_STR(all)		1620	-346.02	134.09	-285.91	-521.49	176.81	0.00
1563	STL ENV_STR(all)		1628	-11.50	591.13	-218.81	-322.35	-89.97	0.00
1563	STL ENV_STR(all)		1273	275.78	-174.02	269.85	-467.43	-35.01	0.00
1563	STL ENV_STR(all)		1261	81.75	-551.19	235.78	-458.33	99.16	0.00
1564	STL ENV_STR(all)		1622	84.69	329.32	7.12	59.21	-19.99	0.00
1564	STL ENV_STR(all)		1629	95.63	164.01	12.57	90.09	64.76	0.00
1564	STL ENV_STR(all)		1275	-93.03	-374.40	-4.50	-11.97	24.59	0.00
1564	STL ENV_STR(all)		1265	-87.29	-118.93	-14.28	-69.58	-46.62	0.00
1565	STL ENV_STR(all)		1624	66.62	395.71	18.63	283.05	-104.55	0.00
1565	STL ENV_STR(all)		1630	84.59	221.95	28.92	170.34	29.47	0.00
1565	STL ENV_STR(all)		1274	-72.08	-398.38	-19.14	-186.84	128.03	0.00
1565	STL ENV_STR(all)		1264	-79.12	-219.28	-27.51	-101.81	-24.92	0.00
1566	STL ENV_STR(all)		1626	106.73	190.89	-13.22	-27.42	29.01	0.00
1566	STL ENV_STR(all)		1631	52.52	52.26	3.60	8.02	14.81	0.00
1566	STL ENV_STR(all)		1276	-153.20	-238.04	9.93	2.01	-10.35	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1566	STL ENV_STR(all)		1268	-6.05	-5.10	0.60	-17.62	5.57	0.00
1567	STL ENV_STR(all)		1627	212.44	50.85	172.19	-487.41	1060.12	0.00
1567	STL ENV_STR(all)		1632	577.10	-495.27	537.18	-539.30	-117.54	0.00
1567	STL ENV_STR(all)		1279	186.30	-425.23	222.83	1650.25	-28.57	0.00
1567	STL ENV_STR(all)		1272	-975.84	869.64	-931.29	1854.69	1360.40	0.00
1568	STL ENV_STR(all)		1628	-169.59	265.03	-274.85	-216.40	56.24	0.00
1568	STL ENV_STR(all)		1633	-28.75	415.76	-237.53	-516.76	-112.55	0.00
1568	STL ENV_STR(all)		1280	172.71	-184.31	292.12	-631.63	86.44	0.00
1568	STL ENV_STR(all)		1273	25.63	-496.48	221.16	-431.38	131.87	0.00
1569	STL ENV_STR(all)		1629	95.46	430.10	11.23	17.00	-46.92	0.00
1569	STL ENV_STR(all)		1634	114.25	235.20	-2.02	65.96	97.51	0.00
1569	STL ENV_STR(all)		1282	-98.31	-479.87	-1.35	18.13	24.78	0.00
1569	STL ENV_STR(all)		1275	-111.39	-185.43	-6.95	-69.98	-86.97	0.00
1570	STL ENV_STR(all)		1630	56.87	406.62	22.13	297.24	-151.84	0.00
1570	STL ENV_STR(all)		1635	105.85	227.12	43.08	139.55	56.05	0.00
1570	STL ENV_STR(all)		1281	-62.26	-416.97	-34.09	-160.77	180.80	0.00
1570	STL ENV_STR(all)		1274	-100.45	-216.78	-30.21	-49.29	-59.40	0.00
1571	STL ENV_STR(all)		1631	233.14	441.96	-15.46	-5.91	32.37	0.00
1571	STL ENV_STR(all)		1636	126.97	149.61	11.81	43.19	36.40	0.00
1571	STL ENV_STR(all)		1283	-324.73	-569.74	12.64	-16.17	-2.41	0.00
1571	STL ENV_STR(all)		1276	-35.38	-21.83	-8.08	-34.93	5.29	0.00
1572	STL ENV_STR(all)		1632	45.07	342.53	-34.43	-820.53	285.27	0.00
1572	STL ENV_STR(all)		1577	283.03	-113.63	154.89	-710.68	146.31	0.00
1572	STL ENV_STR(all)		1091	21.55	-268.97	30.91	999.07	109.43	0.00
1572	STL ENV_STR(all)		1279	-349.65	40.06	-150.46	952.80	13.46	0.00
1573	STL ENV_STR(all)		1633	-165.60	102.95	-400.65	-325.89	-50.17	0.00
1573	STL ENV_STR(all)		1579	-96.57	368.42	-147.02	-451.35	245.76	0.00
1573	STL ENV_STR(all)		1093	184.57	-62.55	334.88	-645.09	272.98	0.00
1573	STL ENV_STR(all)		1280	77.60	-408.82	213.70	-496.69	93.24	0.00
1574	STL ENV_STR(all)		1634	63.16	491.19	15.24	-77.93	-52.96	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1574	STL ENV_STR(all)		1581	99.42	351.41	-37.64	22.85	101.35	0.00
1574	STL ENV_STR(all)		1097	-55.98	-541.12	2.11	63.22	-27.72	0.00
1574	STL ENV_STR(all)		1282	-106.60	-301.48	21.19	-87.72	-128.66	0.00
1575	STL ENV_STR(all)		1635	32.21	399.98	58.19	314.25	-213.93	0.00
1575	STL ENV_STR(all)		1583	93.83	258.57	53.17	106.86	23.48	0.00
1575	STL ENV_STR(all)		1094	-31.76	-405.62	-81.89	-85.99	191.83	0.00
1575	STL ENV_STR(all)		1281	-94.28	-252.93	-28.55	53.40	-88.93	0.00
1576	STL ENV_STR(all)		1636	204.98	677.38	-21.08	28.13	38.66	0.00
1576	STL ENV_STR(all)		1585	183.62	362.03	28.27	99.58	70.56	0.00
1576	STL ENV_STR(all)		1098	-211.69	-815.39	22.60	-34.72	36.17	0.00
1576	STL ENV_STR(all)		1283	-176.91	-224.02	-28.88	-68.58	5.55	0.00
1577	STL ENV_STR(all)		1512	-902.90	-900.18	-0.16	-0.16	0.05	0.00
1577	STL ENV_STR(all)		2	-733.31	267.11	0.01	-0.31	-0.04	0.00
1577	STL ENV_STR(all)		1336	874.01	901.23	0.08	-0.01	0.11	0.00
1577	STL ENV_STR(all)		1637	762.21	-268.06	0.06	0.13	0.21	0.00
1578	STL ENV_STR(all)		1520	-1192.03	-930.25	-0.03	-0.01	0.01	0.00
1578	STL ENV_STR(all)		43	-750.77	574.93	0.07	0.00	-0.03	0.00
1578	STL ENV_STR(all)		1337	1021.66	812.48	-0.02	0.00	0.06	0.00
1578	STL ENV_STR(all)		1638	921.13	-457.07	-0.02	0.12	0.13	0.00
1579	STL ENV_STR(all)		1522	-1756.75	-1586.78	-0.09	0.35	-0.04	0.00
1579	STL ENV_STR(all)		45	-2486.32	1490.61	0.12	0.11	0.10	0.00
1579	STL ENV_STR(all)		1339	1801.39	1540.54	0.01	-0.28	0.31	0.00
1579	STL ENV_STR(all)		1639	2441.68	-1444.27	-0.05	-0.10	0.13	0.00
1580	STL ENV_STR(all)		1528	-2055.26	-1719.30	0.05	0.45	-0.08	0.00
1580	STL ENV_STR(all)		3	-2114.26	1306.86	0.12	0.39	0.09	0.00
1580	STL ENV_STR(all)		1338	2083.49	1671.28	-0.07	-0.25	0.20	0.00
1580	STL ENV_STR(all)		1640	2086.03	-1258.75	-0.11	-0.14	-0.00	0.00
1581	STL ENV_STR(all)		1530	-1401.30	-1376.89	0.28	1.02	0.22	0.00
1581	STL ENV_STR(all)		4	-2616.84	1369.61	0.44	1.04	0.18	0.00
1581	STL ENV_STR(all)		1340	1598.15	1501.12	-0.08	-0.33	0.40	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1581	STL ENV_STR(all)		1641	2419.99	-1493.75	-0.64	0.08	0.49	0.00
1582	STL ENV_STR(all)		1642	-713.55	-520.96	0.04	0.13	-0.10	0.00
1582	STL ENV_STR(all)		116	-757.34	514.14	0.02	-0.02	-0.07	0.00
1582	STL ENV_STR(all)		1350	731.26	536.56	-0.02	-0.05	0.10	0.00
1582	STL ENV_STR(all)		1643	739.63	-529.64	-0.05	0.10	0.08	0.00
1583	STL ENV_STR(all)		1644	-948.63	-660.49	-0.02	0.09	-0.15	0.00
1583	STL ENV_STR(all)		88	-847.29	633.50	-0.01	-0.09	-0.10	0.00
1583	STL ENV_STR(all)		1351	968.74	649.25	0.01	-0.12	0.19	0.00
1583	STL ENV_STR(all)		1645	827.18	-622.16	0.01	0.05	0.09	0.00
1584	STL ENV_STR(all)		1646	-2571.53	-1778.33	-0.02	0.13	-0.12	0.00
1584	STL ENV_STR(all)		92	-2253.94	1663.59	0.00	-0.01	0.01	0.00
1584	STL ENV_STR(all)		1353	2669.74	1782.93	0.03	-0.16	0.21	0.00
1584	STL ENV_STR(all)		1647	2155.72	-1668.09	-0.02	-0.01	0.08	0.00
1585	STL ENV_STR(all)		1648	-2439.69	-1641.89	0.02	0.10	-0.10	0.00
1585	STL ENV_STR(all)		117	-2191.21	1659.66	0.03	-0.09	-0.12	0.00
1585	STL ENV_STR(all)		1352	2490.39	1648.02	-0.02	-0.05	0.13	0.00
1585	STL ENV_STR(all)		1649	2140.51	-1665.70	-0.03	0.14	0.16	0.00
1586	STL ENV_STR(all)		1650	-2813.12	-1928.64	0.02	0.16	-0.38	0.00
1586	STL ENV_STR(all)		118	-2444.29	1848.49	-0.04	-0.15	-0.14	0.00
1586	STL ENV_STR(all)		1354	2966.82	1906.49	-0.04	-0.16	0.28	0.00
1586	STL ENV_STR(all)		1651	2290.58	-1826.23	0.06	0.05	0.02	0.00
1587	STL ENV_STR(all)		1652	-749.55	-698.55	0.03	0.11	-0.13	0.00
1587	STL ENV_STR(all)		469	-807.43	392.34	-0.02	-0.05	-0.12	0.00
1587	STL ENV_STR(all)		1402	751.78	719.72	-0.01	-0.10	0.07	0.00
1587	STL ENV_STR(all)		1653	805.20	-413.42	0.00	0.04	0.04	0.00
1588	STL ENV_STR(all)		1654	-1014.05	-804.83	-0.01	0.07	-0.10	0.00
1588	STL ENV_STR(all)		470	-936.52	650.70	-0.00	-0.10	-0.15	0.00
1588	STL ENV_STR(all)		1403	1009.32	742.49	0.00	-0.09	0.11	0.00
1588	STL ENV_STR(all)		1655	941.25	-588.26	0.01	0.09	0.14	0.00
1589	STL ENV_STR(all)		1656	-2226.08	-1751.65	0.03	0.13	-0.18	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1589	STL ENV_STR(all)		472	-2523.88	1656.53	-0.03	-0.04	-0.05	0.00
1589	STL ENV_STR(all)		1405	2321.29	1736.43	-0.00	-0.13	0.13	0.00
1589	STL ENV_STR(all)		1657	2428.68	-1641.21	0.00	0.01	0.01	0.00
1590	STL ENV_STR(all)		1658	-2322.06	-1757.09	0.01	0.15	-0.12	0.00
1590	STL ENV_STR(all)		471	-2278.22	1529.59	0.04	0.00	-0.05	0.00
1590	STL ENV_STR(all)		1404	2350.16	1756.25	-0.01	-0.11	0.17	0.00
1590	STL ENV_STR(all)		1659	2250.13	-1528.65	-0.04	0.07	0.12	0.00
1591	STL ENV_STR(all)		1660	-2246.83	-1788.96	-0.12	0.24	-0.06	0.00
1591	STL ENV_STR(all)		473	-2798.97	1771.47	0.15	-0.18	-0.13	0.00
1591	STL ENV_STR(all)		1406	2379.93	1832.97	0.03	-0.17	0.47	0.00
1591	STL ENV_STR(all)		1661	2665.88	-1815.38	-0.06	0.18	0.40	0.00
1592	STL ENV_STR(all)		1662	-684.03	-423.30	-0.00	0.06	-0.10	0.00
1592	STL ENV_STR(all)		480	-697.98	552.51	0.02	-0.09	-0.09	0.00
1592	STL ENV_STR(all)		1416	682.03	434.77	0.01	-0.07	0.15	0.00
1592	STL ENV_STR(all)		1663	699.98	-563.87	-0.02	0.13	0.12	0.00
1593	STL ENV_STR(all)		1664	-920.64	-497.58	-0.03	0.13	-0.13	0.00
1593	STL ENV_STR(all)		481	-745.63	655.05	0.04	-0.03	0.06	0.00
1593	STL ENV_STR(all)		1417	966.22	535.12	0.05	-0.10	0.29	0.00
1593	STL ENV_STR(all)		1665	700.06	-692.50	-0.06	0.02	0.09	0.00
1594	STL ENV_STR(all)		1666	-2727.82	-1643.43	0.08	0.18	-0.11	0.00
1594	STL ENV_STR(all)		483	-1730.35	1538.16	0.14	0.01	-0.12	0.00
1594	STL ENV_STR(all)		1419	2835.91	1645.65	-0.12	0.02	0.13	0.00
1594	STL ENV_STR(all)		1667	1622.26	-1540.28	-0.10	0.31	0.20	0.00
1595	STL ENV_STR(all)		1668	-2395.08	-1380.26	-0.01	0.01	-0.10	0.00
1595	STL ENV_STR(all)		482	-1931.22	1677.19	-0.00	-0.19	-0.11	0.00
1595	STL ENV_STR(all)		1418	2421.89	1412.93	0.02	-0.04	0.16	0.00
1595	STL ENV_STR(all)		1669	1904.41	-1709.76	-0.01	0.17	0.14	0.00
1596	STL ENV_STR(all)		1670	-3085.45	-1804.08	-0.04	0.13	-0.43	0.00
1596	STL ENV_STR(all)		484	-1733.57	1741.33	-0.14	-0.00	-0.09	0.00
1596	STL ENV_STR(all)		1420	3157.01	1699.97	-0.10	-0.33	0.06	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1596	STL ENV_STR(all)		1671	1662.01	-1637.12	0.27	-0.28	-0.29	0.00
1597	STL ENV_STR(all)		1637	-825.46	-802.53	-0.00	0.03	-0.14	0.00
1597	STL ENV_STR(all)		1336	-782.52	333.05	-0.06	-0.15	-0.18	0.00
1597	STL ENV_STR(all)		469	799.83	815.29	0.01	-0.10	0.06	0.00
1597	STL ENV_STR(all)		1652	808.15	-345.73	0.05	0.05	0.08	0.00
1598	STL ENV_STR(all)		1638	-1032.17	-903.67	-0.01	0.03	-0.08	0.00
1598	STL ENV_STR(all)		1337	-1042.01	687.34	-0.01	-0.12	-0.14	0.00
1598	STL ENV_STR(all)		470	1071.67	794.13	0.02	-0.08	0.08	0.00
1598	STL ENV_STR(all)		1654	1002.50	-577.71	0.01	0.11	0.15	0.00
1599	STL ENV_STR(all)		1639	-1989.17	-1683.03	0.07	0.28	-0.24	0.00
1599	STL ENV_STR(all)		1339	-2548.33	1567.04	0.03	0.08	-0.09	0.00
1599	STL ENV_STR(all)		472	2068.06	1674.30	-0.08	-0.12	0.16	0.00
1599	STL ENV_STR(all)		1656	2469.44	-1558.22	-0.02	0.01	0.01	0.00
1600	STL ENV_STR(all)		1640	-2221.16	-1741.51	0.04	0.25	-0.15	0.00
1600	STL ENV_STR(all)		1338	-2218.33	1432.36	0.05	0.13	-0.01	0.00
1600	STL ENV_STR(all)		471	2236.79	1738.62	-0.03	-0.15	0.18	0.00
1600	STL ENV_STR(all)		1658	2202.70	-1429.37	-0.06	0.01	0.06	0.00
1601	STL ENV_STR(all)		1641	-2047.69	-1677.91	-0.32	0.12	0.35	0.00
1601	STL ENV_STR(all)		1340	-2736.19	1675.38	0.33	0.05	0.08	0.00
1601	STL ENV_STR(all)		473	2067.03	1742.13	0.14	-0.24	0.57	0.00
1601	STL ENV_STR(all)		1660	2716.85	-1739.50	-0.15	0.09	0.70	0.00
1602	STL ENV_STR(all)		1643	-708.10	-459.89	0.04	0.11	-0.08	0.00
1602	STL ENV_STR(all)		1350	-724.19	552.42	0.03	-0.05	-0.07	0.00
1602	STL ENV_STR(all)		480	712.42	470.75	-0.01	-0.04	0.12	0.00
1602	STL ENV_STR(all)		1662	719.87	-563.18	-0.06	0.14	0.11	0.00
1603	STL ENV_STR(all)		1645	-924.11	-578.00	-0.02	0.11	-0.16	0.00
1603	STL ENV_STR(all)		1351	-781.86	634.56	0.01	-0.06	-0.03	0.00
1603	STL ENV_STR(all)		481	934.14	583.97	0.02	-0.13	0.23	0.00
1603	STL ENV_STR(all)		1664	771.83	-640.42	-0.01	0.02	0.06	0.00
1604	STL ENV_STR(all)		1647	-2681.43	-1740.07	-0.02	0.17	-0.10	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1604	STL ENV_STR(all)		1353	-2035.84	1614.11	0.03	-0.00	0.02	0.00
1604	STL ENV_STR(all)		483	2792.03	1754.94	0.05	-0.19	0.24	0.00
1604	STL ENV_STR(all)		1666	1925.24	-1628.88	-0.07	0.04	0.17	0.00
1605	STL ENV_STR(all)		1649	-2453.32	-1529.07	0.01	0.06	-0.10	0.00
1605	STL ENV_STR(all)		1352	-2078.88	1690.67	0.02	-0.13	-0.14	0.00
1605	STL ENV_STR(all)		482	2492.30	1546.51	-0.01	-0.02	0.15	0.00
1605	STL ENV_STR(all)		1668	2039.90	-1708.01	-0.03	0.17	0.16	0.00
1606	STL ENV_STR(all)		1651	-2989.66	-1901.22	0.04	0.17	-0.34	0.00
1606	STL ENV_STR(all)		1354	-2111.06	1802.51	-0.05	-0.09	-0.06	0.00
1606	STL ENV_STR(all)		484	3156.38	1840.21	-0.01	-0.20	0.27	0.00
1606	STL ENV_STR(all)		1670	1944.34	-1741.41	0.02	0.05	-0.01	0.00
1607	STL ENV_STR(all)		1653	-716.85	-598.27	0.05	0.13	-0.12	0.00
1607	STL ENV_STR(all)		1402	-793.11	459.65	-0.00	-0.02	-0.09	0.00
1607	STL ENV_STR(all)		116	735.87	618.91	-0.02	-0.08	0.08	0.00
1607	STL ENV_STR(all)		1642	774.08	-480.19	-0.02	0.07	0.05	0.00
1608	STL ENV_STR(all)		1655	-969.84	-734.20	-0.01	0.08	-0.13	0.00
1608	STL ENV_STR(all)		1403	-907.80	640.37	-0.01	-0.10	-0.14	0.00
1608	STL ENV_STR(all)		88	985.56	700.75	0.01	-0.11	0.14	0.00
1608	STL ENV_STR(all)		1644	892.08	-606.82	0.01	0.07	0.12	0.00
1609	STL ENV_STR(all)		1657	-2422.77	-1781.28	0.00	0.11	-0.15	0.00
1609	STL ENV_STR(all)		1405	-2410.77	1673.13	-0.02	-0.02	-0.02	0.00
1609	STL ENV_STR(all)		92	2515.69	1779.34	0.02	-0.15	0.16	0.00
1609	STL ENV_STR(all)		1646	2317.85	-1671.10	-0.00	-0.00	0.03	0.00
1610	STL ENV_STR(all)		1659	-2387.37	-1714.10	0.01	0.13	-0.11	0.00
1610	STL ENV_STR(all)		1404	-2265.91	1603.80	0.03	-0.05	-0.09	0.00
1610	STL ENV_STR(all)		117	2434.38	1719.89	-0.01	-0.08	0.15	0.00
1610	STL ENV_STR(all)		1648	2218.90	-1609.49	-0.03	0.10	0.15	0.00
1611	STL ENV_STR(all)		1661	-2563.69	-1890.19	-0.03	0.15	-0.31	0.00
1611	STL ENV_STR(all)		1406	-2671.57	1840.50	-0.00	-0.22	-0.18	0.00
1611	STL ENV_STR(all)		118	2706.84	1898.97	-0.02	-0.17	0.33	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1611	STL ENV_STR(all)		1650	2528.42	-1849.19	0.06	0.12	0.13	0.00
1612	STL ENV_STR(all)		1663	-663.11	-387.79	0.02	0.06	-0.20	0.00
1612	STL ENV_STR(all)		1416	-648.11	525.83	-0.04	-0.09	-0.15	0.00
1612	STL ENV_STR(all)		9	721.57	410.83	-0.08	-0.09	0.00	0.00
1612	STL ENV_STR(all)		1467	589.66	-548.77	0.10	0.04	-0.06	0.00
1613	STL ENV_STR(all)		1665	-820.96	-336.32	0.01	0.13	-0.10	0.00
1613	STL ENV_STR(all)		1417	-662.08	666.28	0.05	-0.02	0.08	0.00
1613	STL ENV_STR(all)		51	662.29	393.24	-0.00	-0.06	0.16	0.00
1613	STL ENV_STR(all)		1475	820.75	-723.10	-0.06	0.09	0.03	0.00
1614	STL ENV_STR(all)		1667	-2712.59	-1502.14	0.18	-0.07	-0.24	0.00
1614	STL ENV_STR(all)		1419	-1372.70	1390.33	0.09	-0.23	-0.43	0.00
1614	STL ENV_STR(all)		52	2806.78	1526.98	-0.36	0.46	-0.19	0.00
1614	STL ENV_STR(all)		1477	1278.51	-1415.08	0.09	0.48	-0.06	0.00
1615	STL ENV_STR(all)		1669	-2245.42	-1143.46	0.00	-0.02	-0.21	0.00
1615	STL ENV_STR(all)		1418	-1731.30	1608.20	-0.05	-0.15	-0.17	0.00
1615	STL ENV_STR(all)		10	2272.09	1232.25	-0.10	-0.02	-0.04	0.00
1615	STL ENV_STR(all)		1483	1704.62	-1696.89	0.15	0.05	-0.10	0.00
1616	STL ENV_STR(all)		1671	-2817.91	-1510.81	0.92	0.46	-0.75	0.00
1616	STL ENV_STR(all)		1420	-1152.52	1529.85	0.10	0.18	-0.61	0.00
1616	STL ENV_STR(all)		11	3050.43	1305.11	-0.90	0.74	-0.59	0.00
1616	STL ENV_STR(all)		1485	920.01	-1324.05	-0.12	1.13	-0.77	0.00
1617	STL ENV_STR(all)		1415	-300.40	130.06	81.79	25.74	-54.37	0.00
1617	STL ENV_STR(all)		1672	674.64	-273.16	12.58	25.78	-17.28	0.00
1617	STL ENV_STR(all)		620	436.61	-101.15	-73.97	93.15	-28.43	0.00
1617	STL ENV_STR(all)		8	-810.85	244.32	-20.40	91.04	-53.92	0.00
1618	STL ENV_STR(all)		1672	-205.40	149.91	21.71	-10.43	33.71	0.00
1618	STL ENV_STR(all)		1673	618.66	-248.91	31.49	5.01	6.98	0.00
1618	STL ENV_STR(all)		115	248.56	-164.37	-2.97	69.99	1.66	0.00
1618	STL ENV_STR(all)		620	-661.83	263.45	-50.23	68.35	28.43	0.00
1619	STL ENV_STR(all)		1673	-147.66	195.46	0.42	-16.57	24.85	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1619	STL ENV_STR(all)		1674	561.10	-216.21	23.22	19.74	32.68	0.00
1619	STL ENV_STR(all)		623	155.17	-197.24	-3.69	34.67	-7.53	0.00
1619	STL ENV_STR(all)		115	-568.61	218.06	-19.95	21.31	-1.66	0.00
1620	STL ENV_STR(all)		1674	-126.90	199.31	-45.23	-16.87	9.04	0.00
1620	STL ENV_STR(all)		1675	522.50	-196.33	-3.05	-4.65	105.34	0.00
1620	STL ENV_STR(all)		36	126.89	-199.25	97.10	-49.31	112.97	0.00
1620	STL ENV_STR(all)		623	-522.50	196.35	-48.82	-49.68	7.53	0.00
1621	STL ENV_STR(all)		479	-90.98	192.99	12.82	10.69	-60.76	0.00
1621	STL ENV_STR(all)		1676	559.10	-287.27	-14.90	21.45	20.81	0.00
1621	STL ENV_STR(all)		1672	147.58	-180.89	-28.02	-11.82	3.99	0.00
1621	STL ENV_STR(all)		1415	-615.70	275.24	30.10	-25.60	-72.14	0.00
1622	STL ENV_STR(all)		1676	-53.70	206.73	17.06	5.78	-9.12	0.00
1622	STL ENV_STR(all)		1677	564.49	-293.82	4.98	27.68	15.99	0.00
1622	STL ENV_STR(all)		1673	106.04	-216.98	-15.77	25.18	-14.15	0.00
1622	STL ENV_STR(all)		1672	-616.82	304.14	-6.26	-3.52	-20.42	0.00
1623	STL ENV_STR(all)		1677	-40.04	220.97	-0.59	-14.23	12.91	0.00
1623	STL ENV_STR(all)		1678	531.37	-269.56	2.14	13.13	40.11	0.00
1623	STL ENV_STR(all)		1674	85.71	-221.77	14.59	18.73	5.95	0.00
1623	STL ENV_STR(all)		1673	-577.04	270.43	-16.14	-13.62	-17.69	0.00
1624	STL ENV_STR(all)		1678	-43.12	183.25	-6.73	-28.91	-10.62	0.00
1624	STL ENV_STR(all)		1679	464.95	-262.79	-6.08	-2.84	37.81	0.00
1624	STL ENV_STR(all)		1675	98.08	-159.07	5.39	21.50	18.52	0.00
1624	STL ENV_STR(all)		1674	-519.91	238.68	7.42	-21.60	-47.66	0.00
1625	STL ENV_STR(all)		1349	20.78	225.58	12.10	14.81	-54.73	0.00
1625	STL ENV_STR(all)		1680	473.77	-275.70	-6.46	19.55	37.61	0.00
1625	STL ENV_STR(all)		1676	20.91	-218.86	-10.79	-9.81	29.35	0.00
1625	STL ENV_STR(all)		479	-515.46	269.05	5.15	-10.45	-56.22	0.00
1626	STL ENV_STR(all)		1680	53.01	238.04	8.23	0.13	-27.77	0.00
1626	STL ENV_STR(all)		1681	484.35	-303.33	-8.62	15.60	24.30	0.00
1626	STL ENV_STR(all)		1677	-11.05	-234.04	-8.23	0.86	1.60	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1626	STL ENV_STR(all)		1676	-526.31	299.40	8.62	-17.42	-41.04	0.00
1627	STL ENV_STR(all)		1681	71.39	231.43	4.24	-13.19	-7.96	0.00
1627	STL ENV_STR(all)		1682	466.85	-318.09	-6.19	5.72	19.90	0.00
1627	STL ENV_STR(all)		1678	-24.83	-220.16	-1.89	17.10	-2.28	0.00
1627	STL ENV_STR(all)		1677	-513.40	306.89	3.85	-14.31	-30.50	0.00
1628	STL ENV_STR(all)		1682	81.24	196.64	-0.51	-22.35	-6.33	0.00
1628	STL ENV_STR(all)		1683	421.79	-324.40	-8.72	-12.64	13.92	0.00
1628	STL ENV_STR(all)		1679	-39.61	-178.65	2.74	13.44	4.16	0.00
1628	STL ENV_STR(all)		1678	-463.42	306.48	6.49	-1.32	-27.20	0.00
1629	STL ENV_STR(all)		109	113.43	259.35	13.55	14.09	-65.22	0.00
1629	STL ENV_STR(all)		1684	394.89	-255.49	-10.36	17.46	41.16	0.00
1629	STL ENV_STR(all)		1680	-76.14	-252.83	-11.18	-8.90	34.35	0.00
1629	STL ENV_STR(all)		1349	-432.19	249.04	7.99	-14.53	-65.06	0.00
1630	STL ENV_STR(all)		1684	149.58	271.20	9.10	-2.23	-34.57	0.00
1630	STL ENV_STR(all)		1685	412.03	-305.38	-11.55	5.58	21.22	0.00
1630	STL ENV_STR(all)		1681	-110.98	-256.23	-6.97	1.59	10.37	0.00
1630	STL ENV_STR(all)		1680	-450.63	290.48	9.41	-10.78	-44.19	0.00
1631	STL ENV_STR(all)		1685	175.80	251.96	3.95	-15.86	-15.17	0.00
1631	STL ENV_STR(all)		1686	404.21	-348.98	-12.28	-9.88	6.06	0.00
1631	STL ENV_STR(all)		1682	-135.25	-231.04	-3.02	9.19	-3.27	0.00
1631	STL ENV_STR(all)		1681	-444.77	328.13	11.35	-3.99	-26.71	0.00
1632	STL ENV_STR(all)		1686	183.15	203.57	-0.80	-25.53	-4.46	0.00
1632	STL ENV_STR(all)		1687	372.83	-373.38	-11.24	-26.77	-4.81	0.00
1632	STL ENV_STR(all)		1683	-143.13	-182.60	2.32	14.96	-3.51	0.00
1632	STL ENV_STR(all)		1682	-412.84	352.49	9.72	7.44	-10.30	0.00
1633	STL ENV_STR(all)		1401	208.38	297.88	16.55	10.88	-76.69	0.00
1633	STL ENV_STR(all)		1688	307.95	-225.68	-18.53	10.15	34.57	0.00
1633	STL ENV_STR(all)		1684	-167.60	-290.66	-13.92	-11.86	34.78	0.00
1633	STL ENV_STR(all)		109	-348.74	218.52	15.90	-13.84	-74.78	0.00
1634	STL ENV_STR(all)		1688	249.45	310.90	9.89	-5.36	-41.02	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1634	STL ENV_STR(all)		1689	336.34	-299.88	-17.58	-10.62	8.50	0.00
1634	STL ENV_STR(all)		1685	-208.91	-285.90	-7.48	0.50	10.16	0.00
1634	STL ENV_STR(all)		1684	-376.88	274.95	15.18	-3.36	-41.38	0.00
1635	STL ENV_STR(all)		1689	275.11	273.43	3.62	-22.64	-18.80	0.00
1635	STL ENV_STR(all)		1690	337.58	-371.99	-16.62	-30.56	-9.00	0.00
1635	STL ENV_STR(all)		1686	-233.77	-240.70	-2.09	11.23	-3.88	0.00
1635	STL ENV_STR(all)		1685	-378.92	339.32	15.08	9.78	-16.21	0.00
1636	STL ENV_STR(all)		1690	270.71	198.96	0.76	-34.73	-5.36	0.00
1636	STL ENV_STR(all)		1691	314.28	-414.14	-16.93	-48.08	-25.61	0.00
1636	STL ENV_STR(all)		1687	-231.40	-170.86	1.00	18.29	-12.23	0.00
1636	STL ENV_STR(all)		1686	-353.59	386.11	15.16	24.19	2.28	0.00
1637	STL ENV_STR(all)		468	327.50	338.94	11.62	5.16	-72.74	0.00
1637	STL ENV_STR(all)		1692	186.54	-181.41	-24.67	-11.07	20.36	0.00
1637	STL ENV_STR(all)		1688	-270.18	-332.61	-10.92	-15.60	32.71	0.00
1637	STL ENV_STR(all)		1401	-243.86	175.15	23.97	-10.67	-70.36	0.00
1638	STL ENV_STR(all)		1692	364.46	352.04	-0.30	-14.93	-38.74	0.00
1638	STL ENV_STR(all)		1693	234.92	-284.65	-15.77	-37.63	1.35	0.00
1638	STL ENV_STR(all)		1689	-312.16	-314.71	-3.49	2.07	14.19	0.00
1638	STL ENV_STR(all)		1688	-287.22	247.39	19.56	10.81	-26.26	0.00
1639	STL ENV_STR(all)		1693	373.89	284.48	1.65	-32.92	-19.42	0.00
1639	STL ENV_STR(all)		1694	251.68	-387.86	-16.95	-54.91	-20.83	0.00
1639	STL ENV_STR(all)		1690	-326.29	-237.71	-2.15	18.63	-5.04	0.00
1639	STL ENV_STR(all)		1689	-299.29	341.16	17.44	31.19	-3.89	0.00
1640	STL ENV_STR(all)		1694	337.63	170.88	-3.22	-49.07	2.30	0.00
1640	STL ENV_STR(all)		1695	243.92	-446.13	-17.95	-78.58	-41.64	0.00
1640	STL ENV_STR(all)		1691	-299.54	-135.42	3.17	27.87	-18.44	0.00
1640	STL ENV_STR(all)		1690	-282.00	410.74	18.00	46.65	19.40	0.00
1641	STL ENV_STR(all)		1335	510.93	367.27	-25.26	-27.79	-24.72	0.00
1641	STL ENV_STR(all)		1696	-27.70	-115.47	-11.12	-43.72	7.52	0.00
1641	STL ENV_STR(all)		1692	-408.10	-367.70	6.95	-13.80	33.77	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1641	STL ENV_STR(all)		468	-75.13	115.96	29.44	-5.03	-28.13	0.00
1642	STL ENV_STR(all)		1696	515.64	376.38	22.02	-4.76	-70.92	0.00
1642	STL ENV_STR(all)		1697	57.78	-250.27	-26.04	-51.90	-34.77	0.00
1642	STL ENV_STR(all)		1693	-430.53	-323.11	-14.01	7.34	19.43	0.00
1642	STL ENV_STR(all)		1692	-142.89	197.07	18.03	39.80	-15.39	0.00
1643	STL ENV_STR(all)		1697	455.47	254.69	35.07	-29.98	-63.36	0.00
1643	STL ENV_STR(all)		1698	122.42	-380.32	-49.03	-91.70	-79.95	0.00
1643	STL ENV_STR(all)		1694	-399.60	-197.58	-14.17	23.53	-15.01	0.00
1643	STL ENV_STR(all)		1693	-178.28	323.28	28.13	63.22	-1.36	0.00
1644	STL ENV_STR(all)		1698	348.92	99.59	17.24	-71.16	-30.31	0.00
1644	STL ENV_STR(all)		1699	165.10	-452.26	-48.73	-129.10	-100.59	0.00
1644	STL ENV_STR(all)		1695	-324.31	-61.82	-2.84	40.33	-33.16	0.00
1644	STL ENV_STR(all)		1694	-189.71	414.56	34.33	80.45	33.55	0.00
1645	STL ENV_STR(all)		1	891.73	329.57	-12.93	78.38	44.57	0.00
1645	STL ENV_STR(all)		728	-541.47	-0.52	71.60	42.23	31.92	0.00
1645	STL ENV_STR(all)		1696	-638.18	-349.56	-1.02	-1.04	60.41	0.00
1645	STL ENV_STR(all)		1335	287.92	20.57	-57.65	27.82	38.85	0.00
1646	STL ENV_STR(all)		728	664.81	296.93	4.85	76.54	-31.92	0.00
1646	STL ENV_STR(all)		761	-279.14	-139.15	27.80	-29.68	-6.81	0.00
1646	STL ENV_STR(all)		1697	-535.91	-246.36	-22.77	-14.35	47.33	0.00
1646	STL ENV_STR(all)		1696	150.24	88.65	-9.88	49.53	2.99	0.00
1647	STL ENV_STR(all)		761	439.00	133.09	-32.35	1.84	6.81	0.00
1647	STL ENV_STR(all)		762	-63.94	-298.79	22.08	-145.01	-32.71	0.00
1647	STL ENV_STR(all)		1698	-397.72	-76.16	-3.47	20.78	20.35	0.00
1647	STL ENV_STR(all)		1697	22.66	241.94	13.74	96.23	50.80	0.00
1648	STL ENV_STR(all)		762	221.81	-41.49	-57.17	-112.13	32.71	0.00
1648	STL ENV_STR(all)		938	93.56	-379.65	-8.12	-257.37	-56.18	0.00
1648	STL ENV_STR(all)		1699	-241.75	64.31	30.02	62.60	-13.00	0.00
1648	STL ENV_STR(all)		1698	-73.62	356.90	35.26	142.08	89.91	0.00
1649	STL ENV_STR(all)		1700	-524.24	-196.80	-3.41	-3.88	-107.38	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1649	STL ENV_STR(all)		1701	127.08	200.41	-46.10	-16.49	-8.88	0.00
1649	STL ENV_STR(all)		614	524.42	196.80	-49.28	-51.90	-7.23	0.00
1649	STL ENV_STR(all)		29	-127.26	-200.34	98.79	-51.30	-114.70	0.00
1650	STL ENV_STR(all)		1701	-563.03	-217.06	23.39	20.83	-33.58	0.00
1650	STL ENV_STR(all)		1702	147.35	196.65	0.19	-16.02	-24.81	0.00
1650	STL ENV_STR(all)		112	570.78	219.11	-20.06	20.35	1.99	0.00
1650	STL ENV_STR(all)		614	-155.10	-198.63	-3.52	33.85	7.23	0.00
1651	STL ENV_STR(all)		1702	-620.40	-250.08	31.59	5.56	-7.45	0.00
1651	STL ENV_STR(all)		1703	204.76	151.05	21.50	-10.20	-33.73	0.00
1651	STL ENV_STR(all)		611	663.74	264.67	-50.30	67.79	-28.31	0.00
1651	STL ENV_STR(all)		112	-248.10	-165.58	-2.78	69.48	-1.99	0.00
1652	STL ENV_STR(all)		1703	-676.11	-274.34	12.70	25.94	17.00	0.00
1652	STL ENV_STR(all)		1415	299.48	131.20	81.56	25.68	54.02	0.00
1652	STL ENV_STR(all)		8	812.29	245.56	-20.54	90.86	53.76	0.00
1652	STL ENV_STR(all)		611	-435.66	-102.35	-73.72	92.94	28.31	0.00
1653	STL ENV_STR(all)		1704	-466.24	-263.49	-6.27	-2.45	-38.81	0.00
1653	STL ENV_STR(all)		1705	43.05	183.94	-6.94	-29.07	11.06	0.00
1653	STL ENV_STR(all)		1701	521.44	239.34	7.67	-22.66	48.80	0.00
1653	STL ENV_STR(all)		1700	-98.25	-159.72	5.53	21.34	-19.00	0.00
1654	STL ENV_STR(all)		1705	-532.75	-270.40	2.05	13.61	-41.13	0.00
1654	STL ENV_STR(all)		1706	39.67	221.82	-0.89	-14.31	-12.90	0.00
1654	STL ENV_STR(all)		1702	578.57	271.33	-16.20	-14.58	18.21	0.00
1654	STL ENV_STR(all)		1701	-85.49	-222.69	15.04	18.32	-6.34	0.00
1655	STL ENV_STR(all)		1706	-565.76	-294.79	5.06	28.17	-16.63	0.00
1655	STL ENV_STR(all)		1707	53.09	207.62	16.89	5.72	8.94	0.00
1655	STL ENV_STR(all)		1703	618.19	305.14	-6.36	-4.04	20.69	0.00
1655	STL ENV_STR(all)		1702	-105.51	-217.90	-15.58	25.05	14.05	0.00
1656	STL ENV_STR(all)		1707	-560.23	-288.28	-14.76	21.73	-21.17	0.00
1656	STL ENV_STR(all)		479	90.14	193.93	12.67	10.49	60.34	0.00
1656	STL ENV_STR(all)		1415	616.93	276.27	29.92	-25.83	72.08	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1656	STL ENV_STR(all)		1703	-146.84	-181.84	-27.84	-11.71	-3.96	0.00
1657	STL ENV_STR(all)		1708	-422.81	-325.19	-8.86	-12.55	-14.57	0.00
1657	STL ENV_STR(all)		1709	-81.52	197.16	-0.62	-22.61	6.61	0.00
1657	STL ENV_STR(all)		1705	464.54	307.25	6.63	-1.73	27.97	0.00
1657	STL ENV_STR(all)		1704	39.78	-179.15	2.85	13.40	-4.48	0.00
1658	STL ENV_STR(all)		1709	-467.88	-318.91	-6.26	5.96	-20.61	0.00
1658	STL ENV_STR(all)		1710	-71.81	232.05	4.10	-13.49	8.01	0.00
1658	STL ENV_STR(all)		1706	514.53	307.72	3.90	-14.85	31.15	0.00
1658	STL ENV_STR(all)		1705	25.15	-220.79	-1.74	17.19	2.09	0.00
1659	STL ENV_STR(all)		1710	-485.33	-304.18	-8.61	15.91	-24.92	0.00
1659	STL ENV_STR(all)		1711	-53.59	238.74	8.12	-0.12	27.59	0.00
1659	STL ENV_STR(all)		1707	527.35	300.26	8.56	-17.87	41.42	0.00
1659	STL ENV_STR(all)		1706	11.56	-234.75	-8.06	0.99	-1.62	0.00
1660	STL ENV_STR(all)		1711	-474.62	-276.51	-6.39	19.85	-38.01	0.00
1660	STL ENV_STR(all)		1349	-21.49	226.33	12.03	14.55	54.40	0.00
1660	STL ENV_STR(all)		479	516.32	269.85	5.05	-10.73	56.37	0.00
1660	STL ENV_STR(all)		1707	-20.21	-219.60	-10.69	-9.57	-29.19	0.00
1661	STL ENV_STR(all)		1712	-373.67	-374.18	-11.35	-26.85	4.38	0.00
1661	STL ENV_STR(all)		1713	-183.51	203.99	-0.88	-25.89	4.60	0.00
1661	STL ENV_STR(all)		1709	413.75	353.27	9.81	7.25	10.80	0.00
1661	STL ENV_STR(all)		1708	143.43	-183.01	2.42	15.12	3.32	0.00
1662	STL ENV_STR(all)		1713	-405.04	-349.77	-12.36	-9.81	-6.55	0.00
1662	STL ENV_STR(all)		1714	-176.26	252.46	3.88	-16.22	15.18	0.00
1662	STL ENV_STR(all)		1710	445.65	328.92	11.41	-4.28	27.23	0.00
1662	STL ENV_STR(all)		1709	135.65	-231.53	-2.93	9.40	3.21	0.00
1663	STL ENV_STR(all)		1714	-412.80	-306.15	-11.57	5.78	-21.70	0.00
1663	STL ENV_STR(all)		1715	-150.14	271.77	9.06	-2.54	34.44	0.00
1663	STL ENV_STR(all)		1711	451.45	291.24	9.41	-11.09	44.63	0.00
1663	STL ENV_STR(all)		1710	111.49	-256.79	-6.90	1.85	-10.31	0.00
1664	STL ENV_STR(all)		1715	-395.60	-256.21	-10.34	17.72	-41.55	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1664	STL ENV_STR(all)		109	-114.07	260.00	13.53	13.84	65.02	0.00
1664	STL ENV_STR(all)		1349	432.92	249.73	7.95	-14.82	65.35	0.00
1664	STL ENV_STR(all)		1711	76.76	-253.46	-11.14	-8.63	-34.20	0.00
1665	STL ENV_STR(all)		1716	-315.00	-414.93	-17.04	-48.33	25.42	0.00
1665	STL ENV_STR(all)		1717	-271.11	199.31	0.72	-35.14	5.42	0.00
1665	STL ENV_STR(all)		1713	354.35	386.88	15.27	24.20	-1.96	0.00
1665	STL ENV_STR(all)		1712	231.76	-171.20	1.05	18.54	12.18	0.00
1666	STL ENV_STR(all)		1717	-338.27	-372.75	-16.71	-30.63	8.73	0.00
1666	STL ENV_STR(all)		1718	-275.57	273.85	3.59	-23.02	18.78	0.00
1666	STL ENV_STR(all)		1714	379.65	340.06	15.16	9.66	16.57	0.00
1666	STL ENV_STR(all)		1713	234.20	-241.10	-2.03	11.50	3.91	0.00
1667	STL ENV_STR(all)		1718	-336.99	-300.60	-17.64	-10.53	-8.81	0.00
1667	STL ENV_STR(all)		1719	-249.98	311.40	9.90	-5.66	40.95	0.00
1667	STL ENV_STR(all)		1715	377.56	275.64	15.21	-3.56	41.76	0.00
1667	STL ENV_STR(all)		1714	209.42	-286.37	-7.47	0.78	-10.06	0.00
1668	STL ENV_STR(all)		1719	-308.55	-226.32	-18.56	10.36	-34.89	0.00
1668	STL ENV_STR(all)		1401	-208.98	298.46	16.58	10.67	76.63	0.00
1668	STL ENV_STR(all)		109	349.35	219.14	15.92	-14.09	75.14	0.00
1668	STL ENV_STR(all)		1715	168.18	-291.20	-13.93	-11.62	-34.66	0.00
1669	STL ENV_STR(all)		1720	-244.55	-446.89	-18.07	-79.03	41.64	0.00
1669	STL ENV_STR(all)		1721	-338.02	171.16	-3.27	-49.54	-2.30	0.00
1669	STL ENV_STR(all)		1717	282.66	411.48	18.11	46.85	-19.28	0.00
1669	STL ENV_STR(all)		1716	299.92	-135.69	3.22	28.19	18.48	0.00
1670	STL ENV_STR(all)		1721	-252.29	-388.59	-17.05	-55.17	20.76	0.00
1670	STL ENV_STR(all)		1722	-374.35	284.83	1.63	-33.32	19.39	0.00
1670	STL ENV_STR(all)		1718	299.91	341.86	17.54	31.23	4.10	0.00
1670	STL ENV_STR(all)		1717	326.73	-238.04	-2.12	18.92	5.13	0.00
1671	STL ENV_STR(all)		1722	-235.49	-285.32	-15.86	-37.68	-1.49	0.00
1671	STL ENV_STR(all)		1723	-364.97	352.48	-0.27	-15.21	38.72	0.00
1671	STL ENV_STR(all)		1719	287.80	248.03	19.63	10.72	26.56	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1671	STL ENV_STR(all)		1718	312.66	-315.11	-3.49	2.32	-14.07	0.00
1672	STL ENV_STR(all)		1723	-187.06	-182.01	-24.75	-10.94	-20.59	0.00
1672	STL ENV_STR(all)		468	-328.06	339.47	11.69	5.01	72.82	0.00
1672	STL ENV_STR(all)		1401	244.39	175.70	24.03	-10.87	70.75	0.00
1672	STL ENV_STR(all)		1719	270.73	-333.10	-10.97	-15.42	-32.62	0.00
1673	STL ENV_STR(all)		1724	-165.68	-453.00	-48.90	-129.80	100.85	0.00
1673	STL ENV_STR(all)		1725	-349.29	99.82	17.23	-71.72	30.33	0.00
1673	STL ENV_STR(all)		1721	190.30	415.28	34.48	80.87	-33.61	0.00
1673	STL ENV_STR(all)		1720	324.68	-62.03	-2.81	40.71	33.27	0.00
1674	STL ENV_STR(all)		1725	-122.98	-381.02	-49.21	-92.21	80.14	0.00
1674	STL ENV_STR(all)		1726	-455.88	255.00	35.09	-30.42	63.40	0.00
1674	STL ENV_STR(all)		1722	178.84	323.95	28.27	63.46	1.39	0.00
1674	STL ENV_STR(all)		1721	400.02	-197.86	-14.15	23.85	15.15	0.00
1675	STL ENV_STR(all)		1726	-58.29	-250.90	-26.22	-52.19	34.88	0.00
1675	STL ENV_STR(all)		1727	-516.11	376.76	22.08	-5.04	71.00	0.00
1675	STL ENV_STR(all)		1723	143.40	197.67	18.17	39.85	15.56	0.00
1675	STL ENV_STR(all)		1722	431.00	-323.46	-14.03	7.55	-19.29	0.00
1676	STL ENV_STR(all)		1727	27.28	-116.01	-11.31	-43.73	-7.53	0.00
1676	STL ENV_STR(all)		1335	-511.50	367.76	-25.11	-27.88	24.97	0.00
1676	STL ENV_STR(all)		468	75.59	116.47	29.58	-5.14	28.51	0.00
1676	STL ENV_STR(all)		1723	408.63	-368.14	6.85	-13.71	-33.68	0.00
1677	STL ENV_STR(all)		730	-94.15	-380.37	-8.15	-258.39	56.41	0.00
1677	STL ENV_STR(all)		731	-222.12	-41.30	-57.35	-112.85	-32.90	0.00
1677	STL ENV_STR(all)		1725	74.19	357.60	35.38	142.76	-90.21	0.00
1677	STL ENV_STR(all)		1724	242.08	64.13	30.12	63.11	13.10	0.00
1678	STL ENV_STR(all)		731	63.37	-299.46	22.05	-145.84	32.90	0.00
1678	STL ENV_STR(all)		765	-439.32	133.36	-32.50	1.31	-6.94	0.00
1678	STL ENV_STR(all)		1726	-22.12	242.56	13.86	96.74	-51.02	0.00
1678	STL ENV_STR(all)		1725	398.08	-76.40	-3.41	21.17	-20.26	0.00
1679	STL ENV_STR(all)		765	278.63	-139.71	27.74	-30.29	6.94	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1679	STL ENV_STR(all)		766	-665.15	297.28	4.70	76.17	31.86	0.00
1679	STL ENV_STR(all)		1727	-149.77	89.16	-9.72	49.79	-3.09	0.00
1679	STL ENV_STR(all)		1726	536.29	-246.66	-22.72	-14.14	-47.26	0.00
1680	STL ENV_STR(all)		766	541.06	-0.92	71.48	41.92	-31.86	0.00
1680	STL ENV_STR(all)		1	-892.08	329.94	-12.95	78.32	-44.48	0.00
1680	STL ENV_STR(all)		1335	-287.59	20.95	-57.49	27.85	-38.67	0.00
1680	STL ENV_STR(all)		1727	638.60	-349.91	-1.05	-1.03	-60.38	0.00
1681	STL ENV_STR(all)		1728	-481.01	-192.01	-35.93	-6.50	-34.26	0.00
1681	STL ENV_STR(all)		1700	191.21	111.82	-15.42	-24.15	82.64	0.00
1681	STL ENV_STR(all)		29	645.66	178.14	67.36	-71.92	114.70	0.00
1681	STL ENV_STR(all)		1729	-355.86	-97.89	-16.02	-25.61	-33.72	0.00
1682	STL ENV_STR(all)		1730	-397.82	-260.29	-13.16	-22.45	-21.29	0.00
1682	STL ENV_STR(all)		1704	18.66	134.57	-4.18	-18.95	30.18	0.00
1682	STL ENV_STR(all)		1700	431.27	244.70	13.29	6.69	43.74	0.00
1682	STL ENV_STR(all)		1728	-52.11	-118.91	4.05	-8.42	-29.80	0.00
1683	STL ENV_STR(all)		1731	-371.00	-320.61	-9.57	-29.55	-3.45	0.00
1683	STL ENV_STR(all)		1708	-86.25	149.25	-5.33	-25.10	11.83	0.00
1683	STL ENV_STR(all)		1704	407.80	308.08	7.60	8.00	13.11	0.00
1683	STL ENV_STR(all)		1730	49.44	-136.65	7.30	9.58	-15.42	0.00
1684	STL ENV_STR(all)		1732	-330.75	-372.15	-11.88	-43.90	17.13	0.00
1684	STL ENV_STR(all)		1712	-171.91	143.79	-3.02	-30.33	3.92	0.00
1684	STL ENV_STR(all)		1708	365.62	358.95	11.78	22.53	-0.58	0.00
1684	STL ENV_STR(all)		1731	137.04	-130.52	3.13	14.50	2.12	0.00
1685	STL ENV_STR(all)		1733	-280.14	-416.72	-13.87	-65.58	36.13	0.00
1685	STL ENV_STR(all)		1716	-236.91	115.54	-4.74	-41.38	-4.18	0.00
1685	STL ENV_STR(all)		1712	313.82	401.58	13.31	38.64	-20.49	0.00
1685	STL ENV_STR(all)		1732	203.22	-100.33	5.29	21.60	11.00	0.00
1686	STL ENV_STR(all)		1734	-225.86	-450.84	-19.36	-98.25	58.88	0.00
1686	STL ENV_STR(all)		1720	-269.17	60.04	-6.77	-62.55	-10.70	0.00
1686	STL ENV_STR(all)		1716	251.99	435.08	18.56	61.52	-39.71	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1686	STL ENV_STR(all)		1733	243.03	-44.20	7.57	33.33	22.26	0.00
1687	STL ENV_STR(all)		1735	-186.44	-461.43	-31.66	-164.19	85.45	0.00
1687	STL ENV_STR(all)		1724	-234.95	-27.38	-10.25	-97.24	-8.62	0.00
1687	STL ENV_STR(all)		1720	189.04	448.89	27.64	100.86	-64.20	0.00
1687	STL ENV_STR(all)		1734	232.35	40.00	14.27	54.40	32.22	0.00
1688	STL ENV_STR(all)		1111	-223.63	-425.45	1.96	-239.31	53.58	0.00
1688	STL ENV_STR(all)		730	-56.26	-136.31	-63.77	-194.90	-56.41	0.00
1688	STL ENV_STR(all)		1724	158.55	416.25	29.03	163.93	-105.32	0.00
1688	STL ENV_STR(all)		1735	121.34	145.59	32.79	113.26	22.59	0.00
1689	STL ENV_STR(all)		1736	-322.15	-112.15	-12.04	-15.52	5.70	0.00
1689	STL ENV_STR(all)		1728	150.25	74.12	15.31	9.77	50.13	0.00
1689	STL ENV_STR(all)		1729	355.86	97.89	16.02	25.61	33.72	0.00
1689	STL ENV_STR(all)		1737	-183.96	-59.79	-19.29	-11.49	-11.72	0.00
1690	STL ENV_STR(all)		1738	-343.28	-230.69	-13.37	-30.11	2.44	0.00
1690	STL ENV_STR(all)		1730	1.20	105.38	-6.11	-11.99	33.97	0.00
1690	STL ENV_STR(all)		1728	382.86	236.79	16.57	5.16	13.93	0.00
1690	STL ENV_STR(all)		1736	-40.78	-111.42	2.91	-11.50	-24.22	0.00
1691	STL ENV_STR(all)		1739	-319.37	-293.25	-10.98	-42.86	12.97	0.00
1691	STL ENV_STR(all)		1731	-81.99	109.89	-3.63	-20.87	17.41	0.00
1691	STL ENV_STR(all)		1730	347.18	291.55	11.97	24.86	2.73	0.00
1691	STL ENV_STR(all)		1738	54.17	-108.12	2.64	2.48	-11.91	0.00
1692	STL ENV_STR(all)		1740	-287.34	-343.86	-10.05	-57.73	26.72	0.00
1692	STL ENV_STR(all)		1732	-143.63	89.80	-5.58	-30.39	4.85	0.00
1692	STL ENV_STR(all)		1731	315.94	341.25	10.08	35.91	-16.08	0.00
1692	STL ENV_STR(all)		1739	115.03	-87.12	5.55	13.08	-3.60	0.00
1693	STL ENV_STR(all)		1741	-245.45	-383.64	-12.16	-79.35	44.16	0.00
1693	STL ENV_STR(all)		1733	-183.79	46.65	-6.73	-43.41	-3.51	0.00
1693	STL ENV_STR(all)		1732	271.16	382.68	12.16	52.69	-32.98	0.00
1693	STL ENV_STR(all)		1740	158.09	-45.62	6.73	22.43	6.81	0.00
1694	STL ENV_STR(all)		1742	-204.98	-410.79	-10.09	-111.25	55.75	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1694	STL ENV_STR(all)		1734	-189.74	-19.48	-15.02	-65.12	-18.08	0.00
1694	STL ENV_STR(all)		1733	220.90	414.27	13.04	75.66	-54.89	0.00
1694	STL ENV_STR(all)		1741	173.82	16.06	12.07	36.96	13.34	0.00
1695	STL ENV_STR(all)		1743	-194.88	-419.95	-19.82	-154.30	73.77	0.00
1695	STL ENV_STR(all)		1735	-133.21	-102.13	-18.42	-116.93	-20.49	0.00
1695	STL ENV_STR(all)		1734	183.24	430.32	20.10	108.97	-73.03	0.00
1695	STL ENV_STR(all)		1742	144.85	91.83	18.14	64.89	25.11	0.00
1696	STL ENV_STR(all)		1110	-263.78	-397.56	-15.86	-240.76	53.67	0.00
1696	STL ENV_STR(all)		1111	23.52	-177.65	-38.20	-184.61	-53.58	0.00
1696	STL ENV_STR(all)		1735	198.32	417.98	17.29	167.85	-87.55	0.00
1696	STL ENV_STR(all)		1743	41.94	157.30	36.77	119.63	36.38	0.00
1697	STL ENV_STR(all)		1744	-195.92	-72.24	-11.42	-21.36	15.46	0.00
1697	STL ENV_STR(all)		1736	85.07	51.14	3.49	3.29	27.68	0.00
1697	STL ENV_STR(all)		1737	183.96	59.79	19.29	11.49	11.72	0.00
1697	STL ENV_STR(all)		1745	-73.12	-38.62	-11.37	-13.09	1.83	0.00
1698	STL ENV_STR(all)		1746	-260.79	-175.80	-7.92	-35.50	15.59	0.00
1698	STL ENV_STR(all)		1738	0.97	87.46	-0.70	-5.30	21.68	0.00
1698	STL ENV_STR(all)		1736	277.86	172.43	5.63	23.73	-9.16	0.00
1698	STL ENV_STR(all)		1744	-18.05	-84.03	2.99	-4.27	-15.75	0.00
1699	STL ENV_STR(all)		1747	-266.27	-249.78	-9.50	-50.94	24.11	0.00
1699	STL ENV_STR(all)		1739	-63.02	78.03	-3.72	-18.21	16.81	0.00
1699	STL ENV_STR(all)		1738	288.13	251.35	11.43	32.93	-12.21	0.00
1699	STL ENV_STR(all)		1746	41.16	-79.52	1.79	3.28	-9.12	0.00
1700	STL ENV_STR(all)		1748	-246.60	-298.80	-8.50	-67.37	33.90	0.00
1700	STL ENV_STR(all)		1740	-105.19	49.53	-5.57	-28.64	7.80	0.00
1700	STL ENV_STR(all)		1739	267.36	302.34	9.15	48.00	-26.18	0.00
1700	STL ENV_STR(all)		1747	84.43	-53.00	4.91	12.67	-5.99	0.00
1701	STL ENV_STR(all)		1749	-216.84	-331.75	-7.33	-87.02	43.57	0.00
1701	STL ENV_STR(all)		1741	-125.99	2.96	-9.28	-42.60	-1.70	0.00
1701	STL ENV_STR(all)		1740	234.44	339.95	8.89	63.94	-41.33	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1701	STL ENV_STR(all)		1748	108.39	-11.09	7.72	23.60	-0.73	0.00
1702	STL ENV_STR(all)		1750	-189.84	-349.02	-8.38	-111.39	53.94	0.00
1702	STL ENV_STR(all)		1742	-117.15	-57.55	-11.87	-64.81	-8.72	0.00
1702	STL ENV_STR(all)		1741	197.62	364.63	9.37	84.99	-55.80	0.00
1702	STL ENV_STR(all)		1749	109.38	42.02	10.88	39.48	5.22	0.00
1703	STL ENV_STR(all)		1751	-189.41	-353.24	4.39	-140.07	41.39	0.00
1703	STL ENV_STR(all)		1743	-68.44	-118.60	-27.85	-97.92	-35.76	0.00
1703	STL ENV_STR(all)		1742	177.28	376.50	3.82	111.16	-72.13	0.00
1703	STL ENV_STR(all)		1750	80.57	95.41	19.64	66.41	7.39	0.00
1704	STL ENV_STR(all)		1089	-282.17	-358.86	-3.15	-161.59	31.92	0.00
1704	STL ENV_STR(all)		1110	43.89	-142.94	-40.30	-197.64	-53.67	0.00
1704	STL ENV_STR(all)		1743	221.38	381.26	10.91	132.59	-74.38	0.00
1704	STL ENV_STR(all)		1751	16.90	120.61	32.54	115.53	23.86	0.00
1705	STL ENV_STR(all)		1752	-98.77	-52.89	-7.75	-23.99	16.13	0.00
1705	STL ENV_STR(all)		1744	34.04	26.18	1.70	-2.97	14.79	0.00
1705	STL ENV_STR(all)		1745	73.12	38.62	11.37	13.09	-1.83	0.00
1705	STL ENV_STR(all)		1753	-8.38	-11.84	-5.32	-1.19	3.50	0.00
1706	STL ENV_STR(all)		1754	-180.13	-143.76	-6.63	-41.80	20.81	0.00
1706	STL ENV_STR(all)		1746	-0.60	50.70	-1.61	-10.41	15.12	0.00
1706	STL ENV_STR(all)		1744	179.93	130.09	6.72	28.60	-14.51	0.00
1706	STL ENV_STR(all)		1752	0.80	-36.97	1.51	3.12	-8.57	0.00
1707	STL ENV_STR(all)		1755	-210.03	-208.19	-7.18	-57.58	28.75	0.00
1707	STL ENV_STR(all)		1747	-40.32	45.80	-2.84	-18.20	14.08	0.00
1707	STL ENV_STR(all)		1746	220.22	204.62	7.74	42.63	-21.58	0.00
1707	STL ENV_STR(all)		1754	30.12	-42.16	2.28	8.09	-8.71	0.00
1708	STL ENV_STR(all)		1756	-209.36	-254.43	-6.48	-73.33	36.39	0.00
1708	STL ENV_STR(all)		1748	-67.00	19.45	-5.31	-27.92	9.91	0.00
1708	STL ENV_STR(all)		1747	222.16	256.98	7.42	56.48	-32.20	0.00
1708	STL ENV_STR(all)		1755	54.20	-21.94	4.37	15.02	-8.33	0.00
1709	STL ENV_STR(all)		1757	-195.25	-281.14	-4.51	-88.57	41.96	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1709	STL ENV_STR(all)		1749	-76.68	-18.43	-8.07	-40.31	3.13	0.00
1709	STL ENV_STR(all)		1748	205.20	290.44	6.09	71.70	-43.08	0.00
1709	STL ENV_STR(all)		1756	66.73	9.21	6.48	25.09	-6.29	0.00
1710	STL ENV_STR(all)		1758	-181.17	-291.18	-3.12	-104.60	44.08	0.00
1710	STL ENV_STR(all)		1750	-66.01	-60.92	-10.64	-58.53	-3.76	0.00
1710	STL ENV_STR(all)		1749	184.14	308.17	4.52	87.85	-51.93	0.00
1710	STL ENV_STR(all)		1757	63.03	44.00	9.24	39.79	-2.90	0.00
1711	STL ENV_STR(all)		1759	-183.69	-289.95	7.92	-116.73	26.08	0.00
1711	STL ENV_STR(all)		1751	-36.54	-94.28	-22.45	-88.24	-23.98	0.00
1711	STL ENV_STR(all)		1750	175.28	314.54	-0.62	103.51	-57.58	0.00
1711	STL ENV_STR(all)		1758	44.94	69.76	15.16	63.57	-1.32	0.00
1712	STL ENV_STR(all)		1088	-226.83	-303.00	11.22	-82.41	22.99	0.00
1712	STL ENV_STR(all)		1089	-16.71	-83.32	-1.71	-105.84	-31.92	0.00
1712	STL ENV_STR(all)		1751	209.05	326.91	-14.48	112.78	-41.26	0.00
1712	STL ENV_STR(all)		1759	34.49	59.48	4.97	97.34	10.96	0.00
1713	STL ENV_STR(all)		1675	-190.57	111.30	-15.09	-24.03	-81.53	0.00
1713	STL ENV_STR(all)		1760	479.57	-191.54	-35.47	-7.23	33.12	0.00
1713	STL ENV_STR(all)		1761	354.66	-97.57	-16.15	-25.39	32.85	0.00
1713	STL ENV_STR(all)		36	-643.66	177.87	66.71	-69.55	-112.97	0.00
1714	STL ENV_STR(all)		1679	-18.60	134.10	-4.18	-18.90	-29.41	0.00
1714	STL ENV_STR(all)		1762	396.71	-259.62	-12.82	-22.61	20.66	0.00
1714	STL ENV_STR(all)		1760	51.92	-118.51	4.24	-7.98	29.58	0.00
1714	STL ENV_STR(all)		1675	-430.02	244.10	12.76	7.19	-42.32	0.00
1715	STL ENV_STR(all)		1683	86.06	148.84	-5.21	-24.88	-11.45	0.00
1715	STL ENV_STR(all)		1763	370.02	-319.84	-9.44	-29.49	2.93	0.00
1715	STL ENV_STR(all)		1762	-49.35	-136.26	7.13	9.64	14.91	0.00
1715	STL ENV_STR(all)		1679	-406.73	307.33	7.52	8.30	-12.56	0.00
1716	STL ENV_STR(all)		1687	171.62	143.44	-2.96	-30.00	-3.66	0.00
1716	STL ENV_STR(all)		1764	329.90	-371.36	-11.74	-43.67	-17.40	0.00
1716	STL ENV_STR(all)		1763	-136.80	-130.18	3.09	14.40	-2.32	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1716	STL ENV_STR(all)		1683	-364.72	358.17	11.62	22.56	1.04	0.00
1717	STL ENV_STR(all)		1691	236.57	115.25	-4.68	-40.96	4.31	0.00
1717	STL ENV_STR(all)		1765	279.40	-415.93	-13.75	-65.17	-36.22	0.00
1717	STL ENV_STR(all)		1764	-202.92	-100.05	5.23	21.38	-11.11	0.00
1717	STL ENV_STR(all)		1687	-313.05	400.80	13.20	38.48	20.70	0.00
1718	STL ENV_STR(all)		1695	268.83	59.81	-6.71	-62.04	10.74	0.00
1718	STL ENV_STR(all)		1766	225.20	-450.08	-19.24	-97.65	-58.80	0.00
1718	STL ENV_STR(all)		1765	-242.72	-43.97	7.51	33.00	-22.27	0.00
1718	STL ENV_STR(all)		1691	-251.31	434.31	18.44	61.17	39.74	0.00
1719	STL ENV_STR(all)		1699	234.62	-27.56	-10.22	-96.62	8.65	0.00
1719	STL ENV_STR(all)		1767	185.85	-460.68	-31.50	-163.34	-85.14	0.00
1719	STL ENV_STR(all)		1766	-232.03	40.17	14.21	53.97	-32.15	0.00
1719	STL ENV_STR(all)		1695	-188.43	448.14	27.50	100.29	64.06	0.00
1720	STL ENV_STR(all)		938	55.97	-136.46	-63.56	-194.07	56.18	0.00
1720	STL ENV_STR(all)		968	223.03	-424.70	1.97	-238.18	-53.33	0.00
1720	STL ENV_STR(all)		1767	-121.04	145.72	32.67	112.67	-22.51	0.00
1720	STL ENV_STR(all)		1699	-157.96	415.51	28.92	163.12	104.95	0.00
1721	STL ENV_STR(all)		1760	-149.76	73.90	14.97	9.58	-49.51	0.00
1721	STL ENV_STR(all)		1768	321.11	-111.80	-11.99	-15.75	-6.19	0.00
1721	STL ENV_STR(all)		1769	183.31	-59.59	-19.13	-11.59	11.25	0.00
1721	STL ENV_STR(all)		1761	-354.66	97.57	16.15	25.39	-32.85	0.00
1722	STL ENV_STR(all)		1762	-1.16	105.05	-6.08	-11.95	-33.35	0.00
1722	STL ENV_STR(all)		1770	342.26	-230.06	-13.15	-30.17	-2.80	0.00
1722	STL ENV_STR(all)		1768	40.63	-111.08	2.97	-11.32	23.90	0.00
1722	STL ENV_STR(all)		1760	-381.73	236.15	16.25	5.62	-13.19	0.00
1723	STL ENV_STR(all)		1763	81.84	109.54	-3.60	-20.71	-16.96	0.00
1723	STL ENV_STR(all)		1771	318.44	-292.52	-10.81	-42.68	-13.22	0.00
1723	STL ENV_STR(all)		1770	-54.09	-107.78	2.64	2.58	11.62	0.00
1723	STL ENV_STR(all)		1762	-346.19	290.83	11.77	24.92	-2.23	0.00
1724	STL ENV_STR(all)		1764	143.39	89.50	-5.53	-30.10	-4.57	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1724	STL ENV_STR(all)		1772	286.50	-343.09	-9.92	-57.38	-26.84	0.00
1724	STL ENV_STR(all)		1771	-114.84	-86.82	5.50	12.99	3.36	0.00
1724	STL ENV_STR(all)		1763	-315.06	340.48	9.95	35.80	16.35	0.00
1725	STL ENV_STR(all)		1765	183.52	46.40	-6.68	-43.01	3.68	0.00
1725	STL ENV_STR(all)		1773	244.70	-382.86	-12.04	-78.82	-44.13	0.00
1725	STL ENV_STR(all)		1772	-157.85	-45.37	6.68	22.22	-6.93	0.00
1725	STL ENV_STR(all)		1764	-270.37	381.91	12.04	52.39	33.09	0.00
1726	STL ENV_STR(all)		1766	189.45	-19.67	-14.95	-64.60	18.14	0.00
1726	STL ENV_STR(all)		1774	204.31	-410.02	-9.98	-110.52	-55.58	0.00
1726	STL ENV_STR(all)		1773	-173.56	16.25	12.01	36.63	-13.38	0.00
1726	STL ENV_STR(all)		1765	-220.20	413.51	12.92	75.18	54.82	0.00
1727	STL ENV_STR(all)		1767	132.93	-102.28	-18.38	-116.27	20.53	0.00
1727	STL ENV_STR(all)		1775	194.27	-419.21	-19.68	-153.36	-73.41	0.00
1727	STL ENV_STR(all)		1774	-144.58	91.98	18.08	64.44	-25.06	0.00
1727	STL ENV_STR(all)		1766	-182.62	429.58	19.98	108.28	72.80	0.00
1728	STL ENV_STR(all)		968	-23.82	-177.77	-37.97	-183.74	53.33	0.00
1728	STL ENV_STR(all)		979	263.21	-396.83	-15.87	-239.56	-53.40	0.00
1728	STL ENV_STR(all)		1775	-41.65	157.43	36.64	119.00	-36.32	0.00
1728	STL ENV_STR(all)		1767	-197.74	417.24	17.21	166.93	87.12	0.00
1729	STL ENV_STR(all)		1768	-84.77	50.96	3.47	3.35	-27.25	0.00
1729	STL ENV_STR(all)		1776	195.24	-72.01	-11.30	-21.34	-15.68	0.00
1729	STL ENV_STR(all)		1777	72.84	-38.48	-11.30	-13.04	-2.05	0.00
1729	STL ENV_STR(all)		1769	-183.31	59.59	19.13	11.59	-11.25	0.00
1730	STL ENV_STR(all)		1770	-0.94	87.17	-0.77	-5.29	-21.29	0.00
1730	STL ENV_STR(all)		1778	259.94	-175.27	-7.81	-35.41	-15.75	0.00
1730	STL ENV_STR(all)		1776	17.96	-83.74	3.04	-4.25	15.54	0.00
1730	STL ENV_STR(all)		1768	-276.96	171.91	5.54	23.72	9.54	0.00
1731	STL ENV_STR(all)		1771	62.91	77.74	-3.71	-18.07	-16.45	0.00
1731	STL ENV_STR(all)		1779	265.42	-249.11	-9.36	-50.68	-24.19	0.00
1731	STL ENV_STR(all)		1778	-41.09	-79.23	1.80	3.28	8.93	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1731	STL ENV_STR(all)		1770	-287.24	250.67	11.27	32.88	12.47	0.00
1732	STL ENV_STR(all)		1772	105.00	49.27	-5.53	-28.37	-7.53	0.00
1732	STL ENV_STR(all)		1780	245.79	-298.06	-8.38	-66.92	-33.89	0.00
1732	STL ENV_STR(all)		1779	-84.28	-52.75	4.89	12.57	5.82	0.00
1732	STL ENV_STR(all)		1771	-266.52	301.60	9.02	47.76	26.31	0.00
1733	STL ENV_STR(all)		1773	125.77	2.75	-9.23	-42.20	1.87	0.00
1733	STL ENV_STR(all)		1781	216.09	-330.98	-7.22	-86.39	-43.44	0.00
1733	STL ENV_STR(all)		1780	-108.20	-10.89	7.67	23.38	0.62	0.00
1733	STL ENV_STR(all)		1772	-233.66	339.19	8.78	63.52	41.31	0.00
1734	STL ENV_STR(all)		1774	116.91	-57.72	-11.80	-64.28	8.80	0.00
1734	STL ENV_STR(all)		1782	189.16	-348.25	-8.28	-110.57	-53.70	0.00
1734	STL ENV_STR(all)		1781	-109.16	42.17	10.82	39.14	-5.27	0.00
1734	STL ENV_STR(all)		1773	-196.91	363.86	9.26	84.40	55.64	0.00
1735	STL ENV_STR(all)		1775	68.18	-118.74	-27.82	-97.25	35.81	0.00
1735	STL ENV_STR(all)		1783	188.79	-352.48	4.52	-139.04	-40.98	0.00
1735	STL ENV_STR(all)		1782	-80.33	95.53	19.59	65.94	-7.37	0.00
1735	STL ENV_STR(all)		1774	-176.64	375.75	3.71	110.37	71.84	0.00
1736	STL ENV_STR(all)		979	-44.20	-143.07	-40.07	-196.76	53.40	0.00
1736	STL ENV_STR(all)		980	281.61	-358.11	-3.20	-160.37	-31.65	0.00
1736	STL ENV_STR(all)		1783	-16.62	120.73	32.42	114.88	-23.83	0.00
1736	STL ENV_STR(all)		1775	-220.79	380.52	10.85	131.60	73.91	0.00
1737	STL ENV_STR(all)		1776	-33.91	26.07	1.63	-2.93	-14.56	0.00
1737	STL ENV_STR(all)		1784	98.41	-52.69	-7.68	-23.94	-16.21	0.00
1737	STL ENV_STR(all)		1785	8.34	-11.79	-5.25	-1.24	-3.53	0.00
1737	STL ENV_STR(all)		1777	-72.84	38.48	11.30	13.04	2.05	0.00
1738	STL ENV_STR(all)		1778	0.62	50.50	-1.63	-10.30	-14.88	0.00
1738	STL ENV_STR(all)		1786	179.48	-143.28	-6.55	-41.63	-20.87	0.00
1738	STL ENV_STR(all)		1784	-0.81	-36.82	1.55	3.04	8.46	0.00
1738	STL ENV_STR(all)		1776	-179.29	129.67	6.63	28.52	14.70	0.00
1739	STL ENV_STR(all)		1779	40.24	45.58	-2.84	-18.03	-13.83	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1739	STL ENV_STR(all)		1787	209.28	-207.55	-7.08	-57.23	-28.73	0.00
1739	STL ENV_STR(all)		1786	-30.06	-41.98	2.28	8.00	8.58	0.00
1739	STL ENV_STR(all)		1778	-219.46	204.01	7.64	42.43	21.69	0.00
1740	STL ENV_STR(all)		1780	66.86	19.27	-5.28	-27.64	-9.69	0.00
1740	STL ENV_STR(all)		1788	208.60	-253.69	-6.37	-72.79	-36.27	0.00
1740	STL ENV_STR(all)		1787	-54.08	-21.78	4.35	14.87	8.20	0.00
1740	STL ENV_STR(all)		1779	-221.38	256.27	7.31	56.13	32.20	0.00
1741	STL ENV_STR(all)		1781	76.50	-18.58	-8.03	-39.91	-2.97	0.00
1741	STL ENV_STR(all)		1789	194.52	-280.36	-4.41	-87.86	-41.75	0.00
1741	STL ENV_STR(all)		1788	-66.58	9.33	6.45	24.85	6.19	0.00
1741	STL ENV_STR(all)		1780	-204.45	289.68	5.99	71.18	42.97	0.00
1742	STL ENV_STR(all)		1782	65.80	-61.03	-10.58	-58.01	3.83	0.00
1742	STL ENV_STR(all)		1790	180.49	-290.38	-3.04	-103.71	-43.77	0.00
1742	STL ENV_STR(all)		1789	-62.85	44.09	9.19	39.44	2.85	0.00
1742	STL ENV_STR(all)		1781	-183.44	307.39	4.43	87.16	51.68	0.00
1743	STL ENV_STR(all)		1783	36.28	-94.37	-22.42	-87.56	24.05	0.00
1743	STL ENV_STR(all)		1791	183.06	-289.13	8.05	-115.64	-25.61	0.00
1743	STL ENV_STR(all)		1790	-44.71	69.82	15.11	63.08	1.34	0.00
1743	STL ENV_STR(all)		1782	-174.63	313.76	-0.73	102.64	57.23	0.00
1744	STL ENV_STR(all)		980	16.37	-83.43	-1.48	-105.00	31.65	0.00
1744	STL ENV_STR(all)		1058	226.28	-302.16	11.14	-81.16	-22.70	0.00
1744	STL ENV_STR(all)		1791	-34.19	59.53	4.86	96.67	-10.94	0.00
1744	STL ENV_STR(all)		1783	-208.45	326.12	-14.52	111.72	40.75	0.00
1753	STL ENV_STR(all)		1792	-26.42	-13.91	4.61	12.45	-5.05	0.00
1753	STL ENV_STR(all)		1784	18.07	2.14	0.63	1.92	-5.38	0.00
1753	STL ENV_STR(all)		1785	8.34	11.79	-5.25	-1.24	3.53	0.00
1754	STL ENV_STR(all)		1793	-85.21	-95.24	8.19	40.31	-21.07	0.00
1754	STL ENV_STR(all)		1786	-20.74	-5.99	3.19	23.46	-14.83	0.00
1754	STL ENV_STR(all)		1784	79.53	87.38	-6.77	-22.82	13.14	0.00
1754	STL ENV_STR(all)		1792	26.42	13.91	-4.61	-12.45	5.05	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1755	STL ENV_STR(all)		1809	-169.98	-208.94	5.65	71.93	-34.67	0.00
1755	STL ENV_STR(all)		1787	-41.71	-14.75	2.64	30.31	-17.83	0.00
1755	STL ENV_STR(all)		1786	170.16	191.24	-7.47	-57.08	27.12	0.00
1755	STL ENV_STR(all)		1793	41.53	32.54	-0.81	-24.20	10.59	0.00
1756	STL ENV_STR(all)		1807	-193.61	-250.76	3.35	85.25	-40.87	0.00
1756	STL ENV_STR(all)		1788	-59.82	-32.82	4.38	37.53	-16.46	0.00
1756	STL ENV_STR(all)		1787	196.91	244.09	-5.37	-72.67	38.35	0.00
1756	STL ENV_STR(all)		1809	56.52	39.58	-2.35	-30.28	15.48	0.00
1757	STL ENV_STR(all)		1804	-198.49	-273.16	2.71	97.66	-43.92	0.00
1757	STL ENV_STR(all)		1789	-65.08	-57.46	6.55	48.58	-12.42	0.00
1757	STL ENV_STR(all)		1788	201.84	277.18	-4.30	-85.47	46.54	0.00
1757	STL ENV_STR(all)		1807	61.72	53.52	-4.96	-36.74	15.83	0.00
1758	STL ENV_STR(all)		1802	-195.14	-282.77	-0.98	105.86	-37.99	0.00
1758	STL ENV_STR(all)		1790	-60.92	-80.28	10.46	65.02	-2.19	0.00
1758	STL ENV_STR(all)		1789	196.76	293.73	-1.77	-97.00	51.32	0.00
1758	STL ENV_STR(all)		1804	59.30	69.40	-7.71	-48.94	14.04	0.00
1759	STL ENV_STR(all)		1799	-195.42	-290.27	-1.23	100.83	-34.32	0.00
1759	STL ENV_STR(all)		1791	-62.88	-85.52	5.48	84.09	5.43	0.00
1759	STL ENV_STR(all)		1790	196.69	300.84	1.61	-105.65	44.62	0.00
1759	STL ENV_STR(all)		1802	61.62	75.04	-5.86	-67.04	4.47	0.00
1760	STL ENV_STR(all)		1229	-188.09	-317.60	-1.01	99.75	-23.52	0.00
1760	STL ENV_STR(all)		1058	-123.98	-55.01	-0.37	80.27	22.70	0.00
1760	STL ENV_STR(all)		1791	211.75	315.12	7.42	-103.05	31.13	0.00
1760	STL ENV_STR(all)		1799	100.32	57.57	-6.04	-78.57	-10.74	0.00
1761	STL ENV_STR(all)		1236	-140.80	-312.40	-8.29	72.98	-20.40	0.00
1761	STL ENV_STR(all)		1229	-138.38	-69.35	12.38	79.76	23.52	0.00
1761	STL ENV_STR(all)		1799	172.62	302.04	1.54	-79.72	39.21	0.00
1761	STL ENV_STR(all)		1800	106.56	79.79	-5.63	-60.86	-2.00	0.00
1762	STL ENV_STR(all)		1800	-173.20	-281.27	-3.76	87.35	-31.47	0.00
1762	STL ENV_STR(all)		1799	-77.51	-69.33	5.72	57.46	5.86	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1762	STL ENV_STR(all)		1802	187.28	278.31	3.19	-89.40	42.43	0.00
1762	STL ENV_STR(all)		1803	63.43	72.37	-5.15	-48.94	8.79	0.00
1763	STL ENV_STR(all)		1803	-188.45	-275.98	-2.65	90.28	-39.58	0.00
1763	STL ENV_STR(all)		1802	-53.75	-70.59	3.66	50.58	-8.90	0.00
1763	STL ENV_STR(all)		1804	188.92	272.50	1.24	-92.50	45.47	0.00
1763	STL ENV_STR(all)		1805	53.28	74.16	-2.25	-44.53	16.77	0.00
1764	STL ENV_STR(all)		1805	-181.93	-271.27	0.24	93.18	-41.69	0.00
1764	STL ENV_STR(all)		1804	-49.74	-68.74	3.76	43.78	-15.59	0.00
1764	STL ENV_STR(all)		1807	179.25	261.87	-2.34	-88.30	43.56	0.00
1764	STL ENV_STR(all)		1795	52.42	78.22	-1.66	-37.63	17.27	0.00
1765	STL ENV_STR(all)		1243	-95.50	-283.66	-5.98	65.27	-11.36	0.00
1765	STL ENV_STR(all)		1236	-123.59	-105.00	9.69	42.91	20.40	0.00
1765	STL ENV_STR(all)		1800	137.35	287.61	7.91	-65.13	37.26	0.00
1765	STL ENV_STR(all)		1801	81.74	101.13	-11.62	-31.74	5.34	0.00
1766	STL ENV_STR(all)		1801	-170.21	-299.39	-7.07	64.89	-35.98	0.00
1766	STL ENV_STR(all)		1800	-70.71	-86.14	1.48	38.64	-3.80	0.00
1766	STL ENV_STR(all)		1803	183.20	286.97	4.19	-79.38	41.99	0.00
1766	STL ENV_STR(all)		1797	57.72	98.64	1.40	-36.28	13.66	0.00
1767	STL ENV_STR(all)		1250	-78.35	-190.54	-19.00	-5.13	0.00	0.00
1767	STL ENV_STR(all)		1243	-80.23	-111.80	1.15	20.02	11.36	0.00
1767	STL ENV_STR(all)		1801	97.27	185.57	7.68	-33.60	18.24	0.00
1767	STL ENV_STR(all)		1798	61.31	116.84	10.17	-24.29	11.28	0.00
1768	STL ENV_STR(all)		1797	-127.83	-202.81	-0.56	58.40	-27.44	0.00
1768	STL ENV_STR(all)		1803	-58.17	-83.36	3.60	38.04	-11.20	0.00
1768	STL ENV_STR(all)		1805	127.27	190.61	0.16	-57.10	28.64	0.00
1768	STL ENV_STR(all)		1796	58.73	95.61	-3.20	-30.56	15.73	0.00
1769	STL ENV_STR(all)		1794	-47.63	-72.81	5.36	26.74	-12.60	0.00
1769	STL ENV_STR(all)		1809	3.96	10.12	2.01	7.90	-5.99	0.00
1769	STL ENV_STR(all)		1793	43.67	62.70	-7.37	-16.11	10.48	0.00
1770	STL ENV_STR(all)		1796	-58.73	-95.61	3.20	30.56	-15.73	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1770	STL ENV_STR(all)		1805	1.38	6.50	1.85	8.44	-3.72	0.00
1770	STL ENV_STR(all)		1795	57.36	89.14	-5.05	-26.07	14.45	0.00
1771	STL ENV_STR(all)		1798	-61.31	-116.84	-10.17	24.29	-11.28	0.00
1771	STL ENV_STR(all)		1801	-8.80	12.69	11.01	0.44	12.40	0.00
1771	STL ENV_STR(all)		1797	70.11	104.17	-0.84	-22.12	13.78	0.00
1772	STL ENV_STR(all)		1795	-109.77	-167.36	6.71	63.70	-31.72	0.00
1772	STL ENV_STR(all)		1807	-47.36	-64.63	3.96	39.79	-18.53	0.00
1772	STL ENV_STR(all)		1809	109.50	159.24	-5.31	-49.54	25.19	0.00
1772	STL ENV_STR(all)		1794	47.63	72.81	-5.36	-26.74	12.60	0.00
1773	STL ENV_STR(all)		1810	-26.52	-13.98	-4.69	-12.49	5.03	0.00
1773	STL ENV_STR(all)		1752	18.13	2.16	-0.62	-2.01	5.50	0.00
1773	STL ENV_STR(all)		1753	8.38	11.84	5.32	1.19	-3.50	0.00
1774	STL ENV_STR(all)		1811	-85.54	-95.62	-8.33	-40.59	21.14	0.00
1774	STL ENV_STR(all)		1754	-20.81	-6.00	-3.23	-23.71	14.99	0.00
1774	STL ENV_STR(all)		1752	79.84	87.70	6.86	22.87	-13.07	0.00
1774	STL ENV_STR(all)		1810	26.52	13.98	4.69	12.49	-5.03	0.00
1775	STL ENV_STR(all)		1812	-170.65	-209.73	-5.73	-72.44	34.76	0.00
1775	STL ENV_STR(all)		1755	-41.84	-14.76	-2.65	-30.64	18.03	0.00
1775	STL ENV_STR(all)		1754	170.82	191.91	7.57	57.43	-27.08	0.00
1775	STL ENV_STR(all)		1811	41.68	32.66	0.81	24.46	-10.65	0.00
1776	STL ENV_STR(all)		1813	-194.38	-251.65	-3.41	-85.95	41.07	0.00
1776	STL ENV_STR(all)		1756	-60.01	-32.83	-4.41	-37.93	16.67	0.00
1776	STL ENV_STR(all)		1755	197.68	244.89	5.46	73.21	-38.45	0.00
1776	STL ENV_STR(all)		1812	56.71	39.67	2.36	30.63	-15.62	0.00
1777	STL ENV_STR(all)		1814	-199.27	-274.09	-2.81	-98.57	44.24	0.00
1777	STL ENV_STR(all)		1757	-65.31	-57.49	-6.60	-49.10	12.61	0.00
1777	STL ENV_STR(all)		1756	202.64	278.04	4.40	86.18	-46.76	0.00
1777	STL ENV_STR(all)		1813	61.93	53.62	5.01	37.11	-15.97	0.00
1778	STL ENV_STR(all)		1815	-195.88	-283.72	0.89	-106.97	38.39	0.00
1778	STL ENV_STR(all)		1758	-61.18	-80.35	-10.54	-65.69	2.30	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1778	STL ENV_STR(all)		1757	197.53	294.63	1.87	97.88	-51.67	0.00
1778	STL ENV_STR(all)		1814	59.53	69.52	7.78	49.41	-14.16	0.00
1779	STL ENV_STR(all)		1816	-196.10	-291.26	1.09	-102.12	34.90	0.00
1779	STL ENV_STR(all)		1759	-63.20	-85.62	-5.52	-84.93	-5.30	0.00
1779	STL ENV_STR(all)		1758	197.41	301.77	-1.50	106.72	-45.05	0.00
1779	STL ENV_STR(all)		1815	61.90	75.19	5.93	67.66	-4.50	0.00
1780	STL ENV_STR(all)		1278	-188.69	-318.63	1.06	-101.34	23.82	0.00
1780	STL ENV_STR(all)		1088	-124.37	-55.14	0.09	-81.37	-22.99	0.00
1780	STL ENV_STR(all)		1759	212.40	316.08	-7.36	104.32	-31.74	0.00
1780	STL ENV_STR(all)		1816	100.66	57.77	6.20	79.40	10.71	0.00
1781	STL ENV_STR(all)		1271	-141.35	-313.45	8.39	-74.43	20.67	0.00
1781	STL ENV_STR(all)		1278	-138.69	-69.66	-12.68	-80.88	-23.82	0.00
1781	STL ENV_STR(all)		1816	173.22	303.07	-1.51	80.97	-39.87	0.00
1781	STL ENV_STR(all)		1817	106.82	80.13	5.79	61.66	1.91	0.00
1782	STL ENV_STR(all)		1817	-173.85	-282.32	3.67	-88.66	32.04	0.00
1782	STL ENV_STR(all)		1816	-77.78	-69.58	-5.79	-58.25	-5.74	0.00
1782	STL ENV_STR(all)		1815	187.98	279.33	-3.10	90.52	-42.94	0.00
1782	STL ENV_STR(all)		1818	63.65	72.65	5.22	49.52	-8.90	0.00
1783	STL ENV_STR(all)		1818	-189.20	-277.08	2.62	-91.41	40.02	0.00
1783	STL ENV_STR(all)		1815	-53.99	-70.80	-3.72	-51.21	9.05	0.00
1783	STL ENV_STR(all)		1814	189.68	273.52	-1.18	93.49	-45.89	0.00
1783	STL ENV_STR(all)		1819	53.51	74.44	2.28	45.07	-16.96	0.00
1784	STL ENV_STR(all)		1819	-182.69	-272.40	-0.31	-94.19	42.05	0.00
1784	STL ENV_STR(all)		1814	-49.95	-68.95	-3.80	-44.33	15.80	0.00
1784	STL ENV_STR(all)		1813	180.00	262.89	2.43	89.13	-43.83	0.00
1784	STL ENV_STR(all)		1820	52.63	78.55	1.67	38.09	-17.41	0.00
1785	STL ENV_STR(all)		1258	-96.01	-284.73	6.10	-66.56	11.57	0.00
1785	STL ENV_STR(all)		1271	-123.93	-105.36	-9.96	-43.81	-20.67	0.00
1785	STL ENV_STR(all)		1817	137.97	288.68	-7.94	66.30	-37.92	0.00
1785	STL ENV_STR(all)		1821	81.98	101.49	11.80	32.36	-5.53	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1786	STL ENV_STR(all)		1821	-170.98	-300.65	7.07	-66.09	36.55	0.00
1786	STL ENV_STR(all)		1817	-70.94	-86.48	-1.52	-39.30	3.97	0.00
1786	STL ENV_STR(all)		1818	183.98	288.15	-4.15	80.55	-42.53	0.00
1786	STL ENV_STR(all)		1822	57.94	99.07	-1.39	36.86	-13.85	0.00
1787	STL ENV_STR(all)		1257	-78.81	-191.52	19.27	4.71	-0.00	0.00
1787	STL ENV_STR(all)		1258	-80.62	-112.19	-1.33	-20.55	-11.57	0.00
1787	STL ENV_STR(all)		1821	97.82	186.39	-7.77	34.29	-18.60	0.00
1787	STL ENV_STR(all)		1823	61.61	117.37	-10.16	24.73	-11.51	0.00
1788	STL ENV_STR(all)		1822	-128.37	-203.69	0.46	-59.29	27.83	0.00
1788	STL ENV_STR(all)		1818	-58.43	-83.72	-3.69	-38.66	11.41	0.00
1788	STL ENV_STR(all)		1819	127.81	191.42	-0.08	57.76	-28.93	0.00
1788	STL ENV_STR(all)		1824	58.98	96.06	3.31	30.93	-15.88	0.00
1789	STL ENV_STR(all)		1825	-47.83	-73.13	-5.48	-26.96	12.65	0.00
1789	STL ENV_STR(all)		1812	3.96	10.19	-2.04	-8.09	6.13	0.00
1789	STL ENV_STR(all)		1811	43.87	62.96	7.52	16.13	-10.50	0.00
1790	STL ENV_STR(all)		1824	-58.98	-96.06	-3.31	-30.93	15.88	0.00
1790	STL ENV_STR(all)		1819	1.36	6.55	-1.89	-8.64	3.84	0.00
1790	STL ENV_STR(all)		1820	57.62	89.53	5.20	26.27	-14.56	0.00
1791	STL ENV_STR(all)		1823	-61.61	-117.37	10.16	-24.73	11.51	0.00
1791	STL ENV_STR(all)		1821	-8.82	12.77	-11.10	-0.56	-12.42	0.00
1791	STL ENV_STR(all)		1822	70.43	104.62	0.94	22.43	-13.98	0.00
1792	STL ENV_STR(all)		1820	-110.25	-168.08	-6.88	-64.36	31.98	0.00
1792	STL ENV_STR(all)		1813	-47.56	-64.85	-4.03	-40.29	18.73	0.00
1792	STL ENV_STR(all)		1812	109.98	159.87	5.42	49.90	-25.28	0.00
1792	STL ENV_STR(all)		1825	47.83	73.13	5.48	26.96	-12.65	0.00
1793	STL ENV_STR(all)		1417	-53.00	225.07	191.83	58.22	-106.75	0.00
1793	STL ENV_STR(all)		1826	710.18	-530.33	17.56	31.29	-78.27	0.00
1793	STL ENV_STR(all)		557	116.67	-126.97	-157.51	202.58	-72.77	0.00
1793	STL ENV_STR(all)		51	-773.85	432.31	-51.88	230.96	-93.04	0.00
1794	STL ENV_STR(all)		1826	117.67	235.00	38.79	-48.15	70.00	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1794	STL ENV_STR(all)		1827	754.67	-592.38	33.54	-67.74	-46.38	0.00
1794	STL ENV_STR(all)		91	-111.73	-279.99	-9.11	135.60	-36.65	0.00
1794	STL ENV_STR(all)		557	-760.61	637.44	-63.21	160.71	72.77	0.00
1795	STL ENV_STR(all)		1827	155.26	339.22	12.26	-85.98	28.95	0.00
1795	STL ENV_STR(all)		1828	755.41	-561.33	-6.76	-113.97	-72.08	0.00
1795	STL ENV_STR(all)		560	-191.06	-349.39	-9.72	99.59	-36.24	0.00
1795	STL ENV_STR(all)		91	-719.61	571.57	4.22	113.78	36.65	0.00
1796	STL ENV_STR(all)		1828	138.44	404.63	64.21	-56.52	25.59	0.00
1796	STL ENV_STR(all)		1829	815.59	-486.47	39.44	-78.11	-154.39	0.00
1796	STL ENV_STR(all)		59	-224.61	-467.66	-125.84	194.96	-125.45	0.00
1796	STL ENV_STR(all)		560	-729.42	549.56	22.19	198.45	36.24	0.00
1797	STL ENV_STR(all)		481	104.15	342.05	6.27	-9.65	-90.50	0.00
1797	STL ENV_STR(all)		1830	705.69	-521.71	-51.79	-10.14	-27.39	0.00
1797	STL ENV_STR(all)		1826	-84.70	-288.24	-50.76	-36.14	-27.76	0.00
1797	STL ENV_STR(all)		1417	-725.14	467.97	96.28	-58.11	-112.28	0.00
1798	STL ENV_STR(all)		1830	167.16	313.32	33.23	7.80	-3.19	0.00
1798	STL ENV_STR(all)		1831	729.60	-578.90	1.05	-27.08	-67.38	0.00
1798	STL ENV_STR(all)		1827	-153.60	-317.91	-28.68	51.53	-36.42	0.00
1798	STL ENV_STR(all)		1826	-743.15	583.57	-5.59	53.01	36.03	0.00
1799	STL ENV_STR(all)		1831	167.62	328.83	30.47	-6.28	31.48	0.00
1799	STL ENV_STR(all)		1832	732.17	-553.62	20.71	-40.81	-79.82	0.00
1799	STL ENV_STR(all)		1828	-143.46	-346.22	-34.07	72.22	-41.14	0.00
1799	STL ENV_STR(all)		1827	-756.33	571.08	-17.11	102.19	53.84	0.00
1800	STL ENV_STR(all)		1832	95.93	259.95	14.84	-6.94	47.01	0.00
1800	STL ENV_STR(all)		1833	666.83	-535.81	20.69	-38.05	-72.37	0.00
1800	STL ENV_STR(all)		1829	-12.36	-227.00	-12.14	34.42	-43.26	0.00
1800	STL ENV_STR(all)		1828	-750.40	502.92	-23.38	98.27	87.63	0.00
1801	STL ENV_STR(all)		1351	179.92	380.10	1.20	-1.38	-19.84	0.00
1801	STL ENV_STR(all)		1834	696.40	-526.52	-16.39	-23.89	-25.02	0.00
1801	STL ENV_STR(all)		1830	-161.65	-349.84	-3.98	-22.82	8.15	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1801	STL ENV_STR(all)		481	-714.67	496.32	19.16	9.85	-16.01	0.00
1802	STL ENV_STR(all)		1834	210.18	345.35	6.41	12.05	-13.27	0.00
1802	STL ENV_STR(all)		1835	693.28	-573.25	-6.76	-26.34	-60.14	0.00
1802	STL ENV_STR(all)		1831	-192.26	-330.26	-22.19	-12.32	-23.50	0.00
1802	STL ENV_STR(all)		1830	-711.20	558.23	22.54	25.16	22.43	0.00
1803	STL ENV_STR(all)		1835	218.27	306.62	13.07	20.47	16.40	0.00
1803	STL ENV_STR(all)		1836	668.58	-599.48	10.93	-16.34	-59.21	0.00
1803	STL ENV_STR(all)		1832	-181.89	-287.40	-14.67	9.15	-28.40	0.00
1803	STL ENV_STR(all)		1831	-704.96	580.34	-9.33	45.68	59.40	0.00
1804	STL ENV_STR(all)		1836	212.62	238.38	9.26	12.61	33.80	0.00
1804	STL ENV_STR(all)		1837	606.73	-607.37	18.52	-5.00	-41.57	0.00
1804	STL ENV_STR(all)		1833	-173.14	-212.01	-6.91	21.65	-26.98	0.00
1804	STL ENV_STR(all)		1832	-646.21	581.07	-20.87	38.60	61.20	0.00
1805	STL ENV_STR(all)		88	237.78	396.53	-16.32	-11.69	25.52	0.00
1805	STL ENV_STR(all)		1838	674.36	-532.26	-4.00	-28.17	-35.88	0.00
1805	STL ENV_STR(all)		1834	-218.58	-379.88	9.13	-12.95	-7.25	0.00
1805	STL ENV_STR(all)		1351	-693.55	515.69	11.19	1.62	28.48	0.00
1806	STL ENV_STR(all)		1838	265.40	373.46	-5.63	12.31	7.93	0.00
1806	STL ENV_STR(all)		1839	669.02	-588.58	4.46	-23.00	-42.03	0.00
1806	STL ENV_STR(all)		1835	-246.43	-345.86	0.33	-17.83	-1.76	0.00
1806	STL ENV_STR(all)		1834	-687.99	561.05	0.85	24.79	45.53	0.00
1807	STL ENV_STR(all)		1839	294.85	321.49	2.54	24.34	7.00	0.00
1807	STL ENV_STR(all)		1840	639.03	-647.44	10.67	-5.81	-35.60	0.00
1807	STL ENV_STR(all)		1836	-268.76	-286.47	-6.58	-10.54	-9.26	0.00
1807	STL ENV_STR(all)		1835	-665.13	612.49	-6.63	23.69	45.50	0.00
1808	STL ENV_STR(all)		1840	304.42	235.43	6.53	25.39	14.77	0.00
1808	STL ENV_STR(all)		1841	578.48	-680.87	15.62	14.67	-19.70	0.00
1808	STL ENV_STR(all)		1837	-270.47	-202.08	-8.53	-0.86	-14.66	0.00
1808	STL ENV_STR(all)		1836	-612.44	647.58	-13.62	14.27	34.67	0.00
1809	STL ENV_STR(all)		1403	290.62	411.52	-24.59	-22.64	64.29	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1809	STL ENV_STR(all)		1842	637.03	-520.96	6.85	-30.93	-47.33	0.00
1809	STL ENV_STR(all)		1838	-269.88	-406.67	17.73	-3.16	-23.99	0.00
1809	STL ENV_STR(all)		88	-657.76	516.18	0.01	11.93	66.44	0.00
1810	STL ENV_STR(all)		1842	330.59	417.37	-11.68	12.20	21.67	0.00
1810	STL ENV_STR(all)		1843	652.19	-601.84	12.85	-15.87	-28.45	0.00
1810	STL ENV_STR(all)		1839	-312.91	-380.93	6.93	-13.39	1.85	0.00
1810	STL ENV_STR(all)		1838	-669.88	565.47	-8.10	19.02	51.94	0.00
1811	STL ENV_STR(all)		1843	376.42	355.28	-4.22	26.38	6.74	0.00
1811	STL ENV_STR(all)		1844	626.80	-700.82	18.74	10.33	-5.48	0.00
1811	STL ENV_STR(all)		1840	-352.26	-302.42	-0.59	-14.06	8.28	0.00
1811	STL ENV_STR(all)		1839	-650.96	648.03	-13.93	12.05	33.18	0.00
1812	STL ENV_STR(all)		1844	389.78	236.06	4.99	34.23	3.52	0.00
1812	STL ENV_STR(all)		1845	560.60	-761.24	17.64	38.12	7.84	0.00
1812	STL ENV_STR(all)		1841	-359.19	-189.18	-6.02	-12.38	2.53	0.00
1812	STL ENV_STR(all)		1840	-591.19	714.43	-16.61	-5.52	12.55	0.00
1813	STL ENV_STR(all)		470	350.85	433.88	-26.02	-7.12	99.12	0.00
1813	STL ENV_STR(all)		1846	564.95	-470.76	22.38	-32.01	-51.01	0.00
1813	STL ENV_STR(all)		1842	-321.29	-445.00	25.03	6.82	-32.02	0.00
1813	STL ENV_STR(all)		1403	-594.52	481.94	-21.39	22.85	100.44	0.00
1814	STL ENV_STR(all)		1846	408.98	484.39	-29.72	5.51	42.09	0.00
1814	STL ENV_STR(all)		1847	623.96	-599.05	34.18	-0.86	8.58	0.00
1814	STL ENV_STR(all)		1843	-386.61	-433.84	15.74	-6.43	14.00	0.00
1814	STL ENV_STR(all)		1842	-646.33	548.58	-20.20	11.92	57.67	0.00
1815	STL ENV_STR(all)		1847	466.99	401.92	3.87	35.88	-1.80	0.00
1815	STL ENV_STR(all)		1848	615.25	-758.92	23.89	48.86	23.86	0.00
1815	STL ENV_STR(all)		1844	-440.23	-323.33	-3.40	-12.95	18.84	0.00
1815	STL ENV_STR(all)		1843	-642.01	680.41	-24.37	-4.08	7.71	0.00
1816	STL ENV_STR(all)		1848	466.64	224.91	11.39	52.36	-5.62	0.00
1816	STL ENV_STR(all)		1849	546.25	-853.51	18.30	74.24	30.47	0.00
1816	STL ENV_STR(all)		1845	-436.54	-159.43	-9.35	-22.96	12.06	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1816	STL ENV_STR(all)		1844	-576.35	788.10	-20.34	-31.61	-16.88	0.00
1817	STL ENV_STR(all)		1337	452.18	460.29	-112.46	-80.75	188.67	0.00
1817	STL ENV_STR(all)		1850	397.80	-350.91	76.99	-37.58	12.62	0.00
1817	STL ENV_STR(all)		1846	-387.87	-498.92	61.29	22.27	-15.05	0.00
1817	STL ENV_STR(all)		470	-462.12	389.60	-25.82	7.30	157.68	0.00
1818	STL ENV_STR(all)		1850	518.49	576.94	4.02	38.58	19.87	0.00
1818	STL ENV_STR(all)		1851	543.72	-561.99	50.83	85.71	51.54	0.00
1818	STL ENV_STR(all)		1847	-476.14	-500.16	-0.90	7.86	27.17	0.00
1818	STL ENV_STR(all)		1846	-586.07	485.28	-53.95	4.24	23.97	0.00
1819	STL ENV_STR(all)		1851	561.08	443.80	16.82	77.60	4.63	0.00
1819	STL ENV_STR(all)		1852	579.93	-812.04	32.88	113.59	56.70	0.00
1819	STL ENV_STR(all)		1848	-526.21	-328.99	-12.55	-25.55	21.22	0.00
1819	STL ENV_STR(all)		1847	-614.80	697.30	-37.15	-42.88	-33.95	0.00
1820	STL ENV_STR(all)		1852	503.48	176.93	4.33	79.81	-0.37	0.00
1820	STL ENV_STR(all)		1853	536.33	-947.24	27.51	118.72	62.27	0.00
1820	STL ENV_STR(all)		1849	-484.12	-92.63	-9.11	-45.22	21.75	0.00
1820	STL ENV_STR(all)		1848	-555.68	863.00	-22.73	-75.67	-39.46	0.00
1821	STL ENV_STR(all)		43	701.27	469.28	78.60	276.08	125.94	0.00
1821	STL ENV_STR(all)		752	-35.48	-114.03	193.35	258.80	77.08	0.00
1821	STL ENV_STR(all)		1850	-521.62	-551.58	-30.44	64.53	61.23	0.00
1821	STL ENV_STR(all)		1337	-144.17	196.39	-241.51	80.88	142.06	0.00
1822	STL ENV_STR(all)		752	693.03	653.10	104.97	175.09	-77.08	0.00
1822	STL ENV_STR(all)		784	285.60	-439.36	-2.07	190.79	25.89	0.00
1822	STL ENV_STR(all)		1851	-583.95	-539.21	-52.33	-43.28	7.66	0.00
1822	STL ENV_STR(all)		1850	-394.68	325.54	-50.57	-65.52	-93.73	0.00
1823	STL ENV_STR(all)		784	572.31	415.55	27.32	106.81	-25.89	0.00
1823	STL ENV_STR(all)		783	500.54	-805.21	4.78	164.08	44.95	0.00
1823	STL ENV_STR(all)		1852	-552.01	-267.67	-16.78	-71.50	13.67	0.00
1823	STL ENV_STR(all)		1851	-520.84	657.40	-15.32	-120.03	-63.83	0.00
1824	STL ENV_STR(all)		783	394.47	59.52	38.97	129.77	-44.95	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1824	STL ENV_STR(all)		940	567.62	-998.72	6.11	183.96	45.77	0.00
1824	STL ENV_STR(all)		1853	-430.68	36.49	-24.65	-80.23	22.12	0.00
1824	STL ENV_STR(all)		1852	-531.40	902.77	-20.43	-121.90	-70.00	0.00
1825	STL ENV_STR(all)		1854	-816.67	-486.76	39.04	-77.30	152.62	0.00
1825	STL ENV_STR(all)		1855	-137.61	404.58	63.43	-55.99	-25.38	0.00
1825	STL ENV_STR(all)		587	730.75	549.86	21.93	196.36	-35.92	0.00
1825	STL ENV_STR(all)		55	223.53	-467.62	-124.40	192.76	124.09	0.00
1826	STL ENV_STR(all)		1855	-756.22	-561.49	-6.58	-112.94	71.34	0.00
1826	STL ENV_STR(all)		1856	-154.57	339.19	12.06	-85.34	-28.84	0.00
1826	STL ENV_STR(all)		102	720.56	571.73	4.14	112.92	-36.38	0.00
1826	STL ENV_STR(all)		587	190.23	-349.36	-9.63	98.72	35.92	0.00
1827	STL ENV_STR(all)		1856	-755.18	-592.43	33.57	-67.29	46.03	0.00
1827	STL ENV_STR(all)		1857	-117.23	234.99	38.56	-47.91	-69.94	0.00
1827	STL ENV_STR(all)		584	761.19	637.53	-63.15	160.13	-72.61	0.00
1827	STL ENV_STR(all)		102	111.23	-280.01	-8.99	134.98	36.38	0.00
1828	STL ENV_STR(all)		1857	-710.37	-530.33	17.69	31.36	78.04	0.00
1828	STL ENV_STR(all)		1417	53.16	225.05	191.52	58.16	106.30	0.00
1828	STL ENV_STR(all)		51	774.05	432.35	-52.04	230.81	92.71	0.00
1828	STL ENV_STR(all)		584	-116.85	-127.00	-157.17	202.28	72.61	0.00
1829	STL ENV_STR(all)		1858	-667.48	-535.82	20.55	-37.62	71.41	0.00
1829	STL ENV_STR(all)		1859	-95.25	259.89	14.62	-7.00	-46.61	0.00
1829	STL ENV_STR(all)		1855	751.14	502.95	-23.22	97.22	-86.69	0.00
1829	STL ENV_STR(all)		1854	11.59	-226.95	-11.94	34.19	42.73	0.00
1830	STL ENV_STR(all)		1859	-732.54	-553.47	20.64	-40.34	78.90	0.00
1830	STL ENV_STR(all)		1860	-166.93	328.65	30.17	-6.27	-31.45	0.00
1830	STL ENV_STR(all)		1856	756.78	570.94	-17.17	101.28	-53.44	0.00
1830	STL ENV_STR(all)		1855	142.69	-346.05	-33.63	71.71	40.72	0.00
1831	STL ENV_STR(all)		1860	-729.70	-578.65	1.15	-26.66	66.83	0.00
1831	STL ENV_STR(all)		1861	-166.58	313.07	33.04	7.78	2.99	0.00
1831	STL ENV_STR(all)		1857	743.31	583.34	-5.72	52.57	-35.89	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1831	STL ENV_STR(all)		1856	152.97	-317.69	-28.46	51.34	36.26	0.00
1832	STL ENV_STR(all)		1861	-705.54	-521.42	-51.62	-9.94	27.14	0.00
1832	STL ENV_STR(all)		481	-103.77	341.77	6.09	-9.83	89.98	0.00
1832	STL ENV_STR(all)		1417	725.02	467.72	96.05	-58.27	112.02	0.00
1832	STL ENV_STR(all)		1857	84.29	-288.00	-50.53	-36.02	27.79	0.00
1833	STL ENV_STR(all)		1862	-607.15	-607.08	18.41	-4.82	40.91	0.00
1833	STL ENV_STR(all)		1863	-211.96	238.40	9.16	12.45	-33.50	0.00
1833	STL ENV_STR(all)		1859	646.65	580.81	-20.74	38.17	-60.46	0.00
1833	STL ENV_STR(all)		1858	172.47	-212.07	-6.83	21.55	26.66	0.00
1834	STL ENV_STR(all)		1863	-668.68	-599.03	10.90	-16.09	58.53	0.00
1834	STL ENV_STR(all)		1864	-217.55	306.41	12.93	20.26	-16.37	0.00
1834	STL ENV_STR(all)		1860	705.09	579.93	-9.31	45.17	-58.84	0.00
1834	STL ENV_STR(all)		1859	181.14	-287.23	-14.51	9.17	28.17	0.00
1835	STL ENV_STR(all)		1864	-693.10	-572.72	-6.73	-26.05	59.60	0.00
1835	STL ENV_STR(all)		1865	-209.49	344.97	6.28	11.84	13.04	0.00
1835	STL ENV_STR(all)		1861	711.05	557.75	22.45	24.76	-22.18	0.00
1835	STL ENV_STR(all)		1860	191.55	-329.93	-22.00	-12.23	23.47	0.00
1836	STL ENV_STR(all)		1865	-695.99	-525.97	-16.29	-23.66	24.74	0.00
1836	STL ENV_STR(all)		1351	-179.35	379.61	1.11	-1.63	19.41	0.00
1836	STL ENV_STR(all)		481	714.26	495.83	19.05	9.63	15.98	0.00
1836	STL ENV_STR(all)		1861	161.07	-349.40	-3.87	-22.60	-7.95	0.00
1837	STL ENV_STR(all)		1866	-578.72	-680.22	15.56	14.71	19.20	0.00
1837	STL ENV_STR(all)		1867	-303.73	235.57	6.45	25.15	-14.61	0.00
1837	STL ENV_STR(all)		1863	612.67	646.99	-13.57	14.03	-34.17	0.00
1837	STL ENV_STR(all)		1862	269.78	-202.27	-8.44	-0.77	14.40	0.00
1838	STL ENV_STR(all)		1867	-638.92	-646.67	10.65	-5.67	35.10	0.00
1838	STL ENV_STR(all)		1868	-294.07	321.30	2.46	24.07	-7.00	0.00
1838	STL ENV_STR(all)		1864	665.02	611.79	-6.62	23.41	-45.05	0.00
1838	STL ENV_STR(all)		1863	267.97	-286.35	-6.49	-10.40	9.14	0.00
1839	STL ENV_STR(all)		1868	-668.64	-587.78	4.48	-22.80	41.60	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1839	STL ENV_STR(all)		1869	-264.61	373.00	-5.70	12.05	-8.12	0.00
1839	STL ENV_STR(all)		1865	687.62	560.33	0.81	24.51	-45.23	0.00
1839	STL ENV_STR(all)		1864	245.63	-345.48	0.41	-17.61	1.81	0.00
1840	STL ENV_STR(all)		1869	-673.78	-531.51	-3.95	-27.95	35.60	0.00
1840	STL ENV_STR(all)		88	-237.06	395.90	-16.38	-11.95	-25.86	0.00
1840	STL ENV_STR(all)		1351	692.97	515.02	11.12	1.39	-28.38	0.00
1840	STL ENV_STR(all)		1865	217.86	-379.33	9.20	-12.69	7.45	0.00
1841	STL ENV_STR(all)		1870	-560.63	-760.20	17.59	38.08	-8.19	0.00
1841	STL ENV_STR(all)		1871	-389.06	236.31	4.95	33.97	-3.42	0.00
1841	STL ENV_STR(all)		1867	591.23	713.48	-16.56	-5.61	-12.16	0.00
1841	STL ENV_STR(all)		1866	358.46	-189.52	-5.98	-12.22	-2.68	0.00
1842	STL ENV_STR(all)		1871	-626.48	-699.72	18.72	10.39	5.12	0.00
1842	STL ENV_STR(all)		1872	-375.60	355.12	-4.27	26.12	-6.77	0.00
1842	STL ENV_STR(all)		1868	650.66	647.04	-13.92	11.88	-32.83	0.00
1842	STL ENV_STR(all)		1867	351.43	-302.38	-0.53	-13.86	-8.32	0.00
1843	STL ENV_STR(all)		1872	-651.62	-600.81	12.85	-15.74	28.13	0.00
1843	STL ENV_STR(all)		1873	-329.75	416.88	-11.71	11.94	-21.84	0.00
1843	STL ENV_STR(all)		1869	669.32	564.55	-8.12	18.81	-51.67	0.00
1843	STL ENV_STR(all)		1868	312.05	-380.56	6.98	-13.15	-1.77	0.00
1844	STL ENV_STR(all)		1873	-636.32	-520.06	6.86	-30.75	47.09	0.00
1844	STL ENV_STR(all)		1403	-289.81	410.79	-24.61	-22.87	-64.55	0.00
1844	STL ENV_STR(all)		88	657.06	515.39	-0.01	11.71	-66.27	0.00
1844	STL ENV_STR(all)		1869	269.07	-406.04	17.76	-2.91	24.19	0.00
1845	STL ENV_STR(all)		1874	-546.02	-852.06	18.26	74.15	-30.69	0.00
1845	STL ENV_STR(all)		1875	-465.95	225.30	11.36	52.12	5.68	0.00
1845	STL ENV_STR(all)		1871	576.15	786.78	-20.30	-31.62	17.15	0.00
1845	STL ENV_STR(all)		1870	435.81	-159.95	-9.33	-22.78	-12.14	0.00
1846	STL ENV_STR(all)		1875	-614.67	-757.51	23.86	48.85	-24.09	0.00
1846	STL ENV_STR(all)		1876	-466.19	401.79	3.85	35.64	1.75	0.00
1846	STL ENV_STR(all)		1872	641.48	679.16	-24.35	-4.17	-7.46	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1846	STL ENV_STR(all)		1871	439.39	-323.37	-3.37	-12.74	-18.84	0.00
1847	STL ENV_STR(all)		1876	-623.20	-597.85	34.17	-0.78	-8.79	0.00
1847	STL ENV_STR(all)		1877	-408.16	483.87	-29.74	5.28	-42.23	0.00
1847	STL ENV_STR(all)		1873	645.62	547.52	-20.20	11.77	-57.46	0.00
1847	STL ENV_STR(all)		1872	385.74	-433.47	15.77	-6.21	-13.90	0.00
1848	STL ENV_STR(all)		1877	-564.16	-469.80	22.37	-31.86	50.83	0.00
1848	STL ENV_STR(all)		470	-350.04	433.12	-26.02	-7.34	-99.33	0.00
1848	STL ENV_STR(all)		1403	593.74	481.09	-21.39	22.66	-100.26	0.00
1848	STL ENV_STR(all)		1873	320.45	-444.34	25.04	7.03	32.21	0.00
1849	STL ENV_STR(all)		1878	-535.72	-945.38	27.51	118.60	-62.43	0.00
1849	STL ENV_STR(all)		1879	-502.96	177.49	4.29	79.62	0.37	0.00
1849	STL ENV_STR(all)		1875	555.18	861.33	-22.71	-75.62	39.61	0.00
1849	STL ENV_STR(all)		1874	483.50	-93.38	-9.09	-45.04	-21.81	0.00
1850	STL ENV_STR(all)		1879	-579.06	-810.36	32.90	113.55	-56.88	0.00
1850	STL ENV_STR(all)		1880	-560.41	443.68	16.76	77.38	-4.75	0.00
1850	STL ENV_STR(all)		1876	614.03	695.87	-37.14	-42.91	34.09	0.00
1850	STL ENV_STR(all)		1875	525.44	-329.12	-12.51	-25.36	-21.20	0.00
1851	STL ENV_STR(all)		1880	-542.81	-560.74	50.82	85.73	-51.68	0.00
1851	STL ENV_STR(all)		1881	-517.80	576.42	3.99	38.35	-20.03	0.00
1851	STL ENV_STR(all)		1877	585.23	484.20	-53.93	4.13	-23.84	0.00
1851	STL ENV_STR(all)		1876	475.37	-499.81	-0.87	8.05	-27.05	0.00
1852	STL ENV_STR(all)		1881	-397.06	-350.01	76.97	-37.49	-12.74	0.00
1852	STL ENV_STR(all)		1337	-451.38	459.55	-112.46	-80.94	-188.85	0.00
1852	STL ENV_STR(all)		470	461.35	388.79	-25.81	7.16	-157.54	0.00
1852	STL ENV_STR(all)		1877	387.09	-498.27	61.30	22.45	15.24	0.00
1853	STL ENV_STR(all)		735	-566.49	-996.54	6.13	183.99	-45.81	0.00
1853	STL ENV_STR(all)		734	-394.49	60.37	39.00	129.66	44.95	0.00
1853	STL ENV_STR(all)		1879	530.53	900.83	-20.45	-121.84	70.09	0.00
1853	STL ENV_STR(all)		1878	430.45	35.41	-24.68	-80.08	-22.15	0.00
1854	STL ENV_STR(all)		734	-499.42	-803.40	4.69	164.00	-44.95	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1854	STL ENV_STR(all)		770	-571.91	415.49	27.32	106.49	25.84	0.00
1854	STL ENV_STR(all)		1880	519.84	655.94	-15.27	-120.03	63.91	0.00
1854	STL ENV_STR(all)		1879	551.49	-267.96	-16.74	-71.32	-13.58	0.00
1855	STL ENV_STR(all)		770	-284.74	-438.27	-2.21	190.65	-25.84	0.00
1855	STL ENV_STR(all)		769	-692.47	652.59	105.01	174.79	77.04	0.00
1855	STL ENV_STR(all)		1881	393.84	324.63	-50.49	-65.54	93.82	0.00
1855	STL ENV_STR(all)		1880	583.38	-538.88	-52.31	-43.08	-7.48	0.00
1856	STL ENV_STR(all)		769	36.08	-113.39	193.25	258.76	-77.04	0.00
1856	STL ENV_STR(all)		43	-700.70	468.71	78.67	275.94	-125.94	0.00
1856	STL ENV_STR(all)		1337	143.61	195.79	-241.45	80.81	-141.95	0.00
1856	STL ENV_STR(all)		1881	521.01	-551.04	-30.47	64.69	-61.05	0.00
1857	STL ENV_STR(all)		1882	-834.15	-447.31	38.17	-70.25	82.41	0.00
1857	STL ENV_STR(all)		1854	181.62	217.21	25.43	-4.39	-83.89	0.00
1857	STL ENV_STR(all)		55	1249.65	435.51	-50.79	212.51	-124.09	0.00
1857	STL ENV_STR(all)		1883	-597.12	-205.34	-12.81	20.02	64.77	0.00
1858	STL ENV_STR(all)		1884	-579.33	-516.17	33.48	-15.26	34.66	0.00
1858	STL ENV_STR(all)		1858	-86.68	169.58	-2.80	-8.85	-65.82	0.00
1858	STL ENV_STR(all)		1854	623.46	496.50	-52.52	47.50	-111.47	0.00
1858	STL ENV_STR(all)		1882	42.54	-149.84	21.84	51.69	6.70	0.00
1859	STL ENV_STR(all)		1885	-536.17	-592.44	15.56	9.43	25.54	0.00
1859	STL ENV_STR(all)		1862	-199.77	157.75	9.42	7.21	-33.12	0.00
1859	STL ENV_STR(all)		1858	581.69	578.31	-10.92	24.91	-32.25	0.00
1859	STL ENV_STR(all)		1884	154.25	-143.56	-14.06	18.92	38.57	0.00
1860	STL ENV_STR(all)		1886	-502.87	-669.36	17.00	31.84	0.87	0.00
1860	STL ENV_STR(all)		1866	-287.98	139.37	6.19	22.40	-21.41	0.00
1860	STL ENV_STR(all)		1862	537.14	651.59	-19.39	-1.61	-22.19	0.00
1860	STL ENV_STR(all)		1885	253.72	-121.53	-3.79	3.10	12.11	0.00
1861	STL ENV_STR(all)		1887	-476.28	-754.33	15.61	57.08	-18.26	0.00
1861	STL ENV_STR(all)		1870	-356.46	102.49	8.36	36.88	-6.97	0.00
1861	STL ENV_STR(all)		1866	508.24	730.37	-15.77	-24.90	4.88	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1861	STL ENV_STR(all)		1886	324.50	-78.45	-8.20	-11.51	4.04	0.00
1862	STL ENV_STR(all)		1888	-455.21	-847.28	16.04	87.32	-37.99	0.00
1862	STL ENV_STR(all)		1874	-399.30	36.98	10.25	56.57	3.74	0.00
1862	STL ENV_STR(all)		1870	481.27	817.66	-16.62	-52.18	27.30	0.00
1862	STL ENV_STR(all)		1887	373.24	-7.29	-9.67	-28.32	-7.15	0.00
1863	STL ENV_STR(all)		1889	-458.33	-939.50	19.91	129.19	-57.54	0.00
1863	STL ENV_STR(all)		1878	-379.82	-70.14	12.94	87.32	11.14	0.00
1863	STL ENV_STR(all)		1874	461.82	908.45	-19.43	-85.68	48.76	0.00
1863	STL ENV_STR(all)		1888	376.33	101.26	-13.43	-50.63	-17.29	0.00
1864	STL ENV_STR(all)		1114	-552.27	-1005.54	1.83	170.94	-44.62	0.00
1864	STL ENV_STR(all)		735	-210.38	-217.22	37.05	141.85	45.81	0.00
1864	STL ENV_STR(all)		1878	485.09	980.11	-15.78	-125.84	73.43	0.00
1864	STL ENV_STR(all)		1889	277.57	242.71	-23.10	-90.61	-21.01	0.00
1865	STL ENV_STR(all)		1890	-519.00	-224.77	4.16	-21.32	29.32	0.00
1865	STL ENV_STR(all)		1882	189.23	124.54	-32.61	-22.71	-41.83	0.00
1865	STL ENV_STR(all)		1883	597.12	205.34	12.81	-20.02	-64.77	0.00
1865	STL ENV_STR(all)		1891	-267.36	-105.05	15.64	-7.77	29.68	0.00
1866	STL ENV_STR(all)		1892	-520.78	-439.90	20.33	-3.68	14.16	0.00
1866	STL ENV_STR(all)		1884	-73.70	121.98	1.66	-6.18	-47.16	0.00
1866	STL ENV_STR(all)		1882	602.38	472.61	-27.40	41.26	-47.28	0.00
1866	STL ENV_STR(all)		1890	-7.90	-154.62	5.41	21.92	18.31	0.00
1867	STL ENV_STR(all)		1893	-461.45	-528.97	17.59	23.04	0.99	0.00
1867	STL ENV_STR(all)		1885	-177.78	101.59	2.93	5.59	-35.50	0.00
1867	STL ENV_STR(all)		1884	498.78	537.75	-21.08	2.52	-26.06	0.00
1867	STL ENV_STR(all)		1892	140.45	-110.30	0.57	18.14	17.37	0.00
1868	STL ENV_STR(all)		1894	-427.28	-609.10	14.18	44.97	-11.65	0.00
1868	STL ENV_STR(all)		1886	-244.79	59.81	6.18	20.05	-20.99	0.00
1868	STL ENV_STR(all)		1885	460.24	612.38	-14.70	-18.12	-2.15	0.00
1868	STL ENV_STR(all)		1893	211.84	-63.02	-5.67	1.80	15.52	0.00
1869	STL ENV_STR(all)		1895	-396.04	-685.20	14.06	68.98	-27.76	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1869	STL ENV_STR(all)		1887	-287.00	-4.85	7.75	36.48	-10.59	0.00
1869	STL ENV_STR(all)		1886	423.17	688.01	-14.97	-40.39	16.07	0.00
1869	STL ENV_STR(all)		1894	259.88	2.11	-6.83	-12.82	5.95	0.00
1870	STL ENV_STR(all)		1896	-372.19	-758.53	11.68	96.43	-39.92	0.00
1870	STL ENV_STR(all)		1888	-294.35	-99.81	12.27	56.87	2.83	0.00
1870	STL ENV_STR(all)		1887	390.04	766.48	-13.69	-65.23	36.00	0.00
1870	STL ENV_STR(all)		1895	276.50	91.93	-10.25	-30.31	-1.15	0.00
1871	STL ENV_STR(all)		1897	-380.46	-829.09	14.94	126.52	-55.81	0.00
1871	STL ENV_STR(all)		1889	-240.38	-224.83	12.70	88.14	9.92	0.00
1871	STL ENV_STR(all)		1888	373.23	845.83	-14.88	-93.55	52.45	0.00
1871	STL ENV_STR(all)		1896	247.61	208.16	-12.76	-53.59	-11.18	0.00
1872	STL ENV_STR(all)		1115	-483.89	-901.93	2.46	165.95	-42.35	0.00
1872	STL ENV_STR(all)		1114	-87.38	-350.17	29.92	129.24	44.62	0.00
1872	STL ENV_STR(all)		1889	421.15	921.62	-9.51	-126.73	68.64	0.00
1872	STL ENV_STR(all)		1897	150.12	330.54	-22.87	-88.00	-19.69	0.00
1873	STL ENV_STR(all)		1898	-286.21	-121.47	10.66	4.43	6.84	0.00
1873	STL ENV_STR(all)		1890	109.83	71.40	-1.68	3.16	-29.86	0.00
1873	STL ENV_STR(all)		1891	267.36	105.05	-15.64	7.77	-29.68	0.00
1873	STL ENV_STR(all)		1899	-90.98	-54.92	6.66	6.68	10.50	0.00
1874	STL ENV_STR(all)		1900	-379.39	-302.48	10.22	12.25	-0.74	0.00
1874	STL ENV_STR(all)		1892	-33.82	105.31	-5.69	-4.11	-26.49	0.00
1874	STL ENV_STR(all)		1890	417.06	307.99	-7.89	-3.76	-17.77	0.00
1874	STL ENV_STR(all)		1898	-3.85	-110.75	3.36	5.78	12.78	0.00
1875	STL ENV_STR(all)		1901	-377.64	-428.19	13.11	32.44	-11.83	0.00
1875	STL ENV_STR(all)		1893	-130.64	63.48	1.87	7.12	-26.33	0.00
1875	STL ENV_STR(all)		1892	414.14	444.90	-15.21	-10.35	-5.04	0.00
1875	STL ENV_STR(all)		1900	94.14	-80.11	0.23	6.54	11.58	0.00
1876	STL ENV_STR(all)		1902	-353.69	-512.29	12.27	54.60	-22.30	0.00
1876	STL ENV_STR(all)		1894	-182.28	7.56	4.78	20.28	-19.85	0.00
1876	STL ENV_STR(all)		1893	380.25	528.51	-13.79	-31.96	9.83	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1876	STL ENV_STR(all)		1901	155.72	-23.72	-3.27	-2.18	11.36	0.00
1877	STL ENV_STR(all)		1903	-330.56	-578.05	11.03	76.62	-32.89	0.00
1877	STL ENV_STR(all)		1895	-202.14	-66.62	7.48	35.74	-11.17	0.00
1877	STL ENV_STR(all)		1894	349.69	599.42	-12.13	-52.42	25.55	0.00
1877	STL ENV_STR(all)		1902	183.01	45.32	-6.37	-15.58	8.15	0.00
1878	STL ENV_STR(all)		1904	-314.73	-626.62	9.89	99.70	-42.39	0.00
1878	STL ENV_STR(all)		1896	-183.95	-161.08	10.23	55.43	-1.88	0.00
1878	STL ENV_STR(all)		1895	321.68	659.89	-11.28	-74.40	40.07	0.00
1878	STL ENV_STR(all)		1903	177.01	127.88	-8.84	-32.06	2.47	0.00
1879	STL ENV_STR(all)		1905	-319.44	-659.32	7.62	123.28	-48.89	0.00
1879	STL ENV_STR(all)		1897	-119.67	-272.22	12.96	78.79	9.74	0.00
1879	STL ENV_STR(all)		1896	308.53	711.45	-9.15	-98.26	52.97	0.00
1879	STL ENV_STR(all)		1904	130.57	220.16	-11.43	-53.45	-3.80	0.00
1880	STL ENV_STR(all)		1092	-399.51	-699.90	-6.04	139.74	-33.03	0.00
1880	STL ENV_STR(all)		1115	4.11	-375.24	31.02	123.08	42.35	0.00
1880	STL ENV_STR(all)		1897	350.00	770.77	-5.03	-117.31	65.76	0.00
1880	STL ENV_STR(all)		1905	45.41	304.43	-19.95	-83.19	-10.03	0.00
1881	STL ENV_STR(all)		1906	-127.78	-69.53	6.43	9.70	-2.70	0.00
1881	STL ENV_STR(all)		1898	43.47	29.44	-5.24	1.91	-16.11	0.00
1881	STL ENV_STR(all)		1899	90.98	54.92	-6.66	-6.68	-10.50	0.00
1881	STL ENV_STR(all)		1907	-6.67	-14.75	5.47	-2.21	0.02	0.00
1882	STL ENV_STR(all)		1908	-240.44	-212.70	7.81	24.56	-8.32	0.00
1882	STL ENV_STR(all)		1900	-13.91	51.64	-0.65	7.31	-17.55	0.00
1882	STL ENV_STR(all)		1898	246.59	202.78	-8.78	-12.13	-3.51	0.00
1882	STL ENV_STR(all)		1906	7.75	-41.64	1.62	-2.68	6.86	0.00
1883	STL ENV_STR(all)		1909	-279.24	-322.71	9.66	42.57	-17.97	0.00
1883	STL ENV_STR(all)		1901	-78.94	27.30	0.96	12.30	-18.44	0.00
1883	STL ENV_STR(all)		1900	299.16	330.95	-9.80	-26.10	6.71	0.00
1883	STL ENV_STR(all)		1908	59.01	-35.48	-0.82	-3.49	8.84	0.00
1884	STL ENV_STR(all)		1910	-282.43	-406.58	9.96	62.44	-27.71	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1884	STL ENV_STR(all)		1902	-117.47	-24.63	4.03	22.59	-16.85	0.00
1884	STL ENV_STR(all)		1901	300.86	424.61	-10.81	-42.57	18.91	0.00
1884	STL ENV_STR(all)		1909	99.04	6.67	-3.17	-8.99	9.82	0.00
1885	STL ENV_STR(all)		1911	-278.21	-465.42	8.76	81.29	-36.41	0.00
1885	STL ENV_STR(all)		1903	-125.57	-87.72	6.19	35.54	-11.87	0.00
1885	STL ENV_STR(all)		1902	288.15	491.60	-9.93	-61.61	31.00	0.00
1885	STL ENV_STR(all)		1910	115.62	61.62	-5.02	-19.29	8.85	0.00
1886	STL ENV_STR(all)		1912	-282.33	-499.58	6.82	99.71	-41.81	0.00
1886	STL ENV_STR(all)		1904	-99.40	-156.07	9.12	52.45	-3.54	0.00
1886	STL ENV_STR(all)		1903	279.12	537.90	-8.37	-80.10	42.30	0.00
1886	STL ENV_STR(all)		1911	102.61	117.82	-7.57	-33.37	5.57	0.00
1887	STL ENV_STR(all)		1913	-302.34	-505.28	7.56	117.70	-47.42	0.00
1887	STL ENV_STR(all)		1905	-37.82	-222.26	9.16	74.01	2.62	0.00
1887	STL ENV_STR(all)		1904	283.57	562.52	-7.59	-98.69	49.73	0.00
1887	STL ENV_STR(all)		1912	56.60	165.09	-9.14	-51.84	-0.66	0.00
1888	STL ENV_STR(all)		1093	-328.60	-496.18	-12.00	118.32	-29.64	0.00
1888	STL ENV_STR(all)		1092	15.56	-264.02	19.27	90.60	33.03	0.00
1888	STL ENV_STR(all)		1905	311.85	577.15	3.17	-114.10	56.30	0.00
1888	STL ENV_STR(all)		1913	1.19	183.12	-10.45	-76.56	-3.59	0.00
1889	STL ENV_STR(all)		1829	-180.76	217.16	25.79	-4.37	84.77	0.00
1889	STL ENV_STR(all)		1914	832.89	-447.04	38.54	-71.11	-83.53	0.00
1889	STL ENV_STR(all)		1915	595.93	-205.21	-13.06	20.18	-65.59	0.00
1889	STL ENV_STR(all)		59	-1248.06	435.15	-51.26	215.03	125.45	0.00
1890	STL ENV_STR(all)		1833	87.25	169.43	-2.83	-8.87	66.56	0.00
1890	STL ENV_STR(all)		1916	578.41	-516.01	33.81	-15.52	-35.26	0.00
1890	STL ENV_STR(all)		1914	-43.19	-149.64	22.10	52.18	-6.79	0.00
1890	STL ENV_STR(all)		1829	-622.47	496.30	-53.08	48.06	112.87	0.00
1891	STL ENV_STR(all)		1837	200.29	157.45	9.53	7.32	33.50	0.00
1891	STL ENV_STR(all)		1917	535.43	-592.54	15.65	9.35	-26.12	0.00
1891	STL ENV_STR(all)		1916	-154.78	-143.23	-14.23	19.03	-39.08	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1891	STL ENV_STR(all)		1833	-580.94	578.39	-10.95	25.27	32.79	0.00
1892	STL ENV_STR(all)		1841	288.52	138.90	6.23	22.61	21.70	0.00
1892	STL ENV_STR(all)		1918	502.28	-669.79	17.10	31.89	-1.26	0.00
1892	STL ENV_STR(all)		1917	-254.24	-121.04	-3.81	3.06	-12.35	0.00
1892	STL ENV_STR(all)		1837	-536.55	651.99	-19.52	-1.47	22.72	0.00
1893	STL ENV_STR(all)		1845	356.99	101.82	8.39	37.12	7.17	0.00
1893	STL ENV_STR(all)		1919	475.85	-755.13	15.68	57.21	17.98	0.00
1893	STL ENV_STR(all)		1918	-325.03	-77.76	-8.24	-11.64	-4.24	0.00
1893	STL ENV_STR(all)		1841	-507.81	731.14	-15.83	-24.89	-4.53	0.00
1894	STL ENV_STR(all)		1849	399.76	36.07	10.27	56.81	-3.61	0.00
1894	STL ENV_STR(all)		1920	455.03	-848.50	16.09	87.51	37.81	0.00
1894	STL ENV_STR(all)		1919	-373.74	-6.34	-9.69	-28.50	7.01	0.00
1894	STL ENV_STR(all)		1845	-481.05	818.85	-16.68	-52.27	-27.06	0.00
1895	STL ENV_STR(all)		1853	380.01	-71.37	12.91	87.50	-11.01	0.00
1895	STL ENV_STR(all)		1921	458.53	-941.17	19.96	129.38	57.52	0.00
1895	STL ENV_STR(all)		1920	-376.65	102.54	-13.41	-50.81	17.20	0.00
1895	STL ENV_STR(all)		1849	-461.89	910.07	-19.47	-85.83	-48.61	0.00
1896	STL ENV_STR(all)		940	209.88	-218.82	37.04	141.84	-45.77	0.00
1896	STL ENV_STR(all)		970	553.18	-1007.58	1.82	171.13	44.64	0.00
1896	STL ENV_STR(all)		1921	-277.40	244.36	-23.09	-90.69	20.94	0.00
1896	STL ENV_STR(all)		1853	-485.65	982.11	-15.77	-126.00	-73.39	0.00
1897	STL ENV_STR(all)		1914	-188.47	124.35	-32.96	-22.90	42.28	0.00
1897	STL ENV_STR(all)		1922	517.91	-224.60	4.16	-21.66	-29.90	0.00
1897	STL ENV_STR(all)		1923	266.49	-104.89	15.73	-7.94	-30.15	0.00
1897	STL ENV_STR(all)		1915	-595.93	205.21	13.06	-20.18	65.59	0.00
1898	STL ENV_STR(all)		1916	74.15	121.61	1.68	-6.20	47.72	0.00
1898	STL ENV_STR(all)		1924	519.69	-439.65	20.52	-3.88	-14.57	0.00
1898	STL ENV_STR(all)		1922	7.40	-154.23	5.48	22.08	-18.55	0.00
1898	STL ENV_STR(all)		1914	-601.23	472.33	-27.68	41.83	48.04	0.00
1899	STL ENV_STR(all)		1917	178.14	101.05	2.95	5.67	35.94	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1899	STL ENV_STR(all)		1925	460.45	-528.85	17.73	23.05	-1.32	0.00
1899	STL ENV_STR(all)		1924	-140.82	-109.77	0.58	18.27	-17.64	0.00
1899	STL ENV_STR(all)		1916	-497.77	537.64	-21.26	2.70	26.62	0.00
1900	STL ENV_STR(all)		1918	245.13	59.07	6.21	20.22	21.29	0.00
1900	STL ENV_STR(all)		1926	426.37	-609.22	14.28	45.09	11.38	0.00
1900	STL ENV_STR(all)		1925	-212.17	-62.32	-5.70	1.77	-15.77	0.00
1900	STL ENV_STR(all)		1917	-459.33	612.53	-14.79	-18.08	2.53	0.00
1901	STL ENV_STR(all)		1919	287.28	-5.82	7.77	36.71	10.82	0.00
1901	STL ENV_STR(all)		1927	395.26	-685.60	14.14	69.20	27.59	0.00
1901	STL ENV_STR(all)		1926	-260.16	3.02	-6.85	-12.94	-6.12	0.00
1901	STL ENV_STR(all)		1918	-422.37	688.47	-15.06	-40.47	-15.79	0.00
1902	STL ENV_STR(all)		1920	294.49	-101.08	12.27	57.12	-2.65	0.00
1902	STL ENV_STR(all)		1928	371.59	-759.26	11.75	96.72	39.85	0.00
1902	STL ENV_STR(all)		1927	-276.68	93.12	-10.26	-30.49	1.03	0.00
1902	STL ENV_STR(all)		1919	-389.40	767.30	-13.77	-65.41	-35.82	0.00
1903	STL ENV_STR(all)		1921	240.20	-226.47	12.65	88.32	-9.72	0.00
1903	STL ENV_STR(all)		1929	380.23	-830.21	15.03	126.89	55.91	0.00
1903	STL ENV_STR(all)		1928	-247.56	209.69	-12.73	-53.77	11.10	0.00
1903	STL ENV_STR(all)		1920	-372.87	847.05	-14.95	-93.82	-52.36	0.00
1904	STL ENV_STR(all)		970	86.53	-352.14	30.02	129.34	-44.64	0.00
1904	STL ENV_STR(all)		984	484.42	-903.49	2.36	166.27	42.39	0.00
1904	STL ENV_STR(all)		1929	-149.62	332.41	-22.85	-88.13	19.56	0.00
1904	STL ENV_STR(all)		1921	-421.33	923.28	-9.53	-127.02	-68.74	0.00
1905	STL ENV_STR(all)		1922	-109.34	71.16	-1.68	3.25	30.22	0.00
1905	STL ENV_STR(all)		1930	285.32	-121.26	10.74	4.35	-7.16	0.00
1905	STL ENV_STR(all)		1931	90.51	-54.73	6.68	6.68	-10.76	0.00
1905	STL ENV_STR(all)		1923	-266.49	104.89	-15.73	7.94	30.15	0.00
1906	STL ENV_STR(all)		1924	34.11	104.82	-5.77	-4.13	26.82	0.00
1906	STL ENV_STR(all)		1932	378.28	-302.11	10.30	12.17	0.49	0.00
1906	STL ENV_STR(all)		1930	3.57	-110.30	3.43	5.79	-12.94	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1906	STL ENV_STR(all)		1922	-415.97	307.66	-7.96	-3.66	18.23	0.00
1907	STL ENV_STR(all)		1925	130.84	62.82	1.86	7.20	26.66	0.00
1907	STL ENV_STR(all)		1933	376.48	-427.82	13.22	32.50	11.63	0.00
1907	STL ENV_STR(all)		1932	-94.34	-79.52	0.25	6.57	-11.76	0.00
1907	STL ENV_STR(all)		1924	-412.98	444.59	-15.33	-10.25	5.39	0.00
1908	STL ENV_STR(all)		1926	182.42	6.73	4.79	20.44	20.12	0.00
1908	STL ENV_STR(all)		1934	352.57	-512.03	12.37	54.79	22.16	0.00
1908	STL ENV_STR(all)		1933	-155.87	-22.99	-3.27	-2.22	-11.53	0.00
1908	STL ENV_STR(all)		1925	-379.12	528.35	-13.90	-32.02	-9.56	0.00
1909	STL ENV_STR(all)		1927	202.16	-67.67	7.48	35.97	11.38	0.00
1909	STL ENV_STR(all)		1935	329.53	-577.94	11.12	76.92	32.84	0.00
1909	STL ENV_STR(all)		1934	-183.06	46.22	-6.38	-15.71	-8.29	0.00
1909	STL ENV_STR(all)		1926	-348.63	599.46	-12.22	-52.60	-25.38	0.00
1910	STL ENV_STR(all)		1928	183.76	-162.43	10.24	55.70	2.03	0.00
1910	STL ENV_STR(all)		1936	313.85	-626.67	9.97	100.10	42.43	0.00
1910	STL ENV_STR(all)		1935	-176.88	129.01	-8.85	-32.25	-2.56	0.00
1910	STL ENV_STR(all)		1927	-320.73	660.16	-11.37	-74.68	-40.00	0.00
1911	STL ENV_STR(all)		1929	119.14	-273.92	12.88	79.07	-9.50	0.00
1911	STL ENV_STR(all)		1937	318.82	-659.58	7.79	123.81	49.17	0.00
1911	STL ENV_STR(all)		1936	-130.16	221.57	-11.40	-53.66	3.78	0.00
1911	STL ENV_STR(all)		1928	-307.79	712.00	-9.26	-98.65	-52.98	0.00
1912	STL ENV_STR(all)		984	-5.20	-377.23	31.13	123.19	-42.39	0.00
1912	STL ENV_STR(all)		983	399.56	-700.52	-6.12	140.41	33.17	0.00
1912	STL ENV_STR(all)		1937	-44.61	306.10	-19.95	-83.39	9.94	0.00
1912	STL ENV_STR(all)		1929	-349.74	771.71	-5.06	-117.83	-65.97	0.00
1913	STL ENV_STR(all)		1930	-43.25	29.24	-5.32	1.94	16.30	0.00
1913	STL ENV_STR(all)		1938	127.18	-69.22	6.47	9.64	2.54	0.00
1913	STL ENV_STR(all)		1939	6.58	-14.68	5.52	-2.27	-0.07	0.00
1913	STL ENV_STR(all)		1931	-90.51	54.73	-6.68	-6.68	10.76	0.00
1914	STL ENV_STR(all)		1932	14.05	51.22	-0.68	7.39	17.75	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1914	STL ENV_STR(all)		1940	239.42	-212.10	7.86	24.56	8.15	0.00
1914	STL ENV_STR(all)		1938	-7.82	-41.36	1.67	-2.75	-6.94	0.00
1914	STL ENV_STR(all)		1930	-245.64	202.32	-8.85	-12.08	3.80	0.00
1915	STL ENV_STR(all)		1933	79.01	26.72	0.95	12.41	18.66	0.00
1915	STL ENV_STR(all)		1941	278.04	-322.03	9.74	42.70	17.86	0.00
1915	STL ENV_STR(all)		1940	-59.06	-35.03	-0.81	-3.55	-8.95	0.00
1915	STL ENV_STR(all)		1932	-297.99	330.41	-9.87	-26.13	-6.48	0.00
1916	STL ENV_STR(all)		1934	117.45	-25.34	4.03	22.78	17.05	0.00
1916	STL ENV_STR(all)		1942	281.21	-405.89	10.05	62.71	27.67	0.00
1916	STL ENV_STR(all)		1941	-99.04	7.21	-3.18	-9.08	-9.92	0.00
1916	STL ENV_STR(all)		1933	-299.62	424.09	-10.90	-42.70	-18.76	0.00
1917	STL ENV_STR(all)		1935	125.38	-88.60	6.19	35.79	12.05	0.00
1917	STL ENV_STR(all)		1943	277.07	-464.76	8.85	81.68	36.47	0.00
1917	STL ENV_STR(all)		1942	-115.50	62.28	-5.03	-19.44	-8.93	0.00
1917	STL ENV_STR(all)		1934	-286.96	491.15	-10.02	-61.87	-30.93	0.00
1918	STL ENV_STR(all)		1936	98.96	-157.14	9.14	52.76	3.65	0.00
1918	STL ENV_STR(all)		1944	281.33	-498.93	6.90	100.23	41.96	0.00
1918	STL ENV_STR(all)		1943	-102.26	118.61	-7.58	-33.57	-5.62	0.00
1918	STL ENV_STR(all)		1935	-278.03	537.53	-8.46	-80.47	-42.34	0.00
1919	STL ENV_STR(all)		1937	37.03	-223.55	9.09	74.37	-2.42	0.00
1919	STL ENV_STR(all)		1945	301.56	-504.62	7.75	118.40	47.83	0.00
1919	STL ENV_STR(all)		1944	-55.94	166.00	-9.13	-52.08	0.67	0.00
1919	STL ENV_STR(all)		1936	-282.65	562.24	-7.72	-99.20	-49.86	0.00
1920	STL ENV_STR(all)		983	-16.64	-265.46	19.51	91.07	-33.17	0.00
1920	STL ENV_STR(all)		1060	328.13	-495.56	-12.03	119.35	29.86	0.00
1920	STL ENV_STR(all)		1945	-0.25	184.06	-10.55	-76.87	3.55	0.00
1920	STL ENV_STR(all)		1937	-311.24	577.03	3.07	-114.79	-56.69	0.00
1921	STL ENV_STR(all)		1946	-32.79	-10.96	-5.83	-6.76	1.15	0.00
1921	STL ENV_STR(all)		1938	26.21	-3.69	0.31	-4.73	7.47	0.00
1921	STL ENV_STR(all)		1939	6.58	14.68	5.52	-2.27	0.07	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1922	STL ENV_STR(all)		1947	-99.79	-110.42	-10.84	-31.12	13.81	0.00
1922	STL ENV_STR(all)		1940	-26.14	-14.76	-2.82	-20.88	13.70	0.00
1922	STL ENV_STR(all)		1938	93.15	114.28	7.83	11.62	-3.07	0.00
1922	STL ENV_STR(all)		1946	32.79	10.96	5.83	6.76	-1.15	0.00
1923	STL ENV_STR(all)		1948	-200.91	-259.42	-8.15	-59.96	24.14	0.00
1923	STL ENV_STR(all)		1941	-62.48	-42.33	-1.97	-28.01	18.86	0.00
1923	STL ENV_STR(all)		1940	206.50	261.90	9.87	41.89	-12.90	0.00
1923	STL ENV_STR(all)		1947	56.89	39.93	0.26	21.88	-7.31	0.00
1924	STL ENV_STR(all)		1949	-232.94	-342.19	-6.48	-78.67	34.60	0.00
1924	STL ENV_STR(all)		1942	-91.30	-86.87	-3.74	-35.68	19.88	0.00
1924	STL ENV_STR(all)		1941	241.48	357.15	8.53	61.63	-26.80	0.00
1924	STL ENV_STR(all)		1948	82.76	71.99	1.69	28.46	-14.20	0.00
1925	STL ENV_STR(all)		1950	-254.34	-403.02	-7.71	-97.90	43.45	0.00
1925	STL ENV_STR(all)		1943	-99.94	-135.16	-6.02	-47.77	18.06	0.00
1925	STL ENV_STR(all)		1942	257.02	430.48	8.76	78.95	-38.62	0.00
1925	STL ENV_STR(all)		1949	97.26	107.78	4.97	33.59	-15.42	0.00
1926	STL ENV_STR(all)		1951	-284.75	-445.60	-5.29	-114.17	45.76	0.00
1926	STL ENV_STR(all)		1944	-84.04	-173.90	-9.84	-64.15	9.16	0.00
1926	STL ENV_STR(all)		1943	274.74	481.32	7.29	95.88	-48.90	0.00
1926	STL ENV_STR(all)		1950	94.05	138.26	7.83	45.52	-14.17	0.00
1927	STL ENV_STR(all)		1952	-330.60	-470.12	-9.75	-126.19	56.87	0.00
1927	STL ENV_STR(all)		1945	-52.62	-187.39	-4.77	-84.42	8.65	0.00
1927	STL ENV_STR(all)		1944	309.43	506.83	7.61	112.30	-51.80	0.00
1927	STL ENV_STR(all)		1951	73.80	150.75	6.90	62.43	-5.46	0.00
1928	STL ENV_STR(all)		1231	-356.56	-479.78	4.57	-149.43	29.59	0.00
1928	STL ENV_STR(all)		1060	-57.66	-162.68	-22.53	-103.79	-29.86	0.00
1928	STL ENV_STR(all)		1945	353.93	507.95	1.97	125.95	-60.03	0.00
1928	STL ENV_STR(all)		1952	60.30	134.59	16.00	82.15	-1.26	0.00
1929	STL ENV_STR(all)		1238	-362.72	-454.86	12.38	-122.98	22.81	0.00
1929	STL ENV_STR(all)		1231	-54.78	-111.49	-27.02	-103.55	-29.59	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1929	STL ENV_STR(all)		1952	339.07	459.47	0.88	114.68	-62.31	0.00
1929	STL ENV_STR(all)		1953	78.43	106.96	13.77	74.88	-9.07	0.00
1930	STL ENV_STR(all)		1953	-291.45	-414.64	-4.10	-120.47	51.34	0.00
1930	STL ENV_STR(all)		1952	-68.76	-123.94	-7.13	-70.64	6.70	0.00
1930	STL ENV_STR(all)		1951	277.07	424.19	4.07	108.84	-54.48	0.00
1930	STL ENV_STR(all)		1954	83.14	114.47	7.16	54.32	-12.84	0.00
1931	STL ENV_STR(all)		1954	-230.08	-356.40	-1.29	-109.66	48.37	0.00
1931	STL ENV_STR(all)		1951	-66.12	-129.35	-5.69	-57.11	14.19	0.00
1931	STL ENV_STR(all)		1950	223.88	376.26	3.81	101.18	-49.46	0.00
1931	STL ENV_STR(all)		1955	72.31	109.58	3.16	48.67	-19.05	0.00
1932	STL ENV_STR(all)		1955	-189.25	-295.15	-4.80	-101.88	44.09	0.00
1932	STL ENV_STR(all)		1950	-63.59	-111.50	-3.93	-48.80	20.18	0.00
1932	STL ENV_STR(all)		1949	187.89	322.27	6.98	88.56	-39.22	0.00
1932	STL ENV_STR(all)		1956	64.95	84.46	1.75	41.06	-16.35	0.00
1933	STL ENV_STR(all)		1245	-320.34	-419.88	10.95	-103.61	16.75	0.00
1933	STL ENV_STR(all)		1238	-42.60	-118.32	-19.28	-70.42	-22.81	0.00
1933	STL ENV_STR(all)		1953	282.00	420.82	-6.49	100.98	-55.51	0.00
1933	STL ENV_STR(all)		1957	80.94	117.46	14.82	51.73	-15.39	0.00
1934	STL ENV_STR(all)		1957	-205.96	-313.55	2.99	-101.32	50.71	0.00
1934	STL ENV_STR(all)		1953	-68.98	-113.15	-3.17	-55.40	13.24	0.00
1934	STL ENV_STR(all)		1954	199.91	342.33	0.40	106.96	-53.42	0.00
1934	STL ENV_STR(all)		1958	75.03	84.46	-0.22	49.24	-18.79	0.00
1935	STL ENV_STR(all)		1252	-164.94	-158.86	23.41	-23.22	-0.00	0.00
1935	STL ENV_STR(all)		1245	7.10	-123.29	-11.01	-38.94	-16.75	0.00
1935	STL ENV_STR(all)		1957	118.96	227.51	-8.96	56.10	-29.48	0.00
1935	STL ENV_STR(all)		1959	38.89	54.71	-3.45	36.72	-18.65	0.00
1936	STL ENV_STR(all)		1958	-107.86	-170.61	-5.18	-78.90	36.75	0.00
1936	STL ENV_STR(all)		1954	-52.97	-100.39	-6.28	-51.62	17.88	0.00
1936	STL ENV_STR(all)		1955	105.98	197.89	4.51	66.11	-32.49	0.00
1936	STL ENV_STR(all)		1960	54.86	73.17	6.95	35.93	-17.14	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1937	STL ENV_STR(all)		1961	-51.91	-71.51	-8.22	-23.96	9.47	0.00
1937	STL ENV_STR(all)		1948	9.01	1.05	-2.37	-11.52	9.22	0.00
1937	STL ENV_STR(all)		1947	42.90	70.49	10.59	9.24	-6.50	0.00
1938	STL ENV_STR(all)		1960	-54.86	-73.17	-6.95	-35.93	17.14	0.00
1938	STL ENV_STR(all)		1955	10.96	-12.32	-2.87	-12.91	7.44	0.00
1938	STL ENV_STR(all)		1956	43.89	85.50	9.83	24.40	-14.22	0.00
1939	STL ENV_STR(all)		1959	-38.89	-54.71	3.45	-36.72	18.65	0.00
1939	STL ENV_STR(all)		1957	6.06	-31.41	-8.85	-6.51	-5.84	0.00
1939	STL ENV_STR(all)		1958	32.83	86.15	5.41	29.67	-17.96	0.00
1940	STL ENV_STR(all)		1956	-108.84	-169.97	-11.58	-65.46	30.58	0.00
1940	STL ENV_STR(all)		1949	-52.21	-87.87	-5.47	-43.48	20.04	0.00
1940	STL ENV_STR(all)		1948	109.14	186.38	8.83	43.02	-19.16	0.00
1940	STL ENV_STR(all)		1961	51.91	71.51	8.22	23.96	-9.47	0.00
1941	STL ENV_STR(all)		1962	-32.96	-11.11	5.76	6.77	-1.19	0.00
1941	STL ENV_STR(all)		1906	26.29	-3.62	-0.29	4.64	-7.37	0.00
1941	STL ENV_STR(all)		1907	6.67	14.75	-5.47	2.21	-0.02	0.00
1942	STL ENV_STR(all)		1963	-100.42	-111.13	10.72	30.98	-13.83	0.00
1942	STL ENV_STR(all)		1908	-26.27	-14.72	2.80	20.70	-13.59	0.00
1942	STL ENV_STR(all)		1906	93.73	114.80	-7.76	-11.66	3.21	0.00
1942	STL ENV_STR(all)		1962	32.96	11.11	-5.76	-6.77	1.19	0.00
1943	STL ENV_STR(all)		1964	-202.16	-260.80	8.08	59.71	-24.20	0.00
1943	STL ENV_STR(all)		1909	-62.64	-42.16	1.97	27.78	-18.71	0.00
1943	STL ENV_STR(all)		1908	207.69	262.90	-9.78	-41.77	13.07	0.00
1943	STL ENV_STR(all)		1963	57.11	40.14	-0.27	-21.70	7.29	0.00
1944	STL ENV_STR(all)		1965	-234.30	-343.56	6.43	78.27	-34.56	0.00
1944	STL ENV_STR(all)		1910	-91.58	-86.56	3.73	35.40	-19.72	0.00
1944	STL ENV_STR(all)		1909	242.84	358.20	-8.46	-61.35	26.86	0.00
1944	STL ENV_STR(all)		1964	83.03	71.99	-1.70	-28.21	14.11	0.00
1945	STL ENV_STR(all)		1966	-255.62	-404.38	7.62	97.32	-43.29	0.00
1945	STL ENV_STR(all)		1911	-100.38	-134.76	6.00	47.41	-17.89	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1945	STL ENV_STR(all)		1910	258.38	431.52	-8.67	-78.55	38.58	0.00
1945	STL ENV_STR(all)		1965	97.63	107.70	-4.95	-33.35	15.33	0.00
1946	STL ENV_STR(all)		1967	-285.86	-447.02	5.19	113.40	-45.47	0.00
1946	STL ENV_STR(all)		1912	-84.73	-173.44	9.79	63.71	-9.03	0.00
1946	STL ENV_STR(all)		1911	275.98	482.36	-7.19	-95.34	48.74	0.00
1946	STL ENV_STR(all)		1966	94.61	138.18	-7.79	-45.22	14.10	0.00
1947	STL ENV_STR(all)		1968	-331.51	-471.62	9.58	125.20	-56.37	0.00
1947	STL ENV_STR(all)		1913	-53.58	-186.94	4.75	83.86	-8.46	0.00
1947	STL ENV_STR(all)		1912	310.47	507.93	-7.47	-111.58	51.50	0.00
1947	STL ENV_STR(all)		1967	74.62	150.71	-6.86	-62.04	5.44	0.00
1948	STL ENV_STR(all)		1280	-357.37	-481.34	-4.51	148.12	-29.35	0.00
1948	STL ENV_STR(all)		1093	-58.56	-162.41	22.22	102.95	29.64	0.00
1948	STL ENV_STR(all)		1913	354.73	509.09	-1.87	-125.00	59.47	0.00
1948	STL ENV_STR(all)		1968	61.20	134.73	-15.84	-81.59	1.17	0.00
1949	STL ENV_STR(all)		1273	-363.53	-456.84	-12.30	121.66	-22.57	0.00
1949	STL ENV_STR(all)		1280	-55.38	-112.14	26.74	102.69	29.35	0.00
1949	STL ENV_STR(all)		1968	339.82	461.29	-0.83	-113.62	61.72	0.00
1949	STL ENV_STR(all)		1969	79.08	107.76	-13.61	-74.27	8.96	0.00
1950	STL ENV_STR(all)		1969	-292.29	-416.66	3.97	119.38	-50.81	0.00
1950	STL ENV_STR(all)		1968	-69.51	-124.40	7.09	70.02	-6.52	0.00
1950	STL ENV_STR(all)		1967	278.01	425.99	-3.96	-107.98	54.08	0.00
1950	STL ENV_STR(all)		1970	83.80	115.16	-7.11	-53.89	12.75	0.00
1951	STL ENV_STR(all)		1970	-231.14	-358.40	1.24	108.78	-48.03	0.00
1951	STL ENV_STR(all)		1967	-66.77	-129.68	5.63	56.63	-14.05	0.00
1951	STL ENV_STR(all)		1966	225.07	378.01	-3.74	-100.48	49.19	0.00
1951	STL ENV_STR(all)		1971	72.83	110.15	-3.14	-48.27	18.91	0.00
1952	STL ENV_STR(all)		1971	-190.59	-297.34	4.73	101.16	-43.87	0.00
1952	STL ENV_STR(all)		1966	-64.06	-111.81	3.90	48.38	-20.01	0.00
1952	STL ENV_STR(all)		1965	189.30	324.09	-6.89	-88.02	39.12	0.00
1952	STL ENV_STR(all)		1972	65.35	85.14	-1.74	-40.71	16.27	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1953	STL ENV_STR(all)		1261	-321.20	-422.09	-10.83	102.40	-16.55	0.00
1953	STL ENV_STR(all)		1273	-43.12	-119.29	18.99	69.62	22.57	0.00
1953	STL ENV_STR(all)		1969	282.80	422.95	6.49	-99.93	54.90	0.00
1953	STL ENV_STR(all)		1973	81.52	118.52	-14.66	-51.18	15.19	0.00
1954	STL ENV_STR(all)		1973	-206.80	-315.65	-3.04	100.23	-50.19	0.00
1954	STL ENV_STR(all)		1969	-69.59	-114.05	3.15	54.83	-13.05	0.00
1954	STL ENV_STR(all)		1970	200.88	344.44	-0.34	-105.99	52.98	0.00
1954	STL ENV_STR(all)		1974	75.51	85.34	0.23	-48.75	18.63	0.00
1955	STL ENV_STR(all)		1262	-165.33	-159.65	-23.18	22.67	0.00	0.00
1955	STL ENV_STR(all)		1261	6.88	-124.30	10.78	38.42	16.55	0.00
1955	STL ENV_STR(all)		1973	119.29	228.73	8.89	-55.44	29.11	0.00
1955	STL ENV_STR(all)		1975	39.16	55.28	3.52	-36.31	18.43	0.00
1956	STL ENV_STR(all)		1974	-108.68	-172.24	5.07	78.16	-36.43	0.00
1956	STL ENV_STR(all)		1970	-53.54	-101.20	6.20	51.09	-17.70	0.00
1956	STL ENV_STR(all)		1971	106.88	199.38	-4.42	-65.62	32.29	0.00
1956	STL ENV_STR(all)		1976	55.34	74.12	-6.85	-35.65	17.03	0.00
1957	STL ENV_STR(all)		1977	-52.31	-72.21	8.11	23.84	-9.47	0.00
1957	STL ENV_STR(all)		1964	8.99	1.25	2.34	11.35	-9.09	0.00
1957	STL ENV_STR(all)		1963	43.32	70.98	-10.45	-9.29	6.53	0.00
1958	STL ENV_STR(all)		1976	-55.34	-74.12	6.85	35.65	-17.03	0.00
1958	STL ENV_STR(all)		1971	10.87	-12.19	2.83	12.72	-7.33	0.00
1958	STL ENV_STR(all)		1972	44.47	86.33	-9.68	-24.30	14.16	0.00
1959	STL ENV_STR(all)		1975	-39.16	-55.28	-3.52	36.31	-18.43	0.00
1959	STL ENV_STR(all)		1973	5.99	-31.60	8.81	6.38	5.89	0.00
1959	STL ENV_STR(all)		1974	33.17	86.90	-5.30	-29.41	17.80	0.00
1960	STL ENV_STR(all)		1972	-109.81	-171.47	11.42	65.01	-30.43	0.00
1960	STL ENV_STR(all)		1965	-52.63	-88.24	5.41	43.10	-19.89	0.00
1960	STL ENV_STR(all)		1964	110.13	187.56	-8.72	-42.85	19.17	0.00
1960	STL ENV_STR(all)		1977	52.31	72.21	-8.11	-23.84	9.47	0.00
1961	STL ENV_STR(all)		1671	204.21	176.34	308.25	92.90	-167.47	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1961	STL ENV_STR(all)		1978	-146.73	49.91	32.59	55.29	-115.86	0.00
1961	STL ENV_STR(all)		1486	-267.11	-107.48	-252.11	331.67	-118.00	0.00
1961	STL ENV_STR(all)		1485	209.63	-118.70	-88.73	372.70	-147.75	0.00
1962	STL ENV_STR(all)		1978	236.32	93.00	61.68	-81.28	118.57	0.00
1962	STL ENV_STR(all)		1979	-118.41	-40.00	60.10	-95.10	-57.23	0.00
1962	STL ENV_STR(all)		1505	-283.50	-77.84	-6.81	229.02	-46.49	0.00
1962	STL ENV_STR(all)		1486	165.59	24.90	-114.97	251.95	118.00	0.00
1963	STL ENV_STR(all)		1979	232.41	78.06	27.59	-138.03	60.12	0.00
1963	STL ENV_STR(all)		1980	-75.86	-87.51	10.78	-142.09	-88.56	0.00
1963	STL ENV_STR(all)		1506	-280.61	-69.02	-35.06	195.15	-79.07	0.00
1963	STL ENV_STR(all)		1505	124.06	78.54	-3.31	180.90	46.49	0.00
1964	STL ENV_STR(all)		1980	208.26	82.52	58.59	-97.80	62.98	0.00
1964	STL ENV_STR(all)		1981	-4.10	-110.43	67.77	-117.51	-124.08	0.00
1964	STL ENV_STR(all)		1511	-275.64	-93.72	-90.04	264.00	-74.01	0.00
1964	STL ENV_STR(all)		1506	71.48	121.70	-36.32	267.16	79.07	0.00
1965	STL ENV_STR(all)		1670	148.70	174.90	14.80	-11.33	-154.13	0.00
1965	STL ENV_STR(all)		1982	-32.36	21.01	-79.03	-4.79	-26.76	0.00
1965	STL ENV_STR(all)		1978	-180.66	-137.47	-84.40	-51.11	-37.76	0.00
1965	STL ENV_STR(all)		1671	64.32	-58.36	148.63	-92.85	-190.29	0.00
1966	STL ENV_STR(all)		1982	145.23	98.59	58.59	11.02	-8.18	0.00
1966	STL ENV_STR(all)		1983	-52.15	-17.23	5.85	-21.88	-84.98	0.00
1966	STL ENV_STR(all)		1979	-184.15	-75.86	-54.57	95.12	-64.01	0.00
1966	STL ENV_STR(all)		1978	91.06	-5.43	-9.87	77.09	35.05	0.00
1967	STL ENV_STR(all)		1983	134.59	56.69	43.53	-20.62	52.95	0.00
1967	STL ENV_STR(all)		1984	-40.16	-44.69	30.58	-49.09	-82.39	0.00
1967	STL ENV_STR(all)		1980	-164.58	-49.71	-40.98	117.00	-57.97	0.00
1967	STL ENV_STR(all)		1979	70.15	37.79	-33.12	138.01	61.12	0.00
1968	STL ENV_STR(all)		1984	99.11	13.98	17.83	-33.30	58.14	0.00
1968	STL ENV_STR(all)		1985	-30.46	-70.89	27.25	-52.80	-67.16	0.00
1968	STL ENV_STR(all)		1981	-100.83	2.28	-16.69	75.75	-48.28	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1968	STL ENV_STR(all)		1980	32.18	54.70	-28.39	122.88	83.54	0.00
1969	STL ENV_STR(all)		1651	108.08	148.37	10.31	7.54	-55.62	0.00
1969	STL ENV_STR(all)		1986	42.45	-21.42	-24.50	-20.93	-14.38	0.00
1969	STL ENV_STR(all)		1982	-128.61	-129.12	-13.45	-33.28	26.32	0.00
1969	STL ENV_STR(all)		1670	-21.92	2.24	27.63	11.53	-51.56	0.00
1970	STL ENV_STR(all)		1986	85.12	84.58	14.20	17.46	-32.71	0.00
1970	STL ENV_STR(all)		1987	8.89	-26.49	-12.31	-26.13	-66.34	0.00
1970	STL ENV_STR(all)		1983	-109.75	-67.54	-35.79	-13.46	-30.09	0.00
1970	STL ENV_STR(all)		1982	15.74	9.51	33.89	27.05	8.62	0.00
1971	STL ENV_STR(all)		1987	70.39	34.94	21.30	20.87	16.97	0.00
1971	STL ENV_STR(all)		1988	-7.41	-43.53	14.06	-16.71	-62.88	0.00
1971	STL ENV_STR(all)		1984	-90.28	-19.42	-21.77	28.25	-35.66	0.00
1971	STL ENV_STR(all)		1983	27.31	28.08	-13.59	55.96	62.12	0.00
1972	STL ENV_STR(all)		1988	60.97	-4.44	13.89	3.87	38.38	0.00
1972	STL ENV_STR(all)		1989	-15.30	-62.80	22.01	-11.50	-37.81	0.00
1972	STL ENV_STR(all)		1985	-77.00	17.18	-9.27	43.04	-28.71	0.00
1972	STL ENV_STR(all)		1984	31.33	50.13	-26.64	54.14	59.91	0.00
1973	STL ENV_STR(all)		1650	70.00	108.39	-15.21	-5.28	1.24	0.00
1973	STL ENV_STR(all)		1990	95.39	-62.97	-9.65	-25.79	-25.74	0.00
1973	STL ENV_STR(all)		1986	-85.08	-102.39	5.95	-23.72	9.89	0.00
1973	STL ENV_STR(all)		1651	-80.31	57.04	18.91	-7.26	4.96	0.00
1974	STL ENV_STR(all)		1990	41.07	63.67	-1.94	20.55	-9.41	0.00
1974	STL ENV_STR(all)		1991	61.80	-50.51	2.00	-23.69	-41.47	0.00
1974	STL ENV_STR(all)		1987	-60.36	-52.32	-4.41	-23.86	7.38	0.00
1974	STL ENV_STR(all)		1986	-42.50	39.23	4.34	27.19	37.20	0.00
1975	STL ENV_STR(all)		1991	29.25	23.96	7.09	29.96	-3.36	0.00
1975	STL ENV_STR(all)		1992	38.55	-57.22	9.97	-7.42	-37.10	0.00
1975	STL ENV_STR(all)		1988	-48.89	-10.54	-12.47	-9.15	-7.99	0.00
1975	STL ENV_STR(all)		1987	-18.91	43.88	-4.58	29.13	42.00	0.00
1976	STL ENV_STR(all)		1992	26.10	-10.77	10.18	25.65	9.98	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1976	STL ENV_STR(all)		1993	21.62	-70.44	17.11	11.67	-17.43	0.00
1976	STL ENV_STR(all)		1989	-43.05	22.76	-11.81	8.64	-11.93	0.00
1976	STL ENV_STR(all)		1988	-4.67	58.51	-15.48	22.00	32.50	0.00
1977	STL ENV_STR(all)		1661	29.32	64.90	-25.39	-18.24	49.31	0.00
1977	STL ENV_STR(all)		1994	135.68	-95.09	2.66	-30.05	-42.41	0.00
1977	STL ENV_STR(all)		1990	-43.50	-69.86	16.92	-14.22	-10.98	0.00
1977	STL ENV_STR(all)		1650	-121.50	100.11	5.81	5.58	52.62	0.00
1978	STL ENV_STR(all)		1994	1.48	44.14	-10.52	22.46	5.50	0.00
1978	STL ENV_STR(all)		1995	111.79	-74.10	11.24	-17.60	-26.94	0.00
1978	STL ENV_STR(all)		1991	-20.31	-39.12	4.61	-22.63	14.61	0.00
1978	STL ENV_STR(all)		1990	-92.96	69.15	-5.34	19.46	46.13	0.00
1979	STL ENV_STR(all)		1995	-6.39	18.63	-2.41	35.35	-7.06	0.00
1979	STL ENV_STR(all)		1996	90.67	-76.63	19.47	9.05	-2.45	0.00
1979	STL ENV_STR(all)		1992	-13.54	-7.59	-3.36	-18.32	19.29	0.00
1979	STL ENV_STR(all)		1991	-70.73	65.67	-13.70	16.36	30.21	0.00
1980	STL ENV_STR(all)		1996	-4.65	-10.30	8.92	40.46	-8.56	0.00
1980	STL ENV_STR(all)		1997	69.90	-87.27	17.65	37.48	10.15	0.00
1980	STL ENV_STR(all)		1993	-14.14	22.06	-9.79	-11.93	10.02	0.00
1980	STL ENV_STR(all)		1992	-51.11	75.58	-16.79	0.10	7.83	0.00
1981	STL ENV_STR(all)		1660	-17.66	23.46	-29.27	2.35	96.93	0.00
1981	STL ENV_STR(all)		1998	167.48	-111.10	21.72	-35.49	-51.11	0.00
1981	STL ENV_STR(all)		1994	2.10	-38.64	27.94	-4.52	-21.55	0.00
1981	STL ENV_STR(all)		1661	-151.91	126.34	-20.39	18.54	99.48	0.00
1982	STL ENV_STR(all)		1998	-39.79	29.96	-36.81	13.92	32.27	0.00
1982	STL ENV_STR(all)		1999	159.36	-89.40	39.22	-3.44	18.39	0.00
1982	STL ENV_STR(all)		1995	19.69	-30.08	17.67	-16.80	32.68	0.00
1982	STL ENV_STR(all)		1994	-139.26	89.59	-20.08	12.11	58.45	0.00
1983	STL ENV_STR(all)		1999	-41.24	19.86	7.17	49.39	-19.42	0.00
1983	STL ENV_STR(all)		2000	146.62	-95.62	26.23	54.79	31.41	0.00
1983	STL ENV_STR(all)		1996	19.70	-9.72	-6.89	-20.01	34.64	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1983	STL ENV_STR(all)		1995	-125.09	85.55	-26.51	-0.95	1.32	0.00
1984	STL ENV_STR(all)		2000	-34.52	-4.94	15.50	66.41	-19.65	0.00
1984	STL ENV_STR(all)		2001	126.20	-109.56	19.22	78.61	34.15	0.00
1984	STL ENV_STR(all)		1997	14.04	17.91	-13.22	-29.10	23.83	0.00
1984	STL ENV_STR(all)		1996	-105.72	96.66	-21.50	-29.50	-23.64	0.00
1985	STL ENV_STR(all)		1641	-71.03	-13.49	-151.40	-101.97	226.39	0.00
1985	STL ENV_STR(all)		2002	188.59	-104.30	95.75	-49.65	27.30	0.00
1985	STL ENV_STR(all)		1998	54.63	-13.06	80.03	14.24	-0.32	0.00
1985	STL ENV_STR(all)		1660	-172.19	130.92	-24.38	-2.09	185.70	0.00
1986	STL ENV_STR(all)		2002	-84.90	25.80	10.93	61.44	-1.84	0.00
1986	STL ENV_STR(all)		2003	204.89	-91.35	59.54	106.92	65.84	0.00
1986	STL ENV_STR(all)		1999	62.32	-28.58	-5.53	0.26	51.36	0.00
1986	STL ENV_STR(all)		1998	-182.31	94.20	-64.94	7.32	19.17	0.00
1987	STL ENV_STR(all)		2003	-74.53	29.37	30.86	107.02	-20.65	0.00
1987	STL ENV_STR(all)		2004	201.98	-110.38	30.68	132.52	59.37	0.00
1987	STL ENV_STR(all)		2000	53.00	-17.04	-20.68	-39.74	36.17	0.00
1987	STL ENV_STR(all)		1999	-180.45	98.12	-40.85	-46.22	-50.34	0.00
1988	STL ENV_STR(all)		2004	-67.86	2.75	12.73	103.02	-22.26	0.00
1988	STL ENV_STR(all)		2005	188.18	-132.78	23.44	129.81	56.93	0.00
1988	STL ENV_STR(all)		2001	44.78	12.50	-15.13	-61.26	33.68	0.00
1988	STL ENV_STR(all)		2000	-165.10	117.60	-21.04	-81.46	-47.92	0.00
1989	STL ENV_STR(all)		1530	-138.43	-45.95	101.03	384.26	160.87	0.00
1989	STL ENV_STR(all)		1531	203.74	-66.76	262.97	351.11	113.78	0.00
1989	STL ENV_STR(all)		2002	116.19	1.59	-39.68	72.22	101.57	0.00
1989	STL ENV_STR(all)		1641	-181.51	111.19	-324.32	102.16	181.73	0.00
1990	STL ENV_STR(all)		1531	-110.95	45.27	134.19	252.41	-113.78	0.00
1990	STL ENV_STR(all)		1550	233.04	-82.30	4.89	251.02	40.91	0.00
1990	STL ENV_STR(all)		2003	97.80	-39.82	-72.08	-71.86	31.58	0.00
1990	STL ENV_STR(all)		2002	-219.89	76.92	-67.00	-84.01	-127.03	0.00
1991	STL ENV_STR(all)		1550	-107.93	37.39	29.10	156.95	-40.91	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1991	STL ENV_STR(all)		1551	247.08	-116.23	13.62	194.25	56.64	0.00
1991	STL ENV_STR(all)		2004	89.01	-22.90	-24.40	-102.48	33.80	0.00
1991	STL ENV_STR(all)		2003	-228.16	101.80	-18.32	-142.08	-76.77	0.00
1992	STL ENV_STR(all)		1551	-113.33	5.81	34.74	163.29	-56.64	0.00
1992	STL ENV_STR(all)		1556	249.64	-146.63	8.25	186.37	49.82	0.00
1992	STL ENV_STR(all)		2005	86.82	10.35	-23.97	-109.33	38.18	0.00
1992	STL ENV_STR(all)		2004	-223.13	130.53	-19.02	-133.06	-70.91	0.00
1993	STL ENV_STR(all)		2006	13.18	-103.86	67.27	-116.49	122.44	0.00
1993	STL ENV_STR(all)		2007	-204.90	77.13	57.82	-97.09	-62.75	0.00
1993	STL ENV_STR(all)		1482	-79.64	114.65	-36.40	264.78	-78.73	0.00
1993	STL ENV_STR(all)		1481	271.37	-87.85	-88.69	261.47	72.92	0.00
1994	STL ENV_STR(all)		2007	83.79	-80.53	10.93	-140.94	87.86	0.00
1994	STL ENV_STR(all)		2008	-227.98	72.56	27.38	-137.20	-60.00	0.00
1994	STL ENV_STR(all)		1501	-131.83	71.67	-3.34	179.92	-46.20	0.00
1994	STL ENV_STR(all)		1482	276.01	-63.63	-34.97	193.99	78.73	0.00
1995	STL ENV_STR(all)		2008	125.88	-33.20	60.20	-94.57	56.97	0.00
1995	STL ENV_STR(all)		2009	-231.19	87.29	61.51	-80.83	-118.55	0.00
1995	STL ENV_STR(all)		1502	-172.90	18.02	-115.03	251.49	-118.09	0.00
1995	STL ENV_STR(all)		1501	278.22	-72.04	-6.68	228.32	46.20	0.00
1996	STL ENV_STR(all)		2009	153.74	56.33	32.56	55.49	115.82	0.00
1996	STL ENV_STR(all)		1671	-199.31	170.70	308.23	93.03	167.56	0.00
1996	STL ENV_STR(all)		1485	-216.14	-124.97	-88.47	372.59	148.17	0.00
1996	STL ENV_STR(all)		1502	261.71	-101.99	-252.32	331.31	118.09	0.00
1997	STL ENV_STR(all)		2010	36.88	-64.27	27.10	-52.21	66.20	0.00
1997	STL ENV_STR(all)		2011	-96.57	11.06	17.60	-33.24	-57.79	0.00
1997	STL ENV_STR(all)		2007	-39.77	48.65	-28.24	121.66	-82.65	0.00
1997	STL ENV_STR(all)		2006	99.45	4.63	-16.46	75.38	47.79	0.00
1998	STL ENV_STR(all)		2011	47.06	-38.25	30.51	-48.49	81.48	0.00
1998	STL ENV_STR(all)		2012	-130.59	52.20	43.23	-20.47	-52.96	0.00
1998	STL ENV_STR(all)		2008	-77.36	31.37	-33.22	137.01	-60.81	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
1998	STL ENV_STR(all)		2007	160.88	-45.25	-40.52	116.36	57.54	0.00
1999	STL ENV_STR(all)		2012	58.96	-10.64	5.92	-21.39	84.46	0.00
1999	STL ENV_STR(all)		2013	-140.33	93.34	58.37	11.08	8.04	0.00
1999	STL ENV_STR(all)		2009	-98.09	-11.89	-9.94	76.52	-34.94	0.00
1999	STL ENV_STR(all)		2008	179.46	-70.73	-54.35	94.77	63.84	0.00
2000	STL ENV_STR(all)		2013	38.99	27.54	-78.90	-4.59	26.44	0.00
2000	STL ENV_STR(all)		1670	-143.05	169.04	14.58	-11.47	153.66	0.00
2000	STL ENV_STR(all)		1671	-71.49	-64.79	148.45	-93.07	190.11	0.00
2000	STL ENV_STR(all)		2009	175.55	-131.72	-84.12	-51.18	37.67	0.00
2001	STL ENV_STR(all)		2014	20.61	-55.76	21.90	-11.18	37.15	0.00
2001	STL ENV_STR(all)		2015	-57.36	-6.69	13.79	3.79	-38.13	0.00
2001	STL ENV_STR(all)		2011	-37.07	43.47	-26.50	53.56	-59.16	0.00
2001	STL ENV_STR(all)		2010	73.82	19.05	-9.19	42.84	28.43	0.00
2002	STL ENV_STR(all)		2015	13.19	-36.75	14.01	-16.34	62.20	0.00
2002	STL ENV_STR(all)		2016	-66.24	31.44	21.15	20.72	-16.96	0.00
2002	STL ENV_STR(all)		2012	-33.53	21.65	-13.54	55.32	-61.57	0.00
2002	STL ENV_STR(all)		2011	86.58	-16.27	-21.61	28.18	35.48	0.00
2003	STL ENV_STR(all)		2016	-2.89	-19.99	-12.29	-25.77	65.78	0.00
2003	STL ENV_STR(all)		2017	-80.29	80.05	14.07	17.28	32.46	0.00
2003	STL ENV_STR(all)		2013	-21.98	3.21	33.83	26.57	-8.33	0.00
2003	STL ENV_STR(all)		2012	105.16	-63.20	-35.61	-13.46	30.07	0.00
2004	STL ENV_STR(all)		2017	-36.68	-15.39	-24.39	-20.65	14.05	0.00
2004	STL ENV_STR(all)		1651	-102.80	143.06	10.20	7.28	55.15	0.00
2004	STL ENV_STR(all)		1670	16.16	-3.51	27.49	11.28	51.52	0.00
2004	STL ENV_STR(all)		2013	123.32	-124.09	-13.30	-33.07	-26.15	0.00
2005	STL ENV_STR(all)		2018	-16.78	-62.93	17.05	11.85	16.90	0.00
2005	STL ENV_STR(all)		2019	-21.94	-12.62	10.08	25.46	-9.89	0.00
2005	STL ENV_STR(all)		2015	-0.45	51.36	-15.43	21.61	-31.99	0.00
2005	STL ENV_STR(all)		2014	39.16	24.25	-11.70	8.65	11.72	0.00
2006	STL ENV_STR(all)		2019	-33.32	-50.10	9.93	-7.17	36.57	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2006	STL ENV_STR(all)		2020	-24.74	20.94	6.99	29.72	3.29	0.00
2006	STL ENV_STR(all)		2016	13.44	37.15	-4.55	28.72	-41.53	0.00
2006	STL ENV_STR(all)		2015	44.62	-7.93	-12.37	-9.06	7.92	0.00
2007	STL ENV_STR(all)		2020	-56.36	-43.96	2.01	-23.40	41.00	0.00
2007	STL ENV_STR(all)		2021	-36.23	59.56	-2.01	20.28	9.14	0.00
2007	STL ENV_STR(all)		2017	36.91	33.07	4.30	26.81	-36.88	0.00
2007	STL ENV_STR(all)		2016	55.68	-48.60	-4.30	-23.66	-7.29	0.00
2008	STL ENV_STR(all)		2021	-89.96	-57.11	-9.61	-25.50	25.41	0.00
2008	STL ENV_STR(all)		1650	-64.91	103.37	-15.26	-5.58	-1.62	0.00
2008	STL ENV_STR(all)		1651	74.81	51.53	18.85	-7.55	-4.80	0.00
2008	STL ENV_STR(all)		2017	80.06	-97.73	6.02	-23.44	-9.64	0.00
2009	STL ENV_STR(all)		2022	-65.18	-79.30	17.61	37.59	-10.55	0.00
2009	STL ENV_STR(all)		2023	9.06	-11.87	8.85	40.22	8.56	0.00
2009	STL ENV_STR(all)		2019	46.28	68.01	-16.74	-0.15	-7.43	0.00
2009	STL ENV_STR(all)		2018	9.83	23.22	-9.72	-11.82	-10.10	0.00
2010	STL ENV_STR(all)		2023	-85.62	-69.21	19.44	9.22	2.04	0.00
2010	STL ENV_STR(all)		2024	11.07	15.87	-2.48	35.06	6.92	0.00
2010	STL ENV_STR(all)		2020	65.59	58.71	-13.68	16.06	-29.85	0.00
2010	STL ENV_STR(all)		2019	8.97	-5.30	-3.28	-18.14	-19.26	0.00
2011	STL ENV_STR(all)		2024	-106.60	-67.45	11.23	-17.38	26.58	0.00
2011	STL ENV_STR(all)		2025	3.40	40.26	-10.58	22.14	-5.78	0.00
2011	STL ENV_STR(all)		2021	87.69	62.96	-5.33	19.14	-45.83	0.00
2011	STL ENV_STR(all)		2020	15.51	-35.70	4.68	-22.38	-14.44	0.00
2012	STL ENV_STR(all)		2025	-130.54	-89.31	2.65	-29.78	42.11	0.00
2012	STL ENV_STR(all)		1661	-24.24	60.03	-25.41	-18.57	-49.66	0.00
2012	STL ENV_STR(all)		1650	116.28	94.76	5.80	5.27	-52.36	0.00
2012	STL ENV_STR(all)		2021	38.50	-65.41	16.96	-13.92	11.28	0.00
2013	STL ENV_STR(all)		2026	-121.33	-101.18	19.18	78.67	-34.43	0.00
2013	STL ENV_STR(all)		2027	38.86	-6.26	15.44	66.13	19.57	0.00
2013	STL ENV_STR(all)		2023	100.89	88.76	-21.46	-29.67	23.93	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2013	STL ENV_STR(all)		2022	-18.43	18.75	-13.16	-28.93	-23.82	0.00
2014	STL ENV_STR(all)		2027	-141.57	-88.00	26.19	54.89	-31.70	0.00
2014	STL ENV_STR(all)		2028	45.85	17.31	7.12	49.06	19.24	0.00
2014	STL ENV_STR(all)		2024	120.05	78.44	-26.48	-1.16	-1.04	0.00
2014	STL ENV_STR(all)		2023	-24.33	-7.68	-6.83	-19.77	-34.52	0.00
2015	STL ENV_STR(all)		2028	-154.32	-82.73	39.19	-3.30	-18.67	0.00
2015	STL ENV_STR(all)		2029	44.65	26.22	-36.86	13.56	-32.54	0.00
2015	STL ENV_STR(all)		2025	134.19	83.43	-20.05	11.86	-58.21	0.00
2015	STL ENV_STR(all)		2024	-24.52	-26.85	17.73	-16.52	-32.46	0.00
2016	STL ENV_STR(all)		2029	-162.54	-105.47	21.70	-35.29	50.90	0.00
2016	STL ENV_STR(all)		1660	22.62	18.74	-29.29	2.01	-97.32	0.00
2016	STL ENV_STR(all)		1661	146.97	121.17	-20.38	18.27	-99.27	0.00
2016	STL ENV_STR(all)		2025	-7.05	-34.37	27.98	-4.22	21.88	0.00
2017	STL ENV_STR(all)		2030	-182.96	-124.17	23.41	129.78	-57.16	0.00
2017	STL ENV_STR(all)		2031	71.75	1.72	12.63	102.63	22.04	0.00
2017	STL ENV_STR(all)		2027	160.08	109.52	-21.00	-81.58	48.11	0.00
2017	STL ENV_STR(all)		2026	-48.87	13.00	-15.04	-61.03	-33.57	0.00
2018	STL ENV_STR(all)		2031	-196.85	-102.76	30.64	132.53	-59.60	0.00
2018	STL ENV_STR(all)		2032	78.79	27.07	30.80	106.62	20.40	0.00
2018	STL ENV_STR(all)		2028	175.43	91.04	-40.82	-46.35	50.55	0.00
2018	STL ENV_STR(all)		2027	-57.37	-15.27	-20.63	-39.44	-35.97	0.00
2019	STL ENV_STR(all)		2032	-200.00	-84.82	59.53	106.99	-66.08	0.00
2019	STL ENV_STR(all)		2033	89.50	22.33	10.88	61.06	1.56	0.00
2019	STL ENV_STR(all)		2029	177.46	88.17	-64.92	7.17	-18.99	0.00
2019	STL ENV_STR(all)		2028	-66.96	-25.62	-5.49	0.59	-51.12	0.00
2020	STL ENV_STR(all)		2033	-184.23	-98.87	95.78	-49.55	-27.47	0.00
2020	STL ENV_STR(all)		1641	76.23	-18.11	-151.47	-102.28	-226.82	0.00
2020	STL ENV_STR(all)		1660	167.58	125.98	-24.40	-2.27	-185.64	0.00
2020	STL ENV_STR(all)		2029	-59.58	-8.93	80.09	14.56	0.63	0.00
2021	STL ENV_STR(all)		1526	-244.16	-138.16	8.01	186.11	-49.76	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2021	STL ENV_STR(all)		1527	116.42	5.21	34.79	162.71	56.58	0.00
2021	STL ENV_STR(all)		2031	217.90	122.58	-18.88	-133.04	71.07	0.00
2021	STL ENV_STR(all)		2030	-90.16	10.44	-23.91	-108.98	-37.90	0.00
2022	STL ENV_STR(all)		1527	-241.91	-108.82	13.41	194.06	-56.58	0.00
2022	STL ENV_STR(all)		1546	111.53	35.48	29.18	156.47	40.85	0.00
2022	STL ENV_STR(all)		2032	223.17	94.94	-18.20	-142.08	76.97	0.00
2022	STL ENV_STR(all)		2031	-92.79	-21.53	-24.39	-102.12	-33.51	0.00
2023	STL ENV_STR(all)		1546	-228.28	-76.18	4.72	251.00	-40.85	0.00
2023	STL ENV_STR(all)		1547	114.95	42.01	134.37	252.13	113.78	0.00
2023	STL ENV_STR(all)		2033	215.30	71.43	-66.95	-84.01	127.24	0.00
2023	STL ENV_STR(all)		2032	-101.96	-37.19	-72.13	-71.52	-31.29	0.00
2024	STL ENV_STR(all)		1547	-199.74	-62.31	262.95	351.20	-113.78	0.00
2024	STL ENV_STR(all)		1530	142.40	-49.82	101.10	384.09	-161.03	0.00
2024	STL ENV_STR(all)		1641	177.90	107.08	-324.34	102.09	-181.72	0.00
2024	STL ENV_STR(all)		2033	-120.57	5.11	-39.71	72.51	-101.33	0.00
2025	STL ENV_STR(all)		2034	-72.58	-114.23	26.04	-110.55	78.44	0.00
2025	STL ENV_STR(all)		2006	-80.83	22.93	21.16	-35.73	-50.65	0.00
2025	STL ENV_STR(all)		1481	193.39	130.51	-15.99	253.27	-72.92	0.00
2025	STL ENV_STR(all)		2035	-39.98	-39.14	-31.21	10.74	58.41	0.00
2026	STL ENV_STR(all)		2036	23.86	-79.11	41.58	-36.14	18.24	0.00
2026	STL ENV_STR(all)		2010	-81.94	-18.26	-6.25	-29.63	-70.19	0.00
2026	STL ENV_STR(all)		2006	-31.81	76.30	-71.97	76.84	-119.57	0.00
2026	STL ENV_STR(all)		2034	89.90	21.14	36.63	76.95	-23.93	0.00
2027	STL ENV_STR(all)		2037	20.24	-68.05	16.96	-1.25	19.12	0.00
2027	STL ENV_STR(all)		2014	-50.48	-33.20	11.12	-6.44	-31.40	0.00
2027	STL ENV_STR(all)		2010	-28.77	63.48	-11.67	39.00	-24.44	0.00
2027	STL ENV_STR(all)		2036	59.01	37.84	-16.41	38.54	35.39	0.00
2028	STL ENV_STR(all)		2038	-4.80	-70.76	17.85	25.44	-3.59	0.00
2028	STL ENV_STR(all)		2018	-22.03	-37.86	8.94	17.98	-16.54	0.00
2028	STL ENV_STR(all)		2014	-9.29	64.71	-21.31	8.97	-17.47	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2028	STL ENV_STR(all)		2037	36.11	43.98	-5.47	14.22	6.72	0.00
2029	STL ENV_STR(all)		2039	-45.37	-84.78	15.69	53.78	-20.53	0.00
2029	STL ENV_STR(all)		2022	5.52	-37.67	11.66	39.95	2.54	0.00
2029	STL ENV_STR(all)		2018	28.97	77.57	-16.27	-18.01	9.75	0.00
2029	STL ENV_STR(all)		2038	10.89	44.95	-11.09	-7.73	-3.14	0.00
2030	STL ENV_STR(all)		2040	-97.13	-106.79	15.13	86.97	-37.07	0.00
2030	STL ENV_STR(all)		2026	33.83	-34.89	14.17	67.23	17.46	0.00
2030	STL ENV_STR(all)		2022	78.09	98.22	-16.11	-48.61	31.83	0.00
2030	STL ENV_STR(all)		2039	-14.79	43.52	-13.18	-32.75	-16.85	0.00
2031	STL ENV_STR(all)		2041	-159.82	-133.58	17.46	128.25	-51.37	0.00
2031	STL ENV_STR(all)		2030	68.60	-31.82	17.68	108.98	29.35	0.00
2031	STL ENV_STR(all)		2026	136.37	123.07	-18.31	-84.86	50.55	0.00
2031	STL ENV_STR(all)		2040	-45.15	42.40	-16.84	-64.85	-29.85	0.00
2032	STL ENV_STR(all)		1596	-238.74	-159.17	14.10	179.12	-50.91	0.00
2032	STL ENV_STR(all)		1526	124.63	-31.40	26.44	162.55	49.75	0.00
2032	STL ENV_STR(all)		2030	204.51	145.55	-17.18	-129.79	65.71	0.00
2032	STL ENV_STR(all)		2041	-90.40	45.08	-23.36	-110.74	-41.25	0.00
2033	STL ENV_STR(all)		2042	-19.62	-39.31	-3.78	-42.35	33.85	0.00
2033	STL ENV_STR(all)		2034	-30.74	11.23	-36.57	-29.02	-12.00	0.00
2033	STL ENV_STR(all)		2035	39.98	39.14	31.21	-10.74	-58.41	0.00
2033	STL ENV_STR(all)		2043	10.37	-10.99	9.14	-18.87	23.30	0.00
2034	STL ENV_STR(all)		2044	2.94	-65.98	19.13	-25.05	7.05	0.00
2034	STL ENV_STR(all)		2036	-59.43	-25.37	-2.08	-21.81	-33.71	0.00
2034	STL ENV_STR(all)		2034	13.42	81.86	-26.10	62.62	-42.51	0.00
2034	STL ENV_STR(all)		2042	43.07	9.56	9.04	26.57	-1.15	0.00
2035	STL ENV_STR(all)		2045	18.92	-61.81	18.17	9.02	-6.02	0.00
2035	STL ENV_STR(all)		2037	-42.46	-43.08	3.43	-6.69	-29.27	0.00
2035	STL ENV_STR(all)		2036	-23.44	66.64	-23.09	19.41	-19.92	0.00
2035	STL ENV_STR(all)		2044	46.98	38.32	1.49	31.91	6.07	0.00
2036	STL ENV_STR(all)		2046	4.29	-65.81	13.94	34.79	-15.71	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2036	STL ENV_STR(all)		2038	-19.62	-51.79	7.73	12.79	-14.03	0.00
2036	STL ENV_STR(all)		2037	-13.89	67.16	-14.92	-6.28	3.43	0.00
2036	STL ENV_STR(all)		2045	29.23	50.52	-6.75	12.51	8.36	0.00
2037	STL ENV_STR(all)		2047	-27.33	-78.01	12.81	60.79	-28.20	0.00
2037	STL ENV_STR(all)		2039	4.96	-55.19	10.84	35.87	-0.33	0.00
2037	STL ENV_STR(all)		2038	13.53	77.60	-14.49	-30.49	20.75	0.00
2037	STL ENV_STR(all)		2046	8.84	55.67	-9.16	-7.42	-1.28	0.00
2038	STL ENV_STR(all)		2048	-72.81	-97.52	11.92	89.02	-38.74	0.00
2038	STL ENV_STR(all)		2040	33.10	-56.70	14.21	64.35	14.74	0.00
2038	STL ENV_STR(all)		2039	55.21	96.45	-13.35	-56.90	37.71	0.00
2038	STL ENV_STR(all)		2047	-15.49	57.84	-12.78	-31.54	-11.44	0.00
2039	STL ENV_STR(all)		2049	-132.95	-121.65	10.52	121.41	-43.66	0.00
2039	STL ENV_STR(all)		2041	70.62	-58.73	19.30	102.53	32.01	0.00
2039	STL ENV_STR(all)		2040	109.18	121.09	-12.49	-86.47	52.18	0.00
2039	STL ENV_STR(all)		2048	-46.85	59.35	-17.33	-63.26	-23.36	0.00
2040	STL ENV_STR(all)		1595	-217.89	-144.04	11.26	157.59	-44.68	0.00
2040	STL ENV_STR(all)		1596	133.69	-63.00	24.59	159.33	50.91	0.00
2040	STL ENV_STR(all)		2041	179.60	147.23	-13.41	-120.04	60.61	0.00
2040	STL ENV_STR(all)		2049	-95.40	59.88	-22.44	-107.44	-38.79	0.00
2041	STL ENV_STR(all)		2050	10.71	-9.18	7.00	-6.63	9.88	0.00
2041	STL ENV_STR(all)		2042	-16.89	-4.79	1.07	5.84	-14.32	0.00
2041	STL ENV_STR(all)		2043	-10.37	10.99	-9.14	18.87	-23.30	0.00
2041	STL ENV_STR(all)		2051	16.55	3.05	1.06	2.06	7.57	0.00
2042	STL ENV_STR(all)		2052	15.68	-27.49	8.22	-4.02	-2.74	0.00
2042	STL ENV_STR(all)		2044	-29.60	-20.60	-7.40	-11.93	-13.40	0.00
2042	STL ENV_STR(all)		2042	-6.56	34.54	-6.34	9.93	-18.38	0.00
2042	STL ENV_STR(all)		2050	20.48	13.63	5.51	7.93	0.19	0.00
2043	STL ENV_STR(all)		2053	22.10	-38.51	11.42	16.85	-14.91	0.00
2043	STL ENV_STR(all)		2045	-28.06	-42.28	1.83	-3.72	-16.36	0.00
2043	STL ENV_STR(all)		2044	-20.32	48.27	-13.23	5.08	0.28	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2043	STL ENV_STR(all)		2052	26.29	32.59	-0.02	14.67	2.45	0.00
2044	STL ENV_STR(all)		2054	13.76	-46.27	11.11	40.93	-24.16	0.00
2044	STL ENV_STR(all)		2046	-13.28	-54.03	6.00	11.98	-11.51	0.00
2044	STL ENV_STR(all)		2045	-20.08	53.57	-13.24	-17.82	14.02	0.00
2044	STL ENV_STR(all)		2053	19.59	46.79	-3.86	7.37	3.50	0.00
2045	STL ENV_STR(all)		2055	-11.60	-57.76	9.23	63.30	-31.55	0.00
2045	STL ENV_STR(all)		2047	7.75	-60.28	9.59	31.59	-1.03	0.00
2045	STL ENV_STR(all)		2046	0.15	64.17	-10.77	-39.35	28.49	0.00
2045	STL ENV_STR(all)		2054	3.70	53.95	-8.05	-8.80	1.15	0.00
2046	STL ENV_STR(all)		2056	-51.31	-73.88	7.90	85.75	-37.37	0.00
2046	STL ENV_STR(all)		2048	34.70	-63.80	13.15	57.08	11.72	0.00
2046	STL ENV_STR(all)		2047	35.08	80.45	-9.63	-60.84	40.68	0.00
2046	STL ENV_STR(all)		2055	-18.46	57.31	-11.42	-29.68	-6.17	0.00
2047	STL ENV_STR(all)		2057	-108.17	-94.38	4.53	108.27	-35.67	0.00
2047	STL ENV_STR(all)		2049	70.99	-64.76	19.48	92.31	30.81	0.00
2047	STL ENV_STR(all)		2048	84.97	101.97	-7.75	-82.84	50.37	0.00
2047	STL ENV_STR(all)		2056	-47.79	57.24	-16.27	-57.96	-16.09	0.00
2048	STL ENV_STR(all)		1586	-193.39	-118.53	9.02	131.10	-37.48	0.00
2048	STL ENV_STR(all)		1595	123.07	-56.18	17.81	138.37	44.68	0.00
2048	STL ENV_STR(all)		2049	157.35	126.53	-7.56	-106.28	51.63	0.00
2048	STL ENV_STR(all)		2057	-87.03	48.25	-19.26	-96.27	-33.13	0.00
2049	STL ENV_STR(all)		2058	19.13	8.92	3.23	0.93	-0.80	0.00
2049	STL ENV_STR(all)		2050	-7.61	-8.44	-5.00	-1.32	-7.22	0.00
2049	STL ENV_STR(all)		2051	-16.55	-3.05	-1.06	-2.06	-7.57	0.00
2049	STL ENV_STR(all)		2059	5.03	2.63	2.84	-1.96	0.36	0.00
2050	STL ENV_STR(all)		2060	29.02	4.77	6.61	11.61	-8.70	0.00
2050	STL ENV_STR(all)		2052	-11.69	-21.29	-0.43	1.10	-8.57	0.00
2050	STL ENV_STR(all)		2050	-23.58	4.00	-7.51	0.03	-2.85	0.00
2050	STL ENV_STR(all)		2058	6.26	12.60	1.33	2.68	0.20	0.00
2051	STL ENV_STR(all)		2061	32.54	-5.40	7.70	26.87	-17.98	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2051	STL ENV_STR(all)		2053	-13.29	-35.42	1.23	2.97	-9.46	0.00
2051	STL ENV_STR(all)		2052	-30.27	16.20	-7.78	-11.76	8.87	0.00
2051	STL ENV_STR(all)		2060	11.02	24.69	-1.15	4.12	2.10	0.00
2052	STL ENV_STR(all)		2062	24.29	-15.08	7.54	45.24	-26.46	0.00
2052	STL ENV_STR(all)		2054	-5.32	-46.08	4.70	12.95	-8.44	0.00
2052	STL ENV_STR(all)		2053	-28.40	27.14	-8.79	-27.20	20.86	0.00
2052	STL ENV_STR(all)		2061	9.44	34.09	-3.45	-0.53	3.73	0.00
2053	STL ENV_STR(all)		2063	2.59	-26.87	5.95	63.01	-31.63	0.00
2053	STL ENV_STR(all)		2055	11.53	-52.49	8.07	28.09	-2.24	0.00
2053	STL ENV_STR(all)		2054	-12.15	38.40	-7.75	-45.08	31.45	0.00
2053	STL ENV_STR(all)		2062	-1.98	41.03	-6.27	-11.16	3.18	0.00
2054	STL ENV_STR(all)		2064	-33.36	-41.07	4.22	78.88	-33.88	0.00
2054	STL ENV_STR(all)		2056	35.05	-54.60	11.09	48.52	7.79	0.00
2054	STL ENV_STR(all)		2055	18.53	52.95	-5.88	-61.71	39.97	0.00
2054	STL ENV_STR(all)		2063	-20.22	42.79	-9.43	-27.62	-0.84	0.00
2055	STL ENV_STR(all)		2065	-83.92	-58.44	-1.05	91.70	-27.08	0.00
2055	STL ENV_STR(all)		2057	63.89	-51.18	17.55	76.27	26.67	0.00
2055	STL ENV_STR(all)		2056	64.05	71.25	-2.72	-76.31	45.66	0.00
2055	STL ENV_STR(all)		2064	-44.02	38.44	-13.79	-50.55	-8.14	0.00
2056	STL ENV_STR(all)		1585	-158.90	-86.45	4.93	100.77	-28.22	0.00
2056	STL ENV_STR(all)		1586	95.97	-34.35	13.56	114.26	37.48	0.00
2056	STL ENV_STR(all)		2057	131.31	97.31	-2.82	-88.27	42.13	0.00
2056	STL ENV_STR(all)		2065	-68.38	23.57	-15.67	-80.62	-24.48	0.00
2057	STL ENV_STR(all)		1981	79.59	25.45	21.54	-35.83	51.29	0.00
2057	STL ENV_STR(all)		2066	82.73	-120.46	26.34	-111.68	-79.62	0.00
2057	STL ENV_STR(all)		2067	47.27	-41.82	-31.61	10.81	-59.23	0.00
2057	STL ENV_STR(all)		1511	-209.59	136.90	-16.27	256.14	74.01	0.00
2058	STL ENV_STR(all)		1985	84.10	-16.67	-6.29	-29.75	70.88	0.00
2058	STL ENV_STR(all)		2068	-18.03	-85.69	41.94	-36.60	-18.82	0.00
2058	STL ENV_STR(all)		2066	-91.41	19.73	36.97	77.53	24.04	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2058	STL ENV_STR(all)		1981	25.35	82.70	-72.62	77.59	121.07	0.00
2059	STL ENV_STR(all)		1989	53.69	-32.03	11.23	-6.42	31.71	0.00
2059	STL ENV_STR(all)		2069	-15.37	-75.10	17.05	-1.49	-19.74	0.00
2059	STL ENV_STR(all)		2068	-61.68	36.81	-16.59	38.74	-35.88	0.00
2059	STL ENV_STR(all)		1985	23.36	70.39	-11.69	39.51	24.98	0.00
2060	STL ENV_STR(all)		1993	25.85	-37.05	8.99	18.10	16.78	0.00
2060	STL ENV_STR(all)		2070	9.15	-78.30	17.94	25.31	3.14	0.00
2060	STL ENV_STR(all)		2069	-39.66	43.35	-5.50	14.26	-6.93	0.00
2060	STL ENV_STR(all)		1989	4.66	72.07	-21.43	9.27	18.03	0.00
2061	STL ENV_STR(all)		1997	-1.45	-37.25	11.72	40.13	-2.43	0.00
2061	STL ENV_STR(all)		2071	49.60	-92.90	15.74	53.73	20.16	0.00
2061	STL ENV_STR(all)		2070	-14.82	44.79	-11.14	-7.79	2.97	0.00
2061	STL ENV_STR(all)		1993	-33.32	85.43	-16.32	-17.83	-9.37	0.00
2062	STL ENV_STR(all)		2001	-29.85	-34.87	14.22	67.43	-17.43	0.00
2062	STL ENV_STR(all)		2072	101.56	-115.54	15.16	86.97	36.81	0.00
2062	STL ENV_STR(all)		2071	10.77	43.86	-13.23	-32.86	16.76	0.00
2062	STL ENV_STR(all)		1997	-82.48	106.61	-16.15	-48.50	-31.55	0.00
2063	STL ENV_STR(all)		2005	-65.12	-32.19	17.82	109.25	-29.53	0.00
2063	STL ENV_STR(all)		2073	164.84	-142.96	17.41	128.24	51.10	0.00
2063	STL ENV_STR(all)		2072	41.42	43.28	-16.91	-65.01	29.81	0.00
2063	STL ENV_STR(all)		2001	-141.13	131.93	-18.31	-84.79	-50.40	0.00
2064	STL ENV_STR(all)		1556	-122.16	-32.21	26.45	163.12	-49.82	0.00
2064	STL ENV_STR(all)		1561	244.54	-168.94	14.33	179.31	50.90	0.00
2064	STL ENV_STR(all)		2073	87.51	46.60	-23.49	-110.95	41.42	0.00
2064	STL ENV_STR(all)		2005	-209.88	154.61	-17.29	-129.73	-65.59	0.00
2065	STL ENV_STR(all)		2066	28.88	12.76	-36.93	-29.23	12.26	0.00
2065	STL ENV_STR(all)		2074	25.69	-42.22	-3.84	-42.86	-34.56	0.00
2065	STL ENV_STR(all)		2075	-7.29	-12.29	9.17	-19.15	-23.78	0.00
2065	STL ENV_STR(all)		2067	-47.27	41.82	31.61	-10.81	59.23	0.00
2066	STL ENV_STR(all)		2068	61.09	-24.28	-2.08	-21.90	34.18	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2066	STL ENV_STR(all)		2076	2.60	-71.53	19.31	-25.46	-7.52	0.00
2066	STL ENV_STR(all)		2074	-43.49	7.91	9.15	26.73	1.03	0.00
2066	STL ENV_STR(all)		2066	-20.19	87.97	-26.38	63.37	43.33	0.00
2067	STL ENV_STR(all)		2069	45.25	-42.48	3.45	-6.70	29.66	0.00
2067	STL ENV_STR(all)		2077	-14.58	-68.15	18.30	8.83	5.61	0.00
2067	STL ENV_STR(all)		2076	-49.28	37.54	1.52	32.10	-6.29	0.00
2067	STL ENV_STR(all)		2068	18.62	73.16	-23.26	19.76	20.52	0.00
2068	STL ENV_STR(all)		2070	22.95	-51.76	7.76	12.85	14.29	0.00
2068	STL ENV_STR(all)		2078	-0.50	-72.83	14.02	34.70	15.34	0.00
2068	STL ENV_STR(all)		2077	-32.23	50.42	-6.78	12.57	-8.60	0.00
2068	STL ENV_STR(all)		2069	9.79	74.23	-15.00	-6.07	-2.99	0.00
2069	STL ENV_STR(all)		2071	-1.44	-55.75	10.89	36.00	0.51	0.00
2069	STL ENV_STR(all)		2079	30.92	-85.72	12.86	60.78	27.89	0.00
2069	STL ENV_STR(all)		2078	-12.21	56.27	-9.19	-7.45	1.09	0.00
2069	STL ENV_STR(all)		2070	-17.27	85.27	-14.56	-30.37	-20.40	0.00
2070	STL ENV_STR(all)		2072	-29.71	-57.91	14.22	64.51	-14.59	0.00
2070	STL ENV_STR(all)		2080	76.55	-105.97	11.98	89.05	38.52	0.00
2070	STL ENV_STR(all)		2079	12.10	59.17	-12.80	-31.62	11.31	0.00
2070	STL ENV_STR(all)		2071	-58.93	104.78	-13.40	-56.86	-37.44	0.00
2071	STL ENV_STR(all)		2073	-67.79	-60.68	19.43	102.66	-32.08	0.00
2071	STL ENV_STR(all)		2081	137.24	-130.96	10.42	121.46	43.33	0.00
2071	STL ENV_STR(all)		2080	43.81	61.54	-17.38	-63.37	23.21	0.00
2071	STL ENV_STR(all)		2072	-113.27	130.17	-12.47	-86.46	-52.02	0.00
2072	STL ENV_STR(all)		1561	-132.40	-65.85	24.54	159.50	-50.90	0.00
2072	STL ENV_STR(all)		1570	223.56	-154.27	11.19	157.15	44.54	0.00
2072	STL ENV_STR(all)		2081	93.39	63.15	-22.38	-107.60	38.71	0.00
2072	STL ENV_STR(all)		2073	-184.56	157.04	-13.35	-119.94	-60.44	0.00
2073	STL ENV_STR(all)		2074	15.79	-4.00	1.09	5.97	14.58	0.00
2073	STL ENV_STR(all)		2082	-7.53	-10.65	7.04	-6.84	-10.32	0.00
2073	STL ENV_STR(all)		2083	-15.55	2.43	1.04	1.99	-7.87	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2073	STL ENV_STR(all)		2075	7.29	12.29	-9.17	19.15	23.78	0.00
2074	STL ENV_STR(all)		2076	30.44	-19.60	-7.50	-12.00	13.66	0.00
2074	STL ENV_STR(all)		2084	-11.75	-31.12	8.29	-4.28	2.40	0.00
2074	STL ENV_STR(all)		2082	-20.70	12.48	5.61	7.92	-0.28	0.00
2074	STL ENV_STR(all)		2074	2.01	38.31	-6.40	10.17	18.95	0.00
2075	STL ENV_STR(all)		2077	30.12	-42.01	1.82	-3.73	16.64	0.00
2075	STL ENV_STR(all)		2085	-18.56	-43.55	11.51	16.70	14.60	0.00
2075	STL ENV_STR(all)		2084	-27.81	32.03	0.00	14.74	-2.60	0.00
2075	STL ENV_STR(all)		2076	16.25	53.60	-13.33	5.35	0.15	0.00
2076	STL ENV_STR(all)		2078	15.89	-54.51	6.01	12.04	11.75	0.00
2076	STL ENV_STR(all)		2086	-10.70	-52.21	11.18	40.88	23.89	0.00
2076	STL ENV_STR(all)		2085	-21.88	47.06	-3.85	7.40	-3.66	0.00
2076	STL ENV_STR(all)		2077	16.69	59.73	-13.34	-17.67	-13.65	0.00
2077	STL ENV_STR(all)		2079	-4.97	-61.55	9.60	31.70	1.24	0.00
2077	STL ENV_STR(all)		2087	14.46	-64.49	9.29	63.33	31.32	0.00
2077	STL ENV_STR(all)		2086	-6.31	55.04	-8.06	-8.84	-1.32	0.00
2077	STL ENV_STR(all)		2078	-3.18	71.07	-10.83	-39.29	-28.19	0.00
2078	STL ENV_STR(all)		2080	-32.16	-65.91	13.18	57.20	-11.58	0.00
2078	STL ENV_STR(all)		2088	54.31	-81.35	7.92	85.82	37.15	0.00
2078	STL ENV_STR(all)		2087	15.90	59.24	-11.43	-29.76	6.01	0.00
2078	STL ENV_STR(all)		2079	-38.05	88.09	-9.67	-60.85	-40.44	0.00
2079	STL ENV_STR(all)		2081	-69.22	-67.89	19.44	92.43	-30.63	0.00
2079	STL ENV_STR(all)		2089	111.64	-102.47	4.58	108.26	35.57	0.00
2079	STL ENV_STR(all)		2088	45.78	60.08	-16.25	-58.05	15.97	0.00
2079	STL ENV_STR(all)		2080	-88.20	110.34	-7.77	-82.87	-50.16	0.00
2080	STL ENV_STR(all)		1570	-123.16	-60.58	17.62	138.01	-44.54	0.00
2080	STL ENV_STR(all)		1571	198.26	-127.19	9.03	130.99	37.45	0.00
2080	STL ENV_STR(all)		2089	86.31	52.14	-19.16	-96.24	33.06	0.00
2080	STL ENV_STR(all)		2081	-161.41	135.70	-7.49	-106.29	-51.40	0.00
2081	STL ENV_STR(all)		2082	7.19	-8.14	-5.08	-1.30	7.36	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2081	STL ENV_STR(all)		2090	-17.79	8.16	3.24	0.74	0.55	0.00
2081	STL ENV_STR(all)		2091	-4.96	2.47	2.87	-2.04	-0.43	0.00
2081	STL ENV_STR(all)		2083	15.55	-2.43	-1.04	-1.99	7.87	0.00
2082	STL ENV_STR(all)		2084	12.08	-20.88	-0.46	1.14	8.73	0.00
2082	STL ENV_STR(all)		2092	-26.68	2.43	6.64	11.42	8.43	0.00
2082	STL ENV_STR(all)		2090	-6.44	12.21	1.39	2.61	-0.25	0.00
2082	STL ENV_STR(all)		2082	21.04	6.31	-7.56	0.22	3.24	0.00
2083	STL ENV_STR(all)		2085	14.55	-35.49	1.20	3.01	9.63	0.00
2083	STL ENV_STR(all)		2093	-30.11	-8.98	7.75	26.76	17.73	0.00
2083	STL ENV_STR(all)		2092	-11.93	24.57	-1.12	4.09	-2.18	0.00
2083	STL ENV_STR(all)		2084	27.48	19.97	-7.83	-11.60	-8.54	0.00
2084	STL ENV_STR(all)		2086	7.11	-46.92	4.70	13.03	8.63	0.00
2084	STL ENV_STR(all)		2094	-22.07	-19.64	7.61	45.23	26.26	0.00
2084	STL ENV_STR(all)		2093	-10.93	34.64	-3.44	-0.56	-3.82	0.00
2084	STL ENV_STR(all)		2085	25.89	31.99	-8.86	-27.10	-20.57	0.00
2085	STL ENV_STR(all)		2087	-9.58	-54.14	8.07	28.21	2.43	0.00
2085	STL ENV_STR(all)		2095	-0.50	-32.24	6.01	63.08	31.46	0.00
2085	STL ENV_STR(all)		2094	0.18	42.36	-6.26	-11.23	-3.29	0.00
2085	STL ENV_STR(all)		2086	9.90	44.09	-7.81	-45.08	-31.20	0.00
2086	STL ENV_STR(all)		2088	-33.36	-57.06	11.08	48.65	-7.62	0.00
2086	STL ENV_STR(all)		2096	35.66	-47.15	4.26	79.01	33.76	0.00
2086	STL ENV_STR(all)		2095	18.48	44.89	-9.42	-27.73	0.72	0.00
2086	STL ENV_STR(all)		2087	-20.78	59.39	-5.93	-61.78	-39.76	0.00
2087	STL ENV_STR(all)		2089	-63.10	-54.40	17.48	76.28	-26.49	0.00
2087	STL ENV_STR(all)		2097	86.99	-65.06	-0.99	91.80	27.10	0.00
2087	STL ENV_STR(all)		2096	42.83	41.20	-13.73	-50.62	8.04	0.00
2087	STL ENV_STR(all)		2088	-66.72	78.32	-2.75	-76.42	-45.51	0.00
2088	STL ENV_STR(all)		1571	-96.47	-38.15	13.67	114.29	-37.45	0.00
2088	STL ENV_STR(all)		1576	163.02	-93.09	4.93	100.96	28.23	0.00
2088	STL ENV_STR(all)		2097	68.30	26.59	-15.70	-80.55	24.38	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2088	STL ENV_STR(all)		2089	-134.86	104.72	-2.90	-88.30	-42.14	0.00
2097	STL ENV_STR(all)		2098	5.95	8.27	-2.96	-2.88	0.73	0.00
2097	STL ENV_STR(all)		2090	-0.99	-5.78	0.09	-2.28	3.31	0.00
2097	STL ENV_STR(all)		2091	-4.96	-2.47	2.87	-2.04	0.43	0.00
2098	STL ENV_STR(all)		2099	25.14	28.48	-5.86	-18.01	10.23	0.00
2098	STL ENV_STR(all)		2092	4.05	-5.55	-1.65	-9.38	7.35	0.00
2098	STL ENV_STR(all)		2090	-23.23	-14.60	4.55	5.64	-3.60	0.00
2098	STL ENV_STR(all)		2098	-5.95	-8.27	2.96	2.88	-0.73	0.00
2099	STL ENV_STR(all)		2105	45.84	47.14	-5.62	-40.13	21.75	0.00
2099	STL ENV_STR(all)		2093	1.40	-17.88	-2.18	-14.72	11.22	0.00
2099	STL ENV_STR(all)		2092	-42.65	-21.45	7.16	24.89	-13.59	0.00
2099	STL ENV_STR(all)		2099	-4.59	-7.73	0.64	10.34	-4.28	0.00
2100	STL ENV_STR(all)		2106	40.88	28.96	-4.83	-55.49	29.32	0.00
2100	STL ENV_STR(all)		2094	6.12	-31.34	-4.07	-21.57	11.68	0.00
2100	STL ENV_STR(all)		2093	-42.44	-7.78	6.49	40.93	-25.13	0.00
2100	STL ENV_STR(all)		2105	-4.56	10.24	2.41	13.87	-8.48	0.00
2101	STL ENV_STR(all)		2107	19.52	11.50	-3.56	-69.45	32.47	0.00
2101	STL ENV_STR(all)		2095	15.99	-38.17	-7.03	-33.57	7.90	0.00
2101	STL ENV_STR(all)		2094	-28.01	8.62	5.42	55.57	-34.64	0.00
2101	STL ENV_STR(all)		2106	-7.50	18.13	5.16	21.02	-10.46	0.00
2102	STL ENV_STR(all)		2108	-16.58	-5.15	-1.75	-80.10	31.42	0.00
2102	STL ENV_STR(all)		2096	32.07	-38.39	-9.42	-50.18	-0.03	0.00
2102	STL ENV_STR(all)		2095	2.00	25.52	3.62	68.92	-40.08	0.00
2102	STL ENV_STR(all)		2107	-17.50	18.10	7.55	33.51	-8.68	0.00
2103	STL ENV_STR(all)		2109	-63.88	-25.51	3.94	-85.01	19.32	0.00
2103	STL ENV_STR(all)		2097	49.37	-32.20	-14.88	-71.88	-18.74	0.00
2103	STL ENV_STR(all)		2096	46.42	44.34	-0.05	78.57	-41.77	0.00
2103	STL ENV_STR(all)		2108	-31.90	13.45	10.98	51.07	-3.61	0.00
2104	STL ENV_STR(all)		1601	-121.33	-54.31	0.46	-80.32	16.49	0.00
2104	STL ENV_STR(all)		1576	51.86	-12.75	-9.17	-97.62	-28.23	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2104	STL ENV_STR(all)		2097	105.93	70.67	-1.81	83.13	-32.74	0.00
2104	STL ENV_STR(all)		2109	-36.46	-3.53	10.52	73.11	11.46	0.00
2105	STL ENV_STR(all)		1606	-74.17	-11.77	4.35	-46.53	9.14	0.00
2105	STL ENV_STR(all)		1601	18.94	25.36	-2.93	-57.20	-16.49	0.00
2105	STL ENV_STR(all)		2109	68.56	20.70	-6.11	59.44	-21.82	0.00
2105	STL ENV_STR(all)		2110	-13.33	-34.22	4.70	47.81	2.00	0.00
2106	STL ENV_STR(all)		2110	-31.80	22.86	7.63	-60.24	14.35	0.00
2106	STL ENV_STR(all)		2109	31.78	8.34	-8.35	-47.54	-8.96	0.00
2106	STL ENV_STR(all)		2108	20.35	-8.27	-4.05	66.27	-32.81	0.00
2106	STL ENV_STR(all)		2111	-20.32	-22.84	4.76	39.68	-9.77	0.00
2107	STL ENV_STR(all)		2111	10.23	49.52	2.73	-66.07	26.37	0.00
2107	STL ENV_STR(all)		2108	28.13	-0.03	-5.18	-37.24	5.00	0.00
2107	STL ENV_STR(all)		2107	-21.09	-31.89	-0.45	65.95	-34.93	0.00
2107	STL ENV_STR(all)		2112	-17.27	-17.52	2.90	31.13	-13.28	0.00
2108	STL ENV_STR(all)		2112	46.21	84.98	-0.93	-65.98	30.55	0.00
2108	STL ENV_STR(all)		2107	19.06	2.29	-3.55	-30.01	11.14	0.00
2108	STL ENV_STR(all)		2106	-52.38	-56.63	2.96	59.93	-31.50	0.00
2108	STL ENV_STR(all)		2101	-12.90	-30.55	1.52	24.67	-11.81	0.00
2109	STL ENV_STR(all)		1611	-22.42	24.08	9.55	-18.21	-0.28	0.00
2109	STL ENV_STR(all)		1606	5.13	35.92	-0.85	-25.89	-9.14	0.00
2109	STL ENV_STR(all)		2110	23.34	-21.47	-9.29	38.34	-15.05	0.00
2109	STL ENV_STR(all)		2113	-6.06	-38.44	0.59	27.46	-5.96	0.00
2110	STL ENV_STR(all)		2113	8.83	67.39	6.92	-41.01	12.34	0.00
2110	STL ENV_STR(all)		2110	21.80	32.83	-3.04	-25.92	-1.29	0.00
2110	STL ENV_STR(all)		2111	-17.57	-58.31	-5.68	53.35	-25.71	0.00
2110	STL ENV_STR(all)		2103	-13.06	-41.83	1.80	23.16	-11.47	0.00
2111	STL ENV_STR(all)		1616	9.77	32.60	4.29	2.28	0.00	0.00
2111	STL ENV_STR(all)		1611	11.16	28.63	5.20	-3.56	0.28	0.00
2111	STL ENV_STR(all)		2113	-10.77	-30.91	-5.58	16.17	-2.91	0.00
2111	STL ENV_STR(all)		2104	-10.17	-30.27	-3.90	8.77	-4.36	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2112	STL ENV_STR(all)		2103	31.22	74.04	0.17	-39.46	18.20	0.00
2112	STL ENV_STR(all)		2111	27.66	31.63	-1.81	-26.96	9.11	0.00
2112	STL ENV_STR(all)		2112	-37.84	-55.70	-0.09	40.26	-19.29	0.00
2112	STL ENV_STR(all)		2102	-21.04	-49.91	1.73	21.91	-11.05	0.00
2113	STL ENV_STR(all)		2100	17.13	34.25	-3.81	-16.50	7.81	0.00
2113	STL ENV_STR(all)		2105	3.42	-13.48	-1.41	-4.30	3.93	0.00
2113	STL ENV_STR(all)		2099	-20.55	-20.75	5.22	7.67	-5.96	0.00
2114	STL ENV_STR(all)		2102	21.04	49.91	-1.73	-21.91	11.05	0.00
2114	STL ENV_STR(all)		2112	8.90	-11.76	-1.88	-5.41	2.02	0.00
2114	STL ENV_STR(all)		2101	-29.94	-38.12	3.61	18.20	-10.41	0.00
2115	STL ENV_STR(all)		2104	10.17	30.27	3.90	-8.77	4.36	0.00
2115	STL ENV_STR(all)		2113	7.99	1.96	-1.93	-2.62	-3.46	0.00
2115	STL ENV_STR(all)		2103	-18.16	-32.21	-1.97	16.30	-6.74	0.00
2116	STL ENV_STR(all)		2101	42.84	68.67	-5.13	-42.88	22.22	0.00
2116	STL ENV_STR(all)		2106	18.99	9.55	-3.29	-25.47	12.65	0.00
2116	STL ENV_STR(all)		2105	-44.70	-43.90	4.61	30.56	-17.20	0.00
2116	STL ENV_STR(all)		2100	-17.13	-34.25	3.81	16.50	-7.81	0.00
2117	STL ENV_STR(all)		2114	6.30	8.39	2.91	2.95	-0.80	0.00
2117	STL ENV_STR(all)		2058	-1.27	-5.74	-0.07	2.20	-3.21	0.00
2117	STL ENV_STR(all)		2059	-5.03	-2.63	-2.84	1.96	-0.36	0.00
2118	STL ENV_STR(all)		2115	26.04	29.57	5.76	18.05	-10.35	0.00
2118	STL ENV_STR(all)		2060	4.37	-5.33	1.64	9.29	-7.30	0.00
2118	STL ENV_STR(all)		2058	-24.12	-15.78	-4.49	-5.80	3.81	0.00
2118	STL ENV_STR(all)		2114	-6.30	-8.39	-2.91	-2.95	0.80	0.00
2119	STL ENV_STR(all)		2116	47.39	49.56	5.56	40.18	-21.98	0.00
2119	STL ENV_STR(all)		2061	2.21	-17.16	2.19	14.61	-11.13	0.00
2119	STL ENV_STR(all)		2060	-44.41	-24.13	-7.10	-25.02	13.91	0.00
2119	STL ENV_STR(all)		2115	-5.18	-8.19	-0.66	-10.25	4.30	0.00
2120	STL ENV_STR(all)		2117	42.38	32.28	4.79	55.44	-29.50	0.00
2120	STL ENV_STR(all)		2062	7.34	-29.86	4.08	21.43	-11.56	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2120	STL ENV_STR(all)		2061	-44.18	-11.52	-6.44	-40.95	25.38	0.00
2120	STL ENV_STR(all)		2116	-5.53	9.19	-2.43	-13.71	8.43	0.00
2121	STL ENV_STR(all)		2118	21.03	15.66	3.49	69.27	-32.57	0.00
2121	STL ENV_STR(all)		2063	17.38	-35.88	7.03	33.37	-7.75	0.00
2121	STL ENV_STR(all)		2062	-29.65	3.92	-5.35	-55.50	34.84	0.00
2121	STL ENV_STR(all)		2117	-8.76	16.38	-5.16	-20.88	10.41	0.00
2122	STL ENV_STR(all)		2119	-14.74	-0.22	1.66	79.82	-31.41	0.00
2122	STL ENV_STR(all)		2064	33.28	-35.36	9.43	49.97	0.20	0.00
2122	STL ENV_STR(all)		2063	0.25	19.95	-3.54	-68.76	40.22	0.00
2122	STL ENV_STR(all)		2118	-18.79	15.71	-7.55	-33.36	8.63	0.00
2123	STL ENV_STR(all)		2120	-61.27	-19.70	-4.06	84.60	-19.15	0.00
2123	STL ENV_STR(all)		2065	50.10	-28.63	14.93	71.74	18.99	0.00
2123	STL ENV_STR(all)		2064	44.10	37.98	0.13	-78.31	41.82	0.00
2123	STL ENV_STR(all)		2119	-32.93	10.43	-11.01	-50.91	3.55	0.00
2124	STL ENV_STR(all)		1636	-116.96	-47.03	-0.27	80.12	-16.45	0.00
2124	STL ENV_STR(all)		1585	51.93	-9.28	9.08	97.67	28.22	0.00
2124	STL ENV_STR(all)		2065	102.21	63.50	1.78	-82.82	32.57	0.00
2124	STL ENV_STR(all)		2120	-37.18	-7.11	-10.60	-72.97	-11.69	0.00
2125	STL ENV_STR(all)		1631	-71.72	-8.52	-4.38	45.41	-8.90	0.00
2125	STL ENV_STR(all)		1636	18.15	28.97	2.80	57.04	16.45	0.00
2125	STL ENV_STR(all)		2120	66.59	15.71	6.19	-58.80	21.53	0.00
2125	STL ENV_STR(all)		2121	-13.02	-36.08	-4.61	-47.57	-2.06	0.00
2126	STL ENV_STR(all)		2121	-30.28	25.93	-7.89	59.62	-13.88	0.00
2126	STL ENV_STR(all)		2120	31.85	11.10	8.46	47.18	9.31	0.00
2126	STL ENV_STR(all)		2119	19.06	-12.37	4.20	-65.85	32.77	0.00
2126	STL ENV_STR(all)		2122	-20.64	-24.58	-4.78	-39.47	9.80	0.00
2127	STL ENV_STR(all)		2122	11.13	52.04	-2.76	65.64	-26.31	0.00
2127	STL ENV_STR(all)		2119	28.60	2.16	5.15	36.94	-4.92	0.00
2127	STL ENV_STR(all)		2118	-21.92	-35.22	0.51	-65.66	34.95	0.00
2127	STL ENV_STR(all)		2123	-17.81	-18.90	-2.90	-30.86	13.21	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2128	STL ENV_STR(all)		2123	46.79	86.65	0.85	65.68	-30.58	0.00
2128	STL ENV_STR(all)		2118	19.69	3.85	3.55	29.75	-11.01	0.00
2128	STL ENV_STR(all)		2117	-53.06	-59.20	-2.88	-59.78	31.66	0.00
2128	STL ENV_STR(all)		2124	-13.41	-31.22	-1.52	-24.46	11.80	0.00
2129	STL ENV_STR(all)		1626	-20.54	26.05	-9.54	16.92	0.46	0.00
2129	STL ENV_STR(all)		1631	5.38	36.25	0.41	24.94	8.90	0.00
2129	STL ENV_STR(all)		2121	21.57	-23.57	9.47	-37.56	14.46	0.00
2129	STL ENV_STR(all)		2125	-6.41	-38.65	-0.34	-27.06	5.82	0.00
2130	STL ENV_STR(all)		2125	9.65	68.05	-7.02	40.17	-11.89	0.00
2130	STL ENV_STR(all)		2121	21.72	33.71	3.04	25.52	1.47	0.00
2130	STL ENV_STR(all)		2122	-18.11	-59.81	5.79	-52.73	25.48	0.00
2130	STL ENV_STR(all)		2126	-13.26	-41.87	-1.81	-22.80	11.39	0.00
2131	STL ENV_STR(all)		1625	10.31	32.65	-4.09	-2.75	-0.00	0.00
2131	STL ENV_STR(all)		1626	10.89	28.90	-5.41	3.02	-0.46	0.00
2131	STL ENV_STR(all)		2125	-11.04	-31.56	5.54	-15.58	2.60	0.00
2131	STL ENV_STR(all)		2127	-10.15	-29.92	3.96	-8.37	4.17	0.00
2132	STL ENV_STR(all)		2126	31.22	73.94	-0.32	38.96	-18.01	0.00
2132	STL ENV_STR(all)		2122	27.62	32.35	1.75	26.56	-8.97	0.00
2132	STL ENV_STR(all)		2123	-37.73	-56.45	0.20	-40.04	19.26	0.00
2132	STL ENV_STR(all)		2128	-21.11	-49.77	-1.62	-21.77	11.04	0.00
2133	STL ENV_STR(all)		2129	17.50	34.77	3.72	16.49	-7.87	0.00
2133	STL ENV_STR(all)		2116	3.36	-13.37	1.39	4.14	-3.81	0.00
2133	STL ENV_STR(all)		2115	-20.86	-21.38	-5.11	-7.80	6.04	0.00
2134	STL ENV_STR(all)		2128	21.11	49.77	1.62	21.77	-11.04	0.00
2134	STL ENV_STR(all)		2123	8.75	-11.30	1.85	5.22	-1.89	0.00
2134	STL ENV_STR(all)		2124	-29.86	-38.45	-3.47	-18.24	10.44	0.00
2135	STL ENV_STR(all)		2127	10.15	29.92	-3.96	8.37	-4.17	0.00
2135	STL ENV_STR(all)		2125	7.80	2.17	1.82	2.48	3.47	0.00
2135	STL ENV_STR(all)		2126	-17.95	-32.07	2.13	-16.16	6.62	0.00
2136	STL ENV_STR(all)		2124	43.28	69.67	4.99	42.69	-22.24	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2136	STL ENV_STR(all)		2117	19.44	10.54	3.24	25.22	-12.57	0.00
2136	STL ENV_STR(all)		2116	-45.21	-45.38	-4.52	-30.61	17.36	0.00
2136	STL ENV_STR(all)		2129	-17.50	-34.77	-3.72	-16.49	7.87	0.00
2137	STL ENV_STR(all)		1424	272.88	123.24	175.60	51.83	-92.82	0.00
2137	STL ENV_STR(all)		2130	-936.92	793.65	14.96	24.76	-74.98	0.00
2137	STL ENV_STR(all)		1223	-499.51	-129.91	-142.94	187.25	-70.40	0.00
2137	STL ENV_STR(all)		1220	1163.55	-786.91	-47.63	214.89	-80.28	0.00
2138	STL ENV_STR(all)		2130	182.20	50.14	33.58	-47.72	65.87	0.00
2138	STL ENV_STR(all)		2131	-842.64	626.78	30.57	-67.12	-43.37	0.00
2138	STL ENV_STR(all)		1226	-312.42	33.46	-5.68	127.77	-29.23	0.00
2138	STL ENV_STR(all)		1223	972.85	-710.31	-58.46	149.06	70.40	0.00
2139	STL ENV_STR(all)		2131	178.05	-16.11	16.98	-79.78	26.96	0.00
2139	STL ENV_STR(all)		2132	-633.89	431.06	2.08	-98.49	-64.58	0.00
2139	STL ENV_STR(all)		1227	-268.33	24.60	-24.36	111.54	-46.21	0.00
2139	STL ENV_STR(all)		1226	724.18	-439.47	5.30	115.46	29.23	0.00
2140	STL ENV_STR(all)		2132	128.27	-20.01	41.55	-57.51	28.33	0.00
2140	STL ENV_STR(all)		2133	-435.96	229.04	41.85	-83.76	-88.92	0.00
2140	STL ENV_STR(all)		1228	-231.04	78.51	-69.74	172.25	-54.48	0.00
2140	STL ENV_STR(all)		1227	538.74	-287.47	-13.66	178.15	46.21	0.00
2141	STL ENV_STR(all)		1219	-55.65	41.73	1.13	-14.91	-74.78	0.00
2141	STL ENV_STR(all)		2134	-716.69	819.68	-47.83	-16.10	-29.60	0.00
2141	STL ENV_STR(all)		2130	-43.79	-47.55	-43.66	-31.60	-27.48	0.00
2141	STL ENV_STR(all)		1424	816.13	-813.79	90.36	-51.71	-94.75	0.00
2142	STL ENV_STR(all)		2134	-81.43	16.05	30.34	6.80	-1.62	0.00
2142	STL ENV_STR(all)		2135	-698.99	749.51	2.98	-27.26	-62.95	0.00
2142	STL ENV_STR(all)		2131	-18.08	30.75	-28.44	51.45	-33.36	0.00
2142	STL ENV_STR(all)		2130	798.51	-796.24	-4.88	54.56	36.59	0.00
2143	STL ENV_STR(all)		2135	-73.56	-36.69	24.48	-6.98	26.67	0.00
2143	STL ENV_STR(all)		2136	-604.74	608.41	19.06	-43.00	-60.98	0.00
2143	STL ENV_STR(all)		2132	-4.36	69.77	-24.42	65.31	-26.59	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2143	STL ENV_STR(all)		2131	682.67	-641.42	-19.12	95.46	49.77	0.00
2144	STL ENV_STR(all)		2136	-74.76	-67.29	11.28	-10.82	25.97	0.00
2144	STL ENV_STR(all)		2137	-473.48	442.58	18.43	-44.45	-50.86	0.00
2144	STL ENV_STR(all)		2133	38.24	105.60	-10.50	40.34	-16.05	0.00
2144	STL ENV_STR(all)		2132	509.99	-480.82	-19.21	90.70	62.83	0.00
2145	STL ENV_STR(all)		1358	-219.19	16.10	0.05	-2.61	-7.49	0.00
2145	STL ENV_STR(all)		2138	-587.64	826.14	-13.34	-25.85	-29.67	0.00
2145	STL ENV_STR(all)		2134	157.91	-19.41	-1.88	-17.51	4.31	0.00
2145	STL ENV_STR(all)		1219	648.91	-822.76	15.17	15.24	-2.83	0.00
2146	STL ENV_STR(all)		2138	-232.47	1.47	2.95	11.42	-9.55	0.00
2146	STL ENV_STR(all)		2139	-582.56	792.36	-4.82	-28.81	-54.05	0.00
2146	STL ENV_STR(all)		2135	174.82	22.56	-17.51	-11.48	-16.50	0.00
2146	STL ENV_STR(all)		2134	640.21	-816.31	19.38	26.82	26.91	0.00
2147	STL ENV_STR(all)		2139	-224.48	-33.44	10.24	20.58	8.27	0.00
2147	STL ENV_STR(all)		2140	-544.49	703.20	11.55	-19.16	-46.86	0.00
2147	STL ENV_STR(all)		2136	171.23	65.68	-11.84	9.91	-12.15	0.00
2147	STL ENV_STR(all)		2135	597.74	-735.38	-9.94	45.72	52.78	0.00
2148	STL ENV_STR(all)		2140	-188.26	-45.50	8.80	16.29	15.23	0.00
2148	STL ENV_STR(all)		2141	-464.17	580.13	16.88	-10.52	-30.22	0.00
2148	STL ENV_STR(all)		2137	144.16	72.25	-7.19	16.84	-5.34	0.00
2148	STL ENV_STR(all)		2136	508.26	-606.80	-18.49	43.92	47.15	0.00
2149	STL ENV_STR(all)		1218	-320.23	10.74	-20.20	-12.45	38.67	0.00
2149	STL ENV_STR(all)		2142	-498.70	824.83	-1.79	-30.86	-41.06	0.00
2149	STL ENV_STR(all)		2138	278.75	-5.94	12.11	-12.05	-10.85	0.00
2149	STL ENV_STR(all)		1358	540.17	-829.55	9.87	2.99	41.50	0.00
2150	STL ENV_STR(all)		2142	-329.68	-8.60	-8.55	14.84	9.83	0.00
2150	STL ENV_STR(all)		2143	-500.70	811.60	7.50	-23.67	-37.27	0.00
2150	STL ENV_STR(all)		2139	289.02	18.73	2.79	-17.42	5.80	0.00
2150	STL ENV_STR(all)		2138	541.35	-821.66	-1.73	26.49	50.07	0.00
2151	STL ENV_STR(all)		2143	-320.07	-15.52	1.57	29.63	-1.46	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2151	STL ENV_STR(all)		2144	-473.23	761.78	12.49	-4.22	-24.66	0.00
2151	STL ENV_STR(all)		2140	275.28	31.46	-5.85	-12.86	5.60	0.00
2151	STL ENV_STR(all)		2139	518.02	-777.65	-8.21	25.65	39.98	0.00
2152	STL ENV_STR(all)		2144	-272.51	2.62	6.81	34.25	0.28	0.00
2152	STL ENV_STR(all)		2145	-414.14	671.23	16.24	17.95	-9.36	0.00
2152	STL ENV_STR(all)		2141	229.18	15.37	-8.56	-7.36	4.89	0.00
2152	STL ENV_STR(all)		2140	457.48	-689.16	-14.49	15.73	26.03	0.00
2153	STL ENV_STR(all)		1412	-389.04	3.35	-32.20	-23.19	83.50	0.00
2153	STL ENV_STR(all)		2146	-425.13	808.11	12.41	-32.80	-51.83	0.00
2153	STL ENV_STR(all)		2142	358.35	6.08	23.05	-3.67	-25.73	0.00
2153	STL ENV_STR(all)		1218	455.82	-817.46	-3.26	12.79	85.13	0.00
2154	STL ENV_STR(all)		2146	-413.32	-24.53	-15.09	20.09	22.85	0.00
2154	STL ENV_STR(all)		2147	-433.59	830.58	18.84	-11.27	-20.17	0.00
2154	STL ENV_STR(all)		2143	376.90	16.32	8.96	-16.04	12.56	0.00
2154	STL ENV_STR(all)		2142	470.02	-822.31	-12.71	19.69	56.95	0.00
2155	STL ENV_STR(all)		2147	-406.51	8.37	-3.85	38.13	-2.77	0.00
2155	STL ENV_STR(all)		2148	-397.62	816.28	22.96	21.70	9.66	0.00
2155	STL ENV_STR(all)		2144	360.27	-12.18	-1.08	-18.76	24.36	0.00
2155	STL ENV_STR(all)		2143	443.87	-812.40	-18.03	10.08	26.17	0.00
2156	STL ENV_STR(all)		2148	-343.21	71.73	8.02	49.22	-10.09	0.00
2156	STL ENV_STR(all)		2149	-337.40	742.59	18.70	54.23	20.74	0.00
2156	STL ENV_STR(all)		2145	295.14	-62.03	-8.50	-22.05	17.19	0.00
2156	STL ENV_STR(all)		2144	385.47	-752.23	-18.22	-11.27	0.03	0.00
2157	STL ENV_STR(all)		1217	-454.47	-35.39	-34.49	1.45	125.65	0.00
2157	STL ENV_STR(all)		2150	-351.34	767.15	34.70	-26.96	-52.90	0.00
2157	STL ENV_STR(all)		2146	426.69	38.71	31.82	5.01	-30.64	0.00
2157	STL ENV_STR(all)		1412	379.11	-770.41	-32.03	23.45	126.49	0.00
2158	STL ENV_STR(all)		2150	-515.87	-62.90	-32.35	22.14	40.16	0.00
2158	STL ENV_STR(all)		2151	-369.36	864.42	44.78	16.90	25.91	0.00
2158	STL ENV_STR(all)		2147	473.46	20.84	16.72	-12.50	30.63	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2158	STL ENV_STR(all)		2146	411.77	-822.29	-29.14	7.69	59.62	0.00
2159	STL ENV_STR(all)		2151	-505.16	44.78	8.21	58.96	-15.35	0.00
2159	STL ENV_STR(all)		2152	-309.95	887.52	30.66	78.14	47.24	0.00
2159	STL ENV_STR(all)		2148	448.47	-72.44	-7.17	-21.99	36.94	0.00
2159	STL ENV_STR(all)		2147	366.64	-859.79	-31.70	-14.36	-7.69	0.00
2160	STL ENV_STR(all)		2152	-401.64	173.27	16.88	77.29	-18.87	0.00
2160	STL ENV_STR(all)		2153	-240.79	807.58	21.00	106.73	49.68	0.00
2160	STL ENV_STR(all)		2149	350.07	-165.21	-14.06	-37.00	24.92	0.00
2160	STL ENV_STR(all)		2148	292.36	-815.58	-23.81	-48.92	-36.52	0.00
2161	STL ENV_STR(all)		1346	-566.00	-144.34	-135.56	-62.68	233.90	0.00
2161	STL ENV_STR(all)		2154	-244.45	691.55	111.93	-10.21	37.72	0.00
2161	STL ENV_STR(all)		2150	521.44	119.12	72.66	17.00	-1.60	0.00
2161	STL ENV_STR(all)		1217	289.01	-666.26	-49.04	-1.27	193.60	0.00
2162	STL ENV_STR(all)		2154	-680.42	-131.26	5.20	80.10	17.83	0.00
2162	STL ENV_STR(all)		2155	-274.24	932.26	74.48	139.11	90.97	0.00
2162	STL ENV_STR(all)		2151	608.90	22.43	-4.67	-4.85	53.73	0.00
2162	STL ENV_STR(all)		2150	345.76	-823.36	-75.01	-12.18	14.34	0.00
2163	STL ENV_STR(all)		2155	-592.76	136.68	29.93	125.41	-15.89	0.00
2163	STL ENV_STR(all)		2156	-202.32	975.62	41.07	172.89	86.17	0.00
2163	STL ENV_STR(all)		2152	529.46	-180.60	-22.68	-46.47	41.78	0.00
2163	STL ENV_STR(all)		2151	265.63	-931.63	-48.32	-71.02	-64.29	0.00
2164	STL ENV_STR(all)		2156	-402.87	329.43	21.52	125.51	-26.36	0.00
2164	STL ENV_STR(all)		2157	-148.04	857.27	24.05	171.54	73.88	0.00
2164	STL ENV_STR(all)		2153	368.78	-306.43	-20.72	-71.22	32.10	0.00
2164	STL ENV_STR(all)		2152	182.14	-880.20	-24.86	-108.96	-70.15	0.00
2165	STL ENV_STR(all)		1208	-960.27	-334.84	107.74	346.75	119.34	0.00
2165	STL ENV_STR(all)		1209	186.55	537.20	218.78	356.53	101.74	0.00
2165	STL ENV_STR(all)		2154	736.54	236.74	-39.51	50.94	79.82	0.00
2165	STL ENV_STR(all)		1346	37.18	-439.04	-287.01	62.76	148.57	0.00
2166	STL ENV_STR(all)		1209	-794.39	-112.78	135.64	264.72	-101.74	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2166	STL ENV_STR(all)		1210	-115.56	981.38	14.55	315.88	59.78	0.00
2166	STL ENV_STR(all)		2155	721.62	-71.50	-72.56	-82.42	33.44	0.00
2166	STL ENV_STR(all)		2154	188.33	-797.03	-77.63	-120.82	-135.37	0.00
2167	STL ENV_STR(all)		1210	-475.59	354.53	55.01	215.10	-59.78	0.00
2167	STL ENV_STR(all)		1211	-167.50	1024.77	16.78	272.90	71.34	0.00
2167	STL ENV_STR(all)		2156	497.72	-381.80	-39.95	-124.53	39.62	0.00
2167	STL ENV_STR(all)		2155	145.37	-997.43	-31.84	-182.10	-108.52	0.00
2168	STL ENV_STR(all)		1211	-267.26	514.87	51.25	215.91	-71.34	0.00
2168	STL ENV_STR(all)		1212	-141.30	876.74	8.44	242.90	60.06	0.00
2168	STL ENV_STR(all)		2157	301.08	-468.29	-37.05	-134.37	39.45	0.00
2168	STL ENV_STR(all)		2156	107.48	-923.24	-22.64	-173.86	-99.43	0.00
2169	STL ENV_STR(all)		2158	425.14	221.32	41.11	-82.24	86.77	0.00
2169	STL ENV_STR(all)		2159	-131.98	-13.10	40.47	-56.54	-28.05	0.00
2169	STL ENV_STR(all)		1222	-529.93	-279.86	-13.72	174.73	-45.71	0.00
2169	STL ENV_STR(all)		1221	236.77	71.71	-67.86	168.62	53.02	0.00
2170	STL ENV_STR(all)		2159	624.16	424.49	2.25	-96.86	63.52	0.00
2170	STL ENV_STR(all)		2160	-181.16	-9.54	16.61	-78.70	-26.83	0.00
2170	STL ENV_STR(all)		1224	-715.82	-433.23	5.26	113.93	-28.81	0.00
2170	STL ENV_STR(all)		1222	272.82	18.34	-24.12	109.86	45.71	0.00
2171	STL ENV_STR(all)		2160	834.73	621.76	30.70	-66.32	42.90	0.00
2171	STL ENV_STR(all)		2161	-185.13	55.65	33.28	-47.14	-65.89	0.00
2171	STL ENV_STR(all)		1225	-965.93	-705.02	-58.56	148.31	-70.47	0.00
2171	STL ENV_STR(all)		1224	316.33	27.67	-5.42	126.76	28.81	0.00
2172	STL ENV_STR(all)		2161	931.09	789.37	14.94	25.09	74.84	0.00
2172	STL ENV_STR(all)		1424	-275.85	127.46	175.53	51.96	92.87	0.00
2172	STL ENV_STR(all)		1220	-1158.45	-782.35	-47.37	214.68	80.77	0.00
2172	STL ENV_STR(all)		1225	503.21	-134.41	-143.10	186.77	70.47	0.00
2173	STL ENV_STR(all)		2162	459.85	434.31	18.20	-43.55	49.51	0.00
2173	STL ENV_STR(all)		2163	74.65	-60.22	10.94	-10.89	-25.62	0.00
2173	STL ENV_STR(all)		2159	-497.77	-474.16	-18.95	88.91	-61.54	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2173	STL ENV_STR(all)		2158	-36.73	100.14	-10.19	39.87	15.63	0.00
2174	STL ENV_STR(all)		2163	593.00	604.08	18.96	-42.16	59.67	0.00
2174	STL ENV_STR(all)		2164	73.96	-29.57	24.04	-6.90	-26.71	0.00
2174	STL ENV_STR(all)		2160	-672.56	-637.22	-19.23	94.01	-49.24	0.00
2174	STL ENV_STR(all)		2159	5.59	62.77	-23.77	64.49	26.07	0.00
2175	STL ENV_STR(all)		2164	690.76	747.17	3.05	-26.59	62.15	0.00
2175	STL ENV_STR(all)		2165	81.55	21.23	29.99	6.76	1.38	0.00
2175	STL ENV_STR(all)		2161	-791.29	-793.33	-4.95	53.69	-36.39	0.00
2175	STL ENV_STR(all)		2160	18.98	25.00	-28.09	51.01	33.17	0.00
2176	STL ENV_STR(all)		2165	711.93	817.49	-47.67	-15.79	29.12	0.00
2176	STL ENV_STR(all)		1219	54.06	44.91	0.80	-15.20	74.04	0.00
2176	STL ENV_STR(all)		1424	-811.32	-810.64	90.13	-52.08	94.60	0.00
2176	STL ENV_STR(all)		2161	45.33	-51.69	-43.27	-31.64	27.44	0.00
2177	STL ENV_STR(all)		2166	446.74	573.45	16.71	-10.11	29.16	0.00
2177	STL ENV_STR(all)		2167	191.85	-36.41	8.63	15.90	-14.97	0.00
2177	STL ENV_STR(all)		2163	-493.20	-602.06	-18.30	43.08	-46.01	0.00
2177	STL ENV_STR(all)		2162	-145.38	65.10	-7.04	16.80	5.14	0.00
2178	STL ENV_STR(all)		2167	531.59	702.81	11.46	-18.72	45.82	0.00
2178	STL ENV_STR(all)		2168	229.48	-25.96	10.01	20.18	-8.26	0.00
2178	STL ENV_STR(all)		2164	-586.62	-734.98	-9.87	44.86	-51.93	0.00
2178	STL ENV_STR(all)		2163	-174.45	58.20	-11.60	9.96	11.96	0.00
2179	STL ENV_STR(all)		2168	575.20	794.60	-4.80	-28.40	53.23	0.00
2179	STL ENV_STR(all)		2169	236.86	5.40	2.72	11.03	9.20	0.00
2179	STL ENV_STR(all)		2165	-633.97	-817.30	19.30	26.18	-26.48	0.00
2179	STL ENV_STR(all)		2164	-178.10	17.37	-17.22	-11.38	16.49	0.00
2180	STL ENV_STR(all)		2169	585.48	828.11	-13.18	-25.53	29.22	0.00
2180	STL ENV_STR(all)		1358	221.28	16.42	-0.16	-3.05	6.71	0.00
2180	STL ENV_STR(all)		1219	-647.25	-823.04	14.96	14.88	2.73	0.00
2180	STL ENV_STR(all)		2165	-159.51	-21.42	-1.62	-17.15	-4.02	0.00
2181	STL ENV_STR(all)		2170	393.55	669.60	16.12	17.99	8.45	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2181	STL ENV_STR(all)		2171	281.16	14.69	6.67	33.62	-0.10	0.00
2181	STL ENV_STR(all)		2167	-439.60	-689.29	-14.39	15.33	-25.14	0.00
2181	STL ENV_STR(all)		2166	-235.11	5.07	-8.40	-6.99	-5.08	0.00
2182	STL ENV_STR(all)		2171	460.62	768.07	12.43	-4.08	23.83	0.00
2182	STL ENV_STR(all)		2172	330.39	-7.69	1.43	29.09	1.45	0.00
2182	STL ENV_STR(all)		2168	-507.17	-783.21	-8.16	25.23	-39.24	0.00
2182	STL ENV_STR(all)		2167	-283.84	22.90	-5.70	-12.51	-5.71	0.00
2183	STL ENV_STR(all)		2172	495.78	820.29	7.51	-23.43	36.60	0.00
2183	STL ENV_STR(all)		2173	339.11	-6.52	-8.68	14.36	-10.15	0.00
2183	STL ENV_STR(all)		2169	-537.38	-828.27	-1.79	26.10	-49.64	0.00
2183	STL ENV_STR(all)		2168	-297.51	14.57	2.96	-17.02	-5.72	0.00
2184	STL ENV_STR(all)		2173	500.07	831.98	-1.71	-30.59	40.68	0.00
2184	STL ENV_STR(all)		1218	326.70	7.42	-20.30	-12.89	-39.29	0.00
2184	STL ENV_STR(all)		1358	-541.81	-834.10	9.76	2.66	-41.44	0.00
2184	STL ENV_STR(all)		2169	-284.96	-5.24	12.25	-11.60	11.22	0.00
2185	STL ENV_STR(all)		2174	316.83	750.58	18.60	53.95	-21.42	0.00
2185	STL ENV_STR(all)		2175	357.32	86.93	7.96	48.55	10.35	0.00
2185	STL ENV_STR(all)		2171	-367.04	-760.97	-18.13	-11.26	0.73	0.00
2185	STL ENV_STR(all)		2170	-307.11	-76.46	-8.43	-21.46	-17.39	0.00
2186	STL ENV_STR(all)		2175	388.40	832.02	22.91	21.62	-10.28	0.00
2186	STL ENV_STR(all)		2176	421.85	16.01	-3.94	37.60	2.79	0.00
2186	STL ENV_STR(all)		2172	-435.51	-826.17	-17.99	9.95	-25.59	0.00
2186	STL ENV_STR(all)		2171	-374.74	-21.79	-0.98	-18.27	-24.46	0.00
2187	STL ENV_STR(all)		2176	433.21	846.93	18.83	-11.19	19.70	0.00
2187	STL ENV_STR(all)		2177	427.30	-24.88	-15.15	19.66	-23.08	0.00
2187	STL ENV_STR(all)		2173	-469.84	-835.56	-12.73	19.48	-56.58	0.00
2187	STL ENV_STR(all)		2172	-390.67	13.58	9.05	-15.60	-12.47	0.00
2188	STL ENV_STR(all)		2177	430.97	821.03	12.44	-32.62	51.55	0.00
2188	STL ENV_STR(all)		1412	400.13	-4.12	-32.25	-23.55	-83.96	0.00
2188	STL ENV_STR(all)		1218	-461.78	-826.93	-3.31	12.54	-85.01	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2188	STL ENV_STR(all)		2173	-369.33	10.10	23.12	-3.25	26.06	0.00
2189	STL ENV_STR(all)		2178	227.20	829.85	20.95	106.25	-50.10	0.00
2189	STL ENV_STR(all)		2179	418.91	190.47	16.86	76.81	19.20	0.00
2189	STL ENV_STR(all)		2175	-278.40	-836.46	-23.75	-48.61	37.04	0.00
2189	STL ENV_STR(all)		2174	-367.70	-183.78	-14.05	-36.42	-25.23	0.00
2190	STL ENV_STR(all)		2179	308.73	913.96	30.62	77.92	-47.62	0.00
2190	STL ENV_STR(all)		2180	522.77	51.38	8.16	58.56	15.43	0.00
2190	STL ENV_STR(all)		2176	-364.19	-882.79	-31.66	-14.29	8.08	0.00
2190	STL ENV_STR(all)		2175	-467.31	-82.48	-7.12	-21.56	-37.10	0.00
2191	STL ENV_STR(all)		2180	375.56	888.05	44.76	16.87	-26.20	0.00
2191	STL ENV_STR(all)		2181	532.29	-65.92	-32.40	21.80	-40.32	0.00
2191	STL ENV_STR(all)		2177	-416.98	-841.90	-29.13	7.62	-59.38	0.00
2191	STL ENV_STR(all)		2176	-490.87	19.85	16.77	-12.12	-30.58	0.00
2192	STL ENV_STR(all)		2181	361.99	784.85	34.69	-26.86	52.75	0.00
2192	STL ENV_STR(all)		1217	468.55	-46.35	-34.50	1.17	-125.97	0.00
2192	STL ENV_STR(all)		1412	-389.25	-784.20	-32.04	23.29	-126.39	0.00
2192	STL ENV_STR(all)		2177	-441.29	45.76	31.85	5.34	30.90	0.00
2193	STL ENV_STR(all)		2182	151.44	894.97	24.04	171.05	-73.97	0.00
2193	STL ENV_STR(all)		2183	415.78	346.82	21.52	125.34	26.71	0.00
2193	STL ENV_STR(all)		2179	-180.15	-913.91	-24.83	-108.53	70.37	0.00
2193	STL ENV_STR(all)		2178	-387.07	-327.81	-20.73	-70.90	-32.55	0.00
2194	STL ENV_STR(all)		2183	213.29	1010.45	41.03	172.65	-86.30	0.00
2194	STL ENV_STR(all)		2184	606.67	142.09	29.91	125.19	15.97	0.00
2194	STL ENV_STR(all)		2180	-272.48	-961.95	-48.29	-70.85	64.47	0.00
2194	STL ENV_STR(all)		2179	-547.49	-190.53	-22.65	-46.20	-41.96	0.00
2195	STL ENV_STR(all)		2184	287.69	960.19	74.44	139.01	-91.10	0.00
2195	STL ENV_STR(all)		2185	694.98	-135.58	5.17	79.83	-17.94	0.00
2195	STL ENV_STR(all)		2181	-356.83	-847.07	-74.98	-12.16	-14.23	0.00
2195	STL ENV_STR(all)		2180	-625.85	22.52	-4.63	-4.58	-53.70	0.00
2196	STL ENV_STR(all)		2185	257.59	711.74	111.91	-10.23	-37.76	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2196	STL ENV_STR(all)		1346	582.06	-157.34	-135.57	-62.88	-234.15	0.00
2196	STL ENV_STR(all)		1217	-302.20	-682.47	-49.02	-1.35	-193.59	0.00
2196	STL ENV_STR(all)		2181	-537.45	128.14	72.69	17.22	1.80	0.00
2197	STL ENV_STR(all)		1285	166.69	922.59	8.62	242.63	-60.18	0.00
2197	STL ENV_STR(all)		1286	263.54	533.89	51.04	215.89	71.34	0.00
2197	STL ENV_STR(all)		2183	-122.89	-963.95	-22.69	-173.56	99.31	0.00
2197	STL ENV_STR(all)		2182	-307.35	-492.45	-36.97	-134.40	-39.90	0.00
2198	STL ENV_STR(all)		1286	190.22	1061.57	16.75	272.60	-71.34	0.00
2198	STL ENV_STR(all)		1287	478.16	361.44	54.90	214.86	59.73	0.00
2198	STL ENV_STR(all)		2184	-162.19	-1029.63	-31.79	-181.95	108.50	0.00
2198	STL ENV_STR(all)		2183	-506.19	-393.31	-39.86	-124.43	-39.73	0.00
2199	STL ENV_STR(all)		1287	134.13	1008.41	14.44	315.70	-59.73	0.00
2199	STL ENV_STR(all)		1288	801.69	-115.88	135.71	264.57	101.78	0.00
2199	STL ENV_STR(all)		2185	-203.64	-819.80	-77.59	-120.72	135.44	0.00
2199	STL ENV_STR(all)		2184	-732.18	-72.65	-72.56	-82.24	-33.38	0.00
2200	STL ENV_STR(all)		1288	-173.18	554.04	218.88	356.49	-101.78	0.00
2200	STL ENV_STR(all)		1208	970.65	-344.93	107.67	346.67	-119.60	0.00
2200	STL ENV_STR(all)		1346	-48.54	-452.69	-287.07	62.80	-148.72	0.00
2200	STL ENV_STR(all)		2185	-748.93	243.64	-39.49	51.12	-79.75	0.00
2201	STL ENV_STR(all)		2186	99.81	20.90	11.58	-97.85	53.40	0.00
2201	STL ENV_STR(all)		2158	-73.46	-37.50	11.94	-22.04	-20.46	0.00
2201	STL ENV_STR(all)		1221	-17.97	11.19	-16.78	176.60	-53.02	0.00
2201	STL ENV_STR(all)		2187	-8.39	5.48	-6.74	2.06	7.87	0.00
2202	STL ENV_STR(all)		2188	285.88	275.51	25.26	-37.00	24.57	0.00
2202	STL ENV_STR(all)		2162	42.51	-44.40	-1.42	-7.41	-29.50	0.00
2202	STL ENV_STR(all)		2158	-314.95	-283.96	-42.86	64.40	-81.93	0.00
2202	STL ENV_STR(all)		2186	-13.44	52.92	19.01	40.65	-25.19	0.00
2203	STL ENV_STR(all)		2189	331.03	443.90	13.01	-1.21	22.71	0.00
2203	STL ENV_STR(all)		2166	135.29	-11.22	9.33	16.03	-8.93	0.00
2203	STL ENV_STR(all)		2162	-356.97	-455.01	-9.74	34.15	-25.15	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2203	STL ENV_STR(all)		2188	-109.36	22.39	-12.59	8.84	8.39	0.00
2204	STL ENV_STR(all)		2190	309.30	551.45	16.18	37.04	-0.52	0.00
2204	STL ENV_STR(all)		2170	201.03	57.07	8.48	37.68	-4.44	0.00
2204	STL ENV_STR(all)		2166	-346.92	-567.30	-17.64	1.06	-15.15	0.00
2204	STL ENV_STR(all)		2189	-163.41	-41.15	-7.02	-11.47	-4.78	0.00
2205	STL ENV_STR(all)		2191	243.81	630.18	15.51	76.59	-23.97	0.00
2205	STL ENV_STR(all)		2174	253.55	152.94	11.63	55.94	4.00	0.00
2205	STL ENV_STR(all)		2170	-287.47	-650.21	-16.17	-34.21	13.39	0.00
2205	STL ENV_STR(all)		2190	-209.90	-132.85	-10.97	-27.40	-6.48	0.00
2206	STL ENV_STR(all)		2192	163.44	689.13	14.22	118.45	-46.25	0.00
2206	STL ENV_STR(all)		2178	282.38	274.03	16.24	80.95	13.89	0.00
2206	STL ENV_STR(all)		2174	-202.68	-719.74	-16.18	-73.47	42.66	0.00
2206	STL ENV_STR(all)		2191	-243.14	-243.35	-14.28	-46.79	-11.38	0.00
2207	STL ENV_STR(all)		2193	108.47	730.65	12.81	164.30	-58.96	0.00
2207	STL ENV_STR(all)		2182	256.25	411.47	24.80	125.55	29.73	0.00
2207	STL ENV_STR(all)		2178	-122.51	-776.06	-16.45	-116.30	68.76	0.00
2207	STL ENV_STR(all)		2192	-242.21	-365.98	-21.15	-77.16	-19.34	0.00
2208	STL ENV_STR(all)		1292	132.37	757.41	5.79	205.00	-51.50	0.00
2208	STL ENV_STR(all)		1285	155.07	526.67	35.86	192.22	60.18	0.00
2208	STL ENV_STR(all)		2182	-100.34	-813.98	-11.87	-162.20	84.13	0.00
2208	STL ENV_STR(all)		2193	-187.10	-470.03	-29.78	-129.97	-32.99	0.00
2233	STL ENV_STR(all)		2133	72.08	-40.42	12.31	-22.28	21.03	0.00
2233	STL ENV_STR(all)		2218	-108.24	29.42	11.90	-99.95	-54.75	0.00
2233	STL ENV_STR(all)		2219	7.52	6.76	-6.87	2.10	-8.05	0.00
2233	STL ENV_STR(all)		1228	28.63	4.31	-17.34	180.66	54.48	0.00
2234	STL ENV_STR(all)		2137	-44.11	-47.92	-1.46	-7.40	30.11	0.00
2234	STL ENV_STR(all)		2220	-298.07	288.86	25.68	-37.97	-25.48	0.00
2234	STL ENV_STR(all)		2218	16.54	53.35	19.44	41.28	25.67	0.00
2234	STL ENV_STR(all)		2133	325.63	-294.21	-43.66	65.70	83.94	0.00
2235	STL ENV_STR(all)		2141	-134.85	-17.67	9.50	16.49	9.13	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2235	STL ENV_STR(all)		2221	-349.84	460.17	13.09	-1.67	-23.82	0.00
2235	STL ENV_STR(all)		2220	111.27	24.48	-12.81	8.70	-8.67	0.00
2235	STL ENV_STR(all)		2137	373.42	-466.90	-9.78	35.01	26.10	0.00
2236	STL ENV_STR(all)		2145	-196.92	45.30	8.57	38.46	4.71	0.00
2236	STL ENV_STR(all)		2222	-335.71	567.34	16.33	37.10	-0.37	0.00
2236	STL ENV_STR(all)		2221	162.79	-34.75	-7.08	-11.99	4.71	0.00
2236	STL ENV_STR(all)		2141	369.84	-577.83	-17.82	1.39	16.20	0.00
2237	STL ENV_STR(all)		2149	-244.55	134.23	11.68	56.84	-3.63	0.00
2237	STL ENV_STR(all)		2223	-275.85	640.12	15.69	77.12	23.30	0.00
2237	STL ENV_STR(all)		2222	204.48	-119.77	-11.05	-28.13	6.31	0.00
2237	STL ENV_STR(all)		2145	315.93	-654.51	-16.32	-34.36	-12.55	0.00
2238	STL ENV_STR(all)		2153	-269.35	247.85	16.21	81.70	-13.32	0.00
2238	STL ENV_STR(all)		2224	-194.53	685.54	14.37	119.36	45.85	0.00
2238	STL ENV_STR(all)		2223	232.00	-221.72	-14.27	-47.60	11.06	0.00
2238	STL ENV_STR(all)		2149	231.88	-711.61	-16.31	-74.06	-42.03	0.00
2239	STL ENV_STR(all)		2157	-246.30	379.79	24.64	125.69	-28.95	0.00
2239	STL ENV_STR(all)		2225	-123.05	703.83	12.82	165.19	59.02	0.00
2239	STL ENV_STR(all)		2224	227.99	-334.55	-20.96	-77.76	18.71	0.00
2239	STL ENV_STR(all)		2153	141.37	-749.00	-16.49	-117.22	-68.46	0.00
2240	STL ENV_STR(all)		1212	-168.28	491.37	36.11	191.70	-60.06	0.00
2240	STL ENV_STR(all)		1213	-109.27	707.40	5.24	205.29	51.37	0.00
2240	STL ENV_STR(all)		2225	184.29	-429.93	-29.71	-129.87	32.03	0.00
2240	STL ENV_STR(all)		2157	93.26	-768.77	-11.64	-162.86	-84.38	0.00
2244	STL ENV_STR(all)		2222	-119.77	117.02	7.78	46.49	8.41	0.00
2244	STL ENV_STR(all)		2230	-248.28	503.14	14.26	52.16	0.32	0.00
2244	STL ENV_STR(all)		2229	101.74	-135.13	-6.09	-24.85	1.88	0.00
2244	STL ENV_STR(all)		2221	266.30	-484.96	-15.95	-16.02	11.35	0.00
2245	STL ENV_STR(all)		2223	-151.29	186.63	9.73	61.95	5.52	0.00
2245	STL ENV_STR(all)		2231	-226.78	562.23	10.25	89.39	21.38	0.00
2245	STL ENV_STR(all)		2230	127.07	-184.21	-6.92	-43.16	-2.91	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2245	STL ENV_STR(all)		2222	251.00	-564.59	-13.05	-55.46	-14.35	0.00
2246	STL ENV_STR(all)		2224	-163.53	271.23	14.59	81.01	-2.94	0.00
2246	STL ENV_STR(all)		2232	-170.40	580.56	7.34	124.94	38.58	0.00
2246	STL ENV_STR(all)		2231	138.80	-246.68	-10.78	-57.22	-3.46	0.00
2246	STL ENV_STR(all)		2223	195.14	-605.03	-11.15	-91.47	-39.89	0.00
2247	STL ENV_STR(all)		2225	-152.47	354.48	20.85	111.62	-19.51	0.00
2247	STL ENV_STR(all)		2233	-115.40	582.89	4.57	153.21	48.11	0.00
2247	STL ENV_STR(all)		2232	137.80	-315.08	-17.41	-77.00	1.35	0.00
2247	STL ENV_STR(all)		2224	130.07	-622.22	-8.00	-122.61	-61.62	0.00
2248	STL ENV_STR(all)		1213	-137.11	403.74	28.77	159.98	-51.37	0.00
2248	STL ENV_STR(all)		1214	-87.65	578.36	-0.39	171.24	42.02	0.00
2248	STL ENV_STR(all)		2233	133.54	-353.64	-24.42	-112.80	18.93	0.00
2248	STL ENV_STR(all)		2225	91.23	-628.38	-3.95	-146.94	-71.54	0.00
2255	STL ENV_STR(all)		2233	-109.97	303.61	13.30	89.38	-2.78	0.00
2255	STL ENV_STR(all)		2241	-114.80	489.12	-4.83	140.04	41.12	0.00
2255	STL ENV_STR(all)		2240	90.04	-264.41	-7.29	-77.11	-16.49	0.00
2255	STL ENV_STR(all)		2232	134.73	-528.25	-1.18	-129.96	-51.84	0.00
2256	STL ENV_STR(all)		1214	-139.74	323.32	30.28	119.44	-42.02	0.00
2256	STL ENV_STR(all)		1215	-69.90	509.37	-15.07	135.66	21.54	0.00
2256	STL ENV_STR(all)		2241	117.81	-299.77	-21.76	-86.98	-7.30	0.00
2256	STL ENV_STR(all)		2233	91.83	-532.85	6.55	-129.79	-64.26	0.00
2273	STL ENV_STR(all)		2250	15.47	-20.05	-9.22	30.06	-3.72	0.00
2273	STL ENV_STR(all)		2218	-23.00	26.82	16.09	-15.00	4.28	0.00
2273	STL ENV_STR(all)		2219	7.52	-6.76	-6.87	2.10	8.05	0.00
2274	STL ENV_STR(all)		2251	76.72	102.22	-18.32	12.69	-14.00	0.00
2274	STL ENV_STR(all)		2220	7.46	-12.63	-6.15	-0.53	11.54	0.00
2274	STL ENV_STR(all)		2218	-68.70	-109.59	15.25	-43.67	24.80	0.00
2274	STL ENV_STR(all)		2250	-15.47	20.05	9.22	-30.06	3.72	0.00
2275	STL ENV_STR(all)		2253	72.32	188.29	-15.62	-27.29	2.37	0.00
2275	STL ENV_STR(all)		2230	17.66	20.05	-5.69	-26.09	10.42	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2275	STL ENV_STR(all)		2229	-77.88	-174.86	12.72	-0.47	2.04	0.00
2275	STL ENV_STR(all)		2252	-12.10	-33.46	8.60	-0.31	2.40	0.00
2276	STL ENV_STR(all)		2254	129.27	348.91	-17.70	-75.16	17.78	0.00
2276	STL ENV_STR(all)		2231	81.92	178.41	-10.95	-60.73	12.36	0.00
2276	STL ENV_STR(all)		2230	-138.87	-338.98	13.03	35.10	-7.83	0.00
2276	STL ENV_STR(all)		2253	-72.32	-188.29	15.62	27.29	-2.37	0.00
2277	STL ENV_STR(all)		2240	160.73	483.71	-10.82	-126.35	32.47	0.00
2277	STL ENV_STR(all)		2232	102.12	262.77	-11.26	-82.03	11.91	0.00
2277	STL ENV_STR(all)		2231	-169.91	-493.95	10.42	92.90	-30.28	0.00
2277	STL ENV_STR(all)		2254	-92.95	-252.47	11.65	58.35	-11.86	0.00
2278	STL ENV_STR(all)		2256	85.24	209.98	-0.20	-70.54	23.25	0.00
2278	STL ENV_STR(all)		2241	21.77	105.81	-9.38	-35.19	1.08	0.00
2278	STL ENV_STR(all)		2240	-77.59	-218.74	2.03	58.45	-22.67	0.00
2278	STL ENV_STR(all)		2255	-29.42	-97.01	7.54	22.95	-5.92	0.00
2279	STL ENV_STR(all)		1216	-48.20	235.22	31.74	-51.84	-0.00	0.00
2279	STL ENV_STR(all)		1215	152.20	269.96	-14.72	-64.48	-21.54	0.00
2279	STL ENV_STR(all)		2241	-18.75	-295.15	-17.22	88.25	-34.89	0.00
2279	STL ENV_STR(all)		2256	-85.24	-209.98	0.20	70.54	-23.25	0.00
2280	STL ENV_STR(all)		2229	179.83	312.60	-23.02	-18.09	-9.79	0.00
2280	STL ENV_STR(all)		2221	79.26	59.54	-9.94	-29.69	7.76	0.00
2280	STL ENV_STR(all)		2220	-194.26	-300.70	19.02	-28.73	22.60	0.00
2280	STL ENV_STR(all)		2251	-64.82	-71.38	13.93	-7.57	11.99	0.00
2281	STL ENV_STR(all)		2252	12.10	33.46	-8.60	0.31	-2.40	0.00
2281	STL ENV_STR(all)		2229	-0.20	-2.62	4.21	-6.29	5.86	0.00
2281	STL ENV_STR(all)		2251	-11.89	-30.84	4.38	-5.11	2.01	0.00
2282	STL ENV_STR(all)		2255	29.42	97.01	-7.54	-22.95	5.92	0.00
2282	STL ENV_STR(all)		2240	6.90	-0.56	1.50	-9.21	6.69	0.00
2282	STL ENV_STR(all)		2254	-36.32	-96.44	6.05	16.81	-5.92	0.00
2283	STL ENV_STR(all)		1100	472.33	1288.25	73.65	45.05	140.67	0.00
2283	STL ENV_STR(all)		1123	-288.06	866.28	100.71	3.15	-122.55	0.00



Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2283	STL ENV_STR(all)		1291	-361.79	-1271.79	-42.18	385.01	-89.23	0.00
2283	STL ENV_STR(all)		2257	177.52	-882.74	-98.44	434.98	175.02	0.00
2284	STL ENV_STR(all)		1123	288.49	1095.58	82.96	57.16	104.54	0.00
2284	STL ENV_STR(all)		1122	-255.31	1075.97	96.78	14.82	-114.97	0.00
2284	STL ENV_STR(all)		1292	-243.89	-1149.11	-79.62	394.86	-90.49	0.00
2284	STL ENV_STR(all)		1291	210.71	-1022.44	-66.38	431.11	101.55	0.00
2285	STL ENV_STR(all)		1101	697.13	1833.27	131.62	82.97	66.33	0.00
2285	STL ENV_STR(all)		1100	-327.84	691.97	66.90	35.00	-155.24	0.00
2285	STL ENV_STR(all)		2257	-475.46	-1504.53	-137.36	415.91	-151.21	0.00
2285	STL ENV_STR(all)		2258	106.17	-1020.71	-27.42	467.38	21.39	0.00
2286	STL ENV_STR(all)		2257	161.42	1168.23	-184.84	-462.11	139.76	0.00
2286	STL ENV_STR(all)		1291	-177.31	1223.69	-97.63	-554.66	-49.51	0.00
2286	STL ENV_STR(all)		1124	-40.87	-1188.88	221.66	-369.25	-39.48	0.00
2286	STL ENV_STR(all)		1103	56.76	-1203.04	94.55	-263.02	217.10	0.00
2287	STL ENV_STR(all)		1291	142.92	1101.36	-199.44	-551.72	37.20	0.00
2287	STL ENV_STR(all)		1292	-241.08	1370.31	-154.52	-624.54	18.07	0.00
2287	STL ENV_STR(all)		1125	-13.70	-1154.52	272.91	-471.23	93.01	0.00
2287	STL ENV_STR(all)		1124	111.85	-1317.15	114.79	-394.67	105.39	0.00
2288	STL ENV_STR(all)		2258	-16.14	989.62	-109.66	-510.74	-21.39	0.00
2288	STL ENV_STR(all)		2257	-26.08	1216.00	-193.02	-580.75	-163.57	0.00
2288	STL ENV_STR(all)		1103	27.76	-1123.26	145.32	-381.78	-137.29	0.00
2288	STL ENV_STR(all)		1102	14.46	-1082.35	191.10	-287.13	160.77	0.00
2289	STL ENV_STR(all)		2190	-117.65	119.53	-7.73	-45.50	-8.22	0.00
2289	STL ENV_STR(all)		2198	-222.78	468.69	-14.10	-52.01	-1.19	0.00
2289	STL ENV_STR(all)		2197	96.70	-128.28	6.08	24.15	-1.76	0.00
2289	STL ENV_STR(all)		2189	243.73	-459.88	15.76	16.26	-10.29	0.00
2290	STL ENV_STR(all)		2191	-151.47	198.44	-9.73	-60.78	-5.21	0.00
2290	STL ENV_STR(all)		2199	-188.32	523.02	-10.18	-88.80	-22.05	0.00
2290	STL ENV_STR(all)		2198	122.74	-183.26	6.98	42.02	2.86	0.00
2290	STL ENV_STR(all)		2190	217.05	-538.13	12.93	55.13	15.22	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2291	STL ENV_STR(all)		2192	-165.59	295.93	-14.65	-79.78	3.53	0.00
2291	STL ENV_STR(all)		2200	-123.86	546.35	-7.16	-123.67	-38.91	0.00
2291	STL ENV_STR(all)		2199	137.31	-256.93	10.85	55.97	3.29	0.00
2291	STL ENV_STR(all)		2191	152.14	-585.28	10.97	90.58	40.56	0.00
2292	STL ENV_STR(all)		2193	-152.07	394.86	-21.36	-111.02	20.90	0.00
2292	STL ENV_STR(all)		2201	-72.25	563.54	-4.04	-151.25	-47.46	0.00
2292	STL ENV_STR(all)		2200	137.50	-339.26	17.68	76.00	-1.76	0.00
2292	STL ENV_STR(all)		2192	86.82	-619.07	7.72	121.08	62.05	0.00
2293	STL ENV_STR(all)		1292	-106.79	459.33	-28.38	-161.13	51.50	0.00
2293	STL ENV_STR(all)		1291	-89.46	595.66	-0.86	-170.43	-42.27	0.00
2293	STL ENV_STR(all)		2201	122.81	-399.43	24.85	112.53	-20.37	0.00
2293	STL ENV_STR(all)		2193	73.44	-655.48	4.39	145.35	71.04	0.00
2294	STL ENV_STR(all)		2201	-88.40	319.04	-14.12	-87.55	4.65	0.00
2294	STL ENV_STR(all)		2259	-60.73	394.48	6.03	-136.90	-39.63	0.00
2294	STL ENV_STR(all)		2260	71.40	-245.38	7.56	75.37	16.49	0.00
2294	STL ENV_STR(all)		2200	77.73	-468.08	0.53	127.82	52.26	0.00
2295	STL ENV_STR(all)		1291	-96.00	364.26	-29.96	-119.84	42.27	0.00
2295	STL ENV_STR(all)		2257	-22.96	405.86	14.43	-131.20	-20.20	0.00
2295	STL ENV_STR(all)		2259	81.12	-286.90	22.22	85.65	6.36	0.00
2295	STL ENV_STR(all)		2201	37.84	-483.15	-6.70	126.27	63.18	0.00
2304	STL ENV_STR(all)		2261	14.34	-22.35	8.97	-29.40	3.60	0.00
2304	STL ENV_STR(all)		2186	-22.73	27.85	-15.70	14.62	-4.11	0.00
2304	STL ENV_STR(all)		2187	8.39	-5.48	6.74	-2.06	-7.87	0.00
2305	STL ENV_STR(all)		2262	71.94	92.82	17.86	-12.34	13.56	0.00
2305	STL ENV_STR(all)		2188	6.05	-13.46	6.00	0.36	-11.27	0.00
2305	STL ENV_STR(all)		2186	-63.65	-101.67	-14.89	42.58	-24.10	0.00
2305	STL ENV_STR(all)		2261	-14.34	22.35	-8.97	29.40	-3.60	0.00
2306	STL ENV_STR(all)		2264	65.00	171.24	15.14	27.01	-2.58	0.00
2306	STL ENV_STR(all)		2198	16.71	20.70	5.54	25.27	-10.08	0.00
2306	STL ENV_STR(all)		2197	-70.28	-160.54	-12.36	-0.03	-1.68	0.00

Elem	Load	Step	Node	Fx (kgf)	Fy (kgf)	Fz (kgf)	Mx (kgf*cm)	My (kgf*cm)	Mz (kgf*cm)
2306	STL ENV_STR(all)		2263	-11.43	-31.38	-8.32	0.24	-2.32	0.00
2307	STL ENV_STR(all)		2265	107.14	305.53	17.03	74.16	-17.89	0.00
2307	STL ENV_STR(all)		2199	74.60	171.89	10.77	59.28	-12.07	0.00
2307	STL ENV_STR(all)		2198	-116.75	-306.13	-12.66	-35.25	8.41	0.00
2307	STL ENV_STR(all)		2264	-65.00	-171.24	-15.14	-27.01	2.58	0.00
2308	STL ENV_STR(all)		2260	113.95	402.99	10.41	124.55	-32.86	0.00
2308	STL ENV_STR(all)		2200	91.37	261.00	11.04	80.14	-11.60	0.00
2308	STL ENV_STR(all)		2199	-125.61	-437.98	-10.10	-92.11	30.83	0.00
2308	STL ENV_STR(all)		2265	-79.70	-225.94	-11.35	-57.26	11.91	0.00
2309	STL ENV_STR(all)		2267	66.75	139.94	-1.97	68.57	-22.02	0.00
2309	STL ENV_STR(all)		2259	3.24	97.30	10.51	33.54	0.81	0.00
2309	STL ENV_STR(all)		2260	-50.28	-167.27	-0.81	-57.81	22.95	0.00
2309	STL ENV_STR(all)		2266	-19.71	-69.94	-7.72	-22.67	6.06	0.00
2310	STL ENV_STR(all)		2258	-90.04	137.08	-31.10	43.36	0.00	0.00
2310	STL ENV_STR(all)		2257	139.64	207.80	11.38	60.78	20.20	0.00
2310	STL ENV_STR(all)		2259	17.15	-204.88	17.74	-84.79	32.46	0.00
2310	STL ENV_STR(all)		2267	-66.75	-139.94	1.97	-68.57	22.02	0.00
2311	STL ENV_STR(all)		2197	167.37	291.75	22.50	18.09	9.14	0.00
2311	STL ENV_STR(all)		2189	76.11	57.12	9.77	28.94	-7.63	0.00
2311	STL ENV_STR(all)		2188	-182.58	-284.44	-18.67	27.80	-21.69	0.00
2311	STL ENV_STR(all)		2262	-60.90	-64.37	-13.60	7.42	-11.63	0.00
2312	STL ENV_STR(all)		2263	11.43	31.38	8.32	-0.24	2.32	0.00
2312	STL ENV_STR(all)		2197	-0.40	-2.93	-4.06	6.09	-5.70	0.00
2312	STL ENV_STR(all)		2262	-11.04	-28.45	-4.26	4.92	-1.93	0.00
2313	STL ENV_STR(all)		2266	19.71	69.94	7.72	22.67	-6.06	0.00
2313	STL ENV_STR(all)		2260	7.73	9.66	-2.04	8.63	-6.59	0.00
2313	STL ENV_STR(all)		2265	-27.44	-79.59	-5.69	-16.90	5.98	0.00

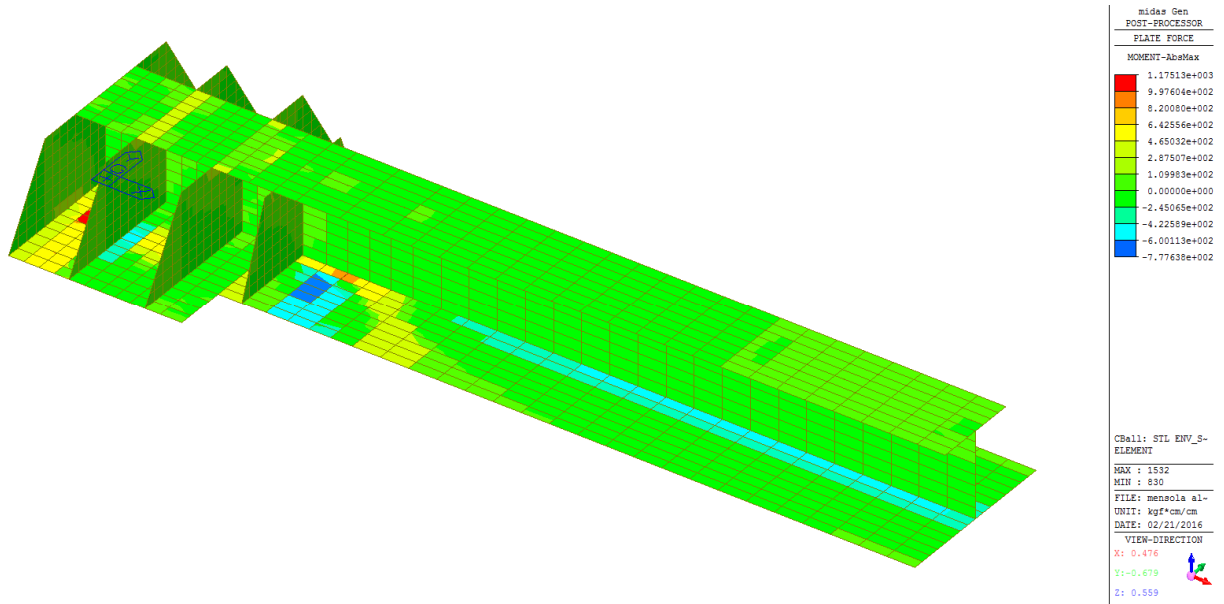


Figura 4 Momenti max

Tabella 7 tensioni max

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
13	STL ENV_STR (al l)		Cent	Top	5.60e+002	6.56e+001	5.58e+001	5.66e+002	5.94e+001	-	5.39e+002	2.83e+002
			Bot	02	1.89e+002	1.18e+002	7.88e+001	2.40e+002	6.71e+001	-	2.14e+002	1.20e+002
14	STL ENV_STR (al l)		Cent	Top	1.20e+002	1.57e+001	5.28e+001	1.42e+002	-6.26e+000	-	1.46e+002	7.43e+001
			Bot	02	1.10e+002	1.89e+002	3.27e+001	1.13e+002	1.93e+002	-	2.68e+002	1.53e+002
15	STL ENV_STR (al l)		Cent	Top	-1.62e+001	4.69e+000	5.38e+001	4.37e+001	6.46e+001	-	9.43e+001	5.41e+001
			Bot	01	1.44e+001	6.37e+001	5.90e+001	1.03e+002	2.49e+001	-	1.17e+002	6.39e+001
16	STL ENV_STR (al l)		Cent	Top	9.74e+000	4.97e+002	2.35e+001	4.98e+002	8.62e+000	-	4.94e+002	2.49e+002
			Bot	001	-1.31e-001	4.69e+002	1.14e+002	4.95e+002	2.63e+001	-	5.09e+002	2.61e+002
17	STL ENV_STR (al l)		Cent	Top	-5.50e+003	1.12e+003	5.30e+001	1.12e+003	8.00e+000	-	1.12e+003	5.64e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)				0				0			
			Bot		1.26e+001	9.70e+002	1.21e+002	9.85e+002	2.72e+001	-	9.98e+002	5.06e+002
18	STL ENV_STR(al l)		Cent	Top	2.61e+000	1.54e+003	-2.12e+001	1.54e+003	2.31e+000	-	1.54e+003	7.68e+002
			Bot		6.28e+000	1.17e+003	1.66e+001	1.17e+003	6.52e+000	-	1.17e+003	5.89e+002
19	STL ENV_STR(al l)		Cent	Top	1.40e+000	1.23e+003	1.54e+001	1.23e+003	1.59e+000	-	1.23e+003	6.15e+002
			Bot		3.46e+000	1.09e+003	2.28e+001	1.09e+003	3.93e+000	-	1.09e+003	5.46e+002
20	STL ENV_STR(al l)		Cent	Top	3.97e+002	2.15e+002	1.67e+002	4.96e+002	1.16e+002	-	4.49e+002	2.48e+002
			Bot		1.03e+002	3.56e+001	1.35e+002	1.18e+002	1.86e+002	-	2.65e+002	1.52e+002
21	STL ENV_STR(al l)		Cent	Top	2.52e+002	5.89e+002	2.68e+002	7.37e+002	1.04e+002	-	6.91e+002	3.68e+002
			Bot		1.21e+002	4.15e+002	3.51e+002	5.88e+002	2.95e+002	-	7.79e+002	4.42e+002
22	STL ENV_STR(al l)		Cent	Top	2.59e+002	1.02e+003	2.63e+002	1.07e+003	3.11e+002	-	1.26e+003	6.92e+002
			Bot		1.97e+002	1.24e+003	3.58e+002	1.35e+003	8.62e+001	-	1.31e+003	6.76e+002
23	STL ENV_STR(al l)		Cent	Top	1.86e+002	1.61e+003	1.24e+001	1.61e+003	1.86e+002	-	1.72e+003	9.00e+002
			Bot		5.93e+001	1.38e+003	5.48e+001	1.38e+003	5.71e+001	-	1.36e+003	6.92e+002
24	STL ENV_STR(al l)		Cent	Top	3.83e+001	1.20e+003	1.61e+002	1.22e+003	5.89e+001	-	1.25e+003	6.41e+002
			Bot		1.76e+001	1.15e+003	1.68e+002	1.17e+003	6.89e+000	-	1.17e+003	5.89e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
25	STL ENV_STR(a11)		Cent	Top	9.16e+00 1	1.22e+00 2	3.60e+00 2	4.67e+00 2	- 2.54e+00 2	-	6.34e+00 2	3.61e+00 2
			Bot	01	9.12e+00 2	1.23e+00 2	3.60e+00 2	4.67e+00 2	- 2.53e+00 2	-	6.33e+00 02	3.60e+00 2
26	STL ENV_STR(a11)		Cent	Top	7.07e+00 1	1.77e+00 2	5.23e+00 2	6.50e+00 2	- 4.02e+00 2	-	9.19e+00 2	5.26e+00 2
			Bot	01	7.11e+00 01	1.78e+00 2	5.23e+00 2	6.50e+00 2	- 4.01e+00 2	-	9.18e+00 02	5.25e+00 2
27	STL ENV_STR(a11)		Cent	Top	- 1.48e+00 2	7.22e+00 1	1.20e+00 3	1.16e+00 3	- 1.24e+00 3	-	2.08e+00 3	1.20e+00 3
			Bot	02	1.49e+00 02	7.02e+00 1	1.19e+00 3	1.16e+00 3	- 1.24e+00 3	-	2.08e+00 03	1.20e+00 3
28	STL ENV_STR(a11)		Cent	Top	- 6.46e+00 2	- 5.39e+00 1	1.22e+00 3	9.05e+00 2	- 1.61e+00 3	-	2.20e+00 3	1.26e+00 3
			Bot	02	6.51e+00 02	6.25e+00 1	1.22e+00 3	8.97e+00 2	- 1.61e+00 3	-	2.20e+00 03	1.25e+00 3
29	STL ENV_STR(a11)		Cent	Top	- 1.36e+00 3	- 1.78e+00 3	- 2.07e+00 0	1.36e+00 3	- 1.78e+00 3	-	1.61e+00 3	8.89e+00 2
			Bot	03	1.37e+00 03	1.79e+00 3	1.90e- 001	1.37e+00 3	- 1.79e+00 3	-	1.62e+00 03	8.97e+00 2
30	STL ENV_STR(a11)		Cent	Top	- 5.63e+00 2	7.46e+00 1	5.53e+00 2	3.94e+00 2	- 8.83e+00 2	-	1.13e+00 3	6.38e+00 2
			Bot	02	5.67e+00 02	6.16e+00 1	5.54e+00 2	3.84e+00 2	- 8.90e+00 2	-	1.13e+00 03	6.37e+00 2
35	STL ENV_STR(a11)		Cent	Top	1.77e+00 2	1.26e+00 2	1.07e+00 3	1.23e+00 3	- 9.23e+00 2	-	1.87e+00 3	1.07e+00 3
			Bot	02	1.77e+00 02	1.25e+00 2	1.07e+00 3	1.23e+00 3	- 9.24e+00 2	-	1.87e+00 03	1.07e+00 3
36	STL ENV_STR(a11)		Cent	Top	- 4.31e+00 2	- 6.73e+00 1	1.13e+00 3	9.00e+00 2	- 1.40e+00 3	-	2.01e+00 3	1.15e+00 3

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	4.31e+002	6.90e+001	1.13e+003	8.98e+002	1.40e+003	-	2.00e+003	1.15e+003	
37	STL ENV_STR(al l)		Cent	Top	1.02e+003	3.25e+002	1.10e+003	4.83e+002	1.83e+003	-	2.11e+003	1.16e+003
			Bot	1.02e+003	3.34e+002	1.10e+003	4.76e+002	1.83e+003	-	2.11e+003	1.15e+003	
38	STL ENV_STR(al l)		Cent	Top	8.63e+002	2.26e+002	6.25e+002	1.57e+002	1.25e+003	-	1.33e+003	7.02e+002
			Bot	8.68e+002	2.41e+002	6.26e+002	1.45e+002	1.25e+003	-	1.33e+003	7.00e+002	
39	STL ENV_STR(al l)		Cent	Top	5.00e+001	1.06e+002	4.39e+001	6.15e+001	1.17e+002	-	1.57e+002	8.93e+001
			Bot	2.37e+002	9.09e+002	1.50e+002	9.42e+002	2.05e+002	-	8.58e+002	4.71e+002	
40	STL ENV_STR(al l)		Cent	Top	9.18e+001	1.03e+003	6.71e+001	1.04e+003	8.70e+001	-	9.95e+002	5.18e+002
			Bot	9.23e+000	5.19e+002	8.90e+001	5.33e+002	2.38e+001	-	5.46e+002	2.79e+002	
41	STL ENV_STR(al l)		Cent	Top	1.14e+002	1.77e+003	3.40e+001	1.77e+003	1.13e+002	-	1.72e+003	8.87e+002
			Bot	8.48e+001	5.61e+002	3.39e+000	5.61e+002	8.48e+001	-	6.08e+002	3.23e+002	
42	STL ENV_STR(al l)		Cent	Top	1.10e+001	1.36e+003	1.21e+001	1.36e+003	1.11e+001	-	1.37e+003	6.88e+002
			Bot	1.10e+001	1.20e+003	4.51e+001	1.20e+003	9.29e+000	-	1.20e+003	6.01e+002	
43	STL ENV_STR(al l)		Cent	Top	4.93e+002	1.55e+002	2.19e+002	5.61e+002	2.22e+002	-	6.99e+002	3.91e+002
			Bot	5.65e+001	4.71e+002	2.12e+002	5.60e+002	3.28e+001	-	5.77e+002	2.96e+002	
44	STL ENV_STR(al		Cent	Top	9.50e+000	9.53e+000	3.13e+000	1.05e+000	7.06e+000	-	1.06e+000	5.31e+000

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)		Top		1	2	2	3	0		3	2
			Bot		6.78e+00	5.33e+00	3.27e+00	6.87e+00	1.61e+00	-	7.81e+00	4.24e+00
45	STL ENV_STR (all)		Cent	Top	-	3.42e+00	1.82e+00	2.11e+00	1.84e+00	-	3.62e+00	2.04e+00
			Bot		9.58e+00	9.99e+00	2.44e+00	1.06e+00	3.44e+00	-	1.04e+00	5.30e+00
46	STL ENV_STR (all)		Cent	Top	-	4.06e+00	1.48e+00	-	1.30e+00	1.49e+00	-	5.16e+00
			Bot		2.00e+00	1.21e+00	-	1.28e+00	1.23e+00	-	3.30e+00	1.24e+00
101	STL ENV_STR (all)		Cent	Top	-	1.91e+00	3.07e+00	3.86e+00	3.61e+00	-	4.10e+00	6.68e+00
			Bot		1.93e+00	3.07e+00	3.85e+00	3.60e+00	4.10e+00	-	6.67e+00	3.85e+00
102	STL ENV_STR (all)		Cent	Top	1.31e+00	1.23e+00	4.70e+00	4.83e+00	-	4.57e+00	8.14e+00	4.70e+00
			Bot		1.29e+00	1.22e+00	4.69e+00	4.82e+00	-	4.57e+00	8.13e+00	4.69e+00
103	STL ENV_STR (all)		Cent	Top	1.42e+00	1.49e+00	1.37e+00	1.45e+00	-	1.29e+00	2.37e+00	1.37e+00
			Bot		1.42e+00	1.48e+00	1.37e+00	1.45e+00	-	1.29e+00	2.37e+00	1.37e+00
104	STL ENV_STR (all)		Cent	Top	2.35e+00	-	8.92e+00	1.48e+00	1.60e+00	-	1.38e+00	2.58e+00
			Bot		2.34e+00	-	8.16e+00	1.48e+00	1.60e+00	-	2.58e+00	1.49e+00
105	STL ENV_STR (all)		Cent	Top	5.00e+00	-	5.28e+00	5.19e+00	5.03e+00	-	5.30e+00	8.95e+00
			Bot		4.99e+00	-	5.28e+00	5.02e+00	5.31e+00	-	8.95e+00	5.17e+00



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
					2	1		2				
106	STL ENV_STR(al l)		Cent	Top	8.57e+00 1	- 3.44e+00 0	1.27e+00 3	1.31e+00 3	- 1.23e+00 3	-	2.20e+00 3	1.27e+00 3
			Bot	01	8.61e+00 0	- 3.22e+00 0	1.27e+00 3	1.31e+00 3	- 1.23e+00 3	-	2.20e+00 3	1.27e+00 3
107	STL ENV_STR(al l)		Cent	Top	1.91e+00 2	3.88e+00 1	1.36e+00 3	1.48e+00 3	- 1.25e+00 3	-	2.37e+00 3	1.37e+00 3
			Bot	02	1.90e+00 0	3.80e+00 1	1.36e+00 3	1.48e+00 3	- 1.25e+00 3	-	2.37e+00 3	1.36e+00 3
108	STL ENV_STR(al l)		Cent	Top	2.89e+00 2	- 1.22e+00 2	1.36e+00 3	1.46e+00 3	- 1.29e+00 3	-	2.38e+00 3	1.37e+00 3
			Bot	02	2.92e+00 0	- 1.20e+00 2	1.36e+00 3	1.46e+00 3	- 1.29e+00 3	-	2.38e+00 3	1.37e+00 3
109	STL ENV_STR(al l)		Cent	Top	3.41e+00 2	- 2.31e+00 2	- 6.68e+00 2	7.82e+00 2	- 6.72e+00 2	-	1.26e+00 3	7.27e+00 2
			Bot	02	3.39e+00 0	- 2.34e+00 2	- 6.69e+00 2	7.81e+00 2	- 6.76e+00 2	-	1.26e+00 3	7.28e+00 2
110	STL ENV_STR(al l)		Cent	Top	1.91e+00 2	3.90e+00 1	- 5.10e+00 1	2.06e+00 2	2.34e+00 1	-	1.95e+00 2	1.03e+00 2
			Bot	02	1.86e+00 0	2.98e+00 1	- 5.89e+00 1	2.06e+00 2	1.00e+00 1	-	2.01e+00 2	1.03e+00 2
111	STL ENV_STR(al l)		Cent	Top	2.90e+00 2	2.18e+00 1	1.63e+00 0	2.90e+00 2	2.18e+00 1	-	2.80e+00 2	1.45e+00 2
			Bot	02	2.51e+00 0	9.98e+00 1	- 4.62e+00 0	2.51e+00 2	9.97e+00 1	-	2.19e+00 2	1.26e+00 2
112	STL ENV_STR(al l)		Cent	Top	1.84e+00 2	1.86e+00 2	- 1.88e+00 2	3.73e+00 2	- 3.03e+00 0	-	3.75e+00 2	1.88e+00 2
			Bot	01	2.93e+00 0	9.60e+00 1	- 1.46e+00 2	2.12e+00 2	8.69e+00 1	-	2.66e+00 2	1.50e+00 2
113	STL ENV_STR(al		Cent	Top	1.33e+00 2	5.76e+00 2	- 1.31e+00	6.12e+00 2	9.70e+00 1	-	5.70e+00 2	3.06e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
	1)						2							
			Bot	01	4.39e+00	4.58e+00	2.88e+00	5.89e+00	1.75e+00	-	6.93e+00	3.82e+00		
114	STL ENV_STR(al l)		Cent	Top	-	9.04e+00	1.06e+00	-	1.27e+00	1.07e+00	1.04e+00	-	1.13e+00	5.87e+00
			Bot	01	6.03e+00	1.15e+00	2.74e+00	1.22e+00	4.57e+00	-	1.22e+00	6.12e+00		
115	STL ENV_STR(al l)		Cent	Top	-	8.18e+00	1.56e+00	-	2.63e+00	1.57e+00	8.22e+00	-	1.61e+00	8.24e+00
			Bot	01	1.44e+00	1.30e+00	5.08e+00	1.30e+00	1.24e+00	-	1.30e+00	6.52e+00		
116	STL ENV_STR(al l)		Cent	Top	5.36e+00	1.40e+00	1.60e+00	2.63e+00	6.95e+00	-	3.03e+00	1.66e+00		
			Bot	01	5.70e+00	1.18e+00	1.41e+00	2.32e+00	5.69e+00	-	2.65e+00	1.45e+00		
117	STL ENV_STR(al l)		Cent	Top	4.11e+00	5.50e+00	4.43e+00	5.54e+00	3.73e+00	-	5.36e+00	2.77e+00		
			Bot	01	1.00e+00	4.88e+00	2.09e+00	5.64e+00	8.63e+00	-	6.12e+00	3.25e+00		
118	STL ENV_STR(al l)		Cent	Top	-	4.22e+00	1.09e+00	3.01e+00	1.10e+00	5.04e+00	-	1.10e+00	5.50e+00	
			Bot	00	3.54e+00	1.06e+00	1.77e+00	1.09e+00	3.23e+00	-	1.10e+00	5.60e+00		
119	STL ENV_STR(al l)		Cent	Top	-	1.70e+00	1.53e+00	2.79e+00	1.54e+00	1.75e+00	-	1.54e+00	7.76e+00	
			Bot	00	7.56e+00	1.23e+00	2.92e+00	1.23e+00	8.25e+00	-	1.23e+00	6.18e+00		
120	STL ENV_STR(al l)		Cent	Top	1.16e+00	-	1.80e+00	-	1.28e+00	1.64e+00	2.28e+00	-	3.41e+00	1.96e+00
			Bot	02	3.03e+00	6.49e+00	9.71e+00	6.74e+00	2.77e+00	-	5.87e+00	3.37e+00		

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
121	STL ENV_STR(al l)		Cent	Top	1.31e+00 2	9.60e+00 2	- 2.30e+00 2	1.02e+00 3	7.08e+00 1	-	9.86e+00 2	5.10e+00 2
			Bot	- 4.82e+0 01	5.41e+00 2	- 2.84e+00 2	6.55e+00 2	- 1.63e+00 2	-	7.50e+0 02	4.09e+00 2	
122	STL ENV_STR(al l)		Cent	Top	1.01e+00 2	1.85e+00 3	- 1.30e+00 2	1.86e+00 3	9.15e+00 1	-	1.82e+00 3	9.30e+00 2
			Bot	- 2.10e+0 02	7.47e+00 2	- 1.55e+00 2	7.71e+00 2	- 2.35e+00 2	-	9.12e+0 02	5.03e+00 2	
123	STL ENV_STR(al l)		Cent	Top	- 3.86e+00 1	1.44e+00 3	7.61e+00 1	1.44e+00 3	- 4.25e+00 1	-	1.46e+00 3	7.41e+00 2
			Bot	7.55e+0 00	1.20e+00 3	9.60e+00 1	1.21e+00 3	-1.44e- 001	-	1.21e+0 03	6.03e+00 2	
124	STL ENV_STR(al l)		Cent	Top	3.17e+00 1	- 1.60e+00 2	3.15e+00 1	3.67e+00 1	- 1.65e+00 2	-	1.86e+00 2	1.01e+00 2
			Bot	3.05e+0 02	7.15e+00 2	- 2.02e+00 1	7.16e+00 2	3.04e+00 2	-	6.22e+0 02	3.58e+00 2	
125	STL ENV_STR(al l)		Cent	Top	9.33e+00 1	9.50e+00 2	1.22e+00 2	9.67e+00 2	7.64e+00 1	-	9.31e+00 2	4.84e+00 2
			Bot	- 7.25e+0 00	5.88e+00 2	2.10e+00 2	6.55e+00 2	- 7.41e+00 1	-	6.95e+0 02	3.64e+00 2	
126	STL ENV_STR(al l)		Cent	Top	1.71e+00 2	1.81e+00 3	6.57e+00 1	1.82e+00 3	1.68e+00 2	-	1.74e+00 3	9.08e+00 2
			Bot	- 1.94e+0 02	6.38e+00 2	7.10e+00 1	6.44e+00 2	- 2.00e+00 2	-	7.64e+0 02	4.22e+00 2	
127	STL ENV_STR(al l)		Cent	Top	- 2.57e+00 1	1.39e+00 3	- 2.62e+00 1	1.39e+00 3	- 2.62e+00 1	-	1.41e+00 3	7.10e+00 2
			Bot	1.48e+0 01	1.19e+00 3	- 7.14e+00 1	1.20e+00 3	1.04e+00 1	-	1.19e+0 03	5.98e+00 2	
128	STL ENV_STR(al l)		Cent	Top	- 1.76e+00 1	1.21e+00 3	1.05e+00 2	1.22e+00 3	- 2.65e+00 1	-	1.23e+00 3	6.23e+00 2
			Bot	4.26e+0 00	1.12e+00 3	1.17e+00 2	1.13e+00 3	- 7.76e+00	-	1.14e+0 03	5.71e+00 2	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
								0				
129	STL ENV_STR(al l)		Cent	Top	-9.60e- 002	7.53e+00 2	1.62e+00 1	7.53e+00 2	-4.46e- 001	-	7.54e+00 2	3.77e+00 2
			Bot	2.42e- 001	6.94e+00 2	2.07e+00 1	6.95e+00 2	-3.77e- 001	-	6.95e+0 02	3.48e+00 2	
130	STL ENV_STR(al l)		Cent	Top	3.83e+00 0	7.44e+00 2	9.07e+00 1	7.55e+00 2	- 7.12e+00 0	-	7.59e+00 2	3.81e+00 2
			Bot	3.33e+0 00	6.83e+00 2	9.29e+00 1	6.96e+00 2	- 9.15e+00 0	-	7.00e+0 02	3.52e+00 2	
131	STL ENV_STR(al l)		Cent	Top	6.92e- 002	4.08e+00 2	1.20e+00 1	4.09e+00 2	-2.81e- 001	-	4.09e+00 2	2.04e+00 2
			Bot	3.08e- 002	3.84e+00 2	1.46e+00 1	3.85e+00 2	-5.19e- 001	-	3.85e+0 02	1.93e+00 2	
132	STL ENV_STR(al l)		Cent	Top	3.45e+00 0	4.01e+00 2	6.54e+00 1	4.11e+00 2	- 7.04e+00 0	-	4.15e+00 2	2.09e+00 2
			Bot	2.09e+0 00	3.76e+00 2	6.70e+00 1	3.88e+00 2	- 9.54e+00 0	-	3.93e+0 02	1.99e+00 2	
133	STL ENV_STR(al l)		Cent	Top	5.93e- 002	1.68e+00 2	7.65e+00 0	1.68e+00 2	-2.89e- 001	-	1.68e+00 2	8.43e+00 1
			Bot	3.86e- 002	1.71e+00 2	9.55e+00 0	1.71e+00 2	-4.95e- 001	-	1.71e+0 02	8.58e+00 1	
134	STL ENV_STR(al l)		Cent	Top	3.29e+00 0	1.61e+00 2	4.24e+00 1	1.71e+00 2	- 7.39e+00 0	-	1.75e+00 2	8.93e+00 1
			Bot	2.16e+0 00	1.63e+00 2	4.36e+00 1	1.74e+00 2	- 8.93e+00 0	-	1.78e+0 02	9.14e+00 1	
135	STL ENV_STR(al l)		Cent	Top	-6.56e- 002	2.99e+00 1	3.63e+00 0	3.03e+00 1	-4.99e- 001	-	3.06e+00 1	1.54e+00 1
			Bot	1.54e- 001	4.91e+00 1	4.04e+00 0	4.94e+00 1	-1.77e- 001	-	4.95e+0 01	2.48e+00 1	
136	STL ENV_STR(al l)		Cent	Top	2.63e+00 0	2.20e+00 1	1.92e+00 1	3.38e+00 1	- 9.16e+00 0	-	3.92e+00 1	2.15e+00 1
			Bot	2.84e+0 00	4.06e+00 1	1.94e+00 1	4.88e+00 1	- 5.36e+00 0	-	5.17e+0 01	2.71e+00 1	
137	STL ENV_STR(al		Cent	Top	- 7.06e+00	1.22e+00	- 6.06e+00	1.22e+00	- 1.00e+00	-	1.23e+00	6.16e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)		t		0	3	1	3	1		3	2
			Bot		-3.70e-001	1.10e+003	-6.53e+001	1.10e+003	-4.23e+000	1.11e+003	5.54e+002	
138	STL ENV_STR(al l)		Cent	Top	7.96e+000	7.35e+002	-1.28e+002	7.57e+002	-1.40e+001	-	7.64e+002	3.85e+002
			Bot		5.98e+000	6.76e+002	-1.27e+002	6.99e+002	-1.74e+001	7.08e+002	3.58e+002	
139	STL ENV_STR(al l)		Cent	Top	1.09e+000	7.49e+002	-5.39e+001	7.53e+002	-2.77e+000	-	7.54e+002	3.78e+002
			Bot		1.46e+000	6.88e+002	-5.64e+001	6.93e+002	-3.14e+000	6.94e+002	3.48e+002	
140	STL ENV_STR(al l)		Cent	Top	6.91e+000	3.94e+002	-9.27e+001	4.15e+002	-1.41e+001	-	4.22e+002	2.15e+002
			Bot		4.04e+000	3.69e+002	-9.23e+001	3.91e+002	-1.80e+001	4.01e+002	2.05e+002	
141	STL ENV_STR(al l)		Cent	Top	1.18e+000	4.05e+002	-3.91e+001	4.08e+002	-2.57e+000	-	4.10e+002	2.05e+002
			Bot		7.29e-001	3.81e+002	-4.02e+001	3.85e+002	-3.48e+000	3.87e+002	1.94e+002	
142	STL ENV_STR(al l)		Cent	Top	6.62e+000	1.54e+002	-6.03e+001	1.76e+002	-1.49e+001	-	1.84e+002	9.53e+001
			Bot		4.16e+000	1.56e+002	-5.99e+001	1.77e+002	-1.66e+001	1.86e+002	9.67e+001	
143	STL ENV_STR(al l)		Cent	Top	1.12e+000	1.65e+002	-2.54e+001	1.69e+002	-2.75e+000	-	1.70e+002	8.57e+001
			Bot		7.62e-001	1.67e+002	-2.60e+001	1.71e+002	-3.22e+000	1.73e+002	8.72e+001	
144	STL ENV_STR(al l)		Cent	Top	5.90e+000	1.54e+001	-2.73e+001	3.83e+001	-1.70e+001	-	4.91e+001	2.77e+001
			Bot		5.13e+000	3.34e+000	-2.67e+000	4.95e+000	-1.09e+000	5.58e+000	3.02e+000	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				00	1	1	1	1		01	1	
145	STL ENV_STR(al l)		Cent	Top	8.00e- 001	2.68e+00 1	- 1.18e+00 1	3.14e+00 1	- 3.76e+00 0	-	3.35e+00 1	1.76e+00 1
			Bot	1.04e+0 00	4.56e+00 1	- 1.12e+00 1	4.82e+00 1	- 1.63e+00 0	-	4.91e+0 01	2.49e+00 1	
164	STL ENV_STR(al l)		Cent	Top	- 2.92e+00 2	1.01e+00 2	- 4.93e+00 2	4.35e+00 2	- 6.26e+00 2	-	9.24e+00 2	5.31e+00 2
			Bot	- 2.94e+0 02	9.45e+00 1	- 4.94e+00 2	4.31e+00 2	- 6.30e+00 2	-	9.25e+0 02	5.31e+00 2	
165	STL ENV_STR(al l)		Cent	Top	- 1.34e+00 2	9.44e+00 1	- 3.69e+00 2	3.67e+00 2	- 4.07e+00 2	-	6.70e+00 2	3.87e+00 2
			Bot	- 1.35e+0 02	9.08e+00 1	- 3.70e+00 2	3.65e+00 2	- 4.09e+00 2	-	6.71e+0 02	3.87e+00 2	
166	STL ENV_STR(al l)		Cent	Top	- 2.79e+00 1	9.32e+00 1	- 2.41e+00 2	2.82e+00 2	- 2.16e+00 2	-	4.32e+00 2	2.49e+00 2
			Bot	- 2.86e+0 01	9.08e+00 1	- 2.42e+00 2	2.80e+00 2	- 2.18e+00 2	-	4.33e+0 02	2.49e+00 2	
167	STL ENV_STR(al l)		Cent	Top	2.92e+00 1	9.60e+00 1	- 1.17e+00 2	1.85e+00 2	- 5.93e+00 1	-	2.20e+00 2	1.22e+00 2
			Bot	2.83e+0 01	9.32e+00 1	- 1.18e+00 2	1.83e+00 2	- 6.13e+00 1	-	2.20e+0 02	1.22e+00 2	
168	STL ENV_STR(al l)		Cent	Top	2.58e+00 2	1.49e+00 1	- 6.65e+00 2	8.13e+00 2	- 5.40e+00 2	-	1.18e+00 3	6.76e+00 2
			Bot	2.57e+0 02	1.12e+00 1	- 6.66e+00 2	8.11e+00 2	- 5.43e+00 2	-	1.18e+0 03	6.77e+00 2	
169	STL ENV_STR(al l)		Cent	Top	2.32e+00 2	4.97e+00 1	- 5.15e+00 2	6.64e+00 2	- 3.82e+00 2	-	9.17e+00 2	5.23e+00 2
			Bot	2.32e+0 02	4.71e+00 1	- 5.16e+00 2	6.63e+00 2	- 3.84e+00 2	-	9.18e+0 02	5.24e+00 2	
170	STL ENV_STR(al		Cent	Top	1.41e+00	4.24e+00	- 3.78e+00	4.73e+00	- 2.90e+00	-	6.67e+00	3.82e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)		t		2	1	2	2	2		2	2
			Bot	1.40e+002	4.07e+001	-3.79e+002	4.73e+002	-2.92e+002	-	6.68e+002	3.82e+002	
171	STL ENV_STR (al1)		Cent	Top	6.97e+001	4.17e+001	-2.46e+002	3.02e+002	-1.91e+002	-	4.31e+002	2.47e+002
			Bot	6.94e+001	4.06e+001	-2.47e+002	3.02e+002	-1.92e+002	-	4.32e+002	2.47e+002	
172	STL ENV_STR (al1)		Cent	Top	2.37e+001	4.47e+001	-1.14e+002	1.48e+002	-7.99e+001	-	2.01e+002	1.14e+002
			Bot	2.34e+001	4.39e+001	-1.14e+002	1.48e+002	-8.09e+001	-	2.01e+002	1.15e+002	
203	STL ENV_STR (al1)		Cent	Top	-2.12e+000	1.09e+003	1.39e+001	1.09e+003	-2.30e+000	-	1.09e+003	5.48e+002
			Bot	2.70e+000	1.00e+003	3.05e+001	1.00e+003	1.77e+000	-	1.00e+003	5.01e+002	
204	STL ENV_STR (al1)		Cent	Top	-3.65e-001	9.75e+002	1.83e+001	9.75e+002	-7.09e-001	-	9.76e+002	4.88e+002
			Bot	2.60e-001	8.90e+002	2.52e+001	8.90e+002	-4.54e-001	-	8.91e+002	4.45e+002	
205	STL ENV_STR (al1)		Cent	Top	-1.94e-001	8.58e+002	1.75e+001	8.59e+002	-5.51e-001	-	8.59e+002	4.30e+002
			Bot	3.90e-001	7.89e+002	2.29e+001	7.90e+002	-2.72e-001	-	7.90e+002	3.95e+002	
206	STL ENV_STR (al1)		Cent	Top	4.36e+000	1.10e+003	-1.63e+002	1.12e+003	-1.93e+001	-	1.13e+003	5.70e+002
			Bot	-2.59e+000	9.54e+002	-1.64e+002	9.81e+002	-2.99e+001	-	9.97e+002	5.06e+002	
207	STL ENV_STR (al1)		Cent	Top	2.91e+000	9.43e+002	-1.51e+002	9.66e+002	-2.07e+001	-	9.77e+002	4.94e+002
			Bot	1.17e+001	8.73e+002	-1.49e+002	8.98e+002	-1.34e+001	-	9.05e+002	4.56e+002	
208	STL ENV_STR (al1)		Cent	Top	8.24e+000	8.41e+002	-1.38e+000	8.63e+002	-1.40e+000	-	8.70e+002	4.38e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)						2		1			
			Bot		7.00e+00	7.64e+00	-1.39e+00	7.89e+00	-1.77e+00	-	7.98e+00	4.03e+00
209	STL ENV_STR(al l)		Cent	Top	-6.96e+00	1.09e+00	1.08e+00	1.11e+00	-1.74e+00	-	1.11e+00	5.61e+00
			Bot		5.91e+00	9.78e+00	1.19e+00	9.93e+00	-8.50e+00	-	9.97e+00	5.01e+00
210	STL ENV_STR(al l)		Cent	Top	1.97e+00	9.59e+00	1.07e+00	9.71e+00	-9.83e+00	-	9.76e+00	4.90e+00
			Bot		4.19e+00	8.78e+00	1.09e+00	8.91e+00	-9.20e+00	-	8.96e+00	4.50e+00
211	STL ENV_STR(al l)		Cent	Top	2.89e+00	8.47e+00	9.71e+00	8.58e+00	-8.14e+00	-	8.62e+00	4.33e+00
			Bot		5.15e+00	7.77e+00	1.02e+00	7.90e+00	-8.11e+00	-	7.94e+00	3.99e+00
212	STL ENV_STR(al l)		Cent	Top	6.32e-002	6.57e+00	1.53e+00	6.57e+00	-2.95e-001	-	6.57e+00	3.29e+00
			Bot		5.88e-002	6.07e+00	1.87e+00	6.07e+00	-5.15e-001	-	6.07e+00	3.04e+00
213	STL ENV_STR(al l)		Cent	Top	5.26e-002	5.67e+00	1.42e+00	5.67e+00	-3.01e-001	-	5.68e+00	2.84e+00
			Bot		5.59e-002	5.26e+00	1.72e+00	5.27e+00	-5.07e-001	-	5.27e+00	2.64e+00
214	STL ENV_STR(al l)		Cent	Top	8.11e-002	4.84e+00	1.31e+00	4.85e+00	-2.72e-001	-	4.85e+00	2.43e+00
			Bot		2.21e-002	4.52e+00	1.58e+00	4.53e+00	-5.31e-001	-	4.53e+00	2.27e+00
215	STL ENV_STR(al l)		Cent	Top	3.77e+00	6.48e+00	8.36e+00	6.59e+00	-6.90e+00	-	6.62e+00	3.33e+00
			Bot		2.65e+00	5.97e+00	8.59e+00	6.10e+00	-9.51e+00	-	6.14e+00	3.10e+00
216	STL ENV_STR(al l)		Cent	Top	3.70e+00	5.59e+00	7.74e+00	5.70e+00	-6.88e+00	-	5.73e+00	2.88e+00



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.23e+00	5.18e+00	7.92e+00	5.29e+00	-9.66e+00	-	5.34e+00	2.70e+00	
217	STL ENV_STR(al l)		Cent	Top	3.55e+00	4.77e+00	7.13e+00	4.87e+00	-6.96e+00	-	4.91e+00	2.47e+00
			Bot	2.13e+00	4.44e+00	7.30e+00	4.56e+00	-9.62e+00	-	4.61e+00	2.33e+00	
218	STL ENV_STR(al l)		Cent	Top	6.92e-002	3.39e+00	1.09e+00	3.39e+00	-2.80e-001	-	3.39e+00	1.70e+00
			Bot	2.93e-002	3.22e+00	1.33e+00	3.23e+00	-5.18e-001	-	3.23e+00	1.62e+00	
219	STL ENV_STR(al l)		Cent	Top	6.40e-002	2.75e+00	9.79e+00	2.76e+00	-2.84e-001	-	2.76e+00	1.38e+00
			Bot	3.37e-002	2.66e+00	1.20e+00	2.67e+00	-5.10e-001	-	2.67e+00	1.34e+00	
220	STL ENV_STR(al l)		Cent	Top	6.19e-002	2.18e+00	8.72e+00	2.19e+00	-2.86e-001	-	2.19e+00	1.10e+00
			Bot	3.55e-002	2.16e+00	1.08e+00	2.16e+00	-5.04e-001	-	2.16e+00	1.08e+00	
221	STL ENV_STR(al l)		Cent	Top	3.38e+00	3.31e+00	5.96e+00	3.42e+00	-7.13e+00	-	3.45e+00	1.74e+00
			Bot	2.10e+00	3.14e+00	6.11e+00	3.26e+00	-9.43e+00	-	3.31e+00	1.68e+00	
222	STL ENV_STR(al l)		Cent	Top	3.33e+00	2.68e+00	5.38e+00	2.78e+00	-7.21e+00	-	2.82e+00	1.43e+00
			Bot	2.12e+00	2.58e+00	5.53e+00	2.70e+00	-9.31e+00	-	2.74e+00	1.39e+00	
223	STL ENV_STR(al l)		Cent	Top	3.30e+00	2.11e+00	4.81e+00	2.22e+00	-7.29e+00	-	2.25e+00	1.14e+00
			Bot	2.14e+00	2.08e+00	4.95e+00	2.19e+00	-9.15e+00	-	2.24e+00	1.14e+00	
224	STL ENV_STR(al l)		Cent	Top	5.45e-002	1.24e+00	6.59e+00	1.24e+00	-2.95e-001	-	1.24e+00	6.22e+00
			Bot	4.52e-002	1.31e+00	8.28e+00	1.32e+00	-4.75e-001	-	1.32e+00	6.62e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
225	STL ENV_STR(al l)		Cent	Top	3.89e-002	8.59e+001	5.54e+000	8.63e+001	-3.17e-001	-	8.65e+001	4.33e+001
			Bot	6.46e-002	9.80e+001	6.95e+000	9.85e+001	-4.26e-001	-	9.87e+001	4.95e+001	
226	STL ENV_STR(al l)		Cent	Top	1.09e-003	5.46e+001	4.54e+000	5.50e+001	-3.74e-001	-	5.52e+001	2.77e+001
			Bot	1.05e-001	7.06e+001	5.52e+000	7.10e+001	-3.25e-001	-	7.12e+001	3.57e+001	
227	STL ENV_STR(al l)		Cent	Top	3.29e+000	1.16e+002	3.66e+001	1.27e+002	-7.52e+000	-	1.31e+002	6.74e+001
			Bot	2.21e+000	1.24e+002	3.78e+001	1.34e+002	-8.58e+000	-	1.39e+002	7.15e+001	
228	STL ENV_STR(al l)		Cent	Top	3.27e+000	7.85e+001	3.08e+001	8.95e+001	-7.74e+000	-	9.36e+001	4.86e+001
			Bot	2.34e+000	9.00e+001	3.18e+001	1.00e+002	-7.98e+000	-	1.05e+002	5.42e+001	
229	STL ENV_STR(al l)		Cent	Top	3.10e+000	4.70e+001	2.50e+001	5.83e+001	-8.20e+000	-	6.28e+001	3.33e+001
			Bot	2.59e+000	6.23e+001	2.57e+001	7.18e+001	-6.92e+000	-	7.55e+001	3.94e+001	
230	STL ENV_STR(al l)		Cent	Top	-9.50e-002	1.23e+001	2.80e+000	1.29e+001	-6.99e-001	-	1.33e+001	6.80e+000
			Bot	9.15e-002	3.21e+001	2.93e+000	3.24e+001	-1.74e-001	-	3.25e+001	1.63e+001	
231	STL ENV_STR(al l)		Cent	Top	8.30e-002	2.09e+000	1.90e+000	3.24e+000	-1.07e+000	-	3.88e+000	2.15e+000
			Bot	3.23e-002	1.75e+001	2.56e+000	1.79e+001	-3.35e-001	-	1.80e+001	9.10e+000	
232	STL ENV_STR(al l)		Cent	Top	2.88e-001	-6.84e-001	1.17e-001	3.01e-001	-6.98e-001	-	8.88e-001	5.00e-001
			Bot	-1.22e-001	5.14e+000	1.60e+000	5.59e+000	-5.71e-001	-	5.90e+000	3.08e+000	
233	STL ENV_STR(al l)		Cent	Top	1.88e+000	4.61e+000	1.35e+001	1.68e+001	-1.03e+001	-	2.36e+001	1.35e+001

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.53e+00	2.48e+00	1.35e+00	3.12e+00	-3.85e+00	-	3.33e+00	1.75e+00	
234	STL ENV_STR(al l)		Cent	Top	2.41e+00	-3.11e+00	8.12e+00	8.23e+00	-8.93e+00	-	1.49e+00	8.58e+00
			Bot	1.34e+00	1.35e+00	9.15e+00	1.84e+00	-3.57e+00	-	2.04e+00	1.10e+00	
235	STL ENV_STR(al l)		Cent	Top	5.63e+00	-2.29e+00	2.45e+00	6.32e+00	-2.98e+00	-	8.23e+00	4.65e+00
			Bot	1.62e+00	4.43e+00	5.93e+00	9.12e+00	-3.07e+00	-	1.10e+00	6.09e+00	
236	STL ENV_STR(al l)		Cent	Top	-4.76e+00	1.09e+00	-5.92e+00	1.09e+00	-7.96e+00	-	1.10e+00	5.51e+00
			Bot	3.63e+00	9.90e+00	-7.39e+00	9.95e+00	-1.88e+00	-	9.96e+00	4.99e+00	
237	STL ENV_STR(al l)		Cent	Top	-2.67e-00	9.68e+00	-6.32e+00	9.72e+00	-4.38e+00	-	9.74e+00	4.88e+00
			Bot	2.17e+00	8.82e+00	-6.64e+00	8.87e+00	-2.80e+00	-	8.88e+00	4.45e+00	
238	STL ENV_STR(al l)		Cent	Top	9.83e-00	8.52e+00	-5.81e+00	8.56e+00	-2.96e+00	-	8.58e+00	4.30e+00
			Bot	1.82e+00	7.83e+00	-6.18e+00	7.88e+00	-3.05e+00	-	7.90e+00	3.96e+00	
239	STL ENV_STR(al l)		Cent	Top	8.02e+00	6.41e+00	-1.18e+00	6.63e+00	-1.33e+00	-	6.69e+00	3.38e+00
			Bot	4.49e+00	5.89e+00	-1.18e+00	6.12e+00	-1.85e+00	-	6.21e+00	3.15e+00	
240	STL ENV_STR(al l)		Cent	Top	7.47e+00	5.52e+00	-1.09e+00	5.73e+00	-1.37e+00	-	5.80e+00	2.93e+00
			Bot	4.21e+00	5.10e+00	-1.09e+00	5.33e+00	-1.83e+00	-	5.42e+00	2.76e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
241	STL ENV_STR(al l)		Cent	Top	7.19e+00	4.70e+00	-1.01e+00	4.91e+00	-1.38e+00	-	4.98e+00	2.52e+00
			Bot	00	4.02e+00	4.37e+00	-1.01e+00	4.59e+00	-1.83e+00	-	4.68e+00	2.39e+00
242	STL ENV_STR(al l)		Cent	Top	1.31e+00	6.52e+00	-5.00e+00	6.56e+00	-2.52e+00	-	6.57e+00	3.29e+00
			Bot	001	9.17e-00	6.02e+00	-5.17e+00	6.06e+00	-3.49e+00	-	6.08e+00	3.05e+00
243	STL ENV_STR(al l)		Cent	Top	1.26e+00	5.63e+00	-4.62e+00	5.67e+00	-2.51e+00	-	5.68e+00	2.85e+00
			Bot	001	7.96e-00	5.22e+00	-4.76e+00	5.26e+00	-3.53e+00	-	5.28e+00	2.65e+00
244	STL ENV_STR(al l)		Cent	Top	1.24e+00	4.81e+00	-4.26e+00	4.84e+00	-2.53e+00	-	4.86e+00	2.43e+00
			Bot	001	7.26e-00	4.48e+00	-4.38e+00	4.53e+00	-3.53e+00	-	4.54e+00	2.28e+00
245	STL ENV_STR(al l)		Cent	Top	6.77e+00	3.25e+00	-8.45e+00	3.46e+00	-1.43e+00	-	3.53e+00	1.80e+00
			Bot	00	4.06e+00	3.08e+00	-8.42e+00	3.29e+00	-1.77e+00	-	3.39e+00	1.74e+00
246	STL ENV_STR(al l)		Cent	Top	6.67e+00	2.62e+00	-7.64e+00	2.83e+00	-1.45e+00	-	2.90e+00	1.49e+00
			Bot	00	4.10e+00	2.51e+00	-7.61e+00	2.73e+00	-1.74e+00	-	2.82e+00	1.45e+00
247	STL ENV_STR(al l)		Cent	Top	6.63e+00	2.05e+00	-6.83e+00	2.26e+00	-1.47e+00	-	2.34e+00	1.20e+00
			Bot	00	4.13e+00	2.01e+00	-6.80e+00	2.22e+00	-1.71e+00	-	2.31e+00	1.20e+00
248	STL ENV_STR(al l)		Cent	Top	1.15e+00	3.35e+00	-3.57e+00	3.39e+00	-2.61e+00	-	3.40e+00	1.71e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	7.35e-001	3.19e+002	-3.66e+001	3.23e+002	-3.43e+000	-	3.25e+002	1.63e+002	
249	STL ENV_STR(al l)		Cent	Top	1.13e+000	2.72e+002	-3.22e+001	2.76e+002	-2.65e+000	-	2.77e+002	1.39e+002
			Bot	7.47e-001	2.63e+002	-3.31e+001	2.67e+002	-3.38e+000	-	2.68e+002	1.35e+002	
250	STL ENV_STR(al l)		Cent	Top	1.12e+000	2.15e+002	-2.88e+001	2.19e+002	-2.70e+000	-	2.20e+002	1.11e+002
			Bot	7.54e-001	2.12e+002	-2.96e+001	2.16e+002	-3.31e+000	-	2.18e+002	1.10e+002	
251	STL ENV_STR(al l)		Cent	Top	6.67e+000	1.10e+002	-5.22e+001	1.32e+002	-1.51e+001	-	1.40e+002	7.35e+001
			Bot	4.20e+000	1.17e+002	-5.18e+001	1.37e+002	-1.60e+001	-	1.46e+002	7.65e+001	
252	STL ENV_STR(al l)		Cent	Top	6.71e+000	7.22e+001	-4.40e+001	9.43e+001	-1.54e+001	-	1.03e+002	5.49e+001
			Bot	4.34e+000	8.31e+001	-4.36e+001	1.03e+002	-1.50e+001	-	1.11e+002	5.88e+001	
253	STL ENV_STR(al l)		Cent	Top	6.58e+000	4.05e+001	-3.57e+001	6.31e+001	-1.60e+001	-	7.25e+001	3.96e+001
			Bot	4.66e+000	5.53e+001	-3.53e+001	7.34e+001	-1.34e+001	-	8.09e+001	4.34e+001	
254	STL ENV_STR(al l)		Cent	Top	1.12e+000	1.21e+002	-2.20e+001	1.25e+002	-2.81e+000	-	1.26e+002	6.37e+001
			Bot	7.84e-001	1.28e+002	-2.25e+001	1.32e+002	-3.07e+000	-	1.33e+002	6.75e+001	
255	STL ENV_STR(al l)		Cent	Top	1.10e+000	8.29e+001	-1.86e+001	8.70e+001	-2.93e+000	-	8.85e+001	4.49e+001
			Bot	8.46e-001	9.47e+001	-1.88e+001	9.83e+001	-2.79e+000	-	9.97e+001	5.06e+001	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
256	STL ENV_STR(al l)		Cent	Top	1.01e+00 0	5.16e+00 1	- 1.52e+00 1	5.58e+00 1	- 3.19e+00 0	-	5.75e+00 1	2.95e+00 1
			Bot	9.65e- 001	6.72e+00 1	- 1.50e+00 1	7.04e+00 1	- 2.29e+00 0	-	7.16e+0 01	3.64e+00 1	
257	STL ENV_STR(al l)		Cent	Top	4.54e+00 0	- 2.17e+00 0	- 1.87e+00 1	2.01e+00 1	- 1.78e+00 1	-	3.28e+00 1	1.90e+00 1
			Bot	5.26e+0 00	1.80e+00 1	- 1.81e+00 1	3.08e+00 1	- 7.52e+00 0	-	3.52e+0 01	1.92e+00 1	
258	STL ENV_STR(al l)		Cent	Top	4.06e+00 0	- 8.94e+00 0	- 1.04e+00 1	9.84e+00 0	- 1.47e+00 1	-	2.14e+00 1	1.23e+00 1
			Bot	3.37e+0 00	8.29e+00 0	- 1.04e+00 1	1.65e+00 1	- 4.84e+00 0	-	1.94e+0 01	1.07e+00 1	
259	STL ENV_STR(al l)		Cent	Top	1.20e+00 1	- 3.84e+00 0	- 3.75e+00 0	1.28e+00 1	- 4.69e+00 0	-	1.57e+00 1	8.74e+00 0
			Bot	1.16e+0 00	2.42e+00 0	- 5.37e+00 0	7.20e+00 0	- 3.62e+00 0	-	9.54e+0 00	5.41e+00 0	
260	STL ENV_STR(al l)		Cent	Top	5.80e- 001	9.46e+00 0	- 8.63e+00 0	1.47e+00 1	- 4.68e+00 0	-	1.75e+00 1	9.70e+00 0
			Bot	6.92e- 001	2.91e+00 1	- 8.00e+00 0	3.12e+00 1	- 1.41e+00 0	-	3.20e+0 01	1.63e+00 1	
261	STL ENV_STR(al l)		Cent	Top	1.18e+00 0	5.59e- 001	- 5.49e+00 0	6.37e+00 0	- 4.63e+00 0	-	9.57e+00 0	5.50e+00 0
			Bot	2.06e- 001	1.61e+00 1	- 6.06e+00 0	1.81e+00 1	- 1.85e+00 0	-	1.91e+0 01	9.98e+00 0	
262	STL ENV_STR(al l)		Cent	Top	2.16e+00 0	-9.89e- 001	- 1.55e+00 0	2.80e+00 0	- 1.62e+00 0	-	3.87e+00 0	2.21e+00 0
			Bot	4.97e- 001	5.02e+00 0	- 3.97e+00 0	7.33e+00 0	- 1.81e+00 0	-	8.38e+0 00	4.57e+00 0	
263	STL ENV_STR(al l)		Cent	Top	- 4.73e+00 2	1.01e+00 2	- 5.48e+00 2	4.33e+00 2	- 8.05e+00 2	-	1.09e+00 3	6.19e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	4.76e+002	9.00e+001	5.50e+002	4.25e+002	8.11e+002	-	1.09e+003	6.18e+002	
264	STL ENV_STR(al l)		Cent	Top	4.02e+002	1.06e+002	5.38e+002	4.46e+002	7.43e+002	-	1.04e+003	5.95e+002
			Bot	4.05e+002	9.60e+001	5.39e+002	4.40e+002	7.49e+002	-	1.04e+003	5.94e+002	
265	STL ENV_STR(al l)		Cent	Top	3.43e+002	1.04e+002	5.18e+002	4.45e+002	6.84e+002	-	9.85e+002	5.64e+002
			Bot	3.46e+002	9.64e+001	5.19e+002	4.40e+002	6.89e+002	-	9.85e+002	5.64e+002	
266	STL ENV_STR(al l)		Cent	Top	2.47e+002	9.86e+001	4.64e+002	4.21e+002	5.69e+002	-	8.60e+002	4.95e+002
			Bot	2.48e+002	9.29e+001	4.65e+002	4.17e+002	5.73e+002	-	8.61e+002	4.95e+002	
267	STL ENV_STR(al l)		Cent	Top	2.06e+002	9.66e+001	4.33e+002	4.04e+002	5.13e+002	-	7.96e+002	4.59e+002
			Bot	2.07e+002	9.18e+001	4.34e+002	4.01e+002	5.17e+002	-	7.97e+002	4.59e+002	
268	STL ENV_STR(al l)		Cent	Top	1.68e+002	9.53e+001	4.01e+002	3.86e+002	4.59e+002	-	7.33e+002	4.22e+002
			Bot	1.70e+002	9.12e+001	4.02e+002	3.84e+002	4.62e+002	-	7.33e+002	4.23e+002	
269	STL ENV_STR(al l)		Cent	Top	1.03e+002	9.39e+001	3.37e+002	3.47e+002	3.56e+002	-	6.09e+002	3.52e+002
			Bot	1.04e+002	9.07e+001	3.38e+002	3.45e+002	3.59e+002	-	6.10e+002	3.52e+002	
270	STL ENV_STR(al l)		Cent	Top	7.53e+001	9.35e+001	3.05e+002	3.26e+002	3.08e+002	-	5.49e+002	3.17e+002
			Bot	7.62e+001	9.07e+001	3.06e+002	3.24e+002	3.10e+002	-	5.49e+002	3.17e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
271	STL ENV_STR(al l)		Cent	Top	-5.01e+001	9.33e+001	-2.73e+002	3.04e+002	-2.61e+002	-	4.90e+002	2.83e+002
			Bot	5.09e+001	9.07e+001	-2.74e+002	3.03e+002	-2.63e+002	-	4.90e+002	2.83e+002	
272	STL ENV_STR(al l)		Cent	Top	-8.67e+000	9.31e+001	-2.10e+002	2.58e+002	-1.73e+002	-	3.76e+002	2.16e+002
			Bot	9.36e+000	9.07e+001	-2.10e+002	2.57e+002	-1.75e+002	-	3.76e+002	2.16e+002	
273	STL ENV_STR(al l)		Cent	Top	7.43e+000	9.35e+001	-1.78e+002	2.34e+002	-1.33e+002	-	3.21e+002	1.83e+002
			Bot	6.69e+000	9.11e+001	-1.79e+002	2.32e+002	-1.35e+002	-	3.22e+002	1.83e+002	
274	STL ENV_STR(al l)		Cent	Top	2.00e+001	9.34e+001	-1.47e+002	2.08e+002	-9.44e+001	-	2.68e+002	1.51e+002
			Bot	1.93e+001	9.08e+001	-1.47e+002	2.06e+002	-9.62e+001	-	2.68e+002	1.51e+002	
275	STL ENV_STR(al l)		Cent	Top	3.42e+001	9.22e+001	-8.59e+001	1.54e+002	-2.75e+001	-	1.69e+002	9.07e+001
			Bot	3.33e+001	8.90e+001	-8.63e+001	1.52e+002	-2.95e+001	-	1.69e+002	9.07e+001	
276	STL ENV_STR(al l)		Cent	Top	3.91e+001	1.23e+002	-7.27e+001	1.65e+002	-2.92e+000	-	1.66e+002	8.39e+001
			Bot	3.78e+001	1.19e+002	-7.30e+001	1.62e+002	-5.12e+000	-	1.65e+002	8.36e+001	
277	STL ENV_STR(al l)		Cent	Top	2.09e+001	6.29e+001	-2.23e+000	6.30e+001	2.08e+001	-	5.56e+001	3.15e+001
			Bot	1.99e+001	5.89e+001	-2.46e+000	5.90e+001	1.98e+001	-	5.20e+001	2.95e+001	
278	STL ENV_STR(al l)		Cent	Top	2.60e+002	6.04e+001	-6.25e+002	7.93e+002	-4.73e+002	-	1.11e+003	6.33e+002



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.59e+02	5.69e+01	-6.26e+02	7.92e+02	-4.76e+02	-	1.11e+03	6.34e+02	
279	STL ENV_STR(al l)		Cent	Top	2.62e+02	6.35e+01	-5.91e+02	7.62e+02	-4.36e+02	-	1.05e+03	5.99e+02
			Bot	2.62e+02	6.03e+01	-5.91e+02	7.61e+02	-4.39e+02	-	1.05e+03	6.00e+02	
280	STL ENV_STR(al l)		Cent	Top	2.52e+02	5.53e+01	-5.52e+02	7.15e+02	-4.07e+02	-	9.84e+02	5.61e+02
			Bot	2.51e+02	5.24e+01	-5.53e+02	7.13e+02	-4.10e+02	-	9.85e+02	5.62e+02	
281	STL ENV_STR(al l)		Cent	Top	2.09e+02	4.62e+01	-4.80e+02	6.15e+02	-3.59e+02	-	8.53e+02	4.87e+02
			Bot	2.09e+02	4.39e+01	-4.80e+02	6.14e+02	-3.61e+02	-	8.53e+02	4.87e+02	
282	STL ENV_STR(al l)		Cent	Top	1.86e+02	4.42e+01	-4.45e+02	5.66e+02	-3.36e+02	-	7.90e+02	4.51e+02
			Bot	1.85e+02	4.21e+01	-4.46e+02	5.65e+02	-3.38e+02	-	7.90e+02	4.52e+02	
283	STL ENV_STR(al l)		Cent	Top	1.63e+02	4.31e+01	-4.12e+02	5.19e+02	-3.13e+02	-	7.28e+02	4.16e+02
			Bot	1.62e+02	4.12e+01	-4.12e+02	5.18e+02	-3.15e+02	-	7.29e+02	4.17e+02	
284	STL ENV_STR(al l)		Cent	Top	1.20e+02	4.20e+01	-3.45e+02	4.29e+02	-2.66e+02	-	6.07e+02	3.47e+02
			Bot	1.20e+02	4.05e+01	-3.46e+02	4.28e+02	-2.68e+02	-	6.08e+02	3.48e+02	
285	STL ENV_STR(al l)		Cent	Top	1.02e+02	4.18e+01	-3.12e+02	3.85e+02	-2.42e+02	-	5.48e+02	3.14e+02
			Bot	1.01e+02	4.05e+01	-3.13e+02	3.85e+02	-2.43e+02	-	5.49e+02	3.14e+02	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
286	STL ENV_STR(a11)		Cent	Top	8.48e+001	4.18e+001	-2.79e+002	3.43e+002	-2.17e+002	-	4.89e+002	2.80e+002
			Bot	01	8.45e+001	4.05e+001	-2.80e+002	3.43e+002	-2.18e+002	-	4.90e+002	2.81e+002
287	STL ENV_STR(a11)		Cent	Top	5.62e+001	4.18e+001	-2.13e+002	2.63e+002	-1.64e+002	-	3.73e+002	2.13e+002
			Bot	01	5.60e+001	4.08e+001	-2.14e+002	2.62e+002	-1.66e+002	-	3.74e+002	2.14e+002
288	STL ENV_STR(a11)		Cent	Top	4.44e+001	4.21e+001	-1.80e+002	2.24e+002	-1.37e+002	-	3.15e+002	1.80e+002
			Bot	01	4.41e+001	4.11e+001	-1.81e+002	2.23e+002	-1.38e+002	-	3.16e+002	1.81e+002
289	STL ENV_STR(a11)		Cent	Top	3.38e+001	4.28e+001	-1.47e+002	1.85e+002	-1.09e+002	-	2.58e+002	1.47e+002
			Bot	01	3.35e+001	4.19e+001	-1.48e+002	1.85e+002	-1.10e+002	-	2.59e+002	1.48e+002
290	STL ENV_STR(a11)		Cent	Top	1.24e+001	4.76e+001	-7.84e+001	1.10e+002	-5.04e+001	-	1.42e+002	8.04e+001
			Bot	01	1.21e+001	4.69e+001	-7.90e+001	1.10e+002	-5.14e+001	-	1.43e+002	8.09e+001
291	STL ENV_STR(a11)		Cent	Top	1.20e+000	4.54e+001	-3.97e+001	6.87e+001	-2.21e+001	-	8.20e+001	4.54e+001
			Bot	00	1.04e+000	4.47e+001	-4.02e+001	6.86e+001	-2.29e+001	-	8.25e+001	4.58e+001
292	STL ENV_STR(a11)		Cent	Top	-1.76e+000	2.49e+001	-5.47e+000	2.60e+001	-2.84e+000	-	2.76e+001	1.44e+001
			Bot	00	-1.81e+000	2.43e+001	-6.12e+000	2.57e+001	-3.17e+000	-	2.74e+001	1.44e+001
439	STL ENV_STR(a11)		Cent	Top	-3.60e+001	5.14e-001	3.83e+002	3.66e+002	-4.01e+002	-	6.64e+002	3.83e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	3.71e+001	6.43e-002	3.82e+002	3.64e+002	4.01e+002	-	6.63e+002	3.83e+002	
440	STL ENV_STR(al l)		Cent	Top	4.45e+000	9.15e+001	5.12e+002	5.58e+002	4.71e+002	-	8.92e+002	5.15e+002
			Bot	4.29e+000	9.15e+001	5.12e+002	5.57e+002	4.70e+002	-	8.91e+002	5.14e+002	
441	STL ENV_STR(al l)		Cent	Top	2.24e+001	5.29e+001	1.34e+003	1.36e+003	1.33e+003	-	2.33e+003	1.34e+003
			Bot	2.30e+001	5.23e+001	1.34e+003	1.36e+003	1.33e+003	-	2.33e+003	1.34e+003	
442	STL ENV_STR(al l)		Cent	Top	2.76e+002	4.40e+001	1.44e+003	1.29e+003	1.61e+003	-	2.51e+003	1.45e+003
			Bot	2.77e+002	4.39e+001	1.44e+003	1.28e+003	1.60e+003	-	2.51e+003	1.44e+003	
443	STL ENV_STR(al l)		Cent	Top	1.83e+002	1.06e+003	3.33e+001	1.81e+002	1.06e+003	-	9.85e+002	5.32e+002
			Bot	1.86e+002	1.07e+003	3.37e+001	1.84e+002	1.07e+003	-	9.89e+002	5.34e+002	
444	STL ENV_STR(al l)		Cent	Top	1.90e+002	5.91e+001	6.32e+002	5.79e+002	7.10e+002	-	1.12e+003	6.45e+002
			Bot	1.93e+002	5.08e+001	6.33e+002	5.74e+002	7.16e+002	-	1.12e+003	6.45e+002	
445	STL ENV_STR(al l)		Cent	Top	6.14e+001	4.45e+001	1.27e+003	1.32e+003	1.21e+003	-	2.20e+003	1.27e+003
			Bot	6.17e+001	4.45e+001	1.27e+003	1.32e+003	1.21e+003	-	2.19e+003	1.27e+003	
446	STL ENV_STR(al l)		Cent	Top	1.29e+002	3.92e+000	1.33e+003	1.27e+003	1.40e+003	-	2.31e+003	1.34e+003
			Bot	1.29e+002	4.12e+000	1.33e+003	1.27e+003	1.40e+003	-	2.31e+003	1.33e+003	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
447	STL ENV_STR(al l)		Cent	Top	- 3.85e+00 2	- 2.71e+00 2	1.38e+00 3	1.05e+00 3	- 1.71e+00 3	-	2.41e+00 3	1.38e+00 3
			Bot	02	3.82e+00 2	2.70e+00 2	1.38e+00 3	1.05e+00 3	- 1.70e+00 3	-	2.41e+00 3	1.38e+00 3
448	STL ENV_STR(al l)		Cent	Top	- 3.20e+00 2	- 3.04e+00 2	- 7.38e+00 2	4.26e+00 2	- 1.05e+00 3	-	1.32e+00 3	7.38e+00 2
			Bot	02	3.24e+00 2	3.13e+00 2	7.39e+00 2	4.21e+00 2	- 1.06e+00 3	-	1.32e+00 3	7.39e+00 2
449	STL ENV_STR(al l)		Cent	Top	- 3.22e+00 1	- 5.94e+00 1	3.83e+00 2	3.38e+00 2	- 4.29e+00 2	-	6.66e+00 2	3.83e+00 2
			Bot	01	3.14e+00 1	5.88e+00 1	3.82e+00 2	3.38e+00 2	- 4.28e+00 2	-	6.64e+00 2	3.83e+00 2
450	STL ENV_STR(al l)		Cent	Top	3.09e+00 1	- 5.22e+00 1	4.06e+00 2	3.98e+00 2	- 4.19e+00 2	-	7.07e+00 2	4.08e+00 2
			Bot	01	3.07e+00 1	- 5.23e+00 1	4.05e+00 2	3.97e+00 2	- 4.18e+00 2	-	7.06e+00 2	4.08e+00 2
451	STL ENV_STR(al l)		Cent	Top	3.12e+00 2	- 1.92e+00 1	1.27e+00 3	1.42e+00 3	- 1.13e+00 3	-	2.21e+00 3	1.28e+00 3
			Bot	02	3.12e+00 1	- 1.86e+00 3	1.26e+00 3	1.42e+00 3	- 1.13e+00 3	-	2.21e+00 3	1.27e+00 3
452	STL ENV_STR(al l)		Cent	Top	7.81e+00 2	4.46e+00 1	1.38e+00 3	1.84e+00 3	- 1.02e+00 3	-	2.51e+00 3	1.43e+00 3
			Bot	02	7.81e+00 1	4.47e+00 3	1.38e+00 3	1.84e+00 3	- 1.02e+00 3	-	2.51e+00 3	1.43e+00 3
453	STL ENV_STR(al l)		Cent	Top	1.17e+00 3	- 1.48e+00 2	- 9.55e+00 1	1.17e+00 3	- 1.55e+00 2	-	1.26e+00 3	6.65e+00 2
			Bot	03	1.17e+00 2	- 1.47e+00 2	9.81e+00 1	1.17e+00 3	- 1.54e+00 2	-	1.26e+00 3	6.64e+00 2
454	STL ENV_STR(al l)		Cent	Top	6.04e+00 1	- 8.75e+00 1	1.16e+00 3	1.15e+00 3	- 1.18e+00 3	-	2.02e+00 3	1.17e+00 3

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	6.11e+001	-8.70e+001	1.16e+003	1.15e+003	-1.18e+003	-	2.02e+003	1.17e+003	
455	STL ENV_STR(al l)		Cent	Top	5.88e+002	8.48e+001	1.28e+003	1.64e+003	-9.69e+002	-	2.29e+003	1.31e+003
			Bot	5.85e+002	8.33e+001	1.28e+003	1.64e+003	-9.70e+002	-	2.28e+003	1.30e+003	
456	STL ENV_STR(al l)		Cent	Top	9.94e+002	9.40e+001	1.23e+003	1.86e+003	-7.68e+002	-	2.34e+003	1.31e+003
			Bot	9.95e+002	9.55e+001	1.23e+003	1.86e+003	-7.65e+002	-	2.33e+003	1.31e+003	
457	STL ENV_STR(al l)		Cent	Top	9.81e+002	-8.51e+001	-5.31e+002	1.20e+003	-3.05e+002	-	1.38e+003	7.53e+002
			Bot	9.80e+002	-8.45e+001	-5.33e+002	1.20e+003	-3.05e+002	-	1.38e+003	7.53e+002	
458	STL ENV_STR(al l)		Cent	Top	-3.25e+001	7.73e+001	-5.18e+002	5.43e+002	-4.98e+002	-	9.02e+002	5.20e+002
			Bot	-3.38e+001	7.25e+001	-5.18e+002	5.40e+002	-5.02e+002	-	9.02e+002	5.21e+002	
459	STL ENV_STR(al l)		Cent	Top	2.79e+000	6.87e+001	-3.84e+002	4.21e+002	-3.50e+002	-	6.69e+002	3.86e+002
			Bot	2.05e+000	6.60e+001	-3.85e+002	4.20e+002	-3.52e+002	-	6.70e+002	3.86e+002	
460	STL ENV_STR(al l)		Cent	Top	2.05e+001	6.77e+001	-2.51e+002	2.96e+002	-2.08e+002	-	4.38e+002	2.52e+002
			Bot	2.00e+001	6.59e+001	-2.51e+002	2.95e+002	-2.09e+002	-	4.39e+002	2.52e+002	
461	STL ENV_STR(al l)		Cent	Top	2.54e+001	7.05e+001	-1.19e+002	1.69e+002	-7.27e+001	-	2.14e+002	1.21e+002
			Bot	2.49e+001	6.86e+001	-1.19e+002	1.68e+002	-7.43e+001	-	2.15e+002	1.21e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
462	STL ENV_STR(a11)		Cent	Top	7.01e+00 2	- 2.07e+00 1	- 6.27e+00 2	1.06e+00 3	- 3.83e+00 2	-	1.30e+00 3	7.24e+00 2
			Bot	7.02e+00 02	- 1.99e+00 1	- 6.28e+00 2	1.07e+00 3	- 3.83e+00 2	-	1.30e+00 03	7.24e+00 2	
463	STL ENV_STR(a11)		Cent	Top	4.99e+00 2	2.03e+00 1	- 4.83e+00 2	7.99e+00 2	- 2.80e+00 2	-	9.69e+00 2	5.39e+00 2
			Bot	4.99e+00 02	1.99e+00 1	- 4.84e+00 2	7.99e+00 2	- 2.80e+00 2	-	9.70e+00 02	5.40e+00 2	
464	STL ENV_STR(a11)		Cent	Top	2.77e+00 2	1.71e+00 1	- 3.52e+00 2	5.22e+00 2	- 2.28e+00 2	-	6.66e+00 2	3.75e+00 2
			Bot	2.77e+00 02	1.64e+00 1	- 3.52e+00 2	5.22e+00 2	- 2.29e+00 2	-	6.66e+00 02	3.75e+00 2	
465	STL ENV_STR(a11)		Cent	Top	1.17e+00 2	1.68e+00 1	- 2.29e+00 2	3.01e+00 2	- 1.67e+00 2	-	4.11e+00 2	2.34e+00 2
			Bot	1.17e+00 02	1.64e+00 1	- 2.29e+00 2	3.01e+00 2	- 1.68e+00 2	-	4.12e+00 02	2.35e+00 2	
466	STL ENV_STR(a11)		Cent	Top	2.19e+00 1	1.80e+00 1	- 1.03e+00 2	1.23e+00 2	- 8.33e+00 1	-	1.80e+00 2	1.03e+00 2
			Bot	2.19e+00 01	1.82e+00 1	- 1.04e+00 2	1.24e+00 2	- 8.37e+00 1	-	1.81e+00 02	1.04e+00 2	
467	STL ENV_STR(a11)		Cent	Top	- 1.24e+00 2	8.65e+00 1	- 6.01e+00 2	5.92e+00 2	- 6.29e+00 2	-	1.06e+00 3	6.10e+00 2
			Bot	- 1.26e+00 02	7.91e+00 1	- 6.02e+00 2	5.87e+00 2	- 6.34e+00 2	-	1.06e+00 03	6.10e+00 2	
468	STL ENV_STR(a11)		Cent	Top	- 8.03e+00 1	8.88e+00 1	- 5.77e+00 2	5.87e+00 2	- 5.79e+00 2	-	1.01e+00 3	5.83e+00 2
			Bot	- 8.22e+00 01	8.23e+00 1	- 5.78e+00 2	5.84e+00 2	- 5.83e+00 2	-	1.01e+00 03	5.84e+00 2	
469	STL ENV_STR(a11)		Cent	Top	- 5.12e+00 1	8.30e+00 1	- 5.49e+00 2	5.69e+00 2	- 5.37e+00 2	-	9.58e+00 2	5.53e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	5.28e+001	7.75e+001	5.50e+002	5.66e+002	5.41e+002	-	9.59e+002	5.54e+002	
470	STL ENV_STR(al l)		Cent	Top	1.99e+001	7.34e+001	4.85e+002	5.14e+002	4.60e+002	-	8.44e+002	4.87e+002
			Bot	2.11e+001	6.93e+001	4.85e+002	5.11e+002	4.63e+002	-	8.44e+002	4.87e+002	
471	STL ENV_STR(al l)		Cent	Top	1.07e+001	7.10e+001	4.51e+002	4.83e+002	4.23e+002	-	7.85e+002	4.53e+002
			Bot	1.17e+001	6.75e+001	4.52e+002	4.81e+002	4.26e+002	-	7.86e+002	4.54e+002	
472	STL ENV_STR(al l)		Cent	Top	3.38e+000	6.95e+001	4.18e+002	4.52e+002	3.86e+002	-	7.27e+002	4.19e+002
			Bot	4.23e+000	6.65e+001	4.18e+002	4.51e+002	3.89e+002	-	7.28e+002	4.20e+002	
473	STL ENV_STR(al l)		Cent	Top	8.16e+000	6.82e+001	3.51e+002	3.90e+002	3.14e+002	-	6.11e+002	3.52e+002
			Bot	7.50e+000	6.58e+001	3.51e+002	3.89e+002	3.16e+002	-	6.12e+002	3.53e+002	
474	STL ENV_STR(al l)		Cent	Top	1.29e+001	6.79e+001	3.17e+002	3.59e+002	2.78e+002	-	5.53e+002	3.19e+002
			Bot	1.23e+001	6.57e+001	3.18e+002	3.58e+002	2.80e+002	-	5.54e+002	3.19e+002	
475	STL ENV_STR(al l)		Cent	Top	1.70e+001	6.77e+001	2.84e+002	3.27e+002	2.43e+002	-	4.96e+002	2.85e+002
			Bot	1.65e+001	6.58e+001	2.84e+002	3.27e+002	2.44e+002	-	4.96e+002	2.86e+002	
476	STL ENV_STR(al l)		Cent	Top	2.34e+001	6.78e+001	2.17e+002	2.64e+002	1.73e+002	-	3.81e+002	2.18e+002
			Bot	2.29e+001	6.60e+001	2.18e+002	2.63e+002	1.74e+002	-	3.82e+002	2.19e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
477	STL ENV_STR(al l)		Cent	Top	2.53e+00 1	6.81e+00 1	- 1.84e+00 2	2.32e+00 2	- 1.39e+00 2	-	3.24e+00 2	1.85e+00 2
			Bot	01	2.49e+00 1	6.64e+00 1	- 1.85e+00 2	2.31e+00 2	- 1.40e+00 2	-	3.25e+00 02	1.86e+00 2
478	STL ENV_STR(al l)		Cent	Top	2.62e+00 1	6.88e+00 1	- 1.51e+00 2	2.00e+00 2	- 1.05e+00 2	-	2.68e+00 2	1.52e+00 2
			Bot	01	2.57e+00 1	6.70e+00 1	- 1.51e+00 2	1.99e+00 2	- 1.07e+00 2	-	2.69e+00 02	1.53e+00 2
479	STL ENV_STR(al l)		Cent	Top	2.09e+00 1	7.53e+00 1	- 8.73e+00 1	1.40e+00 2	- 4.33e+00 1	-	1.66e+00 2	9.14e+00 1
			Bot	01	2.03e+00 1	7.33e+00 1	- 8.79e+00 1	1.39e+00 2	- 4.49e+00 1	-	1.66e+00 02	9.18e+00 1
480	STL ENV_STR(al l)		Cent	Top	5.96e+00 0	8.06e+00 1	- 5.07e+00 1	1.06e+00 2	- 1.97e+00 1	-	1.17e+00 2	6.30e+00 1
			Bot	00	5.30e+00 1	7.85e+00 1	- 5.12e+00 1	1.05e+00 2	- 2.10e+00 1	-	1.17e+00 02	6.30e+00 1
481	STL ENV_STR(al l)		Cent	Top	- 2.42e+00 0	4.15e+00 1	- 1.72e+00 0	4.16e+00 1	- 2.48e+00 0	-	4.29e+00 1	2.20e+00 1
			Bot	00	2.75e+00 1	3.92e+00 1	- 2.23e+00 0	3.93e+00 1	- 2.87e+00 0	-	4.08e+00 01	2.11e+00 1
482	STL ENV_STR(al l)		Cent	Top	6.86e+00 2	3.81e+00 1	- 6.19e+00 2	1.06e+00 3	- 3.36e+00 2	-	1.26e+00 3	6.98e+00 2
			Bot	02	6.86e+00 1	3.87e+00 1	- 6.19e+00 2	1.06e+00 3	- 3.36e+00 2	-	1.26e+00 03	6.99e+00 2
483	STL ENV_STR(al l)		Cent	Top	6.24e+00 2	2.62e+00 1	- 5.66e+00 2	9.65e+00 2	- 3.15e+00 2	-	1.16e+00 3	6.40e+00 2
			Bot	02	6.24e+00 1	2.63e+00 1	- 5.67e+00 2	9.66e+00 2	- 3.15e+00 2	-	1.16e+00 03	6.41e+00 2
484	STL ENV_STR(al l)		Cent	Top	5.62e+00 2	2.31e+00 1	- 5.22e+00 2	8.80e+00 2	- 2.95e+00 2	-	1.06e+00 3	5.87e+00 2



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	5.62e+02	2.29e+01	-5.22e+02	8.80e+02	-2.95e+02	-	1.06e+03	5.88e+02	
485	STL ENV_STR(al l)		Cent	Top	4.39e+02	1.87e+01	-4.48e+02	7.23e+02	-2.66e+02	-	8.87e+02	4.95e+02
			Bot	02	4.39e+02	1.81e+01	-4.48e+02	7.24e+02	-2.67e+02	-	8.88e+02	4.95e+02
486	STL ENV_STR(al l)		Cent	Top	3.81e+02	1.78e+01	-4.15e+02	6.52e+02	-2.54e+02	-	8.09e+02	4.53e+02
			Bot	02	3.81e+02	1.72e+01	-4.15e+02	6.52e+02	-2.54e+02	-	8.10e+02	4.53e+02
487	STL ENV_STR(al l)		Cent	Top	3.27e+02	1.73e+01	-3.83e+02	5.85e+02	-2.41e+02	-	7.36e+02	4.13e+02
			Bot	02	3.27e+02	1.67e+01	-3.83e+02	5.85e+02	-2.42e+02	-	7.37e+02	4.14e+02
488	STL ENV_STR(al l)		Cent	Top	2.31e+02	1.69e+01	-3.21e+02	4.62e+02	-2.14e+02	-	5.99e+02	3.38e+02
			Bot	02	2.30e+02	1.63e+01	-3.21e+02	4.62e+02	-2.15e+02	-	5.99e+02	3.39e+02
489	STL ENV_STR(al l)		Cent	Top	1.88e+02	1.68e+01	-2.90e+02	4.05e+02	-2.00e+02	-	5.34e+02	3.02e+02
			Bot	02	1.88e+02	1.63e+01	-2.90e+02	4.05e+02	-2.01e+02	-	5.35e+02	3.03e+02
490	STL ENV_STR(al l)		Cent	Top	1.51e+02	1.68e+01	-2.59e+02	3.52e+02	-1.84e+02	-	4.71e+02	2.68e+02
			Bot	02	1.50e+02	1.63e+01	-2.60e+02	3.52e+02	-1.85e+02	-	4.72e+02	2.68e+02
491	STL ENV_STR(al l)		Cent	Top	8.71e+01	1.68e+01	-1.98e+02	2.53e+02	-1.49e+02	-	3.52e+02	2.01e+02
			Bot	01	8.71e+01	1.65e+01	-1.98e+02	2.53e+02	-1.50e+02	-	3.53e+02	2.01e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
492	STL ENV_STR(al l)		Cent	Top	6.15e+00 1	1.69e+00 1	- 1.67e+00 2	2.08e+00 2	- 1.29e+00 2	-	2.94e+00 2	1.68e+00 2
			Bot	01	6.15e+00 1	1.67e+00 1	- 1.67e+00 2	2.08e+00 2	- 1.30e+00 2	-	2.95e+00 02	1.69e+00 2
493	STL ENV_STR(al l)		Cent	Top	3.99e+00 1	1.72e+00 1	- 1.36e+00 2	1.65e+00 2	- 1.08e+00 2	-	2.37e+00 2	1.36e+00 2
			Bot	01	3.98e+00 1	1.72e+00 1	- 1.36e+00 2	1.65e+00 2	- 1.08e+00 2	-	2.38e+00 02	1.37e+00 2
494	STL ENV_STR(al l)		Cent	Top	7.73e+00 0	1.90e+00 1	- 6.91e+00 1	8.26e+00 1	- 5.59e+00 1	-	1.21e+00 2	6.93e+00 1
			Bot	00	7.82e+00 00	1.94e+00 1	- 6.95e+00 1	8.34e+00 1	- 5.61e+00 1	-	1.22e+00 02	6.97e+00 1
495	STL ENV_STR(al l)		Cent	Top	-9.47e- 001	1.70e+00 1	- 3.46e+00 1	4.38e+00 1	- 2.77e+00 1	-	6.24e+00 1	3.58e+00 1
			Bot	001	-6.36e- 001	1.78e+00 1	- 3.51e+00 1	4.48e+00 1	- 2.77e+00 1	-	6.34e+00 01	3.63e+00 1
496	STL ENV_STR(al l)		Cent	Top	- 1.74e+00 0	9.20e+00 0	- 7.56e+00 0	1.31e+00 1	- 5.61e+00 0	-	1.66e+00 1	9.34e+00 0
			Bot	00	- 1.48e+00 00	1.04e+00 1	- 8.06e+00 0	1.45e+00 1	- 5.55e+00 0	-	1.79e+00 01	1.00e+00 1
593	STL ENV_STR(al l)		Cent	Top	2.89e+00 2	2.09e+00 1	- 1.21e+00 0	2.89e+00 2	2.09e+00 1	-	2.79e+00 2	1.45e+00 2
			Bot	02	2.51e+00 02	1.01e+00 2	6.12e+00 0	2.51e+00 2	1.01e+00 2	-	2.19e+00 02	1.26e+00 2
594	STL ENV_STR(al l)		Cent	Top	1.92e+00 2	4.08e+00 1	5.13e+00 1	2.07e+00 2	2.49e+00 1	-	1.96e+00 2	1.04e+00 2
			Bot	02	1.86e+00 02	2.76e+00 1	6.01e+00 1	2.06e+00 2	7.41e+00 0	-	2.03e+00 02	1.03e+00 2
595	STL ENV_STR(al l)		Cent	Top	5.35e+00 1	1.38e+00 2	- 1.61e+00 2	2.62e+00 2	- 7.10e+00 1	-	3.04e+00 2	1.67e+00 2
			Bot	01	5.71e+00 01	1.17e+00 2	- 1.39e+00	2.30e+00 2	- 5.53e+00	-	2.62e+00 02	1.42e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
						2		1				
596	STL ENV_STR(a11)		Cent	Top	4.11e+00 1	5.46e+00 2	- 4.46e+00 1	5.50e+00 2	3.72e+00 1	-	5.33e+00 2	2.75e+00 2
			Bot	- 1.01e+00 01	4.84e+00 2	- 2.07e+00 2	5.59e+00 2	- 8.56e+00 1	-	6.06e+00 02	3.22e+00 2	
597	STL ENV_STR(a11)		Cent	Top	- 4.25e+00 0	1.09e+00 3	- 3.65e+00 1	1.10e+00 3	- 5.47e+00 0	-	1.10e+00 3	5.50e+00 2
			Bot	- 4.05e+00 00	1.06e+00 3	- 1.78e+00 2	1.09e+00 3	- 3.31e+00 1	-	1.10e+00 03	5.59e+00 2	
598	STL ENV_STR(a11)		Cent	Top	- 1.70e+00 1	1.54e+00 3	- 2.97e+00 1	1.54e+00 3	- 1.76e+00 1	-	1.55e+00 3	7.78e+00 2
			Bot	- 7.35e+00 00	1.23e+00 3	3.16e+00 1	1.23e+00 3	- 8.16e+00 0	-	1.23e+00 03	6.19e+00 2	
599	STL ENV_STR(a11)		Cent	Top	- 7.35e+00 0	1.22e+00 3	5.92e+00 1	1.22e+00 3	- 1.02e+00 1	-	1.23e+00 3	6.17e+00 2
			Bot	-2.99e- 002	1.10e+00 3	6.71e+00 1	1.11e+00 3	- 4.10e+00 0	-	1.11e+00 03	5.56e+00 2	
600	STL ENV_STR(a11)		Cent	Top	1.84e+00 2	1.87e+00 2	1.88e+00 2	3.73e+00 2	- 2.21e+00 0	-	3.75e+00 2	1.88e+00 2
			Bot	2.93e+00 01	9.66e+00 1	1.48e+00 2	2.15e+00 2	- 8.88e+00 1	-	2.70e+00 02	1.52e+00 2	
601	STL ENV_STR(a11)		Cent	Top	1.33e+00 2	5.78e+00 2	1.32e+00 2	6.14e+00 2	9.72e+00 1	-	5.72e+00 2	3.07e+00 2
			Bot	- 4.39e+00 01	4.60e+00 2	2.90e+00 2	5.92e+00 2	- 1.76e+00 2	-	6.97e+00 02	3.84e+00 2	
602	STL ENV_STR(a11)		Cent	Top	- 9.03e+00 1	1.06e+00 3	1.20e+00 2	1.07e+00 3	- 1.03e+00 2	-	1.12e+00 3	5.86e+00 2
			Bot	6.06e+00 01	1.16e+00 3	2.72e+00 2	1.22e+00 3	- 3.31e+00 0	-	1.22e+00 03	6.11e+00 2	
603	STL ENV_STR(a11)		Cent	Top	- 8.17e+00	1.56e+00 3	2.47e+00 1	1.56e+00 3	- 8.20e+00	-	1.61e+00 3	8.23e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)				1				1			
			Bot	1.41e+001	1.30e+003	-4.83e+001	1.30e+003	1.23e+001	-	1.30e+003	6.51e+002	
604	STL ENV_STR(al1)		Cent	Top	-1.71e+001	1.21e+003	-1.06e+002	1.22e+003	-2.62e+001	-	1.23e+003	6.22e+002
			Bot	3.68e+000	1.12e+003	-1.15e+002	1.13e+003	7.99e+000	-	1.14e+003	5.71e+002	
605	STL ENV_STR(al1)		Cent	Top	3.19e+001	-1.62e+002	-3.13e+001	3.68e+001	-1.67e+002	-	1.88e+002	1.02e+002
			Bot	3.05e+002	7.12e+002	2.16e+001	7.13e+002	3.04e+002	-	6.20e+002	3.56e+002	
606	STL ENV_STR(al1)		Cent	Top	9.24e+001	9.47e+002	-1.22e+002	9.64e+002	7.54e+001	-	9.28e+002	4.82e+002
			Bot	9.16e+000	5.83e+002	-2.08e+002	6.49e+002	7.49e+001	-	6.89e+002	3.62e+002	
607	STL ENV_STR(al1)		Cent	Top	1.71e+002	1.81e+003	-7.13e+001	1.82e+003	1.68e+002	-	1.74e+003	9.08e+002
			Bot	1.93e+002	6.42e+002	-7.24e+001	6.48e+002	1.99e+002	-	7.67e+002	4.24e+002	
608	STL ENV_STR(al1)		Cent	Top	-2.60e+001	1.40e+003	2.45e+001	1.40e+003	-2.64e+001	-	1.41e+003	7.11e+002
			Bot	1.50e+001	1.19e+003	7.36e+001	1.20e+003	1.04e+001	-	1.19e+003	5.99e+002	
609	STL ENV_STR(al1)		Cent	Top	1.16e+002	-1.79e+002	1.29e+002	1.64e+002	-2.27e+002	-	3.40e+002	1.96e+002
			Bot	3.03e+002	6.51e+002	9.89e+001	6.77e+002	2.77e+002	-	5.89e+002	3.38e+002	
610	STL ENV_STR(al1)		Cent	Top	1.31e+002	9.61e+002	2.30e+002	1.02e+003	7.18e+001	-	9.87e+002	5.10e+002
			Bot	4.70e+001	5.44e+002	2.85e+002	6.59e+002	-1.62e+002	-	7.53e+002	4.11e+002	
611	STL		Cent	Top	1.01e+000	1.85e+000	1.23e+000	1.86e+000	9.20e+000	-	1.81e+000	9.30e+000

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )			
	ENV_STR(al1)		Cent		2	3	2	3	1		3	2			
			Bot		2.11e+02	7.45e+02	1.53e+02	7.69e+02	2.35e+02	-	9.10e+02	5.02e+02			
612	STL ENV_STR(al1)		Cent	Top	-	3.81e+03	1.43e+03	-	7.76e+03	1.44e+03	-	4.22e+03	-	1.46e+03	7.40e+02
			Bot		7.05e+00	1.20e+03	-	9.37e+03	1.20e+03	-2.98e-001	-	1.20e+03	6.02e+02		
613	STL ENV_STR(al1)		Cent	Top	1.20e+02	1.25e+01	-	5.26e+01	1.41e+02	-	9.04e+00	-	1.46e+02	7.51e+01	
			Bot		1.10e+02	-	1.84e+02	3.26e+01	1.14e+02	-	1.87e+02	-	2.63e+02	1.50e+02	
614	STL ENV_STR(al1)		Cent	Top	5.60e+02	6.59e+01	-	5.54e+01	5.66e+02	5.98e+01	-	5.39e+02	2.83e+02		
			Bot		1.89e+02	1.18e+02	-	7.71e+01	2.38e+02	6.83e+01	-	2.13e+02	1.19e+02		
615	STL ENV_STR(al1)		Cent	Top	3.97e+02	2.15e+02	-	1.67e+02	4.96e+02	1.16e+02	-	4.49e+02	2.48e+02		
			Bot		1.03e+02	3.54e+01	-	1.33e+02	1.16e+02	-	1.84e+02	-	2.61e+02	1.50e+02	
616	STL ENV_STR(al1)		Cent	Top	2.52e+02	5.88e+02	-	2.67e+02	7.36e+02	1.04e+02	-	6.90e+02	3.68e+02		
			Bot		1.21e+02	4.14e+02	-	3.49e+02	5.86e+02	-	2.93e+02	-	7.75e+02	4.40e+02	
617	STL ENV_STR(al1)		Cent	Top	-	2.59e+02	1.02e+03	-	2.70e+02	1.08e+03	-	3.14e+02	-	1.26e+03	6.95e+02
			Bot		1.97e+02	1.24e+03	-	3.60e+02	1.35e+03	8.48e+01	-	1.31e+03	6.76e+02		
618	STL ENV_STR(al1)		Cent	Top	-	1.86e+02	1.62e+03	1.08e+01	1.62e+03	-	1.86e+02	-	1.72e+03	9.01e+02	
			Bot		5.97e+0	1.38e+0	5.74e+0	1.39e+0	5.72e+0	-	1.36e+0	6.93e+0			

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	3	1	3	1		03	2	
619	STL ENV_STR(al l)		Cent	Top	- 1.63e+00 1	- 2.25e+00 0	5.27e+00 1	4.39e+00 1	- 6.24e+00 1	-	9.25e+00 1	5.31e+00 1
			Bot	01	1.45e+0 01	6.53e+00 1	6.06e+00 1	1.06e+00 2	- 2.57e+00 1	-	1.21e+0 02	6.57e+00 1
620	STL ENV_STR(al l)		Cent	Top	9.75e+00 0	5.02e+00 2	- 2.41e+00 1	5.04e+00 2	8.57e+00 0	-	4.99e+00 2	2.52e+00 2
			Bot		-8.04e- 002	4.74e+00 2	1.15e+00 2	5.01e+00 2	- 2.65e+00 1	-	5.15e+0 02	2.64e+00 2
621	STL ENV_STR(al l)		Cent	Top	- 5.60e+00 0	1.12e+00 3	- 5.70e+00 1	1.12e+00 3	- 8.49e+00 0	-	1.13e+00 3	5.65e+00 2
			Bot		- 1.23e+0 01	9.73e+00 2	1.22e+00 2	9.88e+00 2	- 2.72e+00 1	-	1.00e+0 03	5.08e+00 2
622	STL ENV_STR(al l)		Cent	Top	2.83e+00 0	1.53e+00 3	1.93e+00 1	1.53e+00 3	2.59e+00 0	-	1.53e+00 3	7.66e+00 2
			Bot		- 6.34e+0 00	1.17e+00 3	- 1.46e+00 1	1.17e+00 3	- 6.52e+00 0	-	1.17e+0 03	5.87e+00 2
623	STL ENV_STR(al l)		Cent	Top	4.93e+00 2	- 1.55e+00 2	- 2.19e+00 2	5.60e+00 2	- 2.22e+00 2	-	6.99e+00 2	3.91e+00 2
			Bot	01	5.64e+0 02	4.70e+00 2	- 2.10e+00 2	5.58e+00 2	- 3.15e+00 1	-	5.74e+0 02	2.95e+00 2
624	STL ENV_STR(al l)		Cent	Top	9.42e+00 1	9.52e+00 2	- 3.14e+00 2	1.05e+00 3	- 8.49e+00 0	-	1.06e+00 3	5.32e+00 2
			Bot	00	- 6.29e+0 00	5.32e+00 2	- 3.26e+00 2	6.86e+00 2	- 1.60e+00 2	-	7.78e+0 02	4.23e+00 2
625	STL ENV_STR(al l)		Cent	Top	- 3.41e+00 2	1.82e+00 3	- 2.17e+00 2	1.84e+00 3	- 3.63e+00 2	-	2.05e+00 3	1.10e+00 3
			Bot	01	9.55e+0 02	9.99e+00 2	- 2.46e+00 2	1.06e+00 3	3.30e+00 1	-	1.05e+0 03	5.31e+00 2
626	STL ENV_STR(al		Cent	Top	- 4.13e+00	1.48e+00 3	1.29e+00 2	1.49e+00 3	- 5.21e+00	-	1.52e+00 3	7.70e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle [[deg]]	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)				1				1			
			Bot		1.92e+00	1.22e+00	1.30e+00	1.23e+00	3.27e+00	-	1.25e+00	6.31e+00
627	STL ENV_STR(al l)		Cent	Top	4.96e+00	-	1.04e+00	4.39e+00	6.13e+00	1.15e+00	-	1.55e+00
			Bot		2.38e+00	9.15e+00	-	1.50e+00	9.46e+00	2.06e+00	-	8.62e+00
628	STL ENV_STR(al l)		Cent	Top	9.36e+00	1.04e+00	6.79e+00	1.04e+00	8.88e+00	-	1.00e+00	5.22e+00
			Bot		7.59e+00	5.26e+00	9.13e+00	5.41e+00	2.28e+00	-	5.53e+00	2.82e+00
629	STL ENV_STR(al l)		Cent	Top	1.14e+00	1.77e+00	3.02e+00	1.77e+00	1.13e+00	-	1.72e+00	8.87e+00
			Bot		8.66e+00	5.54e+00	2.69e+00	5.54e+00	8.66e+00	-	6.02e+00	3.20e+00
630	STL ENV_STR(al l)		Cent	Top	-	1.09e+00	1.36e+00	1.06e+00	1.36e+00	1.10e+00	-	1.37e+00
			Bot		1.09e+00	1.20e+00	-	4.33e+00	1.20e+00	9.36e+00	-	1.19e+00
631	STL ENV_STR(al l)		Cent	Top	-	3.91e+00	1.20e+00	1.60e+00	1.22e+00	5.94e+00	-	1.25e+00
			Bot		1.84e+00	1.15e+00	1.70e+00	1.17e+00	6.56e+00	-	1.18e+00	
632	STL ENV_STR(al l)		Cent	Top	1.00e+00	7.50e+00	5.32e+00	7.54e+00	2.76e+00	-	7.55e+00	
			Bot		1.56e+00	6.90e+00	5.73e+00	6.94e+00	3.19e+00	-	6.96e+00	
633	STL ENV_STR(al l)		Cent	Top	7.75e+00	7.35e+00	1.28e+00	7.57e+00	1.40e+00	-	7.64e+00	
			Bot		6.23e+00	6.76e+00	1.28e+00	7.00e+00	1.75e+00	-	7.09e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
634	STL ENV_STR(al l)		Cent	Top	1.17e+00	4.05e+00	3.86e+00	4.09e+00	-2.47e+00	-	4.10e+00	2.06e+00
			Bot	7.46e-001	3.81e+00	4.09e+00	3.86e+00	-3.61e+00	-	3.87e+00	1.95e+00	
635	STL ENV_STR(al l)		Cent	Top	6.89e+00	3.94e+00	9.22e+00	4.15e+00	-1.39e+00	-	4.22e+00	2.14e+00
			Bot	4.08e+00	3.70e+00	9.31e+00	3.92e+00	-1.83e+00	-	4.01e+00	2.05e+00	
636	STL ENV_STR(al l)		Cent	Top	1.11e+00	1.65e+00	2.49e+00	1.69e+00	-2.59e+00	-	1.70e+00	8.57e+00
			Bot	7.75e-001	1.68e+00	2.67e+00	1.72e+00	-3.39e+00	-	1.73e+00	8.76e+00	
637	STL ENV_STR(al l)		Cent	Top	6.61e+00	1.54e+00	5.98e+00	1.75e+00	-1.46e+00	-	1.83e+00	9.50e+00
			Bot	4.19e+00	1.56e+00	6.06e+00	1.77e+00	-1.70e+00	-	1.86e+00	9.72e+00	
638	STL ENV_STR(al l)		Cent	Top	7.30e-001	2.69e+00	1.14e+00	3.11e+00	-3.54e+00	-	3.30e+00	1.73e+00
			Bot	1.12e+00	4.58e+00	1.17e+00	4.87e+00	-1.78e+00	-	4.96e+00	2.52e+00	
639	STL ENV_STR(al l)		Cent	Top	5.74e+00	1.53e+00	2.69e+00	3.78e+00	-1.67e+00	-	4.84e+00	2.73e+00
			Bot	5.31e+00	3.35e+00	2.72e+00	5.01e+00	-1.12e+00	-	5.65e+00	3.07e+00	
640	STL ENV_STR(al l)		Cent	Top	-1.29e+00	1.23e+00	-1.67e+00	1.23e+00	-1.52e+00	-	1.23e+00	6.14e+00
			Bot	-3.58e+00	1.08e+00	-2.12e+00	1.09e+00	-4.00e+00	-	1.09e+00	5.45e+00	
641	STL ENV_STR(al l)		Cent	Top	3.98e+00	7.43e+00	-9.13e+00	7.55e+00	-7.12e+00	-	7.58e+00	3.81e+00



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	3.15e+00	6.82e+02	-9.20e+01	6.95e+02	-9.08e+00	-	6.99e+02	3.52e+02	
642	STL ENV_STR(al l)		Cent	Top	-6.49e-002	7.52e+02	-1.69e+01	7.52e+02	-4.44e-001	-	7.52e+02	3.76e+02
			Bot	2.10e-001	6.92e+02	-2.00e+01	6.93e+02	-3.66e-001	-	6.93e+02	3.47e+02	
643	STL ENV_STR(al l)		Cent	Top	3.47e+00	4.00e+02	-6.59e+01	4.11e+02	-7.19e+00	-	4.15e+02	2.09e+02
			Bot	2.06e+00	3.76e+02	-6.63e+01	3.87e+02	-9.34e+00	-	3.92e+02	1.98e+02	
644	STL ENV_STR(al l)		Cent	Top	7.36e-002	4.07e+02	-1.25e+01	4.08e+02	-3.08e-001	-	4.08e+02	2.04e+02
			Bot	2.60e-002	3.83e+02	-1.40e+01	3.84e+02	-4.83e-001	-	3.84e+02	1.92e+02	
645	STL ENV_STR(al l)		Cent	Top	3.31e+00	1.60e+02	-4.29e+01	1.71e+02	-7.63e+00	-	1.75e+02	8.95e+01
			Bot	2.14e+00	1.63e+02	-4.30e+01	1.73e+02	-8.64e+00	-	1.78e+02	9.10e+01	
646	STL ENV_STR(al l)		Cent	Top	6.26e-002	1.67e+02	-8.14e+00	1.68e+02	-3.32e-001	-	1.68e+02	8.41e+01
			Bot	3.51e-002	1.70e+02	-9.02e+00	1.71e+02	-4.42e-001	-	1.71e+02	8.55e+01	
647	STL ENV_STR(al l)		Cent	Top	2.74e+00	2.21e+01	-1.96e+01	3.42e+01	-9.43e+00	-	3.98e+01	2.18e+01
			Bot	2.71e+00	4.05e+01	-1.89e+01	4.83e+01	-5.13e+00	-	5.11e+01	2.67e+01	
648	STL ENV_STR(al l)		Cent	Top	-4.26e-002	2.99e+01	-4.01e+00	3.04e+01	-5.70e-001	-	3.07e+01	1.55e+01
			Bot	1.31e-001	4.88e+01	-3.63e+00	4.91e+01	-1.38e-001	-	4.91e+01	2.46e+01	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
649	STL ENV_STR(al l)		Cent	Top	-5.01e+00 0	1.09e+00 3	5.81e+00 1	1.10e+00 3	-8.08e+00 0	-	1.10e+00 3	5.52e+00 2
			Bot	00	3.91e+00 00	9.92e+00 2	7.54e+00 1	9.98e+00 2	-1.81e+00 0	-	9.98e+00 02	5.00e+00 2
650	STL ENV_STR(al l)		Cent	Top	-4.65e- 001	9.69e+00 2	6.23e+00 1	9.73e+00 2	-4.45e+00 0	-	9.76e+00 2	4.89e+00 2
			Bot	00	2.38e+00 00	8.84e+00 2	6.76e+00 1	8.89e+00 2	-2.77e+00 0	-	8.90e+00 02	4.46e+00 2
651	STL ENV_STR(al l)		Cent	Top	8.45e- 001	8.53e+00 2	5.73e+00 1	8.57e+00 2	-2.99e+00 0	-	8.59e+00 2	4.30e+00 2
			Bot	00	1.97e+00 00	7.85e+00 2	6.29e+00 1	7.90e+00 2	-3.06e+00 0	-	7.91e+00 02	3.96e+00 2
652	STL ENV_STR(al l)		Cent	Top	-6.52e+00 0	1.09e+00 3	-1.09e+00 2	1.10e+00 3	-1.72e+00 1	-	1.11e+00 3	5.61e+00 2
			Bot	00	5.41e+00 00	9.77e+00 2	-1.18e+00 2	9.91e+00 2	-8.65e+00 0	-	9.95e+00 02	5.00e+00 2
653	STL ENV_STR(al l)		Cent	Top	2.30e+00 0	9.59e+00 2	-1.08e+00 2	9.71e+00 2	-9.70e+00 0	-	9.75e+00 2	4.90e+00 2
			Bot	00	3.83e+00 00	8.77e+00 2	-1.08e+00 2	8.90e+00 2	-9.27e+00 0	-	8.94e+00 02	4.49e+00 2
654	STL ENV_STR(al l)		Cent	Top	3.12e+00 0	8.47e+00 2	-9.78e+00 1	8.58e+00 2	-8.08e+00 0	-	8.62e+00 2	4.33e+00 2
			Bot	00	4.89e+00 00	7.76e+00 2	-1.01e+00 2	7.89e+00 2	-8.10e+00 0	-	7.93e+00 02	3.98e+00 2
655	STL ENV_STR(al l)		Cent	Top	3.70e+00 0	1.10e+00 3	1.62e+00 2	1.12e+00 3	-1.97e+00 1	-	1.13e+00 3	5.70e+00 2
			Bot	00	-1.85e+00 00	9.55e+00 2	1.65e+00 2	9.83e+00 2	-2.96e+00 1	-	9.98e+00 02	5.06e+00 2
656	STL ENV_STR(al l)		Cent	Top	2.47e+00 0	9.43e+00 2	1.50e+00 2	9.66e+00 2	-2.09e+00 1	-	9.77e+00 2	4.94e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.23e+001	8.74e+002	1.51e+002	8.99e+002	-1.34e+001	-	9.06e+002	4.56e+002	
657	STL ENV_STR(al l)		Cent	Top	7.93e+000	8.41e+002	1.37e+002	8.63e+002	-1.41e+001	-	8.70e+002	4.38e+002
			Bot	00	7.36e+000	7.64e+002	1.40e+002	7.89e+002	-1.78e+001	-	7.98e+002	4.04e+002
658	STL ENV_STR(al l)		Cent	Top	1.25e+000	6.53e+002	4.94e+001	6.57e+002	-2.48e+000	-	6.58e+002	3.30e+002
			Bot	001	9.86e-001	6.03e+002	5.25e+001	6.08e+002	-3.56e+000	-	6.09e+002	3.06e+002
659	STL ENV_STR(al l)		Cent	Top	1.22e+000	5.64e+002	4.56e+001	5.68e+002	-2.45e+000	-	5.69e+002	2.85e+002
			Bot	001	8.40e-001	5.23e+002	4.84e+001	5.27e+002	-3.62e+000	-	5.29e+002	2.65e+002
660	STL ENV_STR(al l)		Cent	Top	1.21e+000	4.81e+002	4.21e+001	4.85e+002	-2.44e+000	-	4.86e+002	2.44e+002
			Bot	001	7.54e-001	4.49e+002	4.46e+001	4.54e+002	-3.64e+000	-	4.55e+002	2.29e+002
661	STL ENV_STR(al l)		Cent	Top	7.89e+000	6.41e+002	1.18e+002	6.63e+002	-1.32e+001	-	6.69e+002	3.38e+002
			Bot	00	4.66e+000	5.89e+002	1.19e+002	6.12e+002	-1.87e+001	-	6.22e+002	3.16e+002
662	STL ENV_STR(al l)		Cent	Top	7.38e+000	5.52e+002	1.09e+002	5.73e+002	-1.36e+001	-	5.80e+002	2.93e+002
			Bot	00	4.32e+000	5.10e+002	1.10e+002	5.33e+002	-1.85e+001	-	5.43e+002	2.76e+002
663	STL ENV_STR(al l)		Cent	Top	7.14e+000	4.70e+002	1.00e+002	4.91e+002	-1.37e+001	-	4.98e+002	2.52e+002
			Bot	00	4.08e+000	4.37e+002	1.01e+002	4.59e+002	-1.85e+001	-	4.69e+002	2.39e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
664	STL ENV_STR(al l)		Cent	Top	1.15e+00	3.36e+00	3.51e+00	3.39e+00	-2.50e+00	-	3.41e+00	1.71e+00
			Bot	7.45e-001	3.19e+00	3.73e+00	3.24e+00	-3.57e+00	-	3.25e+02	1.64e+00	
665	STL ENV_STR(al l)		Cent	Top	1.13e+00	2.72e+00	3.17e+00	2.76e+00	-2.53e+00	-	2.77e+00	1.39e+00
			Bot	7.54e-001	2.63e+00	3.38e+00	2.67e+00	-3.53e+00	-	2.69e+02	1.35e+00	
666	STL ENV_STR(al l)		Cent	Top	1.12e+00	2.16e+00	2.83e+00	2.19e+00	-2.55e+00	-	2.21e+00	1.11e+00
			Bot	7.62e-001	2.13e+00	3.02e+00	2.17e+00	-3.47e+00	-	2.19e+02	1.10e+00	
667	STL ENV_STR(al l)		Cent	Top	6.76e+00	3.25e+00	8.40e+00	3.46e+00	-1.41e+00	-	3.53e+00	1.80e+00
			Bot	4.08e+00	3.08e+00	8.49e+00	3.30e+00	-1.81e+00	-	3.39e+02	1.74e+00	
668	STL ENV_STR(al l)		Cent	Top	6.67e+00	2.62e+00	7.59e+00	2.83e+00	-1.42e+00	-	2.90e+00	1.48e+00
			Bot	4.12e+00	2.52e+00	7.68e+00	2.73e+00	-1.78e+00	-	2.83e+02	1.46e+00	
669	STL ENV_STR(al l)		Cent	Top	6.62e+00	2.05e+00	6.78e+00	2.26e+00	-1.44e+00	-	2.33e+00	1.20e+00
			Bot	4.15e+00	2.01e+00	6.87e+00	2.23e+00	-1.75e+00	-	2.32e+02	1.20e+00	
670	STL ENV_STR(al l)		Cent	Top	1.10e+00	1.21e+00	2.15e+00	1.25e+00	-2.64e+00	-	1.26e+00	6.37e+00
			Bot	8.04e-001	1.28e+00	2.31e+00	1.32e+00	-3.25e+00	-	1.34e+02	6.79e+00	
671	STL ENV_STR(al l)		Cent	Top	1.07e+00	8.31e+00	1.81e+00	8.69e+00	-2.74e+00	-	8.83e+00	4.48e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	8.78e-001	9.50e+001	1.94e+001	9.88e+001	-2.98e+000	-	1.00e+002	5.09e+001	
672	STL ENV_STR(al l)		Cent	Top	9.62e-001	5.17e+001	1.47e+001	5.56e+001	-2.99e+000	-	5.72e+001	2.93e+001
			Bot	1.01e+000	6.74e+001	1.56e+001	7.09e+001	-2.47e+000	-	7.22e+001	3.67e+001	
673	STL ENV_STR(al l)		Cent	Top	6.63e+000	1.10e+002	5.17e+001	1.32e+002	-1.48e+001	-	1.39e+002	7.31e+001
			Bot	4.25e+000	1.17e+002	5.25e+001	1.37e+002	-1.64e+001	-	1.46e+002	7.69e+001	
674	STL ENV_STR(al l)		Cent	Top	6.65e+000	7.22e+001	4.35e+001	9.39e+001	-1.51e+001	-	1.02e+002	5.45e+001
			Bot	4.41e+000	8.32e+001	4.42e+001	1.03e+002	-1.54e+001	-	1.12e+002	5.92e+001	
675	STL ENV_STR(al l)		Cent	Top	6.48e+000	4.05e+001	3.53e+001	6.27e+001	-1.57e+001	-	7.18e+001	3.92e+001
			Bot	4.78e+000	5.54e+001	3.58e+001	7.39e+001	-1.38e+001	-	8.17e+001	4.39e+001	
676	STL ENV_STR(al l)		Cent	Top	4.75e-001	9.38e+000	8.28e+000	1.43e+001	-4.48e+000	-	1.70e+001	9.40e+000
			Bot	7.99e-001	2.93e+001	8.41e+000	3.16e+001	-1.49e+000	-	3.24e+001	1.66e+001	
677	STL ENV_STR(al l)		Cent	Top	1.04e+000	4.10e-001	5.25e+000	5.98e+000	-4.53e+000	-	9.14e+000	5.26e+000
			Bot	3.56e-001	1.63e+001	6.35e+000	1.85e+001	-1.87e+000	-	1.95e+001	1.02e+001	
678	STL ENV_STR(al l)		Cent	Top	1.97e+000	-1.07e+000	1.40e+000	2.51e+000	-1.62e+000	-	3.60e+000	2.06e+000
			Bot	7.02e-001	5.12e+000	4.14e+000	7.60e+000	-1.78e+000	-	8.63e+000	4.69e+000	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
679	STL ENV_STR(al l)		Cent	Top	4.30e+00	-2.24e+00	1.83e+00	1.96e+00	-1.76e+00	-	3.22e+00	1.86e+00
			Bot	00	5.52e+00	1.81e+00	1.85e+00	3.14e+00	-7.74e+00	-	3.59e+00	1.96e+00
680	STL ENV_STR(al l)		Cent	Top	3.71e+00	-9.07e+00	1.01e+00	9.31e+00	-1.47e+00	-	2.09e+00	1.20e+00
			Bot	00	3.75e+00	8.44e+00	1.07e+00	1.71e+00	-4.89e+00	-	2.00e+00	1.10e+00
681	STL ENV_STR(al l)		Cent	Top	1.14e+00	-3.98e+00	3.52e+00	1.22e+00	-4.74e+00	-	1.52e+00	8.48e+00
			Bot	00	1.71e+00	2.58e+00	5.64e+00	7.81e+00	-3.52e+00	-	1.00e+00	5.66e+00
682	STL ENV_STR(al l)		Cent	Top	-2.05e+00	1.09e+00	-1.50e+00	1.09e+00	-2.26e+00	-	1.09e+00	5.47e+00
			Bot	00	2.62e+00	9.97e+00	-2.93e+00	9.98e+00	1.76e+00	-	9.97e+00	4.99e+00
683	STL ENV_STR(al l)		Cent	Top	-2.98e-001	9.73e+00	-1.92e+00	9.73e+00	-6.77e-001	-	9.74e+00	4.87e+00
			Bot	001	1.93e-001	8.87e+00	-2.42e+00	8.88e+00	-4.67e-001	-	8.88e+00	4.44e+00
684	STL ENV_STR(al l)		Cent	Top	-1.50e-001	8.57e+00	-1.83e+00	8.57e+00	-5.39e-001	-	8.57e+00	4.29e+00
			Bot	001	3.46e-001	7.87e+00	-2.20e+00	7.88e+00	-2.69e-001	-	7.88e+00	3.94e+00
685	STL ENV_STR(al l)		Cent	Top	3.87e+00	6.47e+00	-8.42e+00	6.58e+00	-6.96e+00	-	6.62e+00	3.33e+00
			Bot	00	2.53e+00	5.97e+00	-8.50e+00	6.09e+00	-9.40e+00	-	6.13e+00	3.09e+00
686	STL ENV_STR(al l)		Cent	Top	3.76e+00	5.59e+00	-7.79e+00	5.69e+00	-6.97e+00	-	5.73e+00	2.88e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.16e+00	5.17e+00	-7.84e+00	5.29e+00	-9.51e+00	-	5.33e+00	2.69e+00	
687	STL ENV_STR(al l)		Cent	Top	3.59e+00	4.76e+00	-7.18e+00	4.87e+00	-7.08e+00	-	4.90e+00	2.47e+00
			Bot	2.08e+00	4.43e+00	-7.23e+00	4.55e+00	-9.45e+00	-	4.60e+00	2.32e+00	
688	STL ENV_STR(al l)		Cent	Top	8.33e-002	6.55e+00	-1.59e+00	6.56e+00	-3.04e-001	-	6.56e+00	3.28e+00
			Bot	3.80e-002	6.05e+00	-1.80e+00	6.05e+00	-4.97e-001	-	6.06e+00	3.03e+00	
689	STL ENV_STR(al l)		Cent	Top	6.55e-002	5.66e+00	-1.47e+00	5.66e+00	-3.17e-001	-	5.66e+00	2.83e+00
			Bot	4.25e-002	5.25e+00	-1.66e+00	5.25e+00	-4.81e-001	-	5.26e+00	2.63e+00	
690	STL ENV_STR(al l)		Cent	Top	8.88e-002	4.83e+00	-1.36e+00	4.84e+00	-2.94e-001	-	4.84e+00	2.42e+00
			Bot	1.40e-002	4.51e+00	-1.52e+00	4.52e+00	-5.00e-001	-	4.52e+00	2.26e+00	
691	STL ENV_STR(al l)		Cent	Top	3.38e+00	3.31e+00	-6.01e+00	3.41e+00	-7.30e+00	-	3.45e+00	1.74e+00
			Bot	2.08e+00	3.14e+00	-6.04e+00	3.25e+00	-9.21e+00	-	3.30e+00	1.67e+00	
692	STL ENV_STR(al l)		Cent	Top	3.33e+00	2.68e+00	-5.43e+00	2.78e+00	-7.40e+00	-	2.82e+00	1.43e+00
			Bot	2.10e+00	2.58e+00	-5.46e+00	2.69e+00	-9.06e+00	-	2.74e+00	1.39e+00	
693	STL ENV_STR(al l)		Cent	Top	3.31e+00	2.11e+00	-4.86e+00	2.22e+00	-7.51e+00	-	2.25e+00	1.15e+00
			Bot	2.12e+00	2.07e+00	-4.88e+00	2.18e+00	-8.88e+00	-	2.23e+00	1.14e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
694	STL ENV_STR(al l)		Cent	Top	7.16e-002	3.38e+002	-1.14e+001	3.38e+002	-3.11e-001	-	3.38e+002	1.69e+002
			Bot	2.66e-002	3.22e+002	-1.27e+001	3.22e+002	-4.76e-001	-	3.22e+002	1.61e+002	
695	STL ENV_STR(al l)		Cent	Top	6.56e-002	2.75e+002	-1.03e+001	2.75e+002	-3.19e-001	-	2.75e+002	1.38e+002
			Bot	3.18e-002	2.65e+002	-1.15e+001	2.66e+002	-4.65e-001	-	2.66e+002	1.33e+002	
696	STL ENV_STR(al l)		Cent	Top	6.38e-002	2.18e+002	-9.21e+000	2.18e+002	-3.25e-001	-	2.18e+002	1.09e+002
			Bot	3.34e-002	2.15e+002	-1.03e+001	2.15e+002	-4.55e-001	-	2.16e+002	1.08e+002	
697	STL ENV_STR(al l)		Cent	Top	3.32e+000	1.16e+002	-3.71e+001	1.27e+002	-7.78e+000	-	1.31e+002	6.76e+001
			Bot	2.18e+000	1.23e+002	-3.71e+001	1.34e+002	-8.29e+000	-	1.38e+002	7.10e+001	
698	STL ENV_STR(al l)		Cent	Top	3.32e+000	7.84e+001	-3.13e+001	8.98e+001	-8.01e+000	-	9.40e+001	4.89e+001
			Bot	2.28e+000	8.98e+001	-3.12e+001	9.98e+001	-7.68e+000	-	1.04e+002	5.37e+001	
699	STL ENV_STR(al l)		Cent	Top	3.18e+000	4.69e+001	-2.54e+001	5.86e+001	-8.49e+000	-	6.33e+001	3.36e+001
			Bot	2.50e+000	6.22e+001	-2.51e+001	7.13e+001	-6.64e+000	-	7.49e+001	3.90e+001	
700	STL ENV_STR(al l)		Cent	Top	6.02e-002	1.23e+002	-7.07e+000	1.24e+002	-3.43e-001	-	1.24e+002	6.21e+001
			Bot	3.93e-002	1.31e+002	-7.76e+000	1.31e+002	-4.19e-001	-	1.32e+002	6.59e+001	
701	STL ENV_STR(al l)		Cent	Top	4.86e-002	8.57e+001	-6.00e+000	8.61e+001	-3.70e-001	-	8.63e+001	4.32e+001



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	5.47e-002	9.77e+001	-6.45e+000	9.81e+001	-3.70e-001	-	9.83e+001	4.92e+001	
702	STL ENV_STR(al l)		Cent	Top	1.62e-002	5.45e+001	-4.97e+000	5.49e+001	-4.34e-001	-	5.51e+001	2.77e+001
			Bot	8.93e-002	7.03e+001	-5.06e+000	7.07e+001	-2.73e-001	-	7.08e+001	3.55e+001	
703	STL ENV_STR(al l)		Cent	Top	2.05e+000	4.69e+000	-1.38e+001	1.72e+001	-1.05e+001	-	2.42e+001	1.38e+001
			Bot	2.35e+000	2.46e+001	-1.31e+001	3.07e+001	-3.71e+000	-	3.27e+001	1.72e+001	
704	STL ENV_STR(al l)		Cent	Top	2.66e+000	-2.97e+000	-8.37e+000	8.67e+000	-8.98e+000	-	1.53e+001	8.83e+000
			Bot	1.08e+000	1.33e+001	-8.84e+000	1.79e+001	-3.56e+000	-	1.99e+001	1.07e+001	
705	STL ENV_STR(al l)		Cent	Top	5.97e+000	-2.20e+000	-2.64e+000	6.75e+000	-2.97e+000	-	8.62e+000	4.86e+000
			Bot	1.26e+000	4.32e+000	-5.71e+000	8.71e+000	-3.13e+000	-	1.06e+001	5.92e+000	
706	STL ENV_STR(al l)		Cent	Top	-6.20e-002	1.24e+001	-3.11e+000	1.31e+001	-7.95e-001	-	1.35e+001	6.96e+000
			Bot	5.82e-002	3.19e+001	-2.60e+000	3.21e+001	-1.52e-001	-	3.22e+001	1.61e+001	
707	STL ENV_STR(al l)		Cent	Top	1.32e-001	2.25e+000	-2.12e+000	3.56e+000	-1.18e+000	-	4.27e+000	2.37e+000
			Bot	-1.76e-002	1.73e+001	-2.33e+000	1.76e+001	-3.26e-001	-	1.77e+001	8.95e+000	
708	STL ENV_STR(al l)		Cent	Top	3.47e-001	-5.96e-001	-2.32e-001	4.01e-001	-6.50e-001	-	9.18e-001	5.25e-001
			Bot	-1.82e-001	5.04e+000	-1.48e+000	5.44e+000	-5.74e-001	-	5.74e+000	3.00e+000	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
709	STL ENV_STR(al l)		Cent	Top	8.49e+00 1	- 6.16e+00 1	1.98e+00 1	8.75e+00 1	- 6.42e+00 1	-	1.32e+00 2	7.59e+00 1
			Bot	-	9.82e+00 02	4.89e+00 1	2.33e+00 2	6.05e+00 0	1.04e+00 3	-	1.04e+00 03	5.22e+00 2
710	STL ENV_STR(al l)		Cent	Top	- 3.43e+00 2	- 3.51e+00 2	- 5.46e+00 2	1.99e+00 2	- 8.93e+00 2	-	1.01e+00 3	5.46e+00 2
			Bot	-	1.44e+00 02	3.66e+00 2	6.19e+00 2	8.84e+00 2	- 3.74e+00 2	-	1.12e+00 03	6.29e+00 2
711	STL ENV_STR(al l)		Cent	Top	- 3.27e+00 2	- 1.31e+00 3	6.67e+00 2	9.59e+00 0	- 1.65e+00 3	-	1.65e+00 3	8.29e+00 2
			Bot	-	3.39e+00 02	1.24e+00 3	- 1.51e+00 2	1.26e+00 3	3.14e+00 2	-	1.14e+00 03	6.32e+00 2
712	STL ENV_STR(al l)		Cent	Top	- 2.67e+00 2	- 8.36e+00 2	3.00e+00 2	1.38e+00 2	- 9.65e+00 2	-	9.04e+00 2	4.83e+00 2
			Bot	-	2.13e+00 02	3.92e+00 2	3.90e+00 1	4.00e+00 2	2.05e+00 2	-	3.46e+00 02	2.00e+00 2
713	STL ENV_STR(al l)		Cent	Top	9.55e+00 1	- 3.69e+00 2	1.36e+00 2	1.33e+00 2	- 4.06e+00 2	-	4.86e+00 2	2.69e+00 2
			Bot	-	8.17e+00 01	7.49e+00 2	1.30e+00 2	5.72e+00 1	7.73e+00 2	-	7.46e+00 02	3.87e+00 2
714	STL ENV_STR(al l)		Cent	Top	1.19e+00 3	1.08e+00 3	2.76e+00 2	1.42e+00 3	8.54e+00 2	-	1.24e+00 3	7.09e+00 2
			Bot	-	1.14e+00 03	2.65e+00 3	2.11e+00 2	1.11e+00 3	2.68e+00 3	-	2.34e+00 03	1.34e+00 3
715	STL ENV_STR(al l)		Cent	Top	1.39e+00 1	- 7.37e+00 2	3.80e+00 2	1.72e+00 2	- 8.95e+00 2	-	9.93e+00 2	5.34e+00 2
			Bot	-	2.30e+00 01	5.47e+00 2	2.26e+00 2	1.02e+00 2	6.26e+00 2	-	6.82e+00 02	3.64e+00 2
716	STL ENV_STR(al l)		Cent	Top	7.38e+00 2	1.49e+00 2	- 2.66e+00 2	8.41e+00 2	4.69e+00 1	-	8.18e+00 2	4.20e+00 2
			Bot	-	1.03e+00	1.86e+00	1.33e+00	1.66e+00	1.05e+00	-	9.80e+00	5.26e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				03	2	2	2	3		02	2	
717	STL ENV_STR(a11)		Cent	Top	4.07e+00 2	- 1.15e+00 2	- 3.72e+00 2	6.01e+00 2	- 3.08e+00 2	-	8.01e+00 2	4.54e+00 2
			Bot	- 02	- 5.06e+00 2	- 3.24e+00 2	- 3.27e+00 2	- 7.56e+00 1	- 7.54e+00 2	-	7.20e+00 02	3.77e+00 2
718	STL ENV_STR(a11)		Cent	Top	- 6.03e+00 1	- 6.77e+00 2	- 3.44e+00 2	9.36e+00 1	- 8.31e+00 2	-	8.82e+00 2	4.62e+00 2
			Bot	- 02	- 2.00e+00 2	- 6.54e+00 2	- 3.20e+00 2	3.07e+00 2	- 7.60e+00 2	-	9.51e+00 02	5.33e+00 2
719	STL ENV_STR(a11)		Cent	Top	- 2.04e+00 3	- 8.57e+00 2	- 1.22e+00 2	- 8.45e+00 2	- 2.05e+00 3	-	1.78e+00 3	1.03e+00 3
			Bot	- 03	- 2.31e+00 3	- 1.33e+00 3	1.05e+00 2	2.32e+00 3	- 1.33e+00 3	-	3.20e+00 03	1.82e+00 3
720	STL ENV_STR(a11)		Cent	Top	2.20e+00 2	- 5.69e+00 2	2.33e+00 2	2.84e+00 2	- 6.33e+00 2	-	8.13e+00 2	4.58e+00 2
			Bot	- 02	- 1.58e+00 2	- 7.48e+00 2	9.19e+00 1	- 1.44e+00 2	- 7.62e+00 2	-	7.01e+00 02	3.81e+00 2
721	STL ENV_STR(a11)		Cent	Top	6.02e+00 1	6.39e+00 2	8.32e+00 1	6.50e+00 2	4.85e+00 1	-	6.28e+00 2	3.25e+00 2
			Bot	- 02	- 1.61e+00 2	- 8.18e+00 2	1.68e+00 2	- 1.21e+00 2	- 8.59e+00 2	-	8.05e+00 02	4.29e+00 2
722	STL ENV_STR(a11)		Cent	Top	4.12e+00 1	- 1.86e+00 1	3.33e+00 2	3.46e+00 2	- 3.23e+00 2	-	5.79e+00 2	3.34e+00 2
			Bot	- 01	- 2.01e+00 2	- 7.36e+00 2	3.62e+00 1	- 1.83e+00 1	- 7.38e+00 2	-	7.29e+00 02	3.69e+00 2
723	STL ENV_STR(a11)		Cent	Top	- 5.14e+00 1	- 1.01e+00 3	1.24e+00 2	- 3.58e+00 1	- 1.03e+00 3	-	1.01e+00 3	5.15e+00 2
			Bot	- 01	- 4.00e+00 2	- 3.05e+00 2	8.89e+00 0	4.02e+00 1	- 3.06e+00 2	-	3.28e+00 02	1.73e+00 2
724	STL ENV_STR(a11)		Cent	Top	3.91e+00 2	- 6.21e+00	- 2.17e+00	4.36e+00 2	- 6.66e+00	-	9.61e+00 2	5.51e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)					2	2		2			
			Bot		3.23e+02	8.63e+02	1.52e+02	2.83e+02	9.03e+02	-	8.00e+02	4.52e+02
725	STL ENV_STR(al l)		Cent	Top	1.23e+02	-	1.73e+02	2.78e+02	2.90e+02	-	3.40e+02	5.47e+02
			Bot		5.68e+02	1.72e+02	2.64e+02	2.56e+02	6.53e+02	-	8.12e+02	4.55e+02
726	STL ENV_STR(al l)		Cent	Top	1.77e+02	-	1.35e+02	3.95e+02	4.46e+02	-	4.04e+02	7.37e+02
			Bot		1.75e+02	6.32e+02	2.95e+02	3.06e+02	7.76e+02	-	7.61e+02	3.88e+02
727	STL ENV_STR(al l)		Cent	Top	1.38e+02	-	8.35e+02	3.30e+02	6.51e+02	-	9.67e+02	9.63e+02
			Bot		5.10e+02	9.13e+02	1.80e+02	5.33e+02	9.36e+02	-	1.29e+03	7.34e+02
728	STL ENV_STR(al l)		Cent	Top	1.28e+03	-	1.40e+03	3.54e+02	9.79e+02	-	1.70e+03	1.48e+03
			Bot		1.45e+03	2.78e+02	5.66e+03	1.45e+03	2.80e+02	-	1.61e+03	8.65e+02
729	STL ENV_STR(al l)		Cent	Top	1.01e+02	-	2.68e+02	4.89e+02	3.11e+02	-	6.80e+02	8.78e+02
			Bot		2.95e+02	2.58e+02	5.82e+02	6.25e+02	6.63e+02	-	1.12e+03	6.44e+02
730	STL ENV_STR(al l)		Cent	Top	7.23e+01	-	1.70e+02	2.85e+02	1.69e+02	-	4.11e+02	5.16e+02
			Bot		5.63e+02	1.10e+02	4.31e+02	3.20e+02	7.73e+02	-	9.74e+02	5.47e+02
731	STL ENV_STR(al l)		Cent	Top	3.93e+02	-	1.65e+02	4.15e+02	6.14e+02	-	3.86e+02	8.74e+02
			Bot		6.08e+02	8.09e+02	4.74e+02	8.41e+02	6.11e+02	-	6.57e+02	3.48e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	1	1	1	2		02	2	
732	STL ENV_STR(al l)		Cent	Top	2.24e+00 2	- 2.68e+00 2	3.29e+00 2	3.89e+00 2	- 4.33e+00 2	-	7.12e+00 2	4.11e+00 2
			Bot	- 3.08e+00 02	- 1.83e+00 2	2.40e+00 2	2.55e+00 0	- 4.93e+00 2	-	4.95e+00 02	2.48e+00 2	
733	STL ENV_STR(al l)		Cent	Top	8.03e+00 1	- 5.38e+00 2	2.65e+00 2	1.78e+00 2	- 6.36e+00 2	-	7.42e+00 2	4.07e+00 2
			Bot	2.35e+00 01	- 7.35e+00 2	2.49e+00 2	9.82e+00 1	- 8.10e+00 2	-	8.63e+00 02	4.54e+00 2	
734	STL ENV_STR(al l)		Cent	Top	7.17e+00 2	4.49e+00 2	2.97e+00 2	9.09e+00 2	2.57e+00 2	-	8.11e+00 2	4.54e+00 2
			Bot	- 5.39e+00 02	- 2.36e+00 3	- 2.50e+00 2	- 5.05e+00 2	- 2.39e+00 3	-	2.18e+00 03	1.20e+00 3	
735	STL ENV_STR(al l)		Cent	Top	1.43e+00 2	- 6.22e+00 2	- 5.29e+00 2	4.13e+00 2	- 8.92e+00 2	-	1.16e+00 3	6.53e+00 2
			Bot	- 2.55e+00 02	5.27e+00 2	3.82e+00 1	5.29e+00 2	- 2.57e+00 2	-	6.94e+00 02	3.93e+00 2	
736	STL ENV_STR(al l)		Cent	Top	4.53e+00 1	- 5.00e+00 2	- 2.91e+00 2	1.71e+00 2	- 6.26e+00 2	-	7.27e+00 2	3.99e+00 2
			Bot	- 1.12e+00 02	4.87e+00 1	- 1.61e+00 2	1.49e+00 2	- 2.12e+00 2	-	3.14e+00 02	1.80e+00 2	
737	STL ENV_STR(al l)		Cent	Top	1.17e+00 2	- 4.37e+00 2	- 1.91e+00 2	1.76e+00 2	- 4.96e+00 2	-	6.04e+00 2	3.36e+00 2
			Bot	- 5.59e+00 01	- 7.57e+00 2	- 1.90e+00 2	- 7.65e+00 0	- 8.05e+00 2	-	8.02e+00 02	4.03e+00 2	
738	STL ENV_STR(al l)		Cent	Top	1.34e+00 3	9.86e+00 2	- 3.28e+00 2	1.54e+00 3	7.92e+00 2	-	1.33e+00 3	7.69e+00 2
			Bot	- 1.24e+00 03	- 2.70e+00 3	2.63e+00 2	- 1.19e+00 3	- 2.75e+00 3	-	2.39e+00 03	1.37e+00 3	
739	STL ENV_STR(al		Cent	Top	- 7.82e+00	- 1.12e+00	2.25e+00 2	1.71e+00 2	- 2.91e+00	-	4.05e+00 2	2.31e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
	1)				0	2			2					
			Bot		2.90e+00 02	1.65e+00 1	2.11e+00 2	9.84e+00 1	4.05e+00 2	-	4.62e+00 02	2.52e+00 2		
740	STL ENV_STR(al l)		Cent	Top	1.71e+00 2	-	1.25e+00 2	4.44e+00 2	4.91e+00 2	-	4.44e+00 2	-	8.11e+00 2	4.68e+00 2
			Bot		1.63e+00 02	6.44e+00 2	1.72e+00 2	1.08e+00 2	6.99e+00 2	-	6.52e+00 02	3.50e+00 2		
741	STL ENV_STR(al l)		Cent	Top	1.46e+00 2	-	8.23e+00 2	2.97e+00 2	2.30e+00 2	-	9.07e+00 2	-	1.04e+00 3	5.68e+00 2
			Bot		6.73e+00 01	7.51e+00 2	5.53e+00 1	7.10e+00 1	7.55e+00 2	-	7.93e+00 02	4.13e+00 2		
742	STL ENV_STR(al l)		Cent	Top	4.94e+00 2	-	1.18e+00 3	4.84e+00 2	2.45e+00 2	-	1.43e+00 3	-	1.33e+00 3	7.16e+00 2
			Bot		6.29e+00 02	4.46e+00 2	2.95e+00 2	7.05e+00 2	5.21e+00 2	-	1.07e+00 03	6.13e+00 2		
743	STL ENV_STR(al l)		Cent	Top	7.09e+00 1	2.25e+00 2	-	1.50e+00 2	3.16e+00 2	-	2.08e+00 1	-	3.27e+00 2	1.69e+00 2
			Bot		2.50e+00 02	3.81e+00 2	1.85e+00 2	1.19e+00 2	5.11e+00 2	-	4.63e+00 02	2.56e+00 2		
744	STL ENV_STR(al l)		Cent	Top	9.91e+00 1	-	9.65e+00 1	4.19e+00 2	4.31e+00 2	-	4.29e+00 2	-	7.45e+00 2	4.30e+00 2
			Bot		8.46e+00 01	6.86e+00 2	6.49e+00 1	7.76e+00 1	6.93e+00 2	-	6.57e+00 02	3.46e+00 2		
745	STL ENV_STR(al l)		Cent	Top	6.90e+00 1	-	9.43e+00 2	2.07e+00 2	1.10e+00 2	-	9.83e+00 2	-	1.04e+00 3	5.46e+00 2
			Bot		1.93e+00 01	5.00e+00 2	1.54e+00 1	1.98e+00 1	5.01e+00 2	-	5.11e+00 02	2.60e+00 2		
746	STL ENV_STR(al l)		Cent	Top	1.04e+00 2	-	9.10e+00 2	3.79e+00 2	2.30e+00 2	-	1.04e+00 3	-	1.17e+00 3	6.33e+00 2
			Bot		5.28e+00	6.45e+00	2.65e+00	9.01e+00	7.41e+00	-	7.89e+00	4.15e+00		

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				00	2	2	1	2		02	2	
747	STL ENV_STR(al l)		Cent	Top	8.73e+00 1	- 6.34e+00 2	- 3.24e+00 2	2.11e+00 2	- 7.58e+00 2	-	8.83e+00 2	4.85e+00 2
			Bot	-	2.98e+00 01	- 6.77e+00 2	6.06e+00 1	- 2.42e+00 1	- 6.83e+00 2	-	6.71e+00 02	3.41e+00 2
748	STL ENV_STR(al l)		Cent	Top	3.32e+00 2	- 3.08e+00 2	- 1.38e+00 2	3.60e+00 2	- 3.36e+00 2	-	6.03e+00 2	3.48e+00 2
			Bot	-	3.37e+00 02	- 5.18e+00 2	- 3.88e+00 1	- 3.29e+00 2	- 5.26e+00 2	-	4.60e+00 02	2.63e+00 2
749	STL ENV_STR(al l)		Cent	Top	7.71e+00 2	- 1.43e+00 2	- 1.52e+00 2	7.96e+00 2	- 1.68e+00 2	-	8.92e+00 2	4.82e+00 2
			Bot	-	7.84e+00 02	- 6.60e+00 2	- 1.06e+00 2	- 5.99e+00 2	- 8.45e+00 2	-	7.53e+00 02	4.23e+00 2
750	STL ENV_STR(al l)		Cent	Top	4.06e+00 2	- 9.68e+00 1	- 7.36e+00 1	4.16e+00 2	- 1.07e+00 2	-	4.79e+00 2	2.62e+00 2
			Bot	-	4.16e+00 02	- 3.62e+00 2	- 6.21e+00 1	- 3.21e+00 2	- 4.57e+00 2	-	4.06e+00 02	2.28e+00 2
751	STL ENV_STR(al l)		Cent	Top	8.51e+00 2	5.37e+00 1	- 1.01e+00 2	8.63e+00 2	4.12e+00 1	-	8.43e+00 2	4.32e+00 2
			Bot	-	8.71e+00 02	- 4.86e+00 2	- 9.54e+00 1	- 4.63e+00 2	- 8.94e+00 2	-	7.74e+00 02	4.47e+00 2
752	STL ENV_STR(al l)		Cent	Top	4.14e+00 2	2.43e+00 1	- 4.68e+00 1	4.19e+00 2	1.88e+00 1	-	4.10e+00 2	2.10e+00 2
			Bot	-	4.24e+00 02	- 2.24e+00 2	- 4.25e+00 1	- 2.16e+00 2	- 4.32e+00 2	-	3.74e+00 02	2.16e+00 2
753	STL ENV_STR(al l)		Cent	Top	8.58e+00 2	1.72e+00 2	- 6.54e+00 1	8.64e+00 2	1.66e+00 2	-	7.94e+00 2	4.32e+00 2
			Bot	-	8.78e+00 02	- 3.46e+00 2	- 6.31e+00 1	- 3.38e+00 2	- 8.86e+00 2	-	7.74e+00 02	4.43e+00 2
754	STL ENV_STR(al		Cent	Top	4.18e+00	9.23e+00	- 2.73e+00	4.20e+00	9.00e+00	-	3.83e+00	2.10e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)		t		2	1	1	2	1		2	2
			Bot		4.25e+02	1.43e+02	2.09e+01	1.41e+02	4.26e+02	-	3.76e+02	2.13e+02
755	STL ENV_STR(al l)		Cent	Top	8.68e+02	2.39e+02	-3.41e+01	8.70e+02	2.37e+02	-	7.79e+02	4.35e+02
			Bot		8.84e+02	2.68e+02	3.12e+01	2.67e+02	8.85e+02	-	7.86e+02	4.43e+02
756	STL ENV_STR(al l)		Cent	Top	3.02e+01	-6.92e+02	3.69e+02	1.85e+02	-8.47e+02	-	9.54e+02	5.16e+02
			Bot		1.84e+01	-6.07e+02	1.64e+01	5.87e+01	-6.47e+02	-	6.79e+02	3.53e+02
757	STL ENV_STR(al l)		Cent	Top	1.06e+03	-4.34e+01	1.56e+02	1.09e+03	-6.50e+01	-	1.12e+03	5.75e+02
			Bot		1.08e+03	7.46e+02	1.44e+02	-6.93e+02	1.14e+03	-	9.92e+02	5.68e+02
758	STL ENV_STR(al l)		Cent	Top	5.29e+02	-2.31e+02	1.43e+02	5.55e+02	-2.57e+02	-	7.19e+02	4.06e+02
			Bot		5.38e+02	5.85e+02	7.34e+01	4.84e+02	6.38e+02	-	5.77e+02	3.19e+02
759	STL ENV_STR(al l)		Cent	Top	1.14e+03	1.49e+02	1.13e+02	1.15e+03	1.36e+02	-	1.09e+03	5.74e+02
			Bot		1.16e+03	5.64e+02	1.13e+02	5.44e+02	1.18e+03	-	1.03e+03	5.92e+02
760	STL ENV_STR(al l)		Cent	Top	6.08e+02	-2.76e+01	8.57e+01	6.20e+02	-3.89e+01	-	6.40e+02	3.29e+02
			Bot		6.23e+02	4.19e+02	8.01e+01	3.91e+02	6.51e+02	-	5.67e+02	3.25e+02
761	STL ENV_STR(al l)		Cent	Top	1.14e+03	2.67e+02	7.37e+01	1.15e+03	2.60e+02	-	1.04e+03	5.74e+02
			Bot		1.17e+03	4.24e+02	7.42e+01	4.16e+02	1.18e+03	-	1.03e+03	5.88e+02



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
762	STL ENV_STR(al l)		Cent	Top	6.16e+00 2	9.20e+00 1	5.52e+00 1	6.22e+00 2	8.63e+00 1	-	5.84e+00 2	3.11e+00 2
			Bot	- 02	6.31e+00 2	2.80e+00 2	5.36e+00 1	2.72e+00 2	6.39e+00 2	-	5.55e+00 02	3.19e+00 2
763	STL ENV_STR(al l)		Cent	Top	1.16e+00 3	3.36e+00 2	3.62e+00 1	1.16e+00 3	3.35e+00 2	-	1.03e+00 3	5.79e+00 2
			Bot	- 03	1.18e+00 03	3.51e+00 2	3.66e+00 1	3.49e+00 2	1.18e+00 3	-	1.05e+00 03	5.89e+00 2
764	STL ENV_STR(al l)		Cent	Top	6.24e+00 2	1.59e+00 2	3.07e+00 1	6.26e+00 2	1.57e+00 2	-	5.64e+00 2	3.13e+00 2
			Bot	- 02	6.34e+00 02	2.00e+00 2	2.63e+00 1	1.98e+00 2	6.36e+00 2	-	5.63e+00 02	3.18e+00 2
765	STL ENV_STR(al l)		Cent	Top	9.49e+00 1	6.12e+00 2	3.02e+00 2	2.06e+00 2	7.23e+00 2	-	8.45e+00 2	4.65e+00 2
			Bot	- 01	7.71e+00 01	5.50e+00 2	1.26e+00 2	4.55e+00 1	5.82e+00 2	-	5.60e+00 02	2.91e+00 2
766	STL ENV_STR(al l)		Cent	Top	1.96e+00 2	4.93e+00 2	2.30e+00 2	2.66e+00 2	5.62e+00 2	-	7.32e+00 2	4.14e+00 2
			Bot	- 02	1.91e+00 02	5.52e+00 2	4.70e+00 1	1.85e+00 2	5.58e+00 2	-	4.93e+00 02	2.79e+00 2
767	STL ENV_STR(al l)		Cent	Top	2.76e+00 2	3.90e+00 2	1.75e+00 2	3.20e+00 2	4.34e+00 2	-	6.55e+00 2	3.77e+00 2
			Bot	- 02	2.78e+00 02	5.42e+00 2	6.84e+00 0	2.78e+00 2	5.42e+00 2	-	4.70e+00 02	2.71e+00 2
768	STL ENV_STR(al l)		Cent	Top	6.26e+00 2	3.58e+00 2	2.05e+00 2	6.67e+00 2	3.99e+00 2	-	9.33e+00 2	5.33e+00 2
			Bot	- 02	6.00e+00 02	8.07e+00 2	1.22e+00 2	5.43e+00 2	8.64e+00 2	-	7.56e+00 02	4.32e+00 2
769	STL ENV_STR(al l)		Cent	Top	8.61e+00 2	2.20e+00 2	1.85e+00 2	8.91e+00 2	2.50e+00 2	-	1.04e+00 3	5.71e+00 2
			Bot	- 02	8.57e+00 02	8.10e+00 02	1.39e+00 2	6.93e+00 02	9.74e+00 02	-	8.68e+00 02	4.87e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	2		2	2				
770	STL ENV_STR(al l)		Cent	Top	9.93e+00 2	- 1.19e+00 2	1.69e+00 2	1.02e+00 3	- 1.44e+00 2	-	1.10e+00 3	5.81e+00 2
			Bot	-	1.00e+00 03	- 7.86e+00 2	1.45e+00 2	- 7.14e+00 2	- 1.08e+00 3	-	9.48e+00 02	5.38e+00 2
771	STL ENV_STR(al l)		Cent	Top	3.84e+00 2	- 4.53e+00 2	- 2.57e+00 2	4.56e+00 2	- 5.25e+00 2	-	8.51e+00 2	4.91e+00 2
			Bot	-	3.58e+00 02	- 7.14e+00 2	- 1.75e+00 1	- 3.58e+00 2	- 7.15e+00 2	-	6.19e+00 02	3.57e+00 2
772	STL ENV_STR(al l)		Cent	Top	5.80e+00 2	- 3.20e+00 2	- 2.09e+00 2	6.26e+00 2	- 3.66e+00 2	-	8.68e+00 2	4.96e+00 2
			Bot	-	5.74e+00 02	- 7.16e+00 2	- 6.65e+00 1	- 5.48e+00 2	- 7.43e+00 2	-	6.67e+00 02	3.71e+00 2
773	STL ENV_STR(al l)		Cent	Top	7.00e+00 2	- 2.21e+00 2	- 1.75e+00 2	7.33e+00 2	- 2.53e+00 2	-	8.86e+00 2	4.93e+00 2
			Bot	-	7.07e+00 02	- 6.95e+00 2	- 9.35e+00 1	- 6.07e+00 2	- 7.95e+00 2	-	7.19e+00 02	3.97e+00 2
774	STL ENV_STR(al l)		Cent	Top	3.66e+00 2	- 2.40e+00 2	- 1.13e+00 2	3.87e+00 2	- 2.60e+00 2	-	5.64e+00 2	3.24e+00 2
			Bot	-	3.74e+00 02	- 4.84e+00 2	- 5.56e+00 1	- 3.51e+00 2	- 5.07e+00 2	-	4.50e+00 02	2.54e+00 2
775	STL ENV_STR(al l)		Cent	Top	3.87e+00 2	- 1.85e+00 2	- 9.54e+00 1	4.03e+00 2	- 2.00e+00 2	-	5.32e+00 2	3.01e+00 2
			Bot	-	3.96e+00 02	- 4.45e+00 2	- 6.27e+00 1	- 3.53e+00 2	- 4.88e+00 2	-	4.36e+00 02	2.44e+00 2
776	STL ENV_STR(al l)		Cent	Top	3.99e+00 2	- 1.38e+00 2	- 8.31e+00 1	4.12e+00 2	- 1.50e+00 2	-	5.04e+00 2	2.81e+00 2
			Bot	-	4.09e+00 02	- 4.03e+00 2	- 6.41e+00 1	- 3.42e+00 2	- 4.70e+00 2	-	4.21e+00 02	2.35e+00 2
777	STL ENV_STR(al		Cent	Top	8.11e+00	- 8.15e+00	- 1.35e+00	8.31e+00	- 1.01e+00	-	8.86e+00	4.66e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
	1)		t		2	1	2	2	2		2	2	
			Bot		8.28e+02	6.18e+02	1.09e+02	5.71e+02	8.75e+02	-	7.69e+02	4.37e+02	
778	STL ENV_STR(al l)		Cent	Top	8.33e+02	-	2.98e+01	1.22e+02	8.50e+02	-	4.67e+01	8.74e+02	4.48e+02
			Bot		8.52e+02	5.73e+02	1.07e+02	5.37e+02	8.89e+02	-	7.75e+02	4.44e+02	
779	STL ENV_STR(al l)		Cent	Top	8.44e+02	1.46e+01	-	1.11e+02	8.59e+02	9.91e-002	-	8.59e+02	4.30e+02
			Bot		8.65e+02	5.29e+02	1.02e+02	5.00e+02	8.93e+02	-	7.76e+02	4.47e+02	
780	STL ENV_STR(al l)		Cent	Top	4.09e+02	-	6.09e+01	6.58e+01	4.18e+02	-	7.00e+01	4.57e+02	2.44e+02
			Bot		4.19e+02	3.23e+02	5.83e+01	2.96e+02	4.47e+02	-	3.94e+02	2.23e+02	
781	STL ENV_STR(al l)		Cent	Top	4.11e+02	-	2.91e+01	5.89e+01	4.19e+02	-	3.68e+01	4.39e+02	2.28e+02
			Bot		4.21e+02	2.87e+02	5.35e+01	2.68e+02	4.40e+02	-	3.84e+02	2.20e+02	
782	STL ENV_STR(al l)		Cent	Top	4.13e+02	-7.93e-001	-	5.26e+01	4.19e+02	-	7.39e+00	4.23e+02	2.13e+02
			Bot		4.23e+02	2.54e+02	4.81e+01	2.41e+02	4.35e+02	-	3.78e+02	2.18e+02	
783	STL ENV_STR(al l)		Cent	Top	8.54e+02	8.86e+01	-	9.14e+01	8.65e+02	7.78e+01	-	8.28e+02	4.32e+02
			Bot		8.75e+02	4.46e+02	8.77e+01	4.28e+02	8.92e+02	-	7.73e+02	4.46e+02	
784	STL ENV_STR(al l)		Cent	Top	8.56e+02	1.20e+02	-	8.25e+01	8.65e+02	1.11e+02	-	8.15e+02	4.32e+02
			Bot		8.77e+02	4.09e+02	7.97e+01	3.96e+02	8.90e+02	-	7.72e+02	4.45e+02	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	2	1	2	2		02	2	
785	STL ENV_STR(al l)		Cent	Top	8.57e+00 2	1.48e+00 2	- 7.39e+00 1	8.64e+00 2	1.40e+00 2	-	8.04e+00 2	4.32e+00 2
			Bot	-	8.78e+00 02	3.75e+00 2	7.14e+00 1	3.65e+00 2	8.88e+00 2	-	7.73e+00 02	4.44e+00 2
786	STL ENV_STR(al l)		Cent	Top	4.15e+00 2	4.63e+00 1	- 4.13e+00 1	4.20e+00 2	4.17e+00 1	-	4.00e+00 2	2.10e+00 2
			Bot	-	4.24e+00 02	1.99e+00 2	3.67e+00 1	1.93e+00 2	4.30e+00 2	-	3.73e+00 02	2.15e+00 2
787	STL ENV_STR(al l)		Cent	Top	4.16e+00 2	6.52e+00 1	- 3.64e+00 1	4.20e+00 2	6.15e+00 1	-	3.93e+00 2	2.10e+00 2
			Bot	-	4.25e+00 02	1.77e+00 2	3.10e+00 1	1.73e+00 2	4.29e+00 2	-	3.73e+00 02	2.14e+00 2
788	STL ENV_STR(al l)		Cent	Top	4.18e+00 2	8.08e+00 1	- 3.15e+00 1	4.21e+00 2	7.78e+00 1	-	3.88e+00 2	2.10e+00 2
			Bot	-	4.25e+00 02	1.58e+00 2	2.58e+00 1	1.56e+00 2	4.27e+00 2	-	3.75e+00 02	2.14e+00 2
789	STL ENV_STR(al l)		Cent	Top	8.60e+00 2	1.94e+00 2	- 5.73e+00 1	8.64e+00 2	1.89e+00 2	-	7.87e+00 2	4.32e+00 2
			Bot	-	8.79e+00 02	3.20e+00 2	5.46e+00 1	3.15e+00 2	8.85e+00 2	-	7.77e+00 02	4.42e+00 2
790	STL ENV_STR(al l)		Cent	Top	8.62e+00 2	2.12e+00 2	- 4.94e+00 1	8.66e+00 2	2.09e+00 2	-	7.82e+00 2	4.33e+00 2
			Bot	-	8.80e+00 02	2.99e+00 2	4.64e+00 1	2.95e+00 2	8.84e+00 2	-	7.80e+00 02	4.42e+00 2
791	STL ENV_STR(al l)		Cent	Top	8.65e+00 2	2.28e+00 2	- 4.22e+00 1	8.68e+00 2	2.25e+00 2	-	7.80e+00 2	4.34e+00 2
			Bot	-	8.82e+00 02	2.82e+00 2	3.79e+00 1	2.79e+00 2	8.84e+00 2	-	7.83e+00 02	4.42e+00 2
792	STL ENV_STR(al		Cent	Top	4.13e+00	1.01e+00	- 1.94e+00	4.14e+00	9.95e+00	-	3.74e+00	2.07e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)		t		2	2	1	2	1		2	2
			Bot	4.20e+02	1.31e+02	2.01e+01	1.29e+02	4.21e+02	-	3.74e+02	2.11e+02	
793	STL ENV_STR (al1)		Cent	Top	4.03e+02	8.36e+01	-3.50e+00	4.03e+02	8.36e+01	-	3.69e+02	2.02e+02
			Bot	4.15e+02	9.86e+01	2.71e+01	9.63e+01	4.18e+02	-	3.79e+02	2.09e+02	
794	STL ENV_STR (al1)		Cent	Top	4.03e+02	3.00e+01	1.21e+01	4.03e+02	2.96e+01	-	3.90e+02	2.02e+02
			Bot	4.24e+02	3.41e+01	2.89e+00	3.41e+01	4.24e+02	-	4.08e+02	2.12e+02	
795	STL ENV_STR (al1)		Cent	Top	8.72e+02	2.49e+02	-2.97e+01	8.73e+02	2.47e+02	-	7.79e+02	4.36e+02
			Bot	8.87e+02	2.61e+02	2.13e+01	2.60e+02	8.88e+02	-	7.91e+02	4.44e+02	
796	STL ENV_STR (al1)		Cent	Top	8.50e+02	2.52e+02	-1.27e+01	8.51e+02	2.52e+02	-	7.57e+02	4.25e+02
			Bot	8.71e+02	2.54e+02	2.48e+01	2.53e+02	8.72e+02	-	7.77e+02	4.36e+02	
797	STL ENV_STR (al1)		Cent	Top	8.14e+02	1.29e+02	1.82e+01	8.14e+02	1.29e+02	-	7.58e+02	4.07e+02
			Bot	8.57e+02	1.29e+02	3.79e+01	1.27e+02	8.59e+02	-	8.04e+02	4.30e+02	
798	STL ENV_STR (al1)		Cent	Top	2.14e+02	-5.37e+02	2.85e+02	3.10e+02	-6.33e+02	-	8.32e+02	4.71e+02
			Bot	1.91e+02	6.27e+02	6.23e+01	1.82e+02	6.36e+02	-	5.67e+02	3.18e+02	
799	STL ENV_STR (al1)		Cent	Top	3.62e+02	-4.10e+02	2.21e+02	4.20e+02	-4.69e+02	-	7.71e+02	4.45e+02
			Bot	3.56e+02	6.30e+02	7.05e+00	-3.56e+02	6.30e+02	-	5.47e+02	3.15e+02	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	2		2	2				
800	STL ENV_STR(al l)		Cent	Top	4.64e+00 2	- 3.10e+00 2	1.75e+00 2	5.02e+00 2	- 3.48e+00 2	-	7.40e+00 2	4.25e+00 2
			Bot	- 02	4.68e+00 2	- 6.14e+00 2	5.02e+00 1	- 4.52e+00 2	- 6.30e+00 2	-	5.62e+00 02	3.15e+00 2
801	STL ENV_STR(al l)		Cent	Top	1.10e+00 3	1.69e+00 1	1.44e+00 2	1.12e+00 3	- 2.02e+00 0	-	1.12e+00 3	5.61e+00 2
			Bot	- 03	1.13e+00 03	- 7.01e+00 2	1.39e+00 2	- 6.60e+00 2	- 1.17e+00 3	-	1.01e+00 03	5.83e+00 2
802	STL ENV_STR(al l)		Cent	Top	1.12e+00 3	6.70e+00 1	1.34e+00 2	1.14e+00 3	5.04e+00 1	-	1.11e+00 3	5.69e+00 2
			Bot	- 03	1.15e+00 03	- 6.54e+00 2	1.31e+00 2	- 6.21e+00 2	- 1.18e+00 3	-	1.02e+00 03	5.90e+00 2
803	STL ENV_STR(al l)		Cent	Top	1.13e+00 3	1.10e+00 2	1.23e+00 2	1.15e+00 3	9.58e+00 1	-	1.10e+00 3	5.73e+00 2
			Bot	- 03	1.16e+00 03	- 6.08e+00 2	1.22e+00 2	- 5.82e+00 2	- 1.18e+00 3	-	1.03e+00 03	5.92e+00 2
804	STL ENV_STR(al l)		Cent	Top	5.67e+00 2	- 1.66e+00 2	1.22e+00 2	5.87e+00 2	- 1.86e+00 2	-	6.99e+00 2	3.87e+00 2
			Bot	- 02	5.79e+00 02	- 5.46e+00 2	8.39e+00 1	- 4.77e+00 2	- 6.48e+00 2	-	5.82e+00 02	3.24e+00 2
805	STL ENV_STR(al l)		Cent	Top	5.89e+00 2	- 1.13e+00 2	1.07e+00 2	6.05e+00 2	- 1.29e+00 2	-	6.79e+00 2	3.67e+00 2
			Bot	- 02	6.03e+00 02	- 5.04e+00 2	8.65e+00 1	- 4.54e+00 2	- 6.53e+00 2	-	5.80e+00 02	3.27e+00 2
806	STL ENV_STR(al l)		Cent	Top	6.02e+00 2	- 6.74e+00 1	9.52e+00 1	6.15e+00 2	- 8.07e+00 1	-	6.59e+00 2	3.48e+00 2
			Bot	- 02	6.16e+00 02	- 4.61e+00 2	8.45e+00 1	- 4.24e+00 2	- 6.53e+00 2	-	5.74e+00 02	3.27e+00 2
807	STL ENV_STR(al		Cent	Top	1.14e+00 3	1.83e+00 2	1.03e+00 2	1.15e+00 3	1.72e+00 2	-	1.07e+00 3	5.74e+00 2

Element	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)		Bot	-	1.17e+03	5.24e+02	1.04e+02	5.08e+02	1.18e+03	-	1.03e+03	5.91e+02
808	STL ENV_STR(al l)		Cent	Top	1.14e+03	2.14e+02	9.32e+01	1.15e+03	2.05e+02	-	1.06e+03	5.74e+02
			Bot	-	1.17e+03	4.87e+02	9.38e+01	4.74e+02	1.18e+03	-	1.03e+03	5.90e+02
809	STL ENV_STR(al l)		Cent	Top	1.14e+03	2.42e+02	8.35e+01	1.15e+03	2.34e+02	-	1.05e+03	5.74e+02
			Bot	-	1.17e+03	4.53e+02	8.40e+01	4.43e+02	1.18e+03	-	1.03e+03	5.89e+02
810	STL ENV_STR(al l)		Cent	Top	6.12e+02	7.67e+00	7.73e+01	6.21e+02	2.06e+00	-	6.23e+02	3.12e+02
			Bot	-	6.27e+02	3.79e+02	7.42e+01	3.59e+02	6.47e+02	-	5.62e+02	3.24e+02
811	STL ENV_STR(al l)		Cent	Top	6.14e+02	3.91e+01	6.96e+01	6.22e+02	3.08e+01	-	6.07e+02	3.11e+02
			Bot	-	6.29e+02	3.42e+02	6.77e+01	3.27e+02	6.44e+02	-	5.58e+02	3.22e+02
812	STL ENV_STR(al l)		Cent	Top	6.15e+02	6.72e+01	6.22e+01	6.22e+02	6.02e+01	-	5.94e+02	3.11e+02
			Bot	-	6.30e+02	3.09e+02	6.07e+01	2.98e+02	6.41e+02	-	5.56e+02	3.21e+02
813	STL ENV_STR(al l)		Cent	Top	1.14e+03	2.88e+02	6.43e+01	1.15e+03	2.83e+02	-	1.04e+03	5.74e+02
			Bot	-	1.17e+03	3.98e+02	6.43e+01	3.93e+02	1.17e+03	-	1.04e+03	5.87e+02
814	STL ENV_STR(al l)		Cent	Top	1.15e+03	3.07e+02	5.47e+01	1.15e+03	3.03e+02	-	1.03e+03	5.75e+02
			Bot	-	1.17e+03	3.77e+02	5.49e+01	3.73e+02	1.17e+03	-	1.04e+03	5.87e+02
815	STL ENV_STR(al l)		Cent	Top	1.15e+03	3.21e+02	4.60e+01	1.15e+03	3.18e+02	-	1.03e+03	5.76e+02
			Bot	-	1.17e+03	3.59e+02	4.48e+01	3.57e+02	1.18e+03	-	1.04e+03	5.88e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				03	2		2	3				
816	STL ENV_STR(al l)		Cent	Top	6.18e+00 2	1.14e+00 2	4.85e+00 1	6.22e+00 2	1.09e+00 2	-	5.75e+00 2	3.11e+00 2
			Bot	02	6.31e+00 2	2.54e+00 2	4.65e+00 1	2.48e+00 2	6.37e+00 2	-	5.56e+00 2	3.19e+00 2
817	STL ENV_STR(al l)		Cent	Top	6.19e+00 2	1.32e+00 2	4.23e+00 1	6.23e+00 2	1.29e+00 2	-	5.70e+00 2	3.12e+00 2
			Bot	02	6.32e+00 2	2.32e+00 2	3.93e+00 1	2.28e+00 2	6.36e+00 2	-	5.58e+00 2	3.18e+00 2
818	STL ENV_STR(al l)		Cent	Top	6.21e+00 2	1.48e+00 2	3.63e+00 1	6.24e+00 2	1.45e+00 2	-	5.66e+00 2	3.12e+00 2
			Bot	02	6.33e+00 2	2.15e+00 2	3.25e+00 1	2.12e+00 2	6.36e+00 2	-	5.60e+00 2	3.18e+00 2
819	STL ENV_STR(al l)		Cent	Top	1.16e+00 3	3.36e+00 2	3.01e+00 1	1.16e+00 3	3.35e+00 2	-	1.03e+00 3	5.80e+00 2
			Bot	03	1.18e+00 3	3.36e+00 2	2.62e+00 1	3.35e+00 2	1.18e+00 3	-	1.06e+00 3	5.91e+00 2
820	STL ENV_STR(al l)		Cent	Top	1.17e+00 3	3.70e+00 2	1.94e+00 1	1.17e+00 3	3.70e+00 2	-	1.04e+00 3	5.86e+00 2
			Bot	03	1.20e+00 3	3.58e+00 2	1.93e+00 1	3.58e+00 2	1.20e+00 3	-	1.07e+00 3	5.99e+00 2
821	STL ENV_STR(al l)		Cent	Top	1.05e+00 3	2.12e+00 2	1.28e+00 1	1.05e+00 3	2.12e+00 2	-	9.58e+00 2	5.23e+00 2
			Bot	03	1.10e+00 3	2.04e+00 2	3.10e+00 1	2.03e+00 2	1.10e+00 3	-	1.02e+00 3	5.51e+00 2
822	STL ENV_STR(al l)		Cent	Top	6.20e+00 2	1.70e+00 2	2.49e+00 1	6.22e+00 2	1.69e+00 2	-	5.57e+00 2	3.11e+00 2
			Bot	02	6.31e+00 2	1.92e+00 2	2.06e+00 1	1.91e+00 2	6.32e+00 2	-	5.61e+00 2	3.16e+00 2
823	STL ENV_STR(al l)		Cent	Top	6.03e+00 2	1.58e+00 2	4.89e+00 0	6.03e+00 2	1.57e+00 2	-	5.42e+00 2	3.02e+00 2
			Bot	02	6.19e+00 2	1.68e+00 2	3.00e+00 1	1.66e+00 2	6.21e+00 2	-	5.57e+00 2	3.11e+00 2



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
824	STL ENV_STR(a11)		Cent	Top	5.95e+00 2	6.81e+00 1	- 1.16e+00 0	5.95e+00 2	6.81e+00 1	-	5.64e+00 2	2.97e+00 2
			Bot	6.27e+00 02	7.09e+00 1	1.92e+00 1	7.02e+00 1	6.27e+00 2	-	5.95e+00 02	3.14e+00 2	
825	STL ENV_STR(a11)		Cent	Top	- 7.26e+00 1	- 1.71e+00 2	2.84e+00 2	1.67e+00 2	- 4.10e+00 2	-	5.14e+00 2	2.88e+00 2
			Bot	5.63e+00 02	1.10e+00 2	- 4.30e+00 2	3.20e+00 2	- 7.72e+00 2	-	9.72e+00 02	5.46e+00 2	
826	STL ENV_STR(a11)		Cent	Top	- 1.00e+00 2	- 2.67e+00 2	- 4.90e+00 2	3.13e+00 2	- 6.81e+00 2	-	8.81e+00 2	4.97e+00 2
			Bot	2.95e+00 02	2.57e+00 2	5.83e+00 2	6.26e+00 2	- 6.64e+00 2	-	1.12e+00 03	6.45e+00 2	
827	STL ENV_STR(a11)		Cent	Top	1.43e+00 2	- 6.23e+00 2	5.28e+00 2	4.12e+00 2	- 8.92e+00 2	-	1.15e+00 3	6.52e+00 2
			Bot	2.54e+00 02	5.29e+00 2	- 3.75e+00 1	5.31e+00 2	- 2.56e+00 2	-	6.95e+00 02	3.94e+00 2	
828	STL ENV_STR(a11)		Cent	Top	4.51e+00 1	- 4.97e+00 2	2.89e+00 2	1.70e+00 2	- 6.22e+00 2	-	7.23e+00 2	3.96e+00 2
			Bot	1.12e+00 02	4.52e+00 1	1.63e+00 2	1.48e+00 2	- 2.15e+00 2	-	3.16e+00 02	1.81e+00 2	
829	STL ENV_STR(a11)		Cent	Top	1.20e+00 2	- 4.25e+00 2	1.91e+00 2	1.81e+00 2	- 4.85e+00 2	-	5.96e+00 2	3.33e+00 2
			Bot	6.19e+00 01	7.71e+00 2	1.93e+00 2	- 1.26e+00 1	- 8.20e+00 2	-	8.14e+00 02	4.10e+00 2	
830	STL ENV_STR(a11)		Cent	Top	1.35e+00 3	9.95e+00 2	3.32e+00 2	1.55e+00 3	7.95e+00 2	-	1.34e+00 3	7.74e+00 2
			Bot	1.24e+00 03	2.71e+00 3	- 2.68e+00 2	- 1.19e+00 3	- 2.76e+00 3	-	2.40e+00 03	1.38e+00 3	
831	STL ENV_STR(a11)		Cent	Top	2.95e+00 1	- 6.92e+00 2	- 3.72e+00 2	1.87e+00 2	- 8.49e+00 2	-	9.56e+00 2	5.18e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.91e+001	-6.08e+002	1.66e+002	6.04e+001	-6.49e+002	-	6.81e+002	3.55e+002	
832	STL ENV_STR(al l)		Cent	Top	3.94e+002	-1.64e+002	-4.16e+002	6.15e+002	-3.86e+002	-	8.75e+002	5.01e+002
			Bot	-6.08e+002	7.99e+001	-4.67e+001	8.30e+001	-6.11e+002	-	6.57e+002	3.47e+002	
833	STL ENV_STR(al l)		Cent	Top	2.25e+002	-2.69e+002	-3.31e+002	3.91e+002	-4.35e+002	-	7.16e+002	4.13e+002
			Bot	-3.09e+002	-1.81e+002	-2.38e+002	1.70e+000	-4.92e+002	-	4.92e+002	2.47e+002	
834	STL ENV_STR(al l)		Cent	Top	7.95e+001	-5.45e+002	-2.65e+002	1.77e+002	-6.42e+002	-	7.46e+002	4.09e+002
			Bot	2.63e+001	-7.28e+002	-2.47e+002	9.98e+001	-8.01e+002	-	8.56e+002	4.51e+002	
835	STL ENV_STR(al l)		Cent	Top	7.17e+002	4.45e+002	-2.92e+002	9.03e+002	2.59e+002	-	8.06e+002	4.52e+002
			Bot	-5.37e+002	-2.35e+003	2.46e+002	-5.04e+002	-2.39e+003	-	2.18e+003	1.19e+003	
836	STL ENV_STR(al l)		Cent	Top	8.89e+001	-6.34e+002	3.21e+002	2.11e+002	-7.56e+002	-	8.81e+002	4.84e+002
			Bot	3.15e+001	6.77e+002	5.84e+001	2.62e+001	6.82e+002	-	6.70e+002	3.41e+002	
837	STL ENV_STR(al l)		Cent	Top	7.02e+001	2.24e+002	1.51e+002	3.17e+002	-2.24e+001	-	3.29e+002	1.70e+002
			Bot	-2.49e+002	3.80e+002	1.84e+002	-1.20e+002	5.10e+002	-	4.62e+002	2.55e+002	
838	STL ENV_STR(al l)		Cent	Top	9.70e+001	-1.05e+002	4.18e+002	4.26e+002	-4.34e+002	-	7.45e+002	4.30e+002
			Bot	8.27e+001	6.79e+002	6.54e+001	7.56e+001	6.86e+002	-	6.51e+002	3.43e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
839	STL ENV_STR(al l)		Cent	Top	6.56e+00 1	- 9.50e+00 2	2.04e+00 2	1.05e+00 2	- 9.89e+00 2	-	1.05e+00 3	5.47e+00 2
			Bot	1.56e+00 01	- 4.93e+00 2	1.88e+00 1	1.63e+00 1	- 4.94e+00 2	-	5.02e+00 02	2.55e+00 2	
840	STL ENV_STR(al l)		Cent	Top	1.05e+00 2	- 9.08e+00 2	- 3.80e+00 2	2.32e+00 2	- 1.03e+00 3	-	1.17e+00 3	6.33e+00 2
			Bot	- 6.36e+00 00	- 6.49e+00 2	2.65e+00 2	8.87e+00 1	- 7.44e+00 2	-	7.92e+00 02	4.16e+00 2	
841	STL ENV_STR(al l)		Cent	Top	- 7.15e+00 0	- 1.12e+00 2	- 2.25e+00 2	1.71e+00 2	- 2.90e+00 2	-	4.04e+00 2	2.31e+00 2
			Bot	- 2.91e+00 02	- 1.65e+00 1	- 2.12e+00 2	9.87e+00 1	- 4.06e+00 2	-	4.64e+00 02	2.52e+00 2	
842	STL ENV_STR(al l)		Cent	Top	1.73e+00 2	- 1.20e+00 2	- 4.45e+00 2	4.95e+00 2	- 4.42e+00 2	-	8.11e+00 2	4.68e+00 2
			Bot	- 1.65e+00 02	- 6.48e+00 2	- 1.72e+00 2	- 1.10e+00 2	- 7.03e+00 2	-	6.55e+00 02	3.51e+00 2	
843	STL ENV_STR(al l)		Cent	Top	1.49e+00 2	- 8.19e+00 2	- 3.00e+00 2	2.34e+00 2	- 9.04e+00 2	-	1.04e+00 3	5.69e+00 2
			Bot	6.88e+00 01	- 7.55e+00 2	- 5.28e+00 1	7.22e+00 1	- 7.59e+00 2	-	7.97e+00 02	4.15e+00 2	
844	STL ENV_STR(al l)		Cent	Top	- 4.93e+00 2	- 1.18e+00 3	4.83e+00 2	- 2.45e+00 2	- 1.43e+00 3	-	1.33e+00 3	7.16e+00 2
			Bot	6.28e+00 02	- 4.44e+00 2	- 2.95e+00 2	7.04e+00 2	- 5.19e+00 2	-	1.06e+00 03	6.12e+00 2	
845	STL ENV_STR(al l)		Cent	Top	- 3.43e+00 2	- 3.52e+00 2	5.45e+00 2	1.97e+00 2	- 8.92e+00 2	-	1.01e+00 3	5.45e+00 2
			Bot	1.44e+00 02	3.67e+00 2	- 6.18e+00 2	8.83e+00 2	- 3.73e+00 2	-	1.12e+00 03	6.28e+00 2	
846	STL ENV_STR(al l)		Cent	Top	8.52e+00 1	- 6.13e+00 1	- 2.11e+00 1	8.82e+00 1	- 6.43e+00 1	-	1.33e+00 2	7.62e+00 1

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
			Bot	9.82e+002	4.92e+001	2.34e+002	6.28e+000	1.04e+003	-	1.04e+003	5.22e+002			
847	STL ENV_STR(al l)		Cent	Top	7.39e+002	1.49e+002	2.65e+002	8.40e+002	4.74e+001	-	8.17e+002	4.20e+002		
			Bot	-	1.03e+003	1.86e+002	1.33e+002	-	1.65e+002	1.05e+003	-	9.81e+002	5.26e+002	
848	STL ENV_STR(al l)		Cent	Top	4.07e+002	-	1.15e+002	3.70e+002	5.99e+002	-	3.07e+002	7.98e+002	4.53e+002	
			Bot	-	5.05e+002	3.25e+002	3.29e+002	-	7.41e+001	7.56e+002	-	7.21e+002	3.78e+002	
849	STL ENV_STR(al l)		Cent	Top	-	6.18e+001	-	6.76e+002	3.45e+002	9.27e+001	-	8.30e+002	8.80e+002	4.62e+002
			Bot	2.01e+002	-	6.56e+002	3.22e+002	3.09e+002	-	7.63e+002	-	9.56e+002	5.36e+002	
850	STL ENV_STR(al l)		Cent	Top	-	2.04e+003	-	8.57e+002	1.27e+002	-	8.43e+002	2.05e+003	1.79e+003	1.03e+003
			Bot	2.31e+003	-	1.33e+003	1.09e+002	2.32e+003	-	1.33e+003	-	3.20e+003	1.83e+003	
851	STL ENV_STR(al l)		Cent	Top	-	3.26e+002	-	1.31e+003	6.68e+002	1.16e+001	-	1.65e+003	8.30e+002	
			Bot	3.38e+002	1.24e+003	1.52e+002	1.26e+003	3.13e+002	-	1.14e+003	6.31e+002			
852	STL ENV_STR(al l)		Cent	Top	-	2.69e+002	-	8.42e+002	3.03e+002	1.39e+002	-	9.73e+002	9.11e+002	4.86e+002
			Bot	2.16e+002	3.98e+002	-	3.66e+001	4.05e+002	2.09e+002	-	3.51e+002	2.03e+002		
853	STL ENV_STR(al l)		Cent	Top	8.89e+001	-	3.88e+002	-	1.37e+002	1.25e+002	-	4.24e+002	4.99e+002	2.75e+002
			Bot	-	7.21e+001	7.28e+002	1.26e+002	-	4.87e+001	7.52e+002	-	7.29e+002	3.76e+002	
854	STL ENV_STR(al		Cent	Top	1.18e+001	1.07e+001	-	2.71e+001	1.40e+001	8.47e+001	-	1.22e+001	7.00e+001	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
	1)		t		3	3	2	3	2		3	2		
			Bot		1.12e+03	2.64e+03	2.05e+02	1.09e+03	2.67e+03	-	2.32e+03	1.33e+03		
855	STL ENV_STR(al l)		Cent	Top	1.23e+02	-	1.74e+02	2.79e+02	2.90e+02	-	3.41e+02	-	5.47e+02	3.16e+02
			Bot		5.68e+02	1.72e+02	2.64e+02	2.56e+02	-	6.53e+02	-	8.11e+02	4.54e+02	
856	STL ENV_STR(al l)		Cent	Top	1.76e+02	-	1.37e+02	3.95e+02	4.44e+02	-	4.05e+02	-	7.36e+02	4.25e+02
			Bot		1.74e+02	-	6.30e+02	2.95e+02	-	7.75e+02	-	7.61e+02	3.88e+02	
857	STL ENV_STR(al l)		Cent	Top	-	1.41e+02	8.37e+02	3.27e+02	-	1.15e+02	9.67e+02	-	9.61e+02	4.83e+02
			Bot		5.11e+02	-	9.11e+02	1.82e+02	5.34e+02	-	9.34e+02	-	1.29e+03	7.34e+02
858	STL ENV_STR(al l)		Cent	Top	-	1.28e+03	-	1.40e+03	3.55e+02	9.80e+02	1.70e+03	-	1.48e+03	8.50e+02
			Bot		1.45e+03	-	2.78e+02	5.67e+01	1.45e+03	-	2.80e+02	-	1.61e+03	8.66e+02
859	STL ENV_STR(al l)		Cent	Top	5.97e+01	6.39e+02	-	8.20e+01	6.51e+02	4.83e+01	-	6.28e+02	3.25e+02	
			Bot		1.60e+02	8.19e+02	-	1.69e+02	1.19e+02	8.60e+02	-	8.07e+02	4.30e+02	
860	STL ENV_STR(al l)		Cent	Top	4.38e+01	-	7.24e+00	3.34e+02	3.53e+02	-	3.16e+02	-	5.80e+02	3.35e+02
			Bot		2.24e+01	-	7.46e+02	3.62e+01	2.06e+01	7.48e+02	-	7.38e+02	3.74e+02	
861	STL ENV_STR(al l)		Cent	Top	-	4.86e+01	-	1.00e+03	1.27e+02	3.20e+01	1.02e+03	-	1.00e+03	5.10e+02
			Bot		4.72e+01	-	3.16e+00	3.83e+00	4.73e+00	-	3.42e+00	-	1.81e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	2	0	1	2		02	2	
862	STL ENV_STR(al l)		Cent	Top	3.88e+00 2	- 6.25e+00 2	2.17e+00 2	4.33e+00 2	- 6.70e+00 2	-	9.62e+00 2	5.51e+00 2
			Bot	- 02	3.21e+00 2	- 8.58e+00 2	- 1.53e+00 2	- 2.80e+00 2	- 8.98e+00 2	-	7.96e+00 2	4.49e+00 2
863	STL ENV_STR(al l)		Cent	Top	2.17e+00 2	- 5.70e+00 2	- 2.35e+00 2	2.82e+00 2	- 6.35e+00 2	-	8.14e+00 2	4.59e+00 2
			Bot	- 02	1.55e+00 2	- 7.47e+00 2	- 8.98e+00 1	- 1.42e+00 2	- 7.61e+00 2	-	7.01e+00 2	3.80e+00 2
864	STL ENV_STR(al l)		Cent	Top	5.28e+00 2	- 2.31e+00 2	- 1.46e+00 2	5.55e+00 2	- 2.58e+00 2	-	7.20e+00 2	4.07e+00 2
			Bot	- 02	5.37e+00 2	- 5.84e+00 2	- 7.14e+00 1	- 4.85e+00 2	- 6.36e+00 2	-	5.75e+00 2	3.18e+00 2
865	STL ENV_STR(al l)		Cent	Top	1.06e+00 3	- 4.39e+00 1	- 1.58e+00 2	1.08e+00 3	- 6.61e+00 1	-	1.12e+00 3	5.76e+00 2
			Bot	- 03	1.08e+00 2	- 7.46e+00 2	- 1.42e+00 2	- 6.94e+00 2	- 1.13e+00 3	-	9.90e+00 2	5.67e+00 2
866	STL ENV_STR(al l)		Cent	Top	6.08e+00 2	- 2.81e+00 1	- 8.72e+00 1	6.19e+00 2	- 3.98e+00 1	-	6.40e+00 2	3.30e+00 2
			Bot	- 02	6.22e+00 2	- 4.19e+00 2	- 7.87e+00 1	- 3.92e+00 2	- 6.49e+00 2	-	5.66e+00 2	3.25e+00 2
867	STL ENV_STR(al l)		Cent	Top	1.13e+00 3	1.49e+00 2	- 1.14e+00 2	1.15e+00 3	1.35e+00 2	-	1.09e+00 3	5.74e+00 2
			Bot	- 03	1.16e+00 2	- 5.64e+00 2	- 1.12e+00 2	- 5.44e+00 2	- 1.18e+00 3	-	1.03e+00 3	5.91e+00 2
868	STL ENV_STR(al l)		Cent	Top	6.16e+00 2	9.17e+00 1	- 5.62e+00 1	6.22e+00 2	8.58e+00 1	-	5.84e+00 2	3.11e+00 2
			Bot	- 02	6.30e+00 2	- 2.79e+00 2	- 5.28e+00 1	- 2.72e+00 2	- 6.38e+00 2	-	5.55e+00 2	3.19e+00 2
869	STL ENV_STR(al		Cent	Top	1.14e+00	2.66e+00	- 7.47e+00	1.15e+00	2.60e+00	-	1.04e+00	5.73e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)		t		3	2	1	3	2		3	2
			Bot		1.17e+03	4.24e+02	7.34e+01	4.16e+02	1.18e+03	-	1.03e+03	5.88e+02
870	STL ENV_STR(al l)		Cent	Top	6.23e+02	1.59e+02	-3.12e+01	6.25e+02	1.56e+02	-	5.63e+02	3.13e+02
			Bot		6.34e+02	1.99e+02	2.58e+01	1.98e+02	6.35e+02	-	5.63e+02	3.18e+02
871	STL ENV_STR(al l)		Cent	Top	1.15e+03	3.36e+02	-3.68e+01	1.16e+03	3.34e+02	-	1.03e+03	5.78e+02
			Bot		1.18e+03	3.51e+02	3.61e+01	3.49e+02	1.18e+03	-	1.05e+03	5.89e+02
872	STL ENV_STR(al l)		Cent	Top	1.38e+01	-7.37e+02	3.77e+02	1.71e+02	-8.94e+02	-	9.90e+02	5.32e+02
			Bot		2.30e+01	-5.46e+02	-2.24e+02	1.00e+02	-6.23e+02	-	6.79e+02	3.62e+02
873	STL ENV_STR(al l)		Cent	Top	7.72e+02	-1.43e+02	1.50e+02	7.96e+02	-1.67e+02	-	8.91e+02	4.81e+02
			Bot		7.86e+02	6.61e+02	1.08e+02	5.98e+02	8.48e+02	-	7.55e+02	4.24e+02
874	STL ENV_STR(al l)		Cent	Top	3.32e+02	-3.07e+02	1.36e+02	3.60e+02	-3.34e+02	-	6.01e+02	3.47e+02
			Bot		3.38e+02	5.18e+02	4.09e+01	3.29e+02	5.27e+02	-	4.61e+02	2.64e+02
875	STL ENV_STR(al l)		Cent	Top	8.51e+02	5.41e+01	9.93e+01	8.63e+02	4.19e+01	-	8.43e+02	4.32e+02
			Bot		8.72e+02	4.86e+02	9.67e+01	4.63e+02	8.95e+02	-	7.75e+02	4.47e+02
876	STL ENV_STR(al l)		Cent	Top	4.06e+02	-9.62e+01	7.22e+01	4.16e+02	-1.06e+02	-	4.79e+02	2.61e+02
			Bot		4.16e+02	3.63e+02	6.35e+01	3.21e+02	4.58e+02	-	4.07e+02	2.29e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	2		2	2				
877	STL ENV_STR(al l)		Cent	Top	8.58e+00 2	1.73e+00 2	6.45e+00 1	8.64e+00 2	1.67e+00 2	-	7.94e+00 2	4.32e+00 2
			Bot	02	8.79e+00 2	3.46e+00 2	6.39e+00 1	3.38e+00 2	8.86e+00 2	-	7.75e+00 2	4.43e+00 2
878	STL ENV_STR(al l)		Cent	Top	4.14e+00 2	2.46e+00 1	4.58e+00 1	4.20e+00 2	1.93e+00 1	-	4.10e+00 2	2.10e+00 2
			Bot	02	4.24e+00 2	2.25e+00 2	4.33e+00 1	2.16e+00 2	4.33e+00 2	-	3.75e+00 2	2.16e+00 2
879	STL ENV_STR(al l)		Cent	Top	8.69e+00 2	2.39e+00 2	3.36e+00 1	8.70e+00 2	2.38e+00 2	-	7.79e+00 2	4.35e+00 2
			Bot	02	8.84e+00 2	2.69e+00 2	3.16e+00 1	2.67e+00 2	8.86e+00 2	-	7.87e+00 2	4.43e+00 2
880	STL ENV_STR(al l)		Cent	Top	4.18e+00 2	9.26e+00 1	2.68e+00 1	4.21e+00 2	9.04e+00 1	-	3.84e+00 2	2.10e+00 2
			Bot	02	4.25e+00 2	1.43e+00 2	2.13e+00 1	1.41e+00 2	4.27e+00 2	-	3.76e+00 2	2.13e+00 2
881	STL ENV_STR(al l)		Cent	Top	2.12e+00 2	- 5.38e+00 2	- 2.88e+00 2	3.10e+00 2	- 6.35e+00 2	-	8.35e+00 2	4.73e+00 2
			Bot	02	1.90e+00 2	6.27e+00 2	6.48e+00 1	1.81e+00 2	6.37e+00 2	-	5.68e+00 2	3.18e+00 2
882	STL ENV_STR(al l)		Cent	Top	3.61e+00 2	- 4.11e+00 2	- 2.23e+00 2	4.21e+00 2	- 4.71e+00 2	-	7.73e+00 2	4.46e+00 2
			Bot	02	3.55e+00 2	6.30e+00 2	4.58e+00 0	3.54e+00 2	6.30e+00 2	-	5.47e+00 2	3.15e+00 2
883	STL ENV_STR(al l)		Cent	Top	4.63e+00 2	- 3.11e+00 2	- 1.77e+00 2	5.01e+00 2	- 3.50e+00 2	-	7.41e+00 2	4.26e+00 2
			Bot	02	4.66e+00 2	6.14e+00 2	4.79e+00 1	4.52e+00 2	6.28e+00 2	-	5.61e+00 2	3.14e+00 2
884	STL ENV_STR(al l)		Cent	Top	3.86e+00 2	- 4.52e+00 2	2.54e+00 2	4.57e+00 2	- 5.23e+00 2	-	8.49e+00 2	4.90e+00 2
			Bot	02	3.60e+00 2	7.14e+00 2	2.00e+00 2	3.59e+00 2	7.15e+00 2	-	6.19e+00 2	3.58e+00 2



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	2	1	2	2		02	2	
885	STL ENV_STR(al l)		Cent	Top	5.81e+00 2	- 3.19e+00 2	2.06e+00 2	6.26e+00 2	- 3.64e+00 2	-	8.67e+00 2	4.95e+00 2
			Bot	- 02	5.76e+00 2	- 7.17e+00 2	6.89e+00 1	- 5.48e+00 2	- 7.45e+00 2	-	6.68e+00 02	3.72e+00 2
886	STL ENV_STR(al l)		Cent	Top	7.02e+00 2	- 2.20e+00 2	1.73e+00 2	7.33e+00 2	- 2.51e+00 2	-	8.86e+00 2	4.92e+00 2
			Bot	- 02	7.08e+00 02	- 6.96e+00 2	9.58e+00 1	- 6.06e+00 2	- 7.98e+00 2	-	7.21e+00 02	3.99e+00 2
887	STL ENV_STR(al l)		Cent	Top	6.24e+00 2	- 3.59e+00 2	- 2.08e+00 2	6.66e+00 2	- 4.01e+00 2	-	9.34e+00 2	5.34e+00 2
			Bot	- 02	5.97e+00 02	- 8.07e+00 2	- 1.20e+00 2	- 5.43e+00 2	- 8.61e+00 2	-	7.54e+00 02	4.31e+00 2
888	STL ENV_STR(al l)		Cent	Top	8.58e+00 2	- 2.20e+00 2	- 1.87e+00 2	8.90e+00 2	- 2.52e+00 2	-	1.04e+00 3	5.71e+00 2
			Bot	- 02	8.55e+00 02	- 8.09e+00 2	- 1.37e+00 2	- 6.94e+00 2	- 9.71e+00 2	-	8.66e+00 02	4.85e+00 2
889	STL ENV_STR(al l)		Cent	Top	9.91e+00 2	- 1.19e+00 2	- 1.72e+00 2	1.02e+00 3	- 1.45e+00 2	-	1.10e+00 3	5.81e+00 2
			Bot	- 03	1.00e+00 03	- 7.85e+00 2	- 1.42e+00 2	- 7.15e+00 2	- 1.07e+00 3	-	9.45e+00 02	5.36e+00 2
890	STL ENV_STR(al l)		Cent	Top	5.66e+00 2	- 1.67e+00 2	- 1.24e+00 2	5.87e+00 2	- 1.87e+00 2	-	7.00e+00 2	3.87e+00 2
			Bot	- 02	5.78e+00 02	- 5.46e+00 2	- 8.20e+00 1	- 4.78e+00 2	- 6.46e+00 2	-	5.80e+00 02	3.23e+00 2
891	STL ENV_STR(al l)		Cent	Top	5.89e+00 2	- 1.14e+00 2	- 1.09e+00 2	6.05e+00 2	- 1.30e+00 2	-	6.79e+00 2	3.68e+00 2
			Bot	- 02	6.02e+00 02	- 5.04e+00 2	- 8.48e+00 1	- 4.55e+00 2	- 6.51e+00 2	-	5.78e+00 02	3.25e+00 2
892	STL ENV_STR(al		Cent	Top	6.01e+00	- 6.80e+00	- 9.69e+00	6.15e+00	- 8.17e+00	-	6.59e+00	3.48e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)		t		2	1	1	2	1		2	2
			Bot		6.15e+02	4.60e+02	8.31e+01	4.24e+02	6.51e+02	-	5.73e+02	3.26e+02
893	STL ENV_STR(al l)		Cent	Top	1.10e+03	1.64e+03	-1.46e+02	1.12e+03	-3.01e+00	-	1.12e+03	5.61e+02
			Bot		1.12e+03	7.01e+02	1.37e+02	6.60e+02	1.16e+03	-	1.01e+03	5.82e+02
894	STL ENV_STR(al l)		Cent	Top	1.12e+03	6.66e+03	-1.35e+02	1.14e+03	4.95e+03	-	1.11e+03	5.69e+02
			Bot		1.15e+03	6.54e+02	1.30e+02	6.22e+02	1.18e+03	-	1.02e+03	5.89e+02
895	STL ENV_STR(al l)		Cent	Top	1.13e+03	1.10e+02	-1.25e+02	1.14e+03	9.51e+01	-	1.10e+03	5.72e+02
			Bot		1.16e+03	6.08e+02	1.21e+02	5.82e+02	1.18e+03	-	1.02e+03	5.91e+02
896	STL ENV_STR(al l)		Cent	Top	6.11e+02	7.26e+00	-7.86e+01	6.21e+02	-2.80e+00	-	6.23e+02	3.12e+02
			Bot		6.26e+02	3.79e+02	7.30e+01	3.59e+02	6.46e+02	-	5.61e+02	3.23e+02
897	STL ENV_STR(al l)		Cent	Top	6.13e+02	3.88e+01	-7.07e+01	6.22e+02	3.02e+01	-	6.07e+02	3.11e+02
			Bot		6.28e+02	3.42e+02	6.66e+01	3.27e+02	6.43e+02	-	5.57e+02	3.22e+02
898	STL ENV_STR(al l)		Cent	Top	6.15e+02	6.68e+01	-6.33e+01	6.22e+02	5.96e+01	-	5.94e+02	3.11e+02
			Bot		6.29e+02	3.09e+02	5.98e+01	2.98e+02	6.40e+02	-	5.55e+02	3.20e+02
899	STL ENV_STR(al l)		Cent	Top	1.14e+03	1.83e+02	-1.04e+02	1.15e+03	1.72e+02	-	1.07e+03	5.74e+02
			Bot		1.17e+03	5.24e+02	1.02e+02	5.08e+02	1.18e+03	-	1.03e+03	5.91e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				03	2	2	2	3		03	2	
900	STL ENV_STR(al l)		Cent	Top	1.14e+00 3	2.14e+00 2	- 9.44e+00 1	1.15e+00 3	2.05e+00 2	-	1.06e+00 3	5.74e+00 2
			Bot	-	1.17e+00 03	-	4.86e+00 2	-	9.27e+00 1	4.74e+00 2	1.18e+00 3	-
901	STL ENV_STR(al l)		Cent	Top	1.14e+00 3	2.42e+00 2	- 8.45e+00 1	1.15e+00 3	2.34e+00 2	-	1.05e+00 3	5.74e+00 2
			Bot	-	1.17e+00 03	-	4.53e+00 2	-	8.30e+00 1	4.43e+00 2	1.18e+00 3	-
902	STL ENV_STR(al l)		Cent	Top	6.17e+00 2	1.14e+00 2	- 4.94e+00 1	6.22e+00 2	1.09e+00 2	-	5.75e+00 2	3.11e+00 2
			Bot	-	6.31e+00 02	-	2.54e+00 2	-	4.57e+00 1	2.48e+00 2	6.37e+00 2	-
903	STL ENV_STR(al l)		Cent	Top	6.19e+00 2	1.32e+00 2	- 4.31e+00 1	6.23e+00 2	1.28e+00 2	-	5.70e+00 2	3.11e+00 2
			Bot	-	6.32e+00 02	-	2.32e+00 2	-	3.86e+00 1	2.28e+00 2	6.36e+00 2	-
904	STL ENV_STR(al l)		Cent	Top	6.21e+00 2	1.48e+00 2	- 3.70e+00 1	6.24e+00 2	1.45e+00 2	-	5.65e+00 2	3.12e+00 2
			Bot	-	6.33e+00 02	-	2.15e+00 2	-	3.20e+00 1	2.12e+00 2	6.35e+00 2	-
905	STL ENV_STR(al l)		Cent	Top	1.14e+00 3	2.88e+00 2	- 6.51e+00 1	1.15e+00 3	2.83e+00 2	-	1.03e+00 3	5.73e+00 2
			Bot	-	1.17e+00 03	-	3.98e+00 2	-	6.36e+00 1	3.92e+00 2	1.17e+00 3	-
906	STL ENV_STR(al l)		Cent	Top	1.14e+00 3	3.07e+00 2	- 5.54e+00 1	1.15e+00 3	3.03e+00 2	-	1.03e+00 3	5.74e+00 2
			Bot	-	1.17e+00 03	-	3.77e+00 2	-	5.42e+00 1	3.73e+00 2	1.17e+00 3	-
907	STL ENV_STR(al		Cent	Top	1.15e+00	3.21e+00	- 4.67e+00	1.15e+00	3.18e+00	-	1.03e+00	5.76e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)		t		3	2	1	3	2		3	2
			Bot		1.17e+03	3.59e+02	4.43e+01	3.57e+02	1.17e+03	-	1.04e+03	5.87e+02
908	STL ENV_STR(al l)		Cent	Top	6.20e+02	1.70e+02	-2.54e+01	6.21e+02	1.68e+02	-	5.57e+02	3.11e+02
			Bot		6.31e+02	1.92e+02	2.02e+01	1.91e+02	6.32e+02	-	5.61e+02	3.16e+02
909	STL ENV_STR(al l)		Cent	Top	6.02e+02	1.57e+02	-5.26e+00	6.02e+02	1.57e+02	-	5.41e+02	3.01e+02
			Bot		6.19e+02	1.68e+02	2.97e+01	1.66e+02	6.21e+02	-	5.57e+02	3.10e+02
910	STL ENV_STR(al l)		Cent	Top	5.94e+02	6.80e+01	8.45e-001	5.94e+02	6.80e+01	-	5.63e+02	2.97e+02
			Bot		6.26e+02	7.08e+01	1.89e+01	7.01e+01	6.27e+02	-	5.95e+02	3.13e+02
911	STL ENV_STR(al l)		Cent	Top	1.16e+03	3.36e+02	-3.06e+01	1.16e+03	3.35e+02	-	1.03e+03	5.80e+02
			Bot		1.18e+03	3.36e+02	2.58e+01	3.35e+02	1.18e+03	-	1.05e+03	5.91e+02
912	STL ENV_STR(al l)		Cent	Top	1.17e+03	3.70e+02	-1.98e+01	1.17e+03	3.70e+02	-	1.04e+03	5.86e+02
			Bot		1.20e+03	3.58e+02	1.90e+01	3.57e+02	1.20e+03	-	1.07e+03	5.99e+02
913	STL ENV_STR(al l)		Cent	Top	1.04e+03	2.12e+02	1.25e+01	1.05e+03	2.12e+02	-	9.57e+02	5.23e+02
			Bot		1.10e+03	2.04e+02	3.06e+01	2.03e+02	1.10e+03	-	1.02e+03	5.51e+02
914	STL ENV_STR(al l)		Cent	Top	9.55e+01	-6.11e+02	2.99e+02	2.05e+02	-7.21e+02	-	8.42e+02	4.63e+02
			Bot		7.78e+01	5.50e+02	1.24e+02	4.72e+01	5.80e+02	-	5.58e+02	2.90e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
915	STL ENV_STR(al l)		Cent	Top	1.97e+00 2	- 4.92e+00 2	2.27e+00 2	2.65e+00 2	- 5.60e+00 2	-	7.30e+00 2	4.12e+00 2
			Bot	1.91e+00 02	5.52e+00 2	4.45e+00 1	1.86e+00 2	5.58e+00 2	-	4.92e+00 02	2.79e+00 2	
916	STL ENV_STR(al l)		Cent	Top	2.77e+00 2	- 3.90e+00 2	1.73e+00 2	3.19e+00 2	- 4.32e+00 2	-	6.53e+00 2	3.76e+00 2
			Bot	2.79e+00 02	5.43e+00 2	9.18e+00 0	2.79e+00 2	5.43e+00 2	-	4.70e+00 02	2.71e+00 2	
917	STL ENV_STR(al l)		Cent	Top	8.12e+00 2	- 8.09e+00 1	1.33e+00 2	8.32e+00 2	- 1.00e+00 2	-	8.86e+00 2	4.66e+00 2
			Bot	8.29e+00 02	6.18e+00 2	1.11e+00 2	5.71e+00 2	8.77e+00 2	-	7.71e+00 02	4.39e+00 2	
918	STL ENV_STR(al l)		Cent	Top	8.34e+00 2	- 2.93e+00 1	1.20e+00 2	8.50e+00 2	- 4.57e+00 1	-	8.74e+00 2	4.48e+00 2
			Bot	8.53e+00 02	5.74e+00 2	1.09e+00 2	5.36e+00 2	8.90e+00 2	-	7.76e+00 02	4.45e+00 2	
919	STL ENV_STR(al l)		Cent	Top	8.45e+00 2	1.50e+00 1	1.09e+00 2	8.59e+00 2	9.58e- 001	-	8.59e+00 2	4.30e+00 2
			Bot	8.66e+00 02	5.29e+00 2	1.04e+00 2	5.00e+00 2	8.95e+00 2	-	7.77e+00 02	4.47e+00 2	
920	STL ENV_STR(al l)		Cent	Top	3.67e+00 2	- 2.39e+00 2	1.11e+00 2	3.87e+00 2	- 2.59e+00 2	-	5.63e+00 2	3.23e+00 2
			Bot	3.75e+00 02	4.85e+00 2	5.75e+00 1	3.50e+00 2	5.09e+00 2	-	4.51e+00 02	2.55e+00 2	
921	STL ENV_STR(al l)		Cent	Top	3.88e+00 2	- 1.84e+00 2	9.35e+00 1	4.03e+00 2	- 1.99e+00 2	-	5.31e+00 2	3.01e+00 2
			Bot	3.97e+00 02	4.45e+00 2	6.44e+00 1	3.52e+00 2	4.90e+00 2	-	4.37e+00 02	2.45e+00 2	
922	STL ENV_STR(al l)		Cent	Top	4.00e+00 2	- 1.37e+00 2	8.14e+00 1	4.12e+00 2	- 1.49e+00 2	-	5.03e+00 2	2.80e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	- 4.09e+002	- 4.04e+002	6.56e+001	- 3.41e+002	- 4.72e+002	-	4.22e+002	2.36e+002	
923	STL ENV_STR(al l)		Cent	Top	8.54e+002	8.89e+001	9.01e+001	8.65e+002	7.85e+001	-	8.28e+002	4.32e+002
			Bot	- 8.75e+002	- 4.46e+002	8.89e+001	- 4.28e+002	- 8.93e+002	-	7.74e+002	4.47e+002	
924	STL ENV_STR(al l)		Cent	Top	8.56e+002	1.20e+002	8.14e+001	8.65e+002	1.11e+002	-	8.15e+002	4.32e+002
			Bot	- 8.77e+002	- 4.09e+002	8.08e+001	- 3.95e+002	- 8.91e+002	-	7.73e+002	4.45e+002	
925	STL ENV_STR(al l)		Cent	Top	8.57e+002	1.48e+002	7.28e+001	8.65e+002	1.41e+002	-	8.04e+002	4.32e+002
			Bot	- 8.78e+002	- 3.76e+002	7.24e+001	- 3.65e+002	- 8.88e+002	-	7.73e+002	4.44e+002	
926	STL ENV_STR(al l)		Cent	Top	4.10e+002	- 6.04e+001	6.45e+001	4.19e+002	- 6.91e+001	-	4.57e+002	2.44e+002
			Bot	- 4.20e+002	- 3.24e+002	5.95e+001	- 2.95e+002	- 4.48e+002	-	3.95e+002	2.24e+002	
927	STL ENV_STR(al l)		Cent	Top	4.12e+002	- 2.87e+001	5.78e+001	4.19e+002	- 3.61e+001	-	4.38e+002	2.28e+002
			Bot	- 4.22e+002	- 2.87e+002	5.45e+001	- 2.68e+002	- 4.41e+002	-	3.85e+002	2.21e+002	
928	STL ENV_STR(al l)		Cent	Top	4.13e+002	-4.07e- 001	5.16e+001	4.20e+002	- 6.74e+000	-	4.23e+002	2.13e+002
			Bot	- 4.23e+002	- 2.54e+002	4.91e+001	- 2.41e+002	- 4.36e+002	-	3.79e+002	2.18e+002	
929	STL ENV_STR(al l)		Cent	Top	8.60e+002	1.94e+002	5.65e+001	8.65e+002	1.90e+002	-	7.87e+002	4.32e+002
			Bot	- 8.80e+002	- 3.20e+002	5.54e+001	- 3.15e+002	- 8.85e+002	-	7.77e+002	4.43e+002	
930	STL ENV_STR(al		Cent	Top	8.62e+002	2.13e+002	4.86e+001	8.66e+002	2.09e+002	-	7.83e+002	4.33e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	l)		Bot	-	8.81e+00	2.99e+00	4.71e+00	8.85e+00	-	7.80e+00	4.42e+00	
			Top	-	8.81e+00	2.99e+00	4.71e+00	8.85e+00	-	7.80e+00	4.42e+00	
931	STL ENV_STR(al l)		Cent	Top	8.66e+00	2.28e+00	4.15e+00	8.68e+00	2.26e+00	-	7.80e+00	4.34e+00
			Bot	-	8.82e+00	2.82e+00	3.85e+00	8.85e+00	-	7.83e+00	4.42e+00	
932	STL ENV_STR(al l)		Cent	Top	4.15e+00	4.66e+00	4.05e+00	4.20e+00	4.22e+00	-	4.00e+00	2.10e+00
			Bot	-	4.25e+00	1.99e+00	3.75e+00	4.31e+00	-	3.74e+00	2.15e+00	
933	STL ENV_STR(al l)		Cent	Top	4.17e+00	6.55e+00	3.56e+00	4.20e+00	6.20e+00	-	3.93e+00	2.10e+00
			Bot	-	4.25e+00	1.77e+00	3.17e+00	4.29e+00	-	3.74e+00	2.15e+00	
934	STL ENV_STR(al l)		Cent	Top	4.18e+00	8.11e+00	3.09e+00	4.21e+00	7.83e+00	-	3.88e+00	2.10e+00
			Bot	-	4.25e+00	1.58e+00	2.64e+00	4.28e+00	-	3.75e+00	2.14e+00	
935	STL ENV_STR(al l)		Cent	Top	8.72e+00	2.49e+00	2.92e+00	8.74e+00	2.48e+00	-	7.80e+00	4.37e+00
			Bot	-	8.88e+00	2.61e+00	2.17e+00	8.88e+00	-	7.91e+00	4.44e+00	
936	STL ENV_STR(al l)		Cent	Top	8.51e+00	2.53e+00	1.23e+00	8.51e+00	2.52e+00	-	7.57e+00	4.26e+00
			Bot	-	8.72e+00	2.55e+00	2.51e+00	8.73e+00	-	7.78e+00	4.36e+00	
937	STL ENV_STR(al l)		Cent	Top	8.15e+00	1.29e+00	1.85e+00	8.15e+00	1.29e+00	-	7.59e+00	4.08e+00
			Bot	-	8.58e+00	1.29e+00	3.82e+00	8.60e+00	-	8.04e+00	4.30e+00	
938	STL ENV_STR(al l)		Cent	Top	4.13e+00	1.01e+00	1.89e+00	4.14e+00	9.99e+00	-	3.75e+00	2.07e+00
			Bot	-	4.20e+00	1.31e+00	2.05e+00	4.22e+00	-	3.74e+00	2.11e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
				02	2		2	2					
939	STL ENV_STR (al l)		Cent	Top	4.04e+00 2	8.39e+00 1	3.16e+00 0	4.04e+00 2	8.39e+00 1	-	3.69e+00 2	2.02e+00 2	
			Bot	02	4.16e+00 02	9.88e+00 1	2.74e+00 1	9.65e+00 1	4.18e+00 2	-	3.79e+00 02	2.09e+00 2	
940	STL ENV_STR (al l)		Cent	Top	4.04e+00 2	3.01e+00 1	1.19e+00 1	4.04e+00 2	2.97e+00 1	-	3.90e+00 2	2.02e+00 2	
			Bot	-	4.25e+00 02	3.42e+00 1	3.14e+00 0	3.42e+00 1	4.25e+00 2	-	4.09e+00 02	2.12e+00 2	
941	STL ENV_STR (al l)		Cent	Top	-	5.43e+00 2	2.24e+00 2	3.46e+00 2	2.67e+00 0	7.64e+00 2	-	7.63e+00 2	3.82e+00 2
			Bot	02	5.03e+00 02	2.01e+00 2	3.76e+00 2	7.58e+00 2	5.33e+00 1	-	7.86e+00 02	4.05e+00 2	
942	STL ENV_STR (al l)		Cent	Top	-	1.80e+00 3	2.17e+00 3	6.40e+00 2	1.32e+00 3	2.65e+00 3	-	2.30e+00 3	1.33e+00 3
			Bot	03	1.99e+00 03	2.45e+00 3	1.30e+00 1	2.45e+00 3	1.99e+00 3	-	2.26e+00 03	1.22e+00 3	
943	STL ENV_STR (al l)		Cent	Top	-	1.10e+00 3	1.34e+00 3	2.39e+00 2	9.54e+00 2	1.49e+00 3	-	1.30e+00 3	7.43e+00 2
			Bot	03	1.06e+00 03	9.28e+00 2	3.59e+00 0	1.06e+00 3	9.28e+00 2	-	1.00e+00 03	5.30e+00 2	
944	STL ENV_STR (al l)		Cent	Top	4.40e+00 1	-	3.80e+00 2	9.47e+00 1	6.41e+00 1	4.00e+00 2	-	4.36e+00 2	2.32e+00 2
			Bot	-	6.90e+00 01	6.66e+00 2	7.07e+00 1	6.07e+00 1	6.74e+00 2	-	6.46e+00 02	3.37e+00 2	
945	STL ENV_STR (al l)		Cent	Top	8.40e+00 2	9.46e+00 2	-	1.89e+00 2	1.09e+00 3	6.97e+00 2	-	9.56e+00 2	5.45e+00 2
			Bot	-	8.12e+00 02	2.41e+00 3	1.31e+00 2	8.02e+00 2	2.42e+00 3	-	2.14e+00 03	1.21e+00 3	
946	STL ENV_STR (al l)		Cent	Top	1.12e+00 1	-	7.64e+00 2	3.57e+00 2	1.51e+00 2	9.03e+00 2	-	9.87e+00 2	5.27e+00 2



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.32e+001	-5.02e+002	-2.48e+002	1.13e+002	-6.02e+002	-	6.65e+002	3.57e+002	
947	STL ENV_STR (al1)		Cent	Top	3.14e+001	9.94e+002	-7.87e+001	1.00e+003	2.50e+001	-	9.88e+002	5.00e+002
			Bot	-	5.51e+001	-1.18e+003	-8.40e+001	-4.89e+001	-1.19e+003	-	1.16e+003	5.94e+002
948	STL ENV_STR (al1)		Cent	Top	1.78e+001	4.90e+001	-1.91e+002	2.25e+002	-1.58e+002	-	3.33e+002	1.91e+002
			Bot	-	9.04e+000	-7.67e+002	-6.75e+001	-1.49e+001	-7.73e+002	-	7.81e+002	3.94e+002
949	STL ENV_STR (al1)		Cent	Top	-1.25e+002	9.98e+002	6.87e+001	1.19e+002	1.00e+003	-	9.49e+002	5.02e+002
			Bot	-	6.27e+001	-2.25e+002	1.63e+001	6.36e+001	-2.25e+002	-	2.63e+002	1.45e+002
950	STL ENV_STR (al1)		Cent	Top	4.37e+002	-3.78e+002	9.68e+001	4.48e+002	-3.89e+002	-	7.25e+002	4.18e+002
			Bot	-	3.95e+002	-1.04e+003	6.50e+001	3.88e+002	1.05e+003	-	9.17e+002	5.23e+002
951	STL ENV_STR (al1)		Cent	Top	-1.98e+002	5.49e+002	1.43e+002	1.47e+002	6.00e+002	-	5.42e+002	3.00e+002
			Bot	-	2.48e+002	5.19e+002	3.26e+002	7.37e+002	3.04e+001	-	7.22e+002	3.68e+002
952	STL ENV_STR (al1)		Cent	Top	-3.46e+002	-1.63e+003	1.64e+002	3.25e+002	1.65e+003	-	1.51e+003	8.24e+002
			Bot	-	2.09e+002	1.58e+003	-3.43e+002	1.66e+003	1.28e+002	-	1.60e+003	8.32e+002
953	STL ENV_STR (al1)		Cent	Top	-2.20e+002	8.07e+002	7.59e+001	2.11e+002	8.17e+002	-	7.35e+002	4.08e+002
			Bot	-	2.45e+002	4.15e+002	-1.17e+002	4.74e+002	1.85e+002	-	4.14e+002	2.37e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
954	STL ENV_STR(al l)		Cent	Top	- 2.62e+00 1	- 4.03e+00 2	- 1.53e+00 1	- 2.56e+00 1	- 4.04e+00 2	-	3.92e+00 2	2.02e+00 2
			Bot	- 6.63e+0 01	- 5.42e+00 2	1.47e+00 1	- 6.58e+00 1	- 5.42e+00 2	-	5.12e+0 02	2.71e+00 2	
955	STL ENV_STR(al l)		Cent	Top	2.85e+00 2	6.52e+00 2	- 1.05e+00 2	6.80e+00 2	2.57e+00 2	-	5.95e+00 2	3.40e+00 2
			Bot	- 2.71e+0 02	- 1.95e+00 3	6.34e+00 1	- 2.68e+00 2	- 1.95e+00 3	-	1.83e+0 03	9.77e+00 2	
956	STL ENV_STR(al l)		Cent	Top	2.08e+00 2	8.63e+00 2	- 2.41e+00 2	9.42e+00 2	1.28e+00 2	-	8.85e+00 2	4.71e+00 2
			Bot	- 1.80e+0 02	- 1.08e+00 3	2.22e+00 2	- 1.28e+00 2	- 1.13e+00 3	-	1.07e+0 03	5.66e+00 2	
957	STL ENV_STR(al l)		Cent	Top	4.61e+00 1	6.66e+00 1	7.41e+00 1	1.31e+00 2	- 1.84e+00 1	-	1.41e+00 2	7.48e+00 1
			Bot	- 1.30e+0 01	- 6.79e+00 2	- 1.24e+00 2	9.16e+00 0	- 7.01e+00 2	-	7.05e+0 02	3.55e+00 2	
958	STL ENV_STR(al l)		Cent	Top	- 1.96e+00 2	- 9.63e+00 2	1.25e+00 1	- 1.96e+00 2	- 9.63e+00 2	-	8.82e+00 2	4.82e+00 2
			Bot	4.76e+0 01	- 1.84e+00 2	9.53e+00 1	8.17e+00 1	- 2.19e+00 2	-	2.69e+0 02	1.50e+00 2	
959	STL ENV_STR(al l)		Cent	Top	2.09e+00 2	- 4.50e+00 1	4.21e+00 1	2.16e+00 2	- 5.18e+00 1	-	2.46e+00 2	1.34e+00 2
			Bot	- 2.01e+0 02	- 1.28e+00 3	- 4.23e+00 1	- 1.99e+00 2	- 1.28e+00 3	-	1.19e+0 03	6.39e+00 2	
960	STL ENV_STR(al l)		Cent	Top	-7.70e- 001	- 7.73e+00 2	3.01e+00 2	1.03e+00 2	- 8.76e+00 2	-	9.32e+00 2	4.89e+00 2
			Bot	5.54e+0 00	- 4.66e+00 2	- 2.61e+00 2	1.22e+00 2	- 5.82e+00 2	-	6.51e+0 02	3.52e+00 2	
961	STL ENV_STR(al l)		Cent	Top	1.83e+00 2	- 3.70e+00 2	1.26e+00 2	2.10e+00 2	- 3.98e+00 2	-	5.34e+00 2	3.04e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.86e+002	4.63e+002	1.11e+001	1.85e+002	4.64e+002	-	4.04e+002	2.32e+002	
962	STL ENV_STR(al l)		Cent	Top	1.80e+001	4.60e+002	9.79e+001	3.72e+001	4.79e+002	-	4.99e+002	2.58e+002
			Bot	1.85e+001	3.87e+002	3.95e+001	1.43e+001	3.91e+002	-	3.84e+002	1.96e+002	
963	STL ENV_STR(al l)		Cent	Top	2.45e+002	1.52e+002	5.85e+001	2.54e+002	1.60e+002	-	3.62e+002	2.07e+002
			Bot	2.51e+002	3.18e+002	4.70e+001	2.27e+002	3.42e+002	-	3.01e+002	1.71e+002	
964	STL ENV_STR(al l)		Cent	Top	4.70e+001	2.23e+002	3.04e+001	5.04e+001	2.27e+002	-	2.55e+002	1.38e+002
			Bot	4.81e+001	2.61e+002	1.48e+001	4.70e+001	2.62e+002	-	2.42e+002	1.31e+002	
965	STL ENV_STR(al l)		Cent	Top	2.53e+002	2.95e+001	3.64e+001	2.57e+002	3.41e+001	-	2.76e+002	1.46e+002
			Bot	2.58e+002	1.81e+002	3.31e+001	1.69e+002	2.71e+002	-	2.37e+002	1.35e+002	
966	STL ENV_STR(al l)		Cent	Top	5.06e+001	9.82e+001	1.73e+001	5.26e+001	1.00e+002	-	1.34e+002	7.64e+001
			Bot	5.16e+001	1.27e+002	1.25e+001	4.95e+001	1.29e+002	-	1.13e+002	6.44e+001	
967	STL ENV_STR(al l)		Cent	Top	2.54e+002	3.95e+001	2.18e+001	2.57e+002	3.73e+001	-	2.40e+002	1.28e+002
			Bot	2.58e+002	9.69e+001	1.69e+001	9.52e+001	2.60e+002	-	2.27e+002	1.30e+002	
968	STL ENV_STR(al l)		Cent	Top	5.02e+001	2.83e+001	1.08e+001	5.17e+001	2.97e+001	-	7.14e+001	4.07e+001
			Bot	5.06e+001	3.79e+001	6.99e+000	3.49e+001	5.37e+001	-	4.72e+001	2.69e+001	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
969	STL ENV_STR(al l)		Cent	Top	2.01e+00 1	- 6.74e+00 2	2.98e+00 2	1.31e+00 2	- 7.84e+00 2	-	8.57e+00 2	4.58e+00 2
			Bot	7.92e+00 00	4.83e+00 2	1.67e+00 2	4.50e+00 1	5.36e+00 2	-	5.60e+00 02	2.91e+00 2	
970	STL ENV_STR(al l)		Cent	Top	8.06e+00 1	- 5.62e+00 2	2.25e+00 2	1.52e+00 2	- 6.33e+00 2	-	7.21e+00 2	3.92e+00 2
			Bot	7.66e+00 01	4.85e+00 2	8.57e+00 1	5.94e+00 1	5.03e+00 2	-	4.76e+00 02	2.51e+00 2	
971	STL ENV_STR(al l)		Cent	Top	1.39e+00 2	- 4.57e+00 2	1.67e+00 2	1.82e+00 2	- 5.01e+00 2	-	6.13e+00 2	3.42e+00 2
			Bot	1.40e+00 02	4.81e+00 2	2.65e+00 1	1.38e+00 2	4.83e+00 2	-	4.31e+00 02	2.42e+00 2	
972	STL ENV_STR(al l)		Cent	Top	- 3.21e+00 1	- 7.64e+00 2	2.72e+00 2	5.78e+00 1	- 8.54e+00 2	-	8.84e+00 2	4.56e+00 2
			Bot	3.47e+00 01	- 3.88e+00 2	- 2.19e+00 2	1.28e+00 2	- 4.81e+00 2	-	5.56e+00 02	3.04e+00 2	
973	STL ENV_STR(al l)		Cent	Top	- 2.09e+00 1	- 6.64e+00 2	2.04e+00 2	3.80e+00 1	- 7.23e+00 2	-	7.43e+00 2	3.81e+00 2
			Bot	2.18e+00 01	- 3.88e+00 2	- 1.45e+00 2	6.79e+00 1	- 4.34e+00 2	-	4.72e+00 02	2.51e+00 2	
974	STL ENV_STR(al l)		Cent	Top	-1.01e- 001	- 5.55e+00 2	1.42e+00 2	3.43e+00 1	- 5.90e+00 2	-	6.08e+00 2	3.12e+00 2
			Bot	1.93e- 002	- 3.94e+00 2	- 8.27e+00 1	1.67e+00 1	- 4.11e+00 2	-	4.19e+00 02	2.14e+00 2	
975	STL ENV_STR(al l)		Cent	Top	2.11e+00 2	- 3.00e+00 2	9.80e+00 1	2.30e+00 2	- 3.18e+00 2	-	4.76e+00 2	2.74e+00 2
			Bot	2.16e+00 02	- 4.34e+00 2	3.24e+00 1	- 2.11e+00 2	4.38e+00 2	-	3.80e+00 02	2.19e+00 2	
976	STL ENV_STR(al l)		Cent	Top	2.29e+00 2	- 2.42e+00 2	7.97e+00 1	2.42e+00 2	- 2.55e+00 2	-	4.31e+00 2	2.49e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.35e+002	3.97e+002	4.30e+001	2.24e+002	4.08e+002	-	3.54e+002	2.04e+002	
977	STL ENV_STR(al l)		Cent	Top	2.40e+002	1.93e+002	6.74e+001	2.50e+002	2.04e+002	-	3.93e+002	2.27e+002
			Bot	2.45e+002	3.58e+002	4.69e+001	2.28e+002	3.75e+002	-	3.27e+002	1.87e+002	
978	STL ENV_STR(al l)		Cent	Top	3.08e+001	3.82e+002	6.83e+001	4.18e+001	3.93e+002	-	4.15e+002	2.17e+002
			Bot	3.16e+001	3.66e+002	1.25e+001	3.12e+001	3.67e+002	-	3.52e+002	1.83e+002	
979	STL ENV_STR(al l)		Cent	Top	3.91e+001	3.19e+002	4.96e+001	4.59e+001	3.26e+002	-	3.51e+002	1.86e+002
			Bot	4.00e+001	3.35e+002	3.02e+000	4.00e+001	3.35e+002	-	3.17e+002	1.68e+002	
980	STL ENV_STR(al l)		Cent	Top	4.41e+001	2.67e+002	3.79e+001	4.87e+001	2.71e+002	-	2.99e+002	1.60e+002
			Bot	4.51e+001	2.99e+002	1.11e+001	4.46e+001	3.00e+002	-	2.80e+002	1.50e+002	
981	STL ENV_STR(al l)		Cent	Top	2.49e+002	1.15e+002	5.16e+001	2.56e+002	1.23e+002	-	3.34e+002	1.89e+002
			Bot	2.55e+002	2.79e+002	4.48e+001	2.20e+002	3.13e+002	-	2.79e+002	1.57e+002	
982	STL ENV_STR(al l)		Cent	Top	2.51e+002	8.32e+001	4.59e+001	2.57e+002	8.94e+001	-	3.11e+002	1.73e+002
			Bot	2.57e+002	2.43e+002	4.15e+001	2.08e+002	2.92e+002	-	2.60e+002	1.46e+002	
983	STL ENV_STR(al l)		Cent	Top	2.52e+002	5.47e+001	4.09e+001	2.57e+002	6.01e+001	-	2.92e+002	1.59e+002
			Bot	2.58e+002	2.10e+002	3.74e+001	1.90e+002	2.78e+002	-	2.46e+002	1.39e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
984	STL ENV_STR(al l)		Cent	Top	4.87e+00 1	- 1.86e+00 2	2.55e+00 1	5.14e+00 1	- 1.88e+00 2	-	2.19e+00 2	1.20e+00 2
			Bot	- 4.97e+00 01	- 2.24e+00 2	1.59e+00 1	- 4.83e+00 1	- 2.26e+00 2	-	2.06e+00 02	1.13e+00 2	
985	STL ENV_STR(al l)		Cent	Top	4.96e+00 1	- 1.53e+00 2	2.20e+00 1	5.20e+00 1	- 1.55e+00 2	-	1.87e+00 2	1.04e+00 2
			Bot	- 5.07e+00 01	- 1.89e+00 2	1.55e+00 1	- 4.89e+00 1	- 1.90e+00 2	-	1.71e+00 02	9.52e+00 1	
986	STL ENV_STR(al l)		Cent	Top	5.02e+00 1	- 1.24e+00 2	1.94e+00 1	5.23e+00 1	- 1.26e+00 2	-	1.59e+00 2	8.91e+00 1
			Bot	- 5.12e+00 01	- 1.56e+00 2	1.42e+00 1	- 4.93e+00 1	- 1.58e+00 2	-	1.40e+00 02	7.90e+00 1	
987	STL ENV_STR(al l)		Cent	Top	2.53e+00 2	- 7.39e+00 0	3.23e+00 1	2.57e+00 2	- 1.13e+00 1	-	2.63e+00 2	1.34e+00 2
			Bot	- 2.59e+00 02	- 1.55e+00 2	2.85e+00 1	- 1.48e+00 2	- 2.66e+00 2	-	2.31e+00 02	1.33e+00 2	
988	STL ENV_STR(al l)		Cent	Top	2.54e+00 2	1.18e+00 1	2.87e+00 1	2.58e+00 2	8.47e+00 0	-	2.54e+00 2	1.29e+00 2
			Bot	- 2.59e+00 02	- 1.33e+00 2	2.41e+00 1	- 1.28e+00 2	- 2.64e+00 2	-	2.28e+00 02	1.32e+00 2	
989	STL ENV_STR(al l)		Cent	Top	2.55e+00 2	2.74e+00 1	2.53e+00 1	2.58e+00 2	2.46e+00 1	-	2.46e+00 2	1.29e+00 2
			Bot	- 2.59e+00 02	- 1.13e+00 2	2.01e+00 1	- 1.11e+00 2	- 2.62e+00 2	-	2.28e+00 02	1.31e+00 2	
990	STL ENV_STR(al l)		Cent	Top	5.09e+00 1	- 7.57e+00 1	1.56e+00 1	5.28e+00 1	- 7.76e+00 1	-	1.14e+00 2	6.52e+00 1
			Bot	- 5.18e+00 01	- 1.01e+00 2	1.06e+00 1	- 4.96e+00 1	- 1.03e+00 2	-	8.93e+00 01	5.15e+00 1	
991	STL ENV_STR(al l)		Cent	Top	5.11e+00 1	- 5.62e+00 1	1.42e+00 1	5.30e+00 1	- 5.81e+00 1	-	9.62e+00 1	5.55e+00 1
			Bot	- 5.19e+00	- 7.81e+00	8.65e+00	- 4.93e+00	- 8.07e+00	-	7.05e+00	4.04e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	1	0	1	1		01	1	
992	STL ENV_STR(al l)		Cent	Top	5.11e+00 1	- 4.00e+00 1	1.30e+00 1	5.29e+00 1	- 4.18e+00 1	-	8.22e+00 1	4.74e+00 1
			Bot	- 01	5.17e+00 1	- 5.77e+00 1	7.06e+00 0	- 4.70e+00 1	- 6.24e+00 1	-	5.63e+00 01	3.12e+00 1
993	STL ENV_STR(al l)		Cent	Top	2.50e+00 2	4.46e+00 1	1.38e+00 1	2.51e+00 2	4.37e+00 1	-	2.32e+00 2	1.26e+00 2
			Bot	- 02	2.54e+00 1	- 7.97e+00 1	1.86e+00 1	- 7.78e+00 1	- 2.56e+00 2	-	2.28e+00 02	1.28e+00 2
994	STL ENV_STR(al l)		Cent	Top	2.46e+00 2	2.99e+00 1	3.62e+00 0	2.46e+00 2	2.99e+00 1	-	2.32e+00 2	1.23e+00 2
			Bot	- 02	2.54e+00 1	- 4.75e+00 1	2.13e+00 1	- 4.53e+00 1	- 2.57e+00 2	-	2.37e+00 02	1.28e+00 2
995	STL ENV_STR(al l)		Cent	Top	2.47e+00 2	6.03e+00 0	1.69e+00 1	2.48e+00 2	4.85e+00 0	-	2.46e+00 2	1.24e+00 2
			Bot	- 02	2.60e+00 1	- 1.07e+00 1	- 5.55e+00 0	- 1.06e+00 1	- 2.60e+00 2	-	2.55e+00 02	1.30e+00 2
996	STL ENV_STR(al l)		Cent	Top	4.91e+00 1	- 2.53e+00 1	6.22e+00 0	4.96e+00 1	- 2.58e+00 1	-	6.64e+00 1	3.77e+00 1
			Bot	- 01	4.97e+00 1	- 1.42e+00 1	9.38e+00 0	- 1.19e+00 1	- 5.20e+00 1	-	4.72e+00 01	2.60e+00 1
997	STL ENV_STR(al l)		Cent	Top	4.96e+00 1	- 3.03e+00 1	3.27e+00 0	4.97e+00 1	- 3.04e+00 1	-	7.00e+00 1	4.00e+00 1
			Bot	- 01	5.18e+00 1	1.21e+00 1	8.09e+00 0	1.31e+00 1	- 5.28e+00 1	-	6.05e+00 01	3.30e+00 1
998	STL ENV_STR(al l)		Cent	Top	4.92e+00 1	- 1.89e+00 1	1.15e+00 1	5.11e+00 1	- 2.08e+00 1	-	6.41e+00 1	3.60e+00 1
			Bot	- 01	5.10e+00 1	1.46e+00 1	- 7.93e+00 0	1.56e+00 1	- 5.20e+00 1	-	6.13e+00 01	3.38e+00 1
999	STL ENV_STR(al l)		Cent	Top	- 4.59e+00 2	- 2.91e+00 2	- 2.02e+00 1	- 2.89e+00 2	- 4.61e+00 2	-	4.04e+00 2	2.31e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
			Bot	5.71e+02	2.48e+02	8.99e+01	5.94e+02	2.25e+02	-	5.20e+02	2.97e+02		
1000	STL ENV_STR (all)		Cent	Top	-	-	6.47e+01	-	-	-	2.18e+03	1.16e+03	
			Bot	03	1.73e+03	2.51e+03	-	2.96e+02	2.61e+03	1.63e+03	-	2.28e+03	1.30e+03
1001	STL ENV_STR (all)		Cent	Top	-	-	3.52e+01	-	-	-	1.21e+03	6.61e+02	
			Bot	03	1.09e+02	9.37e+02	-	1.38e+02	1.17e+03	8.55e+02	-	1.05e+03	5.85e+02
1002	STL ENV_STR (all)		Cent	Top	3.51e+00	-	3.90e+02	5.77e+01	1.18e+01	-	3.98e+02	4.04e+02	2.05e+02
			Bot	01	6.52e+02	5.97e+02	-	2.45e+01	6.41e+01	5.98e+02	-	5.69e+02	2.99e+02
1003	STL ENV_STR (all)		Cent	Top	5.26e+02	7.82e+02	-	1.24e+02	8.33e+02	4.76e+02	-	7.23e+02	4.16e+02
			Bot	02	5.12e+03	2.16e+03	7.57e+01	-	5.09e+02	2.16e+03	-	1.96e+03	1.08e+03
1004	STL ENV_STR (all)		Cent	Top	6.95e+00	-	7.73e+02	3.23e+02	1.23e+02	-	8.89e+02	9.57e+02	5.06e+02
			Bot	00	6.39e+02	4.77e+02	-	2.51e+02	1.13e+02	5.84e+02	-	6.48e+02	3.48e+02
1005	STL ENV_STR (all)		Cent	Top	7.04e+01	1.06e+03	-	2.24e+02	1.11e+03	2.23e+01	-	1.10e+03	5.55e+02
			Bot	01	6.95e+03	1.26e+03	1.44e+02	-	5.24e+01	1.28e+03	-	1.25e+03	6.40e+02
1006	STL ENV_STR (all)		Cent	Top	2.21e+01	7.57e+01	-	5.87e+01	1.13e+02	1.57e+01	-	1.22e+02	6.45e+01
			Bot	01	1.13e+02	7.48e+02	-	9.23e+01	2.24e+01	7.59e+02	-	7.71e+02	3.91e+02



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1007	STL ENV_STR(al l)		Cent	Top	- 1.70e+00 2	- 9.69e+00 2	- 2.45e+00 1	- 1.70e+00 2	- 9.69e+00 2	-	8.97e+00 2	4.85e+00 2
			Bot	6.25e+00 01	- 1.89e+00 2	4.90e+00 1	7.17e+00 1	- 1.98e+00 2	-	2.42e+00 02	1.35e+00 2	
1008	STL ENV_STR(al l)		Cent	Top	3.53e+00 2	- 1.87e+00 2	3.84e+00 1	3.56e+00 2	- 1.90e+00 2	-	4.80e+00 2	2.73e+00 2
			Bot	- 3.31e+00 02	- 1.18e+00 3	- 2.73e+00 1	- 3.30e+00 2	- 1.18e+00 3	-	1.05e+00 03	5.89e+00 2	
1009	STL ENV_STR(al l)		Cent	Top	1.10e+00 2	- 5.68e+00 2	- 2.46e+00 1	1.11e+00 2	- 5.68e+00 2	-	6.31e+00 2	3.40e+00 2
			Bot	- 6.62e+00 01	5.53e+00 2	2.22e+00 2	6.24e+00 2	- 1.37e+00 2	-	7.03e+00 02	3.81e+00 2	
1010	STL ENV_STR(al l)		Cent	Top	1.57e+00 2	- 1.28e+00 3	4.45e+00 1	1.58e+00 2	- 1.28e+00 3	-	1.36e+00 3	7.18e+00 2
			Bot	- 1.75e+00 02	1.18e+00 3	- 1.52e+00 2	1.20e+00 3	- 1.91e+00 2	-	1.30e+00 03	6.95e+00 2	
1011	STL ENV_STR(al l)		Cent	Top	6.88e+00 1	- 4.54e+00 2	2.56e+00 1	7.01e+00 1	- 4.55e+00 2	-	4.94e+00 2	2.63e+00 2
			Bot	- 4.55e+00 01	8.72e+00 1	- 8.85e+00 0	8.78e+00 1	- 4.61e+00 1	-	1.18e+00 02	6.70e+00 1	
1012	STL ENV_STR(al l)		Cent	Top	- 3.74e+00 1	- 3.75e+00 2	5.78e+00 1	2.77e+00 1	- 3.85e+00 2	-	3.72e+00 2	1.93e+00 2
			Bot	- 6.78e+00 01	- 4.77e+00 2	7.23e+00 1	- 5.54e+00 1	- 4.90e+00 2	-	4.64e+00 02	2.45e+00 2	
1013	STL ENV_STR(al l)		Cent	Top	1.13e+00 2	5.82e+00 2	- 1.07e+00 2	6.06e+00 2	8.99e+00 1	-	5.66e+00 2	3.03e+00 2
			Bot	- 1.12e+00 02	- 1.81e+00 3	8.88e+00 1	- 1.08e+00 2	- 1.81e+00 3	-	1.76e+00 03	9.07e+00 2	
1014	STL ENV_STR(al l)		Cent	Top	3.10e+00 2	6.35e+00 2	- 2.02e+00 2	7.32e+00 2	2.13e+00 2	-	6.52e+00 2	3.66e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.78e+002	8.73e+002	2.25e+002	2.02e+002	9.49e+002	-	8.66e+002	4.74e+002	
1015	STL ENV_STR(al1)		Cent	Top	7.73e+001	8.66e+000	1.44e+002	1.91e+002	-1.05e+002	-	2.60e+002	1.48e+002
			Bot	5.13e+001	5.38e+002	1.11e+002	2.71e+001	5.62e+002	-	5.49e+002	2.81e+002	
1016	STL ENV_STR(al1)		Cent	Top	1.73e+002	1.06e+003	6.88e+001	1.67e+002	1.07e+003	-	9.95e+002	5.34e+002
			Bot	1.92e+001	2.80e+002	1.38e+002	4.01e+001	3.39e+002	-	3.61e+002	1.90e+002	
1017	STL ENV_STR(al1)		Cent	Top	5.95e+001	5.03e+001	7.28e+001	1.28e+002	-1.81e+001	-	1.38e+002	7.30e+001
			Bot	5.84e+001	1.34e+003	7.55e+001	5.40e+001	1.35e+003	-	1.32e+003	6.73e+002	
1018	STL ENV_STR(al1)		Cent	Top	5.63e+000	7.71e+002	2.45e+002	6.62e+001	8.43e+002	-	8.78e+002	4.54e+002
			Bot	5.48e+000	4.63e+002	2.33e+002	1.01e+002	5.59e+002	-	6.16e+002	3.30e+002	
1019	STL ENV_STR(al1)		Cent	Top	7.80e+001	4.22e+002	1.12e+002	1.02e+002	-4.46e+002	-	5.05e+002	2.74e+002
			Bot	7.96e+001	4.19e+002	1.49e+001	7.89e+001	4.20e+002	-	3.87e+002	2.10e+002	
1020	STL ENV_STR(al1)		Cent	Top	-1.78e-001	4.83e+002	6.86e+001	9.38e+000	4.93e+002	-	4.98e+002	2.51e+002
			Bot	1.44e-001	3.69e+002	4.91e+001	6.57e+000	3.75e+002	-	3.78e+002	1.91e+002	
1021	STL ENV_STR(al1)		Cent	Top	1.26e+002	1.94e+002	4.45e+001	1.32e+002	-2.00e+002	-	2.89e+002	1.66e+002
			Bot	1.29e+002	2.84e+002	3.08e+001	1.23e+002	2.90e+002	-	2.52e+002	1.45e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1022	STL ENV_STR(a11)		Cent	Top	9.07e+00	-2.39e+00	1.45e+00	9.92e+00	-2.40e+00	-	2.45e+00	1.25e+00
			Bot	9.12e+00	2.51e+00	5.83e-001	9.12e+00	2.51e+00	-	2.46e+00	1.25e+00	
1023	STL ENV_STR(a11)		Cent	Top	1.31e+00	-7.05e+00	2.68e+00	1.35e+00	-7.40e+00	-	1.83e+00	1.04e+00
			Bot	1.34e+00	1.48e+00	2.28e+00	1.17e+00	1.65e+00	-	1.47e+00	8.25e+00	
1024	STL ENV_STR(a11)		Cent	Top	1.02e+00	-1.13e+00	7.19e+00	1.06e+00	-1.13e+00	-	1.19e+00	6.19e+00
			Bot	1.02e+00	1.17e+00	2.75e+00	1.02e+00	1.17e+00	-	1.12e+00	5.84e+00	
1025	STL ENV_STR(a11)		Cent	Top	1.32e+00	-9.08e-001	1.63e+00	1.34e+00	-2.89e+00	-	1.35e+00	6.82e+00
			Bot	1.33e+00	6.18e+00	1.23e+00	5.97e+00	1.35e+00	-	1.17e+00	6.76e+00	
1026	STL ENV_STR(a11)		Cent	Top	1.00e+00	-4.24e+00	4.94e+00	1.05e+00	-4.28e+00	-	4.90e+00	2.67e+00
			Bot	1.00e+00	2.60e+00	1.27e+00	9.93e+00	2.61e+00	-	2.28e+00	1.30e+00	
1027	STL ENV_STR(a11)		Cent	Top	2.11e+00	-7.24e+00	2.85e+00	7.96e+00	-8.25e+00	-	8.68e+00	4.52e+00
			Bot	2.79e+00	4.29e+00	1.94e+00	9.91e+00	5.00e+00	-	5.57e+00	3.00e+00	
1028	STL ENV_STR(a11)		Cent	Top	8.62e+00	-6.19e+00	2.15e+00	7.52e+00	-6.85e+00	-	7.26e+00	3.80e+00
			Bot	6.31e+00	4.31e+00	1.17e+00	2.36e+00	4.61e+00	-	4.73e+00	2.42e+00	
1029	STL ENV_STR(a11)		Cent	Top	4.69e+00	-5.13e+00	1.55e+00	8.72e+00	-5.53e+00	-	6.01e+00	3.20e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	4.72e+001	4.32e+002	5.57e+001	3.93e+001	4.40e+002	-	4.21e+002	2.20e+002	
1030	STL ENV_STR(al1)		Cent	Top	1.71e+001	7.91e+002	2.17e+002	3.97e+001	8.48e+002	-	8.68e+002	4.44e+002
			Bot	1.72e+001	3.63e+002	2.00e+002	1.03e+002	4.49e+002	-	5.08e+002	2.76e+002	
1031	STL ENV_STR(al1)		Cent	Top	1.26e+001	6.95e+002	1.58e+002	2.24e+001	7.30e+002	-	7.41e+002	3.76e+002
			Bot	1.26e+001	3.62e+002	1.39e+002	5.84e+001	4.08e+002	-	4.40e+002	2.33e+002	
1032	STL ENV_STR(al1)		Cent	Top	5.98e+000	5.83e+002	1.06e+002	1.29e+001	6.02e+002	-	6.08e+002	3.07e+002
			Bot	5.97e+000	3.72e+002	8.62e+001	2.47e+001	3.90e+002	-	4.03e+002	2.08e+002	
1033	STL ENV_STR(al1)		Cent	Top	9.94e+001	3.47e+002	8.36e+001	1.15e+002	3.63e+002	-	4.31e+002	2.39e+002
			Bot	1.02e+002	3.94e+002	9.49e+000	1.01e+002	3.94e+002	-	3.55e+002	1.97e+002	
1034	STL ENV_STR(al1)		Cent	Top	1.13e+002	2.87e+002	6.49e+001	1.23e+002	2.97e+002	-	3.74e+002	2.10e+002
			Bot	1.16e+002	3.61e+002	2.27e+001	1.14e+002	3.63e+002	-	3.21e+002	1.81e+002	
1035	STL ENV_STR(al1)		Cent	Top	1.21e+002	2.37e+002	5.28e+001	1.29e+002	2.44e+002	-	3.28e+002	1.87e+002
			Bot	1.24e+002	3.23e+002	2.89e+001	1.20e+002	3.27e+002	-	2.86e+002	1.63e+002	
1036	STL ENV_STR(al1)		Cent	Top	3.93e+000	4.02e+002	4.41e+001	8.66e+000	4.07e+002	-	4.11e+002	2.08e+002
			Bot	3.97e+000	3.51e+002	2.55e+001	2.11e+000	3.53e+002	-	3.52e+002	1.76e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1037	STL ENV_STR(al l)		Cent	Top	6.56e+00	-3.37e+00	2.90e+00	8.99e+00	-3.39e+00	-	3.44e+00	1.74e+00
			Bot	6.60e+00	3.22e+00	1.14e+00	6.19e+00	3.23e+00	-	3.20e+00	1.61e+00	
1038	STL ENV_STR(al l)		Cent	Top	8.15e+00	-2.83e+00	1.99e+00	9.50e+00	-2.85e+00	-	2.90e+00	1.47e+00
			Bot	8.20e+00	2.88e+00	3.53e+00	8.15e+00	2.88e+00	-	2.84e+00	1.44e+00	
1039	STL ENV_STR(al l)		Cent	Top	1.28e+00	-1.57e+00	3.86e+00	1.33e+00	-1.62e+00	-	2.56e+00	1.48e+00
			Bot	1.31e+00	2.46e+00	3.03e+00	1.24e+00	2.54e+00	-	2.20e+00	1.27e+00	
1040	STL ENV_STR(al l)		Cent	Top	1.30e+00	-1.25e+00	3.40e+00	1.34e+00	-1.29e+00	-	2.28e+00	1.32e+00
			Bot	1.33e+00	2.10e+00	2.85e+00	1.24e+00	2.20e+00	-	1.91e+00	1.10e+00	
1041	STL ENV_STR(al l)		Cent	Top	1.31e+00	-9.59e+00	3.01e+00	1.35e+00	-9.98e+00	-	2.04e+00	1.17e+00
			Bot	1.34e+00	1.78e+00	2.58e+00	1.22e+00	1.89e+00	-	1.66e+00	9.47e+00	
1042	STL ENV_STR(al l)		Cent	Top	9.59e+00	-2.01e+00	1.13e+00	1.02e+00	-2.01e+00	-	2.07e+00	1.06e+00
			Bot	9.64e+00	2.14e+00	2.52e+00	9.61e+00	2.14e+00	-	2.09e+00	1.07e+00	
1043	STL ENV_STR(al l)		Cent	Top	9.89e+00	-1.67e+00	9.29e+00	1.04e+00	-1.68e+00	-	1.73e+00	8.92e+00
			Bot	9.93e+00	1.78e+00	3.21e+00	9.87e+00	1.79e+00	-	1.74e+00	8.93e+00	
1044	STL ENV_STR(al l)		Cent	Top	1.01e+00	-1.38e+00	8.01e+00	1.05e+00	-1.39e+00	-	1.44e+00	7.46e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.01e+001	1.46e+002	3.19e+000	1.00e+001	1.46e+002	-	1.41e+002	7.31e+001	
1045	STL ENV_STR (al1)		Cent	Top	1.32e+002	4.81e+001	2.40e+001	1.35e+002	5.13e+001	-	1.67e+002	9.32e+001
			Bot	1.35e+002	1.22e+002	1.96e+001	1.08e+002	1.49e+002	-	1.33e+002	7.45e+001	
1046	STL ENV_STR (al1)		Cent	Top	1.32e+002	2.88e+001	2.15e+001	1.35e+002	3.16e+001	-	1.54e+002	8.34e+001
			Bot	1.35e+002	9.97e+001	1.65e+001	9.32e+001	1.41e+002	-	1.24e+002	7.07e+001	
1047	STL ENV_STR (al1)		Cent	Top	1.33e+002	1.29e+001	1.93e+001	1.35e+002	1.54e+001	-	1.43e+002	7.53e+001
			Bot	1.35e+002	7.98e+001	1.37e+001	7.66e+001	1.38e+002	-	1.20e+002	6.89e+001	
1048	STL ENV_STR (al1)		Cent	Top	1.03e+001	9.01e+001	6.67e+000	1.07e+001	9.06e+001	-	9.64e+001	5.06e+001
			Bot	1.03e+001	9.09e+001	2.06e+000	1.03e+001	9.10e+001	-	8.63e+001	4.55e+001	
1049	STL ENV_STR (al1)		Cent	Top	1.03e+001	7.05e+001	6.37e+000	1.08e+001	7.10e+001	-	7.70e+001	4.09e+001
			Bot	1.04e+001	6.80e+001	1.30e+000	1.03e+001	6.80e+001	-	6.35e+001	3.40e+001	
1050	STL ENV_STR (al1)		Cent	Top	1.03e+001	5.41e+001	6.06e+000	1.09e+001	5.47e+001	-	6.08e+001	3.28e+001
			Bot	1.03e+001	4.72e+001	7.44e-001	1.03e+001	4.72e+001	-	4.30e+001	2.36e+001	
1051	STL ENV_STR (al1)		Cent	Top	1.29e+002	2.43e+000	9.75e+000	1.30e+002	1.68e+000	-	1.29e+002	6.49e+001
			Bot	1.31e+002	4.07e+001	1.47e+001	3.84e+001	1.33e+002	-	1.19e+002	6.67e+001	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1052	STL ENV_STR(al l)		Cent	Top	1.28e+00 2	- 7.37e+00 0	3.88e+00 0	1.28e+00 2	- 7.48e+00 0	-	1.32e+00 2	6.79e+00 1
			Bot	1.33e+00 02	1.13e+00 1	1.45e+00 1	- 9.59e+00 0	- 1.35e+00 2	-	1.30e+00 02	6.75e+00 1	
1053	STL ENV_STR(al l)		Cent	Top	1.29e+00 2	- 9.67e+00 0	1.59e+00 1	1.30e+00 2	- 1.15e+00 1	-	1.36e+00 2	7.09e+00 1
			Bot	1.34e+00 02	4.90e+00 0	- 8.50e+00 0	5.42e+00 0	- 1.35e+00 2	-	1.38e+00 02	7.02e+00 1	
1054	STL ENV_STR(al l)		Cent	Top	9.83e+00 0	- 3.87e+00 1	2.48e+00 0	9.96e+00 0	- 3.89e+00 1	-	4.47e+00 1	2.44e+00 1
			Bot	9.83e+00 00	-3.12e- 001	3.25e+00 0	6.93e- 001	- 1.08e+00 1	-	1.12e+00 01	5.76e+00 0	
1055	STL ENV_STR(al l)		Cent	Top	9.45e+00 0	- 3.99e+00 1	1.46e+00 0	9.49e+00 0	- 3.99e+00 1	-	4.54e+00 1	2.47e+00 1
			Bot	9.71e+00 00	2.47e+00 1	2.69e+00 0	2.49e+00 1	- 9.92e+00 0	-	3.11e+00 01	1.74e+00 1	
1056	STL ENV_STR(al l)		Cent	Top	1.02e+00 1	- 2.19e+00 1	5.77e+00 0	1.12e+00 1	- 2.29e+00 1	-	3.01e+00 1	1.71e+00 1
			Bot	1.02e+00 01	1.94e+00 1	- 5.38e+00 0	2.03e+00 1	- 1.12e+00 1	-	2.77e+00 01	1.58e+00 1	
1057	STL ENV_STR(al l)		Cent	Top	1.11e+00 2	- 5.67e+00 2	2.29e+00 1	1.12e+00 2	- 5.68e+00 2	-	6.31e+00 2	3.40e+00 2
			Bot	6.68e+00 01	5.52e+00 2	- 2.20e+00 2	6.23e+00 2	- 1.37e+00 2	-	7.01e+00 02	3.80e+00 2	
1058	STL ENV_STR(al l)		Cent	Top	1.56e+00 2	- 1.28e+00 3	- 4.54e+00 1	1.58e+00 2	- 1.28e+00 3	-	1.37e+00 3	7.20e+00 2
			Bot	1.75e+00 02	1.18e+00 3	1.53e+00 2	1.20e+00 3	- 1.91e+00 2	-	1.31e+00 03	6.96e+00 2	
1059	STL ENV_STR(al l)		Cent	Top	6.77e+00 1	- 4.52e+00 2	- 2.66e+00 1	6.91e+00 1	- 4.53e+00 2	-	4.91e+00 2	2.61e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	4.45e+001	8.52e+001	8.93e+000	8.59e+001	4.51e+001	-	1.15e+002	6.55e+001	
1060	STL ENV_STR (al1)		Cent	Top	-	-	-	-	-	-	3.19e+002	1.63e+002
			Bot	7.75e+001	5.34e+002	7.46e+001	6.56e+001	5.46e+002	-	5.17e+002	2.73e+002	
1061	STL ENV_STR (al1)		Cent	Top	1.25e+002	6.09e+002	1.29e+002	6.42e+002	9.30e+001	-	6.01e+002	3.21e+002
			Bot	1.24e+002	1.84e+003	1.10e+002	1.17e+002	1.84e+003	-	1.79e+003	9.21e+002	
1062	STL ENV_STR (al1)		Cent	Top	-	-	-	6.74e+001	8.42e+002	-	8.78e+002	4.55e+002
			Bot	5.30e+000	4.66e+002	2.34e+002	1.02e+002	5.63e+002	-	6.20e+002	3.32e+002	
1063	STL ENV_STR (al1)		Cent	Top	3.10e+002	6.37e+002	1.99e+002	7.31e+002	2.16e+002	-	6.50e+002	3.65e+002
			Bot	2.78e+002	8.74e+002	2.23e+002	2.04e+002	9.48e+002	-	8.65e+002	4.74e+002	
1064	STL ENV_STR (al1)		Cent	Top	7.31e+001	5.71e+000	1.45e+002	1.84e+002	1.16e+002	-	2.62e+002	1.50e+002
			Bot	4.81e+001	5.23e+002	1.11e+002	2.36e+001	5.47e+002	-	5.36e+002	2.74e+002	
1066	STL ENV_STR (al1)		Cent	Top	6.04e+001	6.11e+001	7.14e+001	1.32e+002	1.06e+001	-	1.38e+002	7.14e+001
			Bot	5.93e+001	1.35e+003	7.43e+001	5.51e+001	1.36e+003	-	1.33e+003	6.79e+002	
1067	STL ENV_STR (al1)		Cent	Top	-	-	1.89e+001	-	-	-	4.03e+002	2.30e+002
			Bot	5.71e+002	2.47e+002	8.90e+001	5.93e+002	2.24e+002	-	5.19e+002	2.97e+002	
106	STL ENV_STR (al1)		Cent	Top	-	-	-	-	-	-	2.18e+000	1.17e+000



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
8	1)		t		3	3	1	3	3		3	3
			Bot	1.73e+03	2.51e+03	2.97e+02	2.61e+03	1.63e+03	-	2.29e+03	1.31e+03	
1069	STL ENV_STR (all)		Cent	Top	-	-	-	-	-	-	1.20e+03	6.56e+02
			Bot	1.08e+03	9.26e+02	1.38e+02	1.16e+03	8.44e+02	-	1.04e+03	5.80e+02	
1070	STL ENV_STR (all)		Cent	Top	1.52e+01	-	3.56e+02	5.29e+01	2.26e+01	-	3.75e+02	1.93e+02
			Bot	-	-	3.26e+01	-	-	-	6.01e+02	3.18e+02	
1071	STL ENV_STR (all)		Cent	Top	5.51e+02	8.04e+02	1.37e+02	8.63e+02	4.91e+02	-	7.50e+02	4.32e+02
			Bot	-	-	-	-	-	-	1.98e+03	1.10e+03	
1072	STL ENV_STR (all)		Cent	Top	7.22e+01	1.06e+03	2.21e+02	1.11e+03	2.49e+01	-	1.10e+03	5.54e+02
			Bot	-	-	-	-	-	-	1.25e+03	6.39e+02	
1073	STL ENV_STR (all)		Cent	Top	1.80e+01	5.93e+01	5.88e+01	1.01e+02	-	2.37e+01	1.15e+02	6.24e+01
			Bot	1.46e+01	-	7.32e+02	9.08e+01	2.55e+01	-	7.56e+02	3.84e+02	
1075	STL ENV_STR (all)		Cent	Top	3.58e+02	-	1.80e+02	3.69e+01	3.60e+02	-	1.82e+02	4.78e+02
			Bot	-	-	-	-	-	-	1.06e+03	5.93e+02	
1076	STL ENV_STR (all)		Cent	Top	7.64e+00	-	7.72e+02	3.25e+02	1.25e+02	-	8.89e+02	9.58e+02
			Bot	5.75e+00	-	4.79e+02	2.53e+02	1.14e+02	-	6.51e+02	3.50e+02	
107	STL ENV_STR (all)		Cent	Top	-2.59e-	-	4.85e+00	7.06e+00	9.82e+00	-	4.95e+00	5.00e+00
											2.52e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
7	1)		t		001	2	1	0	2		2	2
			Bot	2.25e-001	3.68e+002	5.11e+001	7.17e+000	3.75e+002	-	3.79e+002	1.91e+002	
1078	STL ENV_STR(al1)		Cent	Top	7.75e+001	4.23e+002	1.15e+002	1.03e+002	4.48e+002	-	5.07e+002	2.75e+002
			Bot	-	7.91e+001	4.19e+002	1.71e+001	7.83e+001	4.20e+002	-	3.87e+002	2.10e+002
1079	STL ENV_STR(al1)		Cent	Top	9.02e+000	2.40e+002	1.58e+001	1.00e+001	2.41e+002	-	2.46e+002	1.25e+002
			Bot	-	9.07e+000	2.50e+002	6.67e-001	9.06e+000	2.50e+002	-	2.46e+002	1.25e+002
1080	STL ENV_STR(al1)		Cent	Top	1.25e+002	1.95e+002	4.60e+001	1.32e+002	2.01e+002	-	2.91e+002	1.67e+002
			Bot	-	1.28e+002	2.84e+002	2.94e+001	1.23e+002	2.89e+002	-	2.51e+002	1.45e+002
1081	STL ENV_STR(al1)		Cent	Top	1.01e+001	1.13e+002	7.99e+000	1.07e+001	1.14e+002	-	1.19e+002	6.22e+001
			Bot	-	1.02e+001	1.17e+002	1.95e+000	1.02e+001	1.17e+002	-	1.12e+002	5.83e+001
1082	STL ENV_STR(al1)		Cent	Top	1.31e+002	7.09e+001	2.78e+001	1.35e+002	7.47e+001	-	1.84e+002	1.05e+002
			Bot	-	1.34e+002	1.48e+002	2.19e+001	1.18e+002	1.64e+002	-	1.46e+002	8.20e+001
1083	STL ENV_STR(al1)		Cent	Top	1.00e+001	4.28e+001	5.37e+000	1.05e+001	4.33e+001	-	4.95e+001	2.69e+001
			Bot	-	9.99e+000	2.56e+001	-8.52e-001	9.95e+000	2.57e+001	-	2.24e+001	1.28e+001
1084	STL ENV_STR(al1)		Cent	Top	1.31e+002	1.27e+000	1.68e+001	1.33e+002	3.37e+000	-	1.35e+002	6.84e+001
			Bot	-	1.33e+002	6.15e+000	1.19e+000	5.96e+000	1.35e+002	1.17e+000	6.74e+000	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	1	1	1	2		02	1	
1085	STL ENV_STR(al l)		Cent	Top	- 1.70e+00 1	- 7.91e+00 2	- 2.19e+00 2	4.07e+00 1	- 8.49e+00 2	-	8.70e+00 2	4.45e+00 2
			Bot	1.72e+00 01	- 3.64e+00 2	2.02e+00 2	1.04e+00 2	- 4.51e+00 2	-	5.11e+00 02	2.78e+00 2	
1086	STL ENV_STR(al l)		Cent	Top	- 1.26e+00 1	- 6.96e+00 2	- 1.61e+00 2	2.32e+00 1	- 7.32e+00 2	-	7.44e+00 2	3.77e+00 2
			Bot	1.26e+00 01	- 3.62e+00 2	1.41e+00 2	5.98e+00 1	- 4.09e+00 2	-	4.42e+00 02	2.35e+00 2	
1087	STL ENV_STR(al l)		Cent	Top	- 6.06e+00 0	- 5.84e+00 2	- 1.08e+00 2	1.36e+00 1	- 6.04e+00 2	-	6.11e+00 2	3.09e+00 2
			Bot	6.04e+00 00	- 3.72e+00 2	8.83e+00 1	2.57e+00 1	- 3.91e+00 2	-	4.05e+00 02	2.08e+00 2	
1088	STL ENV_STR(al l)		Cent	Top	- 2.11e+00 1	- 7.25e+00 2	- 2.87e+00 2	8.12e+00 1	- 8.27e+00 2	-	8.70e+00 2	4.54e+00 2
			Bot	2.79e+00 01	- 4.30e+00 2	1.96e+00 2	1.01e+00 2	- 5.03e+00 2	-	5.60e+00 02	3.02e+00 2	
1089	STL ENV_STR(al l)		Cent	Top	8.27e+00 0	- 6.20e+00 2	- 2.18e+00 2	7.63e+00 1	- 6.88e+00 2	-	7.29e+00 2	3.82e+00 2
			Bot	- 5.97e+00 00	- 4.31e+00 2	1.19e+00 2	2.51e+00 1	- 4.62e+00 2	-	4.75e+00 02	2.43e+00 2	
1090	STL ENV_STR(al l)		Cent	Top	4.64e+00 1	- 5.14e+00 2	- 1.58e+00 2	8.79e+00 1	- 5.55e+00 2	-	6.04e+00 2	3.22e+00 2
			Bot	- 4.67e+00 01	- 4.32e+00 2	5.80e+00 1	3.82e+00 1	- 4.40e+00 2	-	4.22e+00 02	2.20e+00 2	
1091	STL ENV_STR(al l)		Cent	Top	3.85e+00 0	- 4.03e+00 2	- 4.59e+00 1	8.95e+00 0	- 4.08e+00 2	-	4.13e+00 2	2.09e+00 2
			Bot	- 3.89e+00 00	- 3.50e+00 2	2.72e+00 1	1.77e+00 0	- 3.53e+00 2	-	3.52e+00 02	1.76e+00 2	
109	STL ENV_STR(al		Cent	Top	6.49e+00	- 3.38e+00	- 3.06e+00	9.18e+00	- 3.41e+00	-	3.45e+00	1.75e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
2	1)		t		0	2	1	0	2		2	2
			Bot	6.53e+00	3.22e+00	1.30e+00	6.00e+00	3.22e+00	-	3.19e+00	1.61e+00	
1093	STL ENV_STR(al1)		Cent	Top	8.09e+00	-2.84e+00	-2.13e+00	9.64e+00	-2.86e+00	-	2.91e+00	1.48e+00
			Bot	8.14e+00	2.87e+00	4.93e+00	8.05e+00	2.87e+00	-	2.83e+00	1.44e+00	
1094	STL ENV_STR(al1)		Cent	Top	9.90e+00	-3.48e+00	-8.56e+00	1.15e+00	-3.64e+00	-	4.33e+00	2.40e+00
			Bot	1.01e+00	3.94e+00	7.53e+00	1.01e+00	3.94e+00	-	3.54e+00	1.97e+00	
1095	STL ENV_STR(al1)		Cent	Top	1.13e+00	-2.88e+00	-6.67e+00	1.23e+00	-2.99e+00	-	3.76e+00	2.11e+00
			Bot	1.15e+00	3.60e+00	2.10e+00	1.13e+00	3.62e+00	-	3.21e+00	1.81e+00	
1096	STL ENV_STR(al1)		Cent	Top	1.21e+00	-2.38e+00	-5.44e+00	1.29e+00	-2.46e+00	-	3.29e+00	1.87e+00
			Bot	1.24e+00	3.23e+00	2.73e+00	1.20e+00	3.26e+00	-	2.86e+00	1.63e+00	
1097	STL ENV_STR(al1)		Cent	Top	9.54e+00	-2.01e+00	-1.24e+00	1.03e+00	-2.02e+00	-	2.07e+00	1.06e+00
			Bot	9.59e+00	2.13e+00	1.40e+00	9.58e+00	2.13e+00	-	2.09e+00	1.07e+00	
1098	STL ENV_STR(al1)		Cent	Top	9.84e+00	-1.68e+00	-1.03e+00	1.04e+00	-1.69e+00	-	1.74e+00	8.96e+00
			Bot	9.89e+00	1.78e+00	2.21e+00	9.86e+00	1.78e+00	-	1.74e+00	8.91e+00	
1099	STL ENV_STR(al1)		Cent	Top	1.00e+00	-1.39e+00	-8.91e+00	1.06e+00	-1.40e+00	-	1.45e+00	7.50e+00
			Bot	1.01e+00	1.46e+00	2.30e+00	1.00e+00	1.46e+00	-	1.41e+00	7.29e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	2	0	1	2		02	1	
1100	STL ENV_STR(al l)		Cent	Top	1.28e+00 2	- 1.58e+00 2	- 3.99e+00 1	1.34e+00 2	- 1.63e+00 2	-	2.57e+00 2	1.48e+00 2
			Bot	-	1.31e+00 02	- 2.46e+00 2	- 2.91e+00 1	- 1.24e+00 2	- 2.53e+00 2	-	2.19e+00 02	1.26e+00 2
1101	STL ENV_STR(al l)		Cent	Top	1.30e+00 2	- 1.25e+00 2	- 3.52e+00 1	1.34e+00 2	- 1.30e+00 2	-	2.29e+00 2	1.32e+00 2
			Bot	-	1.33e+00 02	- 2.10e+00 2	- 2.73e+00 1	- 1.24e+00 2	- 2.19e+00 2	-	1.90e+00 02	1.09e+00 2
1102	STL ENV_STR(al l)		Cent	Top	1.31e+00 2	- 9.64e+00 1	- 3.12e+00 1	1.35e+00 2	- 1.01e+00 2	-	2.04e+00 2	1.18e+00 2
			Bot	-	1.33e+00 02	- 1.77e+00 2	- 2.48e+00 1	- 1.22e+00 2	- 1.89e+00 2	-	1.66e+00 02	9.43e+00 1
1103	STL ENV_STR(al l)		Cent	Top	1.02e+00 1	- 9.06e+00 1	- 7.39e+00 0	1.08e+00 1	- 9.12e+00 1	-	9.70e+00 1	5.10e+00 1
			Bot	-	1.03e+00 01	- 9.06e+00 1	- 1.36e+00 0	- 1.03e+00 1	- 9.07e+00 1	-	8.60e+00 01	4.53e+00 1
1104	STL ENV_STR(al l)		Cent	Top	1.03e+00 1	- 7.10e+00 1	- 6.99e+00 0	1.09e+00 1	- 7.16e+00 1	-	7.76e+00 1	4.12e+00 1
			Bot	-	1.03e+00 01	- 6.77e+00 1	- -6.92e- 001	- 1.03e+00 1	- 6.77e+00 1	-	6.32e+00 01	3.39e+00 1
1105	STL ENV_STR(al l)		Cent	Top	1.03e+00 1	- 5.45e+00 1	- 6.58e+00 0	1.09e+00 1	- 5.52e+00 1	-	6.14e+00 1	3.31e+00 1
			Bot	-	1.03e+00 01	- 4.69e+00 1	- -2.33e- 001	- 1.03e+00 1	- 4.69e+00 1	-	4.27e+00 01	2.34e+00 1
1106	STL ENV_STR(al l)		Cent	Top	1.32e+00 2	- 4.85e+00 1	- 2.48e+00 1	1.35e+00 2	- 5.19e+00 1	-	1.67e+00 2	9.35e+00 1
			Bot	-	1.34e+00 02	- 1.22e+00 2	- 1.88e+00 1	- 1.08e+00 2	- 1.48e+00 2	-	1.33e+00 02	7.40e+00 1
110	STL ENV_STR(al		Cent	Top	1.32e+00	- 2.92e+00	- 2.22e+00	1.35e+00	- 3.22e+00	-	1.54e+00	8.37e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
7	1)		t		2	1	1	2	1		2	1	
			Bot		1.35e+002	9.94e+001	1.58e+001	9.34e+001	1.41e+002	-	1.24e+002	7.03e+001	
1108	STL ENV_STR(al1)		Cent	Top	1.32e+002	-	1.33e+001	1.99e+001	1.35e+002	-	1.59e+001	1.44e+002	7.55e+001
			Bot		1.34e+002	7.95e+001	1.31e+001	7.65e+001	1.37e+002	-	1.19e+002	6.87e+001	
1109	STL ENV_STR(al1)		Cent	Top	9.79e+000	-	3.91e+001	2.80e+000	9.95e+000	-	3.93e+001	4.51e+001	2.46e+001
			Bot		9.79e+000	3.55e-002	2.93e+000	8.45e-001	1.06e+001	-	1.10e+001	5.72e+000	
1110	STL ENV_STR(al1)		Cent	Top	9.40e+000	-	4.02e+001	1.68e+000	9.46e+000	-	4.02e+001	4.57e+001	2.49e+001
			Bot		9.66e+000	2.50e+001	2.47e+000	2.52e+001	9.84e+000	-	3.13e+001	1.75e+001	
1111	STL ENV_STR(al1)		Cent	Top	1.01e+001	-	2.20e+001	5.88e+000	1.12e+001	-	2.30e+001	3.02e+001	1.71e+001
			Bot		1.02e+001	1.95e+001	5.49e+000	2.05e+001	1.12e+001	-	2.78e+001	1.58e+001	
1112	STL ENV_STR(al1)		Cent	Top	1.29e+002	2.09e+000	-	1.01e+001	1.30e+002	1.29e+000	-	1.29e+002	6.48e+001
			Bot		1.31e+002	4.04e+001	1.43e+001	3.82e+001	1.33e+002	-	1.19e+002	6.65e+001	
1113	STL ENV_STR(al1)		Cent	Top	1.28e+002	-	7.63e+000	4.17e+000	1.28e+002	-	7.76e+000	1.32e+002	6.79e+001
			Bot		1.33e+002	1.10e+001	1.42e+001	9.41e+000	1.35e+002	-	1.30e+002	6.73e+001	
1114	STL ENV_STR(al1)		Cent	Top	1.28e+002	-	9.76e+000	1.61e+001	1.30e+002	-	1.16e+001	1.36e+002	7.09e+001
			Bot		1.34e+002	5.00e+000	8.68e+000	5.54e+000	1.35e+002	-	1.38e+000	7.01e+000	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	0	0	0	2		02	1	
1115	STL ENV_STR (all)		Cent	Top	-1.98e+002	-5.49e+002	1.41e+002	-1.48e+002	-5.98e+002	-	5.40e+002	2.99e+002
			Bot	02	2.48e+002	5.18e+002	-3.25e+002	7.35e+002	3.07e+001	-	7.20e+002	3.68e+002
1116	STL ENV_STR (all)		Cent	Top	-3.46e+002	-1.63e+003	-1.65e+002	-3.25e+002	-1.65e+003	-	1.52e+003	8.26e+002
			Bot	02	2.10e+002	1.58e+003	3.44e+002	1.67e+003	1.29e+002	-	1.61e+003	8.33e+002
1117	STL ENV_STR (all)		Cent	Top	-2.19e+002	-8.02e+002	-7.62e+001	-2.09e+002	-8.11e+002	-	7.30e+002	4.06e+002
			Bot	02	2.43e+002	4.09e+002	1.16e+002	4.69e+002	1.83e+002	-	4.09e+002	2.34e+002
1118	STL ENV_STR (all)		Cent	Top	-1.20e+001	-3.52e+002	9.60e+000	-1.17e+001	-3.53e+002	-	3.47e+002	1.76e+002
			Bot	-	8.05e+001	5.94e+002	6.87e+000	8.04e+001	5.94e+002	-	5.58e+002	2.97e+002
1119	STL ENV_STR (all)		Cent	Top	3.05e+002	6.76e+002	1.25e+002	7.14e+002	2.67e+002	-	6.25e+002	3.57e+002
			Bot	-	2.92e+002	1.98e+003	8.39e+001	2.88e+002	1.98e+003	-	1.86e+003	9.91e+002
1120	STL ENV_STR (all)		Cent	Top	-2.07e-001	-7.71e+002	-3.03e+002	1.05e+002	-8.76e+002	-	9.33e+002	4.90e+002
			Bot	00	5.00e+000	4.69e+002	2.63e+002	1.22e+002	5.86e+002	-	6.56e+002	3.54e+002
1121	STL ENV_STR (all)		Cent	Top	2.08e+002	8.64e+002	2.38e+002	9.41e+002	1.31e+002	-	8.82e+002	4.70e+002
			Bot	-	1.81e+002	1.08e+003	2.19e+002	1.30e+002	1.13e+003	-	1.07e+003	5.65e+002
1122	STL ENV_STR (all)		Cent	Top	4.17e+001	5.01e+001	-7.42e+001	1.20e+002	-2.84e+001	-	1.37e+002	7.43e+001
			Bot	-	9.60e+000	6.62e+000	1.22e+000	1.26e+000	6.84e+000	-	6.90e+000	3.48e+000

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				00	2	2	1	2		02	2	
1124	STL ENV_STR(al l)		Cent	Top	2.13e+00 2	- 3.52e+00 1	- 4.01e+00 1	2.19e+00 2	- 4.15e+00 1	-	2.43e+00 2	1.30e+00 2
			Bot	- 2.04e+00 02	- 1.29e+00 3	4.05e+00 1	- 2.03e+00 2	- 1.29e+00 3	-	1.20e+00 03	6.44e+00 2	
1125	STL ENV_STR(al l)		Cent	Top	- 5.43e+00 2	- 2.22e+00 2	- 3.47e+00 2	-4.95e- 001	- 7.65e+00 2	-	7.65e+00 2	3.83e+00 2
			Bot	5.03e+00 02	2.00e+00 2	3.77e+00 2	7.58e+00 2	- 5.49e+00 1	-	7.87e+00 02	4.07e+00 2	
1126	STL ENV_STR(al l)		Cent	Top	- 1.80e+00 3	- 2.18e+00 3	6.39e+00 2	- 1.33e+00 3	- 2.66e+00 3	-	2.30e+00 3	1.33e+00 3
			Bot	1.99e+00 03	2.45e+00 3	1.37e+00 1	2.45e+00 3	1.99e+00 3	-	2.26e+00 03	1.23e+00 3	
1127	STL ENV_STR(al l)		Cent	Top	- 1.09e+00 3	- 1.32e+00 3	2.36e+00 2	- 9.47e+00 2	- 1.47e+00 3	-	1.29e+00 3	7.36e+00 2
			Bot	1.05e+00 03	9.17e+00 2	- 1.55e+00 0	1.05e+00 3	9.17e+00 2	-	9.89e+00 02	5.24e+00 2	
1128	STL ENV_STR(al l)		Cent	Top	5.45e+00 1	- 3.54e+00 2	9.24e+00 1	7.44e+00 1	- 3.74e+00 2	-	4.16e+00 2	2.24e+00 2
			Bot	- 8.21e+00 01	- 6.94e+00 2	7.67e+00 1	- 7.26e+00 1	- 7.03e+00 2	-	6.70e+00 02	3.52e+00 2	
1129	STL ENV_STR(al l)		Cent	Top	8.59e+00 2	9.64e+00 2	1.96e+00 2	1.12e+00 3	7.08e+00 2	-	9.78e+00 2	5.58e+00 2
			Bot	- 8.34e+00 02	- 2.43e+00 3	- 1.39e+00 2	- 8.22e+00 2	- 2.44e+00 3	-	2.15e+00 03	1.22e+00 3	
1130	STL ENV_STR(al l)		Cent	Top	3.32e+00 1	9.92e+00 2	7.86e+00 1	9.98e+00 2	2.68e+00 1	-	9.85e+00 2	4.99e+00 2
			Bot	- 5.71e+00 01	- 1.18e+00 3	8.38e+00 1	- 5.09e+00 1	- 1.19e+00 3	-	1.16e+00 03	5.93e+00 2	
1131	STL ENV_STR(al l)		Cent	Top	1.45e+00 1	3.50e+00 1	1.91e+00 2	2.16e+00 2	- 1.66e+00 2	-	3.31e+00 2	1.91e+00 2



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.17e+001	-7.54e+002	6.66e+001	1.75e+001	-7.60e+002	-	7.69e+002	3.89e+002	
1132	STL ENV_STR(al1)		Cent	Top	-1.23e+002	-1.01e+003	6.43e+001	-1.18e+002	-1.01e+003	-	9.60e+002	5.07e+002
			Bot	4.86e+001	-2.13e+002	-8.05e+000	4.89e+001	-2.13e+002	-	2.41e+002	1.31e+002	
1133	STL ENV_STR(al1)		Cent	Top	4.41e+002	-3.72e+002	-9.60e+001	4.52e+002	-3.83e+002	-	7.24e+002	4.18e+002
			Bot	-3.99e+002	-1.05e+003	6.41e+001	-3.92e+002	-1.05e+003	-	9.23e+002	5.27e+002	
1134	STL ENV_STR(al1)		Cent	Top	1.18e+001	-7.63e+002	3.59e+002	1.53e+002	-9.04e+002	-	9.89e+002	5.28e+002
			Bot	1.28e+001	-5.04e+002	2.50e+002	1.14e+002	-6.05e+002	-	6.69e+002	3.59e+002	
1135	STL ENV_STR(al1)		Cent	Top	1.77e+001	-4.61e+002	-1.00e+002	3.78e+001	-4.81e+002	-	5.01e+002	2.60e+002
			Bot	-1.82e+001	-3.87e+002	4.17e+001	-1.36e+001	3.91e+002	-	3.85e+002	1.96e+002	
1136	STL ENV_STR(al1)		Cent	Top	1.82e+002	-3.71e+002	-1.28e+002	2.10e+002	-4.00e+002	-	5.36e+002	3.05e+002
			Bot	-1.85e+002	4.63e+002	8.95e+000	1.85e+002	4.63e+002	-	4.04e+002	2.32e+002	
1137	STL ENV_STR(al1)		Cent	Top	4.69e+001	-2.24e+002	-3.19e+001	5.06e+001	-2.28e+002	-	2.57e+002	1.39e+002
			Bot	-4.79e+001	-2.61e+002	1.33e+001	4.71e+001	-2.62e+002	-	2.42e+002	1.31e+002	
1138	STL ENV_STR(al1)		Cent	Top	2.45e+002	-1.52e+002	-6.00e+001	2.54e+002	-1.61e+002	-	3.62e+002	2.08e+002
			Bot	-2.51e+002	3.17e+002	4.56e+001	-2.28e+002	3.41e+002	-	3.01e+002	1.70e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1139	STL ENV_STR(al l)		Cent	Top	5.05e+00 1	- 9.87e+00 1	- 1.82e+00 1	5.27e+00 1	- 1.01e+00 2	-	1.35e+00 2	7.68e+00 1
			Bot	5.14e+00 01	1.27e+00 2	1.16e+00 1	4.97e+00 1	1.28e+00 2	-	1.12e+00 02	6.42e+00 1	
1140	STL ENV_STR(al l)		Cent	Top	2.52e+00 2	- 2.99e+00 1	- 3.73e+00 1	2.57e+00 2	- 3.48e+00 1	-	2.76e+00 2	1.46e+00 2
			Bot	2.58e+00 02	1.80e+00 2	3.22e+00 1	1.69e+00 2	2.70e+00 2	-	2.36e+00 02	1.35e+00 2	
1141	STL ENV_STR(al l)		Cent	Top	5.01e+00 1	- 2.87e+00 1	- 1.13e+00 1	5.17e+00 1	- 3.03e+00 1	-	7.18e+00 1	4.10e+00 1
			Bot	5.05e+00 01	3.76e+00 1	6.51e+00 0	3.49e+00 1	5.32e+00 1	-	4.68e+00 01	2.66e+00 1	
1142	STL ENV_STR(al l)		Cent	Top	2.54e+00 2	3.91e+00 1	- 2.23e+00 1	2.56e+00 2	3.68e+00 1	-	2.40e+00 2	1.28e+00 2
			Bot	2.58e+00 02	9.67e+00 1	1.64e+00 1	9.50e+00 1	2.59e+00 2	-	2.27e+00 02	1.30e+00 2	
1143	STL ENV_STR(al l)		Cent	Top	- 3.21e+00 1	- 7.64e+00 2	- 2.74e+00 2	5.93e+00 1	- 8.56e+00 2	-	8.87e+00 2	4.57e+00 2
			Bot	3.46e+00 01	- 3.89e+00 2	2.21e+00 2	1.29e+00 2	- 4.84e+00 2	-	5.60e+00 02	3.06e+00 2	
1144	STL ENV_STR(al l)		Cent	Top	- 2.11e+00 1	- 6.65e+00 2	- 2.06e+00 2	3.92e+00 1	- 7.26e+00 2	-	7.46e+00 2	3.83e+00 2
			Bot	2.20e+00 01	- 3.89e+00 2	1.48e+00 2	6.95e+00 1	- 4.36e+00 2	-	4.75e+00 02	2.53e+00 2	
1145	STL ENV_STR(al l)		Cent	Top	-3.43e- 001	- 5.57e+00 2	- 1.45e+00 2	3.52e+00 1	- 5.92e+00 2	-	6.10e+00 2	3.14e+00 2
			Bot	2.58e- 001	- 3.94e+00 2	8.52e+00 1	1.79e+00 1	- 4.12e+00 2	-	4.21e+00 02	2.15e+00 2	
1146	STL ENV_STR(al l)		Cent	Top	1.99e+00 1	- 6.74e+00 2	- 3.01e+00 2	1.32e+00 2	- 7.86e+00 2	-	8.60e+00 2	4.59e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	7.63e+00	4.84e+00	1.70e+00	4.66e+00	5.38e+00	-	5.63e+00	2.92e+00	
1147	STL ENV_STR(al1)		Cent	Top	8.00e+00	5.62e+00	2.28e+00	1.53e+00	6.35e+00	-	7.24e+00	3.94e+00
			Bot	7.60e+00	4.85e+00	8.81e+00	5.79e+00	5.04e+00	-	4.77e+00	2.52e+00	
1148	STL ENV_STR(al1)		Cent	Top	1.38e+00	4.58e+00	1.69e+00	1.83e+00	5.03e+00	-	6.15e+00	3.43e+00
			Bot	1.39e+00	4.81e+00	2.88e+00	1.37e+00	4.83e+00	-	4.32e+00	2.42e+00	
1149	STL ENV_STR(al1)		Cent	Top	3.06e+00	3.83e+00	7.04e+00	4.22e+00	3.95e+00	-	4.18e+00	2.19e+00
			Bot	3.14e+00	3.66e+00	1.45e+00	3.07e+00	3.66e+00	-	3.52e+00	1.83e+00	
1150	STL ENV_STR(al1)		Cent	Top	3.89e+00	3.20e+00	5.15e+00	4.61e+00	3.27e+00	-	3.52e+00	1.87e+00
			Bot	3.98e+00	3.35e+00	1.21e+00	3.98e+00	3.35e+00	-	3.17e+00	1.67e+00	
1151	STL ENV_STR(al1)		Cent	Top	4.39e+00	2.68e+00	3.95e+00	4.89e+00	2.73e+00	-	3.00e+00	1.61e+00
			Bot	4.49e+00	2.99e+00	9.52e+00	4.46e+00	2.99e+00	-	2.80e+00	1.50e+00	
1152	STL ENV_STR(al1)		Cent	Top	2.11e+00	3.01e+00	1.00e+00	2.30e+00	3.20e+00	-	4.78e+00	2.75e+00
			Bot	2.15e+00	4.33e+00	3.05e+00	2.11e+00	4.38e+00	-	3.79e+00	2.19e+00	
1153	STL ENV_STR(al1)		Cent	Top	2.29e+00	2.43e+00	8.16e+00	2.42e+00	2.56e+00	-	4.32e+00	2.49e+00
			Bot	2.34e+00	3.97e+00	4.13e+00	2.24e+00	4.07e+00	-	3.53e+00	2.03e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1154	STL ENV_STR(al l)		Cent	Top	2.39e+00 2	- 1.94e+00 2	- 6.90e+00 1	2.50e+00 2	- 2.05e+00 2	-	3.94e+00 2	2.27e+00 2
			Bot	2.45e+00 02	3.57e+00 2	4.54e+00 1	2.29e+00 2	3.73e+00 2	-	3.26e+00 02	1.87e+00 2	
1155	STL ENV_STR(al l)		Cent	Top	4.85e+00 1	- 1.86e+00 2	- 2.68e+00 1	5.16e+00 1	- 1.89e+00 2	-	2.20e+00 2	1.20e+00 2
			Bot	4.96e+00 01	2.24e+00 2	1.46e+00 1	4.84e+00 1	2.25e+00 2	-	2.05e+00 02	1.13e+00 2	
1156	STL ENV_STR(al l)		Cent	Top	4.95e+00 1	- 1.53e+00 2	- 2.32e+00 1	5.21e+00 1	- 1.56e+00 2	-	1.88e+00 2	1.04e+00 2
			Bot	5.05e+00 01	1.88e+00 2	1.43e+00 1	4.91e+00 1	1.90e+00 2	-	1.71e+00 02	9.50e+00 1	
1157	STL ENV_STR(al l)		Cent	Top	5.01e+00 1	- 1.24e+00 2	- 2.04e+00 1	5.24e+00 1	- 1.27e+00 2	-	1.59e+00 2	8.95e+00 1
			Bot	5.11e+00 01	1.56e+00 2	1.32e+00 1	4.94e+00 1	1.58e+00 2	-	1.40e+00 02	7.88e+00 1	
1158	STL ENV_STR(al l)		Cent	Top	2.48e+00 2	- 1.16e+00 2	- 5.30e+00 1	2.56e+00 2	- 1.23e+00 2	-	3.35e+00 2	1.90e+00 2
			Bot	2.54e+00 02	2.79e+00 2	4.36e+00 1	2.21e+00 2	3.12e+00 2	-	2.78e+00 02	1.56e+00 2	
1159	STL ENV_STR(al l)		Cent	Top	2.50e+00 2	- 8.37e+00 1	- 4.71e+00 1	2.57e+00 2	- 9.02e+00 1	-	3.12e+00 2	1.74e+00 2
			Bot	2.56e+00 02	2.43e+00 2	4.04e+00 1	2.09e+00 2	2.90e+00 2	-	2.59e+00 02	1.45e+00 2	
1160	STL ENV_STR(al l)		Cent	Top	2.51e+00 2	- 5.52e+00 1	- 4.20e+00 1	2.57e+00 2	- 6.08e+00 1	-	2.92e+00 2	1.59e+00 2
			Bot	2.57e+00 02	2.10e+00 2	3.64e+00 1	1.90e+00 2	2.77e+00 2	-	2.45e+00 02	1.39e+00 2	
1161	STL ENV_STR(al l)		Cent	Top	5.08e+00 1	- 7.62e+00 1	- 1.65e+00 1	5.29e+00 1	- 7.83e+00 1	-	1.14e+00 2	6.56e+00 1

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )			
			Bot	5.17e+001	1.01e+002	9.78e+000	4.98e+001	1.03e+002	-	8.88e+001	5.13e+001				
1162	STL ENV_STR(al1)		Cent	Top	5.10e+001	-	5.67e+001	-	1.50e+001	5.30e+001	-	5.87e+001	-	9.68e+001	5.59e+001
			Bot	5.18e+001	-	7.78e+001	-	7.96e+000	4.96e+001	8.01e+001	-	7.00e+001	4.00e+001		
1163	STL ENV_STR(al1)		Cent	Top	5.10e+001	-	4.04e+001	-	1.36e+001	5.29e+001	-	4.24e+001	-	8.27e+001	4.77e+001
			Bot	5.16e+001	-	5.74e+001	-	6.47e+000	4.74e+001	6.16e+001	-	5.59e+001	3.08e+001		
1164	STL ENV_STR(al1)		Cent	Top	2.53e+002	-	7.76e+000	-	3.32e+001	2.57e+002	-	1.19e+001	-	2.64e+002	1.35e+002
			Bot	2.59e+002	-	1.55e+002	-	2.77e+001	1.48e+002	2.66e+002	-	2.30e+002	1.33e+002		
1165	STL ENV_STR(al1)		Cent	Top	2.54e+002	1.15e+001	-	2.94e+001	2.58e+002	7.94e+000	-	2.54e+002	1.29e+002		
			Bot	2.59e+002	-	1.32e+002	-	2.34e+001	1.28e+002	2.63e+002	-	2.28e+002	1.32e+002		
1166	STL ENV_STR(al1)		Cent	Top	2.55e+002	2.70e+001	-	2.59e+001	2.58e+002	2.41e+001	-	2.46e+002	1.29e+002		
			Bot	2.59e+002	-	1.13e+002	-	1.95e+001	1.10e+002	2.61e+002	-	2.27e+002	1.31e+002		
1167	STL ENV_STR(al1)		Cent	Top	4.90e+001	-	2.57e+001	-	6.61e+000	4.95e+001	-	2.62e+001	-	6.67e+001	3.79e+001
			Bot	4.96e+001	-	1.39e+001	-	9.01e+000	1.18e+001	5.17e+001	-	4.70e+001	2.59e+001		
1168	STL ENV_STR(al1)		Cent	Top	4.94e+001	-	3.05e+001	-	3.54e+000	4.96e+001	-	3.07e+001	-	7.02e+001	4.01e+001
			Bot	5.17e+001	-	1.24e+001	-	7.83e+000	1.33e+001	5.26e+001	-	6.04e+001	3.30e+001		

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1169	STL ENV_STR(al l)		Cent	Top	4.90e+00 1	- 1.90e+00 1	- 1.17e+00 1	5.10e+00 1	- 2.10e+00 1	-	6.41e+00 1	3.60e+00 1
			Bot	-	5.09e+00 01	1.47e+00 1	8.08e+00 0	1.57e+00 1	- 5.18e+00 1	-	6.12e+00 01	3.38e+00 1
1170	STL ENV_STR(al l)		Cent	Top	2.50e+00 2	4.43e+00 1	- 1.42e+00 1	2.51e+00 2	4.33e+00 1	-	2.32e+00 2	1.25e+00 2
			Bot	-	2.54e+00 02	- 7.95e+00 1	- 1.82e+00 1	- 7.76e+00 1	- 2.56e+00 2	-	2.27e+00 02	1.28e+00 2
1171	STL ENV_STR(al l)		Cent	Top	2.46e+00 2	2.97e+00 1	- 3.93e+00 0	2.46e+00 2	2.96e+00 1	-	2.32e+00 2	1.23e+00 2
			Bot	-	2.54e+00 02	- 4.73e+00 1	- 2.10e+00 1	- 4.52e+00 1	- 2.56e+00 2	-	2.37e+00 02	1.28e+00 2
1172	STL ENV_STR(al l)		Cent	Top	2.47e+00 2	5.93e+00 0	- 1.71e+00 1	2.48e+00 2	4.72e+00 0	-	2.46e+00 2	1.24e+00 2
			Bot	-	2.59e+00 02	- 1.06e+00 1	5.77e+00 0	- 1.05e+00 1	- 2.59e+00 2	-	2.54e+00 02	1.30e+00 2
1173	STL ENV_STR(al l)		Cent	Top	- 1.07e+00 3	- 1.25e+00 3	- 4.18e+00 2	- 7.34e+00 2	- 1.59e+00 3	-	1.38e+00 3	7.94e+00 2
			Bot	-	1.48e+00 03	- 9.18e+00 2	1.09e+00 2	1.48e+00 3	- 9.23e+00 2	-	2.10e+00 03	1.20e+00 3
1174	STL ENV_STR(al l)		Cent	Top	5.05e+00 2	- 7.02e+00 2	- 4.30e+00 2	6.43e+00 2	- 8.39e+00 2	-	1.29e+00 3	7.41e+00 2
			Bot	-	4.11e+00 02	- 9.64e+00 2	2.02e+00 2	3.45e+00 2	- 1.03e+00 3	-	9.08e+00 02	5.15e+00 2
1175	STL ENV_STR(al l)		Cent	Top	3.57e+00 2	- 7.61e+00 2	- 5.90e+00 2	6.10e+00 2	- 1.01e+00 3	-	1.42e+00 3	8.13e+00 2
			Bot	-	1.31e+00 02	- 1.13e+00 3	3.03e+00 2	4.62e+00 1	- 1.22e+00 3	-	1.19e+00 03	6.08e+00 2
1176	STL ENV_STR(al l)		Cent	Top	2.97e+00 2	- 7.56e+00 2	- 2.38e+00 2	3.48e+00 2	- 8.07e+00 2	-	1.03e+00 3	5.78e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.84e+002	7.51e+002	6.77e+001	2.74e+002	7.61e+002	-	6.68e+002	3.81e+002	
1177	STL ENV_STR(al1)		Cent	Top	8.82e+001	7.92e+002	1.08e+002	1.01e+002	8.05e+002	-	8.61e+002	4.53e+002
			Bot	1.19e+002	6.01e+002	3.40e+000	1.19e+002	6.01e+002	-	5.51e+002	3.00e+002	
1178	STL ENV_STR(al1)		Cent	Top	1.27e+002	7.89e+002	3.82e+001	1.25e+002	7.91e+002	-	7.36e+002	3.95e+002
			Bot	8.48e+001	4.85e+002	2.40e+001	8.58e+001	4.86e+002	-	5.34e+002	2.86e+002	
1179	STL ENV_STR(al1)		Cent	Top	5.63e+001	7.99e+002	4.31e+001	5.38e+001	8.02e+002	-	7.76e+002	4.01e+002
			Bot	8.55e+000	5.18e+002	1.26e+001	8.85e+000	5.19e+002	-	5.23e+002	2.64e+002	
1180	STL ENV_STR(al1)		Cent	Top	8.06e+001	7.23e+002	8.15e+001	7.04e+001	7.33e+002	-	7.01e+002	3.67e+002
			Bot	8.66e+001	4.47e+002	5.19e+001	9.16e+001	4.52e+002	-	5.04e+002	2.72e+002	
1181	STL ENV_STR(al1)		Cent	Top	1.24e+003	1.09e+003	5.74e+002	5.88e+002	1.74e+003	-	1.54e+003	8.72e+002
			Bot	1.24e+003	1.10e+003	5.75e+002	5.92e+002	1.75e+003	-	1.54e+003	8.75e+002	
1182	STL ENV_STR(al1)		Cent	Top	4.11e+002	3.54e+002	4.10e+002	5.90e+002	5.32e+002	-	9.72e+002	5.61e+002
			Bot	4.15e+002	3.52e+002	4.08e+002	5.92e+002	5.29e+002	-	9.71e+002	5.60e+002	
1183	STL ENV_STR(al1)		Cent	Top	2.80e+002	7.33e+002	5.49e+002	8.74e+001	1.10e+003	-	1.15e+003	5.94e+002
			Bot	2.76e+002	7.33e+002	5.48e+002	8.90e+001	1.10e+003	-	1.14e+003	5.93e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1184	STL ENV_STR(al l)		Cent	Top	1.10e+003	8.77e+000	3.02e+002	1.17e+003	-6.95e+001	-	1.21e+003	6.22e+002
			Bot	03	1.10e+003	1.06e+001	3.00e+002	1.18e+003	-6.65e+001	-	1.21e+003	6.22e+002
1185	STL ENV_STR(al l)		Cent	Top	6.29e+001	1.66e+003	-2.92e+001	1.66e+003	6.24e+001	-	1.63e+003	8.29e+002
			Bot	-01	2.74e+001	9.29e+002	-1.43e+001	9.29e+002	-2.77e+001	-	9.43e+002	4.78e+002
1186	STL ENV_STR(al l)		Cent	Top	-3.58e+002	1.86e+003	1.29e+002	1.87e+003	-3.66e+002	-	2.08e+003	1.12e+003
			Bot	02	1.01e+003	1.27e+003	8.99e+001	1.28e+003	9.38e+001	-	1.24e+003	6.41e+002
1187	STL ENV_STR(al l)		Cent	Top	3.96e+001	1.85e+003	-1.25e+002	1.86e+003	3.10e+001	-	1.84e+003	9.29e+002
			Bot	-02	1.49e+003	1.02e+003	-8.28e+001	1.03e+003	-1.55e+002	-	1.12e+003	5.93e+002
1188	STL ENV_STR(al l)		Cent	Top	1.19e+002	1.77e+003	6.82e+001	1.77e+003	1.16e+002	-	1.72e+003	8.86e+002
			Bot	-02	1.36e+002	9.17e+002	6.64e+001	9.21e+002	-1.40e+002	-	9.98e+002	5.30e+002
1189	STL ENV_STR(al l)		Cent	Top	1.20e+002	1.77e+003	-6.94e+001	1.78e+003	1.17e+002	-	1.72e+003	8.88e+002
			Bot	-02	1.35e+002	9.19e+002	-6.42e+001	9.23e+002	-1.39e+002	-	9.99e+002	5.31e+002
1190	STL ENV_STR(al l)		Cent	Top	3.89e+001	1.85e+003	1.23e+002	1.86e+003	3.06e+001	-	1.84e+003	9.28e+002
			Bot	-02	1.50e+003	1.02e+003	8.46e+001	1.03e+003	-1.56e+002	-	1.12e+003	5.93e+002
1191	STL ENV_STR(al l)		Cent	Top	-3.57e+002	1.86e+003	-1.31e+002	1.87e+003	-3.65e+002	-	2.08e+003	1.12e+003
			Bot	02	1.00e+003	1.27e+003	-8.83e+001	1.28e+003	9.38e+001	-	1.24e+003	6.41e+002



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
						1							
1192	STL ENV_STR (al1)		Cent	Top	6.15e+001	1.65e+003	2.89e+001	1.65e+003	6.10e+001	-	1.62e+003	8.25e+002	
			Bot	-	2.81e+001	9.25e+002	1.63e+001	9.26e+002	-	2.84e+001	9.40e+002	4.77e+002	
1193	STL ENV_STR (al1)		Cent	Top	-	2.40e+000	5.51e+002	1.81e+002	5.17e+001	-	6.05e+002	6.33e+002	3.28e+002
			Bot	3.23e+001	5.63e+002	3.90e+001	5.65e+002	2.94e+001	-	5.51e+002	2.83e+002		
1194	STL ENV_STR (al1)		Cent	Top	9.92e+001	-	1.35e+003	1.02e+002	1.06e+002	-	1.36e+003	1.42e+003	7.34e+002
			Bot	4.30e-001	1.22e+003	2.94e+001	1.22e+003	-2.80e-001	-	1.22e+003	6.08e+002		
1195	STL ENV_STR (al1)		Cent	Top	1.58e+002	-	2.06e+002	1.65e+001	1.59e+002	-	2.07e+002	3.18e+002	1.83e+002
			Bot	-	1.40e+002	1.25e+002	4.49e+001	-	8.71e+001	1.78e+002	-	1.54e+002	8.90e+001
1196	STL ENV_STR (al1)		Cent	Top	-	1.11e+002	2.06e+002	1.39e+002	1.16e+001	-	3.06e+002	3.00e+002	1.53e+002
			Bot	-	8.76e+001	2.75e+002	1.54e+002	-	1.11e+000	3.61e+002	-	3.61e+002	1.81e+002
1197	STL ENV_STR (al1)		Cent	Top	2.73e+002	4.92e+002	-	1.49e+002	5.68e+002	1.97e+002	-	5.00e+002	2.84e+002
			Bot	-	2.41e+002	7.57e+002	2.08e+002	-	1.67e+002	8.30e+002	-	7.60e+002	4.15e+002
1198	STL ENV_STR (al1)		Cent	Top	8.37e+001	-	3.29e+001	1.49e+002	1.86e+002	-	1.35e+002	2.79e+002	1.60e+002
			Bot	-	7.46e+001	3.89e+002	6.23e+001	-	6.27e+001	4.00e+002	-	3.73e+002	2.00e+002
1199	STL ENV_STR (al1)		Cent	Top	-	2.85e+002	4.19e+002	1.77e+002	-	1.62e+002	5.41e+002	4.81e+002	2.71e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
			Bot	2.02e+02	4.66e+02	-1.13e+01	4.67e+02	2.02e+02	-	4.06e+02	2.33e+02			
1200	STL ENV_STR(al l)		Cent	Top	-	8.09e+02	2.00e+03	1.25e+02	7.96e+02	2.01e+03	-	1.75e+03	1.00e+03	
			Bot	1.04e+03	1.61e+03	1.03e+02	1.63e+03	1.03e+03	-	1.42e+03	8.13e+02			
1201	STL ENV_STR(al l)		Cent	Top	1.48e+02	-	3.70e+01	1.75e+01	1.49e+02	-	3.87e+01	1.72e+02	9.40e+01	
			Bot	-	1.37e+02	-	2.53e+02	6.55e+01	-	1.08e+02	2.83e+02	-	2.47e+02	1.41e+02
1202	STL ENV_STR(al l)		Cent	Top	-	3.48e+01	-	2.26e+01	3.24e+01	4.25e+00	6.17e+01	-	6.39e+01	3.30e+01
			Bot	-	2.88e+01	-	6.76e+01	4.76e+01	3.21e+00	-	9.96e+01	-	1.01e+02	5.14e+01
1203	STL ENV_STR(al l)		Cent	Top	2.03e+02	4.07e+02	-	9.30e+01	4.43e+02	1.67e+02	-	3.87e+02	2.21e+02	
			Bot	-	1.61e+02	-	6.91e+02	1.56e+02	-	1.19e+02	7.34e+02	-	6.82e+02	3.67e+02
1204	STL ENV_STR(al l)		Cent	Top	5.51e+01	-	4.44e+01	1.19e+02	1.34e+02	-	1.23e+02	2.23e+02	1.29e+02	
			Bot	-	5.70e+01	-	2.52e+02	1.48e+01	5.59e+01	-	2.53e+02	-	2.30e+02	1.27e+02
1205	STL ENV_STR(al l)		Cent	Top	-	2.96e+02	4.54e+02	3.51e+01	2.88e+02	4.62e+02	-	4.04e+02	2.31e+02	
			Bot	2.51e+02	4.93e+02	9.94e+01	5.29e+02	2.15e+02	-	4.61e+02	2.64e+02			
1206	STL ENV_STR(al l)		Cent	Top	-	1.09e+03	2.07e+03	7.44e+01	1.09e+03	2.08e+03	-	1.80e+03	1.04e+03	
			Bot	9.09e+02	1.63e+03	-	2.77e+02	1.73e+03	8.15e+02	-	1.49e+03	8.63e+02		
120	STL		Cent	Top	9.19e+00	6.45e+00	1.59e+00	9.92e+00	5.72e+00	-	8.62e+00	4.96e+00		

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
7	ENV_STR(al1)		t		1	1	1	1	1		1	1
			Bot		8.87e+001	3.16e+002	5.92e+001	7.42e+001	3.31e+002	-	3.01e+002	1.65e+002
1208	STL ENV_STR(al1)		Cent	Top	-	-	4.63e+000	-	-		1.31e+001	7.46e+000
			Bot		1.48e+000	2.40e+001	5.34e+000	-2.80e-001	2.52e+001	-	2.51e+001	1.26e+001
1209	STL ENV_STR(al1)		Cent	Top	1.37e+002	3.60e+002	7.32e+001	3.82e+002	1.15e+002	-	3.39e+002	1.91e+002
			Bot		1.09e+002	6.53e+002	1.18e+002	8.42e+001	6.77e+002	-	6.39e+002	3.39e+002
1210	STL ENV_STR(al1)		Cent	Top	1.66e+001	-	8.14e+001	7.61e+001	-	-	1.48e+002	8.55e+001
			Bot		2.45e+001	1.48e+002	-7.95e-001	2.45e+001	1.48e+002	-	1.37e+002	7.39e+001
1211	STL ENV_STR(al1)		Cent	Top	-	-	7.57e+001	9.61e+001	6.37e+002	-	5.95e+002	3.19e+002
			Bot		9.23e+001	6.45e+002	1.11e+002	6.67e+002	7.08e+001	-	6.34e+002	3.33e+002
1212	STL ENV_STR(al1)		Cent	Top	-	-	1.42e+001	-	-	-	1.33e+003	7.05e+002
			Bot		1.40e+002	1.41e+003	-	1.42e+003	1.30e+002	-	1.36e+003	7.09e+002
1213	STL ENV_STR(al1)		Cent	Top	2.89e+001	1.22e+002	9.70e+000	1.23e+002	2.79e+001	-	1.11e+002	6.13e+001
			Bot		2.86e+001	3.41e+002	2.47e+001	2.66e+001	3.43e+002	-	3.31e+002	1.72e+002
1214	STL ENV_STR(al1)		Cent	Top	-	3.26e-001	-	1.11e+000	3.28e+000	-	3.95e+000	2.19e+000
			Bot		1.89e+000	2.57e+000	-	7.63e+000	9.86e+000	-	1.34e+001	7.63e+000

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1215	STL ENV_STR(al l)		Cent	Top	6.80e+00 1	2.98e+00 2	- 5.45e+00 1	3.10e+00 2	5.57e+00 1	-	2.86e+00 2	1.55e+00 2
			Bot	- 6.22e+00 01	- 6.40e+00 2	8.57e+00 1	- 4.97e+00 1	- 6.53e+00 2	-	6.29e+00 02	3.26e+00 2	
1216	STL ENV_STR(al l)		Cent	Top	-2.06e- 001	- 1.00e+00 1	4.71e+00 1	4.23e+00 1	- 5.25e+00 1	-	8.22e+00 1	4.74e+00 1
			Bot	-9.07e- 001	- 6.87e+00 1	- 1.45e+00 1	2.05e+00 0	- 7.16e+00 1	-	7.27e+00 01	3.68e+00 1	
1217	STL ENV_STR(al l)		Cent	Top	- 1.07e+00 2	- 6.27e+00 2	7.50e+00 1	- 9.64e+00 1	- 6.38e+00 2	-	5.95e+00 2	3.19e+00 2
			Bot	9.24e+00 01	6.46e+00 2	- 1.11e+00 2	6.67e+00 2	7.10e+00 1	-	6.35e+00 02	3.34e+00 2	
1218	STL ENV_STR(al l)		Cent	Top	- 1.76e+00 2	- 1.41e+00 3	- 1.54e+00 1	- 1.76e+00 2	- 1.41e+00 3	-	1.33e+00 3	7.06e+00 2
			Bot	1.40e+00 02	1.41e+00 3	1.14e+00 2	1.42e+00 3	1.30e+00 2	-	1.36e+00 03	7.10e+00 2	
1219	STL ENV_STR(al l)		Cent	Top	2.87e+00 1	1.20e+00 2	- 1.11e+00 1	1.22e+00 2	2.74e+00 1	-	1.10e+00 2	6.08e+00 1
			Bot	- 2.83e+00 01	- 3.38e+00 2	- 2.35e+00 1	- 2.66e+00 1	- 3.40e+00 2	-	3.27e+00 02	1.70e+00 2	
1220	STL ENV_STR(al l)		Cent	Top	- 2.40e+00 0	-8.17e- 001	1.35e+00 0	-3.88e- 002	- 3.17e+00 0	-	3.15e+00 0	1.59e+00 0
			Bot	1.90e+00 00	4.12e+00 0	8.19e+00 0	1.13e+00 1	- 5.26e+00 0	-	1.46e+00 01	8.26e+00 0	
1221	STL ENV_STR(al l)		Cent	Top	6.86e+00 1	3.02e+00 2	5.30e+00 1	3.14e+00 2	5.71e+00 1	-	2.89e+00 2	1.57e+00 2
			Bot	- 6.28e+00 01	- 6.44e+00 2	- 8.44e+00 1	- 5.08e+00 1	- 6.56e+00 2	-	6.32e+00 02	3.28e+00 2	
1222	STL ENV_STR(al l)		Cent	Top	- 1.02e+00 0	- 1.58e+00 1	- 4.80e+00 1	4.02e+00 1	- 5.70e+00 1	-	8.45e+00 1	4.86e+00 1
			Bot	-1.29e- 0	- 6.08e+00	1.53e+00	3.52e+00	- 6.44e+00	-	6.62e+00	3.40e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				001	1	1	0	1		01	1	
1223	STL ENV_STR(al l)		Cent	Top	- 2.96e+00 2	- 4.54e+00 2	3.40e+00 1	- 2.89e+00 2	- 4.61e+00 2	-	4.03e+00 2	2.30e+00 2
			Bot	02	2.51e+00 2	4.93e+00 2	- 9.88e+00 1	5.28e+00 2	2.16e+00 2	-	4.60e+00 2	2.64e+00 2
1224	STL ENV_STR(al l)		Cent	Top	- 1.09e+00 3	- 2.08e+00 3	7.29e+00 1	- 1.09e+00 3	- 2.08e+00 3	-	1.80e+00 3	1.04e+00 3
			Bot	02	9.12e+00 3	1.64e+00 3	2.79e+00 2	1.73e+00 3	8.17e+00 2	-	1.50e+00 3	8.65e+00 2
1225	STL ENV_STR(al l)		Cent	Top	9.10e+00 1	6.33e+00 1	- 1.71e+00 1	9.92e+00 1	5.51e+00 1	-	8.61e+00 1	4.96e+00 1
			Bot	01	- 8.79e+00 2	- 3.14e+00 2	- 5.84e+00 1	- 7.37e+00 1	- 3.28e+00 2	-	2.98e+00 2	1.64e+00 2
1226	STL ENV_STR(al l)		Cent	Top	- 9.70e+00 0	- 1.01e+00 1	- 4.41e+00 0	- 5.49e+00 0	- 1.43e+00 1	-	1.25e+00 1	7.15e+00 0
			Bot	00	- 1.94e+00 0	- 2.31e+00 1	- 4.74e+00 0	- -9.25e- 001	- 2.41e+00 1	-	2.36e+00 01	1.20e+00 1
1227	STL ENV_STR(al l)		Cent	Top	- 1.38e+00 2	- 3.65e+00 2	- 7.13e+00 1	- 3.85e+00 2	- 1.17e+00 2	-	3.42e+00 2	1.93e+00 2
			Bot	02	- 1.10e+00 2	- 6.56e+00 2	- 1.16e+00 2	- 8.59e+00 1	- 6.80e+00 2	-	6.41e+00 02	3.40e+00 2
1228	STL ENV_STR(al l)		Cent	Top	- 1.44e+00 1	- 4.23e+00 1	- 8.25e+00 1	7.33e+00 1	- 1.01e+00 2	-	1.52e+00 2	8.73e+00 1
			Bot	01	- 2.26e+00 0	- 1.39e+00 2	2.03e+00 0	- 2.26e+00 1	- 1.39e+00 2	-	1.29e+00 02	6.96e+00 1
1229	STL ENV_STR(al l)		Cent	Top	- 2.85e+00 2	- 4.18e+00 2	- 1.79e+00 2	- 1.61e+00 2	- 5.43e+00 2	-	4.83e+00 2	2.71e+00 2
			Bot	02	2.02e+00 2	4.66e+00 2	1.26e+00 1	4.67e+00 2	2.02e+00 2	-	4.05e+00 02	2.33e+00 2
1230	STL ENV_STR(al l)		Cent	Top	- 8.12e+00 2	- 2.00e+00 3	1.24e+00 2	- 7.99e+00 2	- 2.01e+00 3	-	1.75e+00 3	1.01e+00 3

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.05e+03	1.61e+03	1.03e+02	1.63e+03	1.03e+03	-	1.43e+03	8.15e+02	
1231	STL ENV_STR (al1)		Cent	Top	1.46e+02	3.77e+01	1.86e+01	1.48e+02	3.96e+01	-	1.71e+02	9.38e+01
			Bot	1.36e+02	2.51e+02	6.49e+01	1.07e+02	2.81e+02	-	2.45e+02	1.40e+02	
1232	STL ENV_STR (al1)		Cent	Top	2.42e+01	1.86e+01	2.70e+01	5.79e+00	4.86e+01	-	5.17e+01	2.72e+01
			Bot	3.77e+01	7.10e+01	5.14e+01	-3.01e-001	1.08e+02	-	1.08e+02	5.42e+01	
1233	STL ENV_STR (al1)		Cent	Top	2.04e+02	4.11e+02	9.08e+01	4.45e+02	1.70e+02	-	3.89e+02	2.23e+02
			Bot	1.62e+02	6.94e+02	1.54e+02	1.21e+02	7.36e+02	-	6.84e+02	3.68e+02	
1234	STL ENV_STR (al1)		Cent	Top	5.13e+01	5.38e+01	1.20e+02	1.30e+02	1.32e+02	-	2.27e+02	1.31e+02
			Bot	5.39e+01	2.41e+02	1.63e+01	5.25e+01	2.42e+02	-	2.21e+02	1.21e+02	
1235	STL ENV_STR (al1)		Cent	Top	2.21e+00	5.51e+02	1.83e+02	5.30e+01	6.06e+02	-	6.34e+02	3.29e+02
			Bot	3.20e+01	5.62e+02	3.76e+01	5.65e+02	2.94e+01	-	5.51e+02	2.82e+02	
1236	STL ENV_STR (al1)		Cent	Top	9.90e+01	1.36e+03	1.01e+02	1.06e+02	1.36e+03	-	1.42e+03	7.35e+02
			Bot	7.37e-001	1.22e+03	2.89e+01	1.22e+03	5.14e-002	-	1.22e+03	6.10e+02	
1237	STL ENV_STR (al1)		Cent	Top	1.56e+02	2.06e+02	1.76e+01	1.57e+02	2.07e+02	-	3.16e+02	1.82e+02
			Bot	1.38e+02	1.25e+02	4.45e+01	8.65e+01	1.76e+02	-	1.53e+02	8.82e+01	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1238	STL ENV_STR (a11)		Cent	Top	-1.04e+002	-1.76e+002	-1.23e+002	-1.11e+001	-2.68e+002	-	2.63e+002	1.34e+002
			Bot	01	9.21e+001	3.02e+002	1.67e+002	-1.10e-002	3.94e+002	-	3.94e+002	1.97e+002
1239	STL ENV_STR (a11)		Cent	Top	2.73e+002	4.96e+002	1.47e+002	5.69e+002	2.00e+002	-	5.00e+002	2.84e+002
			Bot	02	2.41e+002	7.59e+002	2.06e+002	1.69e+002	8.31e+002	-	7.61e+002	4.15e+002
1240	STL ENV_STR (a11)		Cent	Top	7.91e+001	-4.53e+001	-1.50e+002	1.80e+002	-1.46e+002	-	2.82e+002	1.63e+002
			Bot	01	7.09e+002	3.75e+002	6.28e+001	5.84e+001	3.87e+002	-	3.61e+002	1.94e+002
1241	STL ENV_STR (a11)		Cent	Top	2.95e+002	-7.70e+002	2.43e+002	3.48e+002	-8.23e+002	-	1.04e+003	5.85e+002
			Bot	02	2.92e+002	7.37e+002	7.07e+001	2.81e+002	7.48e+002	-	6.54e+002	3.74e+002
1242	STL ENV_STR (a11)		Cent	Top	3.53e+002	-7.68e+002	5.96e+002	6.11e+002	-1.02e+003	-	1.43e+003	8.18e+002
			Bot	02	1.32e+003	1.12e+003	3.05e+002	4.57e+001	1.21e+003	-	1.19e+003	6.06e+002
1243	STL ENV_STR (a11)		Cent	Top	5.02e+002	-7.13e+002	4.35e+002	6.42e+002	-8.52e+002	-	1.30e+003	7.47e+002
			Bot	02	4.15e+002	9.53e+002	2.04e+002	3.46e+002	1.02e+003	-	9.00e+002	5.11e+002
1244	STL ENV_STR (a11)		Cent	Top	-1.08e+003	-1.25e+003	4.23e+002	-7.32e+002	-1.60e+003	-	1.39e+003	7.99e+002
			Bot	03	1.48e+002	9.16e+002	1.10e+002	1.49e+003	9.21e+002	-	2.10e+003	1.20e+003
1248	STL ENV_STR (a11)		Cent	Top	9.33e+001	-8.11e+002	1.11e+002	1.07e+002	-8.24e+002	-	8.82e+002	4.65e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.37e+002	5.82e+002	2.01e-001	1.37e+002	5.82e+002	-	5.27e+002	2.91e+002	
1249	STL ENV_STR (al1)		Cent	Top	1.04e+003	5.62e+002	1.20e+002	1.07e+003	5.34e+002	-	9.23e+002	5.33e+002
			Bot	9.69e+002	2.11e+003	1.24e+002	9.55e+002	2.13e+003	-	1.85e+003	1.06e+003	
1250	STL ENV_STR (al1)		Cent	Top	2.10e+003	1.30e+003	2.79e+002	1.21e+003	2.19e+003	-	1.90e+003	1.09e+003
			Bot	2.33e+003	6.75e+002	7.92e+001	2.33e+003	6.78e+002	-	2.73e+003	1.50e+003	
1251	STL ENV_STR (al1)		Cent	Top	6.30e+001	8.26e+002	3.99e+002	2.16e+002	9.79e+002	-	1.10e+003	5.97e+002
			Bot	6.39e+000	5.69e+002	2.83e+002	1.11e+002	6.86e+002	-	7.48e+002	3.99e+002	
1252	STL ENV_STR (al1)		Cent	Top	3.60e+002	8.36e+002	2.76e+002	2.33e+002	9.63e+002	-	8.70e+002	4.81e+002
			Bot	4.68e+002	6.42e+002	4.06e+001	4.70e+002	6.43e+002	-	9.68e+002	5.57e+002	
1253	STL ENV_STR (al1)		Cent	Top	5.53e+001	3.69e+002	2.53e+002	1.73e+002	4.87e+002	-	5.93e+002	3.30e+002
			Bot	1.01e+002	1.43e+003	1.60e+002	1.18e+002	1.45e+003	-	1.51e+003	7.84e+002	
1254	STL ENV_STR (al1)		Cent	Top	8.95e+002	2.23e+002	3.37e+001	8.97e+002	2.21e+002	-	8.09e+002	4.48e+002
			Bot	7.89e+002	1.88e+003	1.84e+000	7.89e+002	1.88e+003	-	1.64e+003	9.42e+002	
1255	STL ENV_STR (al1)		Cent	Top	2.68e+002	8.65e+002	4.21e+002	5.04e+001	1.08e+003	-	1.06e+003	5.42e+002
			Bot	3.66e+002	5.98e+002	1.82e+002	4.00e+002	6.31e+002	-	9.00e+002	5.15e+002	
125	STL ENV_STR (al1)		Cent	Top	8.76e+000	8.70e+000	4.50e+000	1.18e+000	1.08e+000	-	1.14e+000	5.96e+000



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
6	l)		t		1	2	2	2	3		3	2
			Bot	1.66e+002	5.62e+002	2.80e+002	2.61e+002	6.58e+002	-	8.20e+002	4.59e+002	
1257	STL ENV_STR (al l)		Cent	Top	8.97e+002	2.26e+002	-3.26e+001	8.99e+002	2.25e+002	-	8.10e+002	4.49e+002
			Bot	7.91e+002	1.89e+003	3.74e+000	7.91e+002	1.89e+003	-	1.64e+003	9.44e+002	
1258	STL ENV_STR (al l)		Cent	Top	5.57e+001	-3.70e+002	2.54e+002	1.74e+002	-4.88e+002	-	5.95e+002	3.31e+002
			Bot	1.01e+002	1.43e+003	1.62e+002	1.18e+002	1.45e+003	-	1.51e+003	7.83e+002	
1259	STL ENV_STR (al l)		Cent	Top	-8.75e+001	-8.69e+002	-4.52e+002	1.19e+002	-1.08e+003	-	1.14e+003	5.98e+002
			Bot	1.66e+002	5.64e+002	2.82e+002	2.62e+002	6.60e+002	-	8.23e+002	4.61e+002	
1260	STL ENV_STR (al l)		Cent	Top	-2.67e+002	-8.65e+002	4.19e+002	5.10e+001	-1.08e+003	-	1.06e+003	5.41e+002
			Bot	3.65e+002	5.97e+002	1.81e+002	3.98e+002	6.30e+002	-	8.98e+002	5.14e+002	
1261	STL ENV_STR (al l)		Cent	Top	-2.10e+003	1.30e+003	2.78e+002	1.22e+003	2.19e+003	-	1.90e+003	1.10e+003
			Bot	2.33e+003	6.76e+002	7.76e+001	2.33e+003	6.78e+002	-	2.73e+003	1.50e+003	
1262	STL ENV_STR (al l)		Cent	Top	1.03e+003	5.57e+002	1.18e+002	1.06e+003	5.30e+002	-	9.17e+002	5.29e+002
			Bot	9.63e+002	2.11e+003	1.21e+002	9.50e+002	2.12e+003	-	1.84e+003	1.06e+003	
1263	STL ENV_STR (al l)		Cent	Top	-3.63e+002	8.37e+002	2.78e+002	2.34e+002	9.66e+002	-	8.72e+002	4.83e+002
			Bot	4.71e+00	6.41e+00	3.92e+00	4.73e+00	6.43e+00	-	9.70e+00	5.58e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	2	1	2	2		02	2	
1264	STL ENV_STR(al l)		Cent	Top	6.18e+00 1	- 8.28e+00 2	3.97e+00 2	2.13e+00 2	- 9.80e+00 2	-	1.10e+00 3	5.97e+00 2
			Bot	-	5.39e+00 00	- 5.65e+00 2	- 2.82e+00 2	1.12e+00 2	- 6.83e+00 2	-	7.45e+00 02	3.97e+00 2
1265	STL ENV_STR(al l)		Cent	Top	8.72e+00 2	7.13e+00 2	- 1.68e+00 2	9.78e+00 2	6.07e+00 2	-	8.55e+00 2	4.89e+00 2
			Bot	-	8.31e+00 02	- 2.17e+00 3	1.53e+00 2	- 8.13e+00 2	- 2.19e+00 3	-	1.92e+00 03	1.09e+00 3
1266	STL ENV_STR(al l)		Cent	Top	1.33e+00 2	- 7.48e+00 2	3.18e+00 2	2.35e+00 2	- 8.51e+00 2	-	9.90e+00 2	5.43e+00 2
			Bot	-	9.67e+00 01	- 6.06e+00 2	- 2.44e+00 2	1.05e+00 0	- 7.04e+00 2	-	7.05e+00 02	3.53e+00 2
1267	STL ENV_STR(al l)		Cent	Top	3.64e+00 2	7.71e+00 2	- 1.23e+00 2	8.05e+00 2	3.30e+00 2	-	7.01e+00 2	4.03e+00 2
			Bot	-	3.57e+00 02	- 2.09e+00 3	1.01e+00 2	- 3.51e+00 2	- 2.10e+00 3	-	1.95e+00 03	1.05e+00 3
1268	STL ENV_STR(al l)		Cent	Top	8.64e+00 1	- 5.71e+00 2	2.28e+00 2	1.58e+00 2	- 6.42e+00 2	-	7.34e+00 2	4.00e+00 2
			Bot	-	7.90e+00 01	- 7.24e+00 2	- 2.08e+00 2	- 1.78e+00 1	- 7.85e+00 2	-	7.77e+00 02	3.93e+00 2
1269	STL ENV_STR(al l)		Cent	Top	6.25e+00 2	7.63e+00 2	- 1.57e+00 2	8.66e+00 2	5.22e+00 2	-	7.55e+00 2	4.33e+00 2
			Bot	-	6.02e+00 02	- 2.15e+00 3	1.34e+00 2	- 5.91e+00 2	- 2.16e+00 3	-	1.93e+00 03	1.08e+00 3
1270	STL ENV_STR(al l)		Cent	Top	1.33e+00 2	- 6.55e+00 2	2.52e+00 2	2.06e+00 2	- 7.29e+00 2	-	8.51e+00 2	4.67e+00 2
			Bot	-	1.13e+00 02	- 6.66e+00 2	- 2.09e+00 2	- 4.31e+00 1	- 7.36e+00 2	-	7.15e+00 02	3.68e+00 2
127	STL ENV_STR(al		Cent	Top	1.33e+00	7.80e+00	- 7.17e+00	7.87e+00	1.26e+00	-	7.33e+00	3.94e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1	1)		t		2	2	1	2	2		2	2
			Bot		1.32e+002	2.05e+003	6.15e+001	1.30e+002	2.05e+003	1.99e+003	1.03e+003	
1272	STL ENV_STR (al1)		Cent	Top	2.32e+001	5.17e+002	2.01e+002	8.97e+001	5.83e+002	-	6.33e+002	3.36e+002
			Bot		2.27e+001	7.63e+002	1.96e+002	2.60e+001	8.12e+002	-	8.25e+002	4.19e+002
1273	STL ENV_STR (al1)		Cent	Top	1.37e+002	8.07e+002	8.15e+001	8.16e+002	1.27e+002	-	7.61e+002	4.08e+002
			Bot		1.36e+002	2.08e+003	7.09e+001	1.33e+002	2.08e+003	2.02e+003	1.04e+003	
1274	STL ENV_STR (al1)		Cent	Top	2.38e+001	5.12e+002	2.01e+002	9.11e+001	5.79e+002	-	6.29e+002	3.35e+002
			Bot		2.32e+001	7.70e+002	1.97e+002	2.54e+001	8.19e+002	8.32e+002	4.22e+002	
1275	STL ENV_STR (al1)		Cent	Top	6.35e+002	7.76e+002	1.64e+002	8.84e+002	5.27e+002	-	7.70e+002	4.42e+002
			Bot		6.13e+002	2.16e+003	1.41e+002	6.00e+002	2.17e+003	1.94e+003	1.09e+003	
1276	STL ENV_STR (al1)		Cent	Top	1.35e+002	6.51e+002	2.52e+002	2.09e+002	7.26e+002	-	8.49e+002	4.67e+002
			Bot		1.15e+002	6.71e+002	2.10e+002	4.48e+001	7.41e+002	7.20e+002	3.71e+002	
1277	STL ENV_STR (al1)		Cent	Top	3.74e+002	7.91e+002	1.33e+002	8.29e+002	3.35e+002	-	7.23e+002	4.15e+002
			Bot		3.66e+002	2.11e+003	1.11e+002	3.59e+002	2.12e+003	1.97e+003	1.06e+003	
1278	STL ENV_STR (al1)		Cent	Top	8.79e+001	5.66e+002	2.29e+002	1.60e+002	6.39e+002	-	7.32e+002	3.99e+002
			Bot		8.05e+001	7.30e+002	2.09e+002	1.92e+001	7.91e+002	7.82e+002	3.96e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1279	STL ENV_STR(al l)		Cent	Top	8.81e+00 2	7.20e+00 2	1.72e+00 2	9.90e+00 2	6.11e+00 2	-	8.65e+00 2	4.95e+00 2
			Bot	- 02	8.39e+00 3	2.18e+00 3	1.58e+00 2	8.21e+00 2	2.20e+00 3	-	1.93e+00 3	1.10e+00 3
1280	STL ENV_STR(al l)		Cent	Top	1.35e+00 2	- 7.46e+00 2	- 3.19e+00 2	2.38e+00 2	- 8.49e+00 2	-	9.90e+00 2	5.44e+00 2
			Bot	- 01	9.84e+00 2	6.11e+00 2	2.45e+00 2	-2.53e- 001	7.09e+00 2	-	7.09e+00 2	3.54e+00 2
1281	STL ENV_STR(al l)		Cent	Top	- 1.17e+00 3	- 1.14e+00 3	- 6.42e+00 2	5.12e+00 2	- 1.80e+00 3	-	1.60e+00 3	8.98e+00 2
			Bot	- 03	1.17e+00 3	1.16e+00 3	6.42e+00 2	5.22e+00 2	1.81e+00 3	-	1.61e+00 3	9.03e+00 2
1282	STL ENV_STR(al l)		Cent	Top	- 6.80e+00 2	3.51e+00 1	- 5.47e+00 2	3.31e+00 2	- 9.76e+00 2	-	1.18e+00 3	6.54e+00 2
			Bot	- 02	6.84e+00 2	2.09e+00 1	5.48e+00 2	3.20e+00 2	9.83e+00 2	-	1.18e+00 3	6.52e+00 2
1283	STL ENV_STR(al l)		Cent	Top	4.54e+00 2	- 4.49e+00 2	- 4.51e+00 2	6.41e+00 2	- 6.36e+00 2	-	1.11e+00 3	6.39e+00 2
			Bot	4.52e+00 02	4.51e+00 2	4.53e+00 2	6.40e+00 2	6.39e+00 2	-	1.11e+00 3	6.40e+00 2	
1284	STL ENV_STR(al l)		Cent	Top	2.76e+00 2	- 7.27e+00 1	- 7.12e+00 2	8.35e+00 2	- 6.32e+00 2	-	1.27e+00 3	7.33e+00 2
			Bot	2.74e+00 02	7.65e+00 1	7.13e+00 2	8.33e+00 2	6.35e+00 2	-	1.28e+00 3	7.34e+00 2	
1285	STL ENV_STR(al l)		Cent	Top	- 2.46e+00 2	- 7.94e+00 2	- 5.80e+00 2	1.22e+00 2	- 1.16e+00 3	-	1.23e+00 3	6.42e+00 2
			Bot	- 02	2.50e+00 2	8.01e+00 2	5.80e+00 2	1.17e+00 2	1.17e+00 3	-	1.23e+00 3	6.42e+00 2
1286	STL ENV_STR(al l)		Cent	Top	- 2.80e+00 2	- 2.95e+00 1	- 6.89e+00 2	5.46e+00 2	- 8.55e+00 2	-	1.22e+00 3	7.00e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.83e+002	3.82e+001	6.90e+002	5.40e+002	8.61e+002	-	1.22e+003	7.00e+002	
1287	STL ENV_STR(al1)		Cent	Top	1.15e+003	1.79e+002	3.30e+002	1.22e+003	2.57e+002	-	1.37e+003	7.40e+002
			Bot	1.15e+003	1.78e+002	3.33e+002	1.22e+003	2.57e+002	-	1.37e+003	7.41e+002	
1288	STL ENV_STR(al1)		Cent	Top	8.10e+002	6.36e+001	6.37e+002	1.15e+003	3.99e+002	-	1.39e+003	7.73e+002
			Bot	8.10e+002	6.29e+001	6.38e+002	1.15e+003	4.00e+002	-	1.39e+003	7.73e+002	
1289	STL ENV_STR(al1)		Cent	Top	1.93e+000	3.86e+001	3.90e+002	4.10e+002	3.70e+002	-	6.76e+002	3.90e+002
			Bot	7.92e-001	3.82e+001	3.89e+002	4.09e+002	3.70e+002	-	6.75e+002	3.90e+002	
1290	STL ENV_STR(al1)		Cent	Top	1.78e+001	1.41e+002	5.18e+002	6.01e+002	4.42e+002	-	9.07e+002	5.22e+002
			Bot	1.81e+001	1.42e+002	5.17e+002	6.01e+002	4.41e+002	-	9.05e+002	5.21e+002	
1291	STL ENV_STR(al1)		Cent	Top	8.83e+001	6.50e+001	1.29e+003	1.28e+003	1.30e+003	-	2.23e+003	1.29e+003
			Bot	8.90e+001	6.39e+001	1.29e+003	1.28e+003	1.30e+003	-	2.23e+003	1.29e+003	
1292	STL ENV_STR(al1)		Cent	Top	4.86e+002	5.05e+001	1.34e+003	1.09e+003	1.63e+003	-	2.37e+003	1.36e+003
			Bot	4.89e+002	5.35e+001	1.34e+003	1.09e+003	1.63e+003	-	2.37e+003	1.36e+003	
1293	STL ENV_STR(al1)		Cent	Top	6.39e+002	1.40e+003	2.89e+001	6.38e+002	1.40e+003	-	1.22e+003	7.02e+002
			Bot	6.44e+002	1.41e+003	2.77e+001	6.43e+002	1.41e+003	-	1.23e+003	7.06e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1294	STL ENV_STR(al l)		Cent	Top	-3.87e+002	7.25e+001	-5.94e+002	4.79e+002	-7.94e+002	-	1.11e+003	6.37e+002
			Bot	02	3.90e+002	6.20e+001	-5.95e+002	4.72e+002	-8.00e+002	-	1.11e+003	6.36e+002
1295	STL ENV_STR(al l)		Cent	Top	1.15e+002	7.21e+001	1.23e+003	1.33e+003	-1.14e+003	-	2.14e+003	1.23e+003
			Bot	02	1.15e+002	7.19e+001	1.23e+003	1.33e+003	-1.14e+003	-	2.14e+003	1.23e+003
1296	STL ENV_STR(al l)		Cent	Top	-3.19e+002	-3.31e+001	1.30e+003	1.13e+003	-1.48e+003	-	2.27e+003	1.31e+003
			Bot	02	3.18e+002	3.30e+001	1.30e+003	1.13e+003	-1.48e+003	-	2.27e+003	1.31e+003
1297	STL ENV_STR(al l)		Cent	Top	-7.51e+002	-3.09e+002	1.32e+003	8.08e+002	-1.87e+003	-	2.38e+003	1.34e+003
			Bot	02	7.48e+002	3.09e+002	1.32e+003	8.07e+002	-1.86e+003	-	2.37e+003	1.34e+003
1298	STL ENV_STR(al l)		Cent	Top	-6.45e+002	-2.88e+002	-7.22e+002	2.77e+002	-1.21e+003	-	1.37e+003	7.44e+002
			Bot	02	6.49e+002	3.00e+002	-7.22e+002	2.69e+002	-1.22e+003	-	1.37e+003	7.43e+002
1299	STL ENV_STR(al l)		Cent	Top	-1.19e+001	-4.19e+001	3.83e+002	3.57e+002	-4.10e+002	-	6.65e+002	3.83e+002
			Bot	01	1.15e+001	4.17e+001	3.82e+002	3.56e+002	-4.09e+002	-	6.63e+002	3.83e+002
1300	STL ENV_STR(al l)		Cent	Top	2.76e+001	-1.94e+001	4.44e+002	4.49e+002	-4.41e+002	-	7.71e+002	4.45e+002
			Bot	01	2.74e+001	-1.95e+001	4.44e+002	4.48e+002	-4.41e+002	-	7.70e+002	4.44e+002
1301	STL ENV_STR(al l)		Cent	Top	2.29e+002	-5.03e+000	1.33e+003	1.45e+003	-1.23e+003	-	2.32e+003	1.34e+003

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.29e+02	-4.94e+00	1.33e+03	1.45e+03	-1.23e+03	-	2.32e+03	1.34e+03	
1302	STL ENV_STR (all)		Cent	Top	5.05e+02	1.78e+01	1.45e+03	1.74e+03	-1.21e+03	-	2.57e+03	1.48e+03
			Bot	02	5.05e+02	1.82e+01	1.45e+03	1.74e+03	-1.21e+03	-	2.57e+03	1.47e+03
1303	STL ENV_STR (all)		Cent	Top	8.29e+02	-3.20e+02	-6.82e+01	8.33e+02	-3.24e+02	-	1.03e+03	5.78e+02
			Bot	02	8.28e+02	-3.19e+02	-7.07e+01	8.33e+02	-3.24e+02	-	1.03e+03	5.78e+02
1304	STL ENV_STR (all)		Cent	Top	1.02e+02	-3.79e+01	1.23e+03	1.26e+03	-1.20e+03	-	2.13e+03	1.23e+03
			Bot	02	1.02e+02	-3.76e+01	1.22e+03	1.26e+03	-1.19e+03	-	2.13e+03	1.23e+03
1305	STL ENV_STR (all)		Cent	Top	3.62e+02	5.88e+01	1.33e+03	1.55e+03	-1.13e+03	-	2.32e+03	1.34e+03
			Bot	02	3.60e+02	5.78e+01	1.33e+03	1.54e+03	-1.13e+03	-	2.32e+03	1.34e+03
1306	STL ENV_STR (all)		Cent	Top	6.24e+02	-1.99e+01	1.31e+03	1.65e+03	-1.04e+03	-	2.35e+03	1.34e+03
			Bot	02	6.26e+02	-1.85e+01	1.30e+03	1.65e+03	-1.04e+03	-	2.35e+03	1.34e+03
1307	STL ENV_STR (all)		Cent	Top	6.59e+02	-1.64e+02	-6.10e+02	9.83e+02	-4.88e+02	-	1.30e+03	7.36e+02
			Bot	02	6.58e+02	-1.65e+02	-6.11e+02	9.83e+02	-4.90e+02	-	1.30e+03	7.37e+02
1308	STL ENV_STR (all)		Cent	Top	-1.63e+02	8.98e+01	-5.08e+02	4.87e+02	-5.60e+02	-	9.08e+02	5.24e+02
			Bot	02	-1.65e+02	8.40e+01	-5.09e+02	4.84e+02	-5.65e+02	-	9.09e+02	5.24e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1309	STL ENV_STR(al l)		Cent	Top	-6.61e+001	8.17e+001	-3.79e+002	3.94e+002	-3.79e+002	-	6.70e+002	3.87e+002
			Bot	6.70e+001	7.86e+001	-3.80e+002	3.93e+002	-3.81e+002	-	6.70e+002	3.87e+002	
1310	STL ENV_STR(al l)		Cent	Top	-3.96e+000	8.06e+001	-2.48e+002	2.90e+002	-2.13e+002	-	4.37e+002	2.51e+002
			Bot	4.57e+000	7.84e+001	-2.48e+002	2.89e+002	-2.15e+002	-	4.37e+002	2.52e+002	
1311	STL ENV_STR(al l)		Cent	Top	2.65e+001	8.28e+001	-1.18e+002	1.76e+002	-6.69e+001	-	2.18e+002	1.22e+002
			Bot	2.58e+001	8.04e+001	-1.19e+002	1.75e+002	-6.87e+001	-	2.18e+002	1.22e+002	
1312	STL ENV_STR(al l)		Cent	Top	4.90e+002	-5.40e+000	-6.53e+002	9.41e+002	-4.56e+002	-	1.23e+003	6.98e+002
			Bot	4.90e+002	-6.92e+000	-6.54e+002	9.41e+002	-4.58e+002	-	1.23e+003	6.99e+002	
1313	STL ENV_STR(al l)		Cent	Top	3.66e+002	3.52e+001	-5.03e+002	7.30e+002	-3.29e+002	-	9.39e+002	5.30e+002
			Bot	3.65e+002	3.36e+001	-5.04e+002	7.30e+002	-3.31e+002	-	9.40e+002	5.30e+002	
1314	STL ENV_STR(al l)		Cent	Top	2.09e+002	2.95e+001	-3.68e+002	4.98e+002	-2.59e+002	-	6.66e+002	3.78e+002
			Bot	2.09e+002	2.84e+001	-3.68e+002	4.98e+002	-2.60e+002	-	6.67e+002	3.79e+002	
1315	STL ENV_STR(al l)		Cent	Top	9.37e+001	2.91e+001	-2.39e+002	3.03e+002	-1.80e+002	-	4.23e+002	2.41e+002
			Bot	9.35e+001	2.83e+001	-2.40e+002	3.03e+002	-1.81e+002	-	4.23e+002	2.42e+002	
1316	STL ENV_STR(al l)		Cent	Top	2.30e+001	3.13e+001	-1.09e+002	1.36e+002	-8.19e+001	-	1.91e+002	1.09e+002



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.29e+001	3.10e+001	-1.09e+002	1.36e+002	-8.26e+001	-	1.92e+002	1.10e+002	
1317	STL ENV_STR(al1)		Cent	Top	-3.03e+002	9.53e+001	-5.77e+002	5.07e+002	-7.14e+002	-	1.06e+003	6.11e+002
			Bot	-3.06e+002	8.59e+001	-5.78e+002	5.01e+002	-7.21e+002	-	1.06e+003	6.11e+002	
1318	STL ENV_STR(al1)		Cent	Top	-2.44e+002	9.83e+001	-5.60e+002	5.13e+002	-6.58e+002	-	1.02e+003	5.85e+002
			Bot	-2.46e+002	9.03e+001	-5.61e+002	5.08e+002	-6.63e+002	-	1.02e+003	5.86e+002	
1319	STL ENV_STR(al1)		Cent	Top	-1.99e+002	9.44e+001	-5.37e+002	5.04e+002	-6.08e+002	-	9.65e+002	5.56e+002
			Bot	-2.01e+002	8.76e+001	-5.38e+002	5.00e+002	-6.13e+002	-	9.66e+002	5.57e+002	
1320	STL ENV_STR(al1)		Cent	Top	-1.34e+002	8.63e+001	-4.77e+002	4.66e+002	-5.13e+002	-	8.49e+002	4.90e+002
			Bot	-1.35e+002	8.14e+001	-4.78e+002	4.63e+002	-5.17e+002	-	8.50e+002	4.90e+002	
1321	STL ENV_STR(al1)		Cent	Top	-1.09e+002	8.40e+001	-4.45e+002	4.43e+002	-4.68e+002	-	7.89e+002	4.55e+002
			Bot	-1.10e+002	7.98e+001	-4.46e+002	4.41e+002	-4.71e+002	-	7.90e+002	4.56e+002	
1322	STL ENV_STR(al1)		Cent	Top	-8.62e+001	8.26e+001	-4.12e+002	4.19e+002	-4.23e+002	-	7.29e+002	4.21e+002
			Bot	-8.72e+001	7.90e+001	-4.13e+002	4.17e+002	-4.25e+002	-	7.30e+002	4.21e+002	
1323	STL ENV_STR(al1)		Cent	Top	-4.79e+001	8.11e+001	-3.46e+002	3.69e+002	-3.36e+002	-	6.11e+002	3.52e+002
			Bot	-4.87e+001	7.84e+001	-3.47e+002	3.68e+002	-3.38e+002	-	6.11e+002	3.53e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1324	STL ENV_STR(al l)		Cent	Top	- 3.15e+00 1	8.08e+00 1	- 3.13e+00 2	3.43e+00 2	- 2.94e+00 2	-	5.52e+00 2	3.18e+00 2
			Bot	01	3.22e+00 1	7.83e+00 1	- 3.14e+00 2	3.42e+00 2	- 2.96e+00 2	-	5.53e+00 02	3.19e+00 2
1325	STL ENV_STR(al l)		Cent	Top	- 1.68e+00 1	8.06e+00 1	- 2.81e+00 2	3.17e+00 2	- 2.53e+00 2	-	4.94e+00 2	2.85e+00 2
			Bot	01	1.75e+00 1	7.84e+00 1	- 2.81e+00 2	3.16e+00 2	- 2.55e+00 2	-	4.95e+00 02	2.85e+00 2
1326	STL ENV_STR(al l)		Cent	Top	7.08e+00 0	8.06e+00 1	- 2.15e+00 2	2.62e+00 2	- 1.74e+00 2	-	3.80e+00 2	2.18e+00 2
			Bot	00	6.48e+00 1	7.85e+00 1	- 2.15e+00 2	2.61e+00 2	- 1.76e+00 2	-	3.81e+00 02	2.18e+00 2
1327	STL ENV_STR(al l)		Cent	Top	1.60e+00 1	8.09e+00 1	- 1.82e+00 2	2.34e+00 2	- 1.37e+00 2	-	3.24e+00 2	1.85e+00 2
			Bot	01	1.54e+00 1	7.88e+00 1	- 1.83e+00 2	2.33e+00 2	- 1.38e+00 2	-	3.25e+00 02	1.86e+00 2
1328	STL ENV_STR(al l)		Cent	Top	2.29e+00 1	8.15e+00 1	- 1.50e+00 2	2.05e+00 2	- 1.01e+00 2	-	2.70e+00 2	1.53e+00 2
			Bot	01	2.22e+00 1	7.94e+00 1	- 1.50e+00 2	2.04e+00 2	- 1.02e+00 2	-	2.70e+00 02	1.53e+00 2
1329	STL ENV_STR(al l)		Cent	Top	2.86e+00 1	8.59e+00 1	- 8.93e+00 1	1.51e+00 2	- 3.65e+00 1	-	1.72e+00 2	9.38e+00 1
			Bot	01	2.79e+00 1	8.33e+00 1	- 8.97e+00 1	1.50e+00 2	- 3.83e+00 1	-	1.72e+00 02	9.39e+00 1
1330	STL ENV_STR(al l)		Cent	Top	1.59e+00 1	1.01e+00 2	- 6.07e+00 1	1.33e+00 2	- 1.56e+00 1	-	1.41e+00 2	7.43e+00 1
			Bot	01	1.49e+00 1	9.85e+00 1	- 6.12e+00 1	1.31e+00 2	- 1.74e+00 1	-	1.40e+00 02	7.41e+00 1
1331	STL ENV_STR(al		Cent	Top	1.24e+00 0	5.09e+00 1	1.58e- 001	5.09e+00 1	1.24e+00 0	-	5.03e+00 1	2.55e+00 1

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)		Bot	6.41e-001	4.78e+001	-1.98e-001	4.78e+001	6.40e-001	-	4.75e+001	2.39e+001	
1332	STL ENV_STR(al1)		Cent	Top	4.63e+002	4.71e+001	-6.24e+002	9.13e+002	-4.03e+002	-	1.17e+003	6.58e+002
			Bot	02	4.63e+001	4.57e+001	-6.25e+002	9.13e+002	-4.04e+002	-	1.17e+003	6.59e+002
1333	STL ENV_STR(al1)		Cent	Top	4.43e+002	4.74e+001	-5.85e+002	8.63e+002	-3.73e+002	-	1.10e+003	6.18e+002
			Bot	02	4.42e+001	4.59e+001	-5.86e+002	8.62e+002	-3.74e+002	-	1.10e+003	6.18e+002
1334	STL ENV_STR(al1)		Cent	Top	4.06e+002	3.91e+001	-5.41e+002	7.95e+002	-3.49e+002	-	1.02e+003	5.72e+002
			Bot	02	4.06e+001	3.76e+001	-5.42e+002	7.94e+002	-3.50e+002	-	1.02e+003	5.72e+002
1335	STL ENV_STR(al1)		Cent	Top	3.24e+002	3.24e+001	-4.67e+002	6.68e+002	-3.11e+002	-	8.67e+002	4.90e+002
			Bot	02	3.24e+001	3.09e+001	-4.68e+002	6.68e+002	-3.13e+002	-	8.67e+002	4.90e+002
1336	STL ENV_STR(al1)		Cent	Top	2.84e+002	3.09e+001	-4.33e+002	6.09e+002	-2.94e+002	-	7.97e+002	4.51e+002
			Bot	02	2.83e+001	2.95e+001	-4.34e+002	6.08e+002	-2.95e+002	-	7.98e+002	4.52e+002
1337	STL ENV_STR(al1)		Cent	Top	2.45e+002	3.00e+001	-4.00e+002	5.52e+002	-2.77e+002	-	7.31e+002	4.14e+002
			Bot	02	2.45e+001	2.88e+001	-4.01e+002	5.52e+002	-2.78e+002	-	7.32e+002	4.15e+002
1338	STL ENV_STR(al1)		Cent	Top	1.76e+002	2.93e+001	-3.35e+002	4.46e+002	-2.41e+002	-	6.03e+002	3.43e+002
			Bot	02	1.76e+001	2.82e+001	-3.36e+002	4.46e+002	-2.42e+002	-	6.04e+002	3.44e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1339	STL ENV_STR (al1)		Cent	Top	1.46e+02	2.91e+01	-3.03e+02	3.96e+02	-2.21e+02	-	5.42e+02	3.09e+02
			Bot	02	1.45e+02	2.82e+01	-3.04e+02	3.96e+02	-2.23e+02	-	5.43e+02	3.09e+02
1340	STL ENV_STR (al1)		Cent	Top	1.18e+02	2.91e+01	-2.71e+02	3.48e+02	-2.01e+02	-	4.82e+02	2.75e+02
			Bot	02	1.18e+02	2.82e+01	-2.72e+02	3.48e+02	-2.02e+02	-	4.82e+02	2.75e+02
1341	STL ENV_STR (al1)		Cent	Top	7.21e+01	2.91e+01	-2.07e+02	2.59e+02	-1.58e+02	-	3.64e+02	2.08e+02
			Bot	01	7.19e+01	2.84e+01	-2.08e+02	2.59e+02	-1.59e+02	-	3.65e+02	2.09e+02
1342	STL ENV_STR (al1)		Cent	Top	5.34e+01	2.93e+01	-1.75e+02	2.17e+02	-1.34e+02	-	3.06e+02	1.75e+02
			Bot	01	5.32e+01	2.87e+01	-1.75e+02	2.17e+02	-1.35e+02	-	3.07e+02	1.76e+02
1343	STL ENV_STR (al1)		Cent	Top	3.72e+01	2.99e+01	-1.42e+02	1.76e+02	-1.09e+02	-	2.49e+02	1.42e+02
			Bot	01	3.71e+01	2.94e+01	-1.43e+02	1.76e+02	-1.10e+02	-	2.50e+02	1.43e+02
1344	STL ENV_STR (al1)		Cent	Top	1.01e+01	3.31e+01	-7.37e+01	9.62e+01	-5.30e+01	-	1.31e+02	7.46e+01
			Bot	01	1.01e+01	3.30e+01	-7.42e+01	9.66e+01	-5.36e+01	-	1.32e+02	7.51e+01
1345	STL ENV_STR (al1)		Cent	Top	4.81e-001	3.05e+01	-3.67e+01	5.52e+01	-2.42e+01	-	7.04e+01	3.97e+01
			Bot	001	5.57e-001	3.06e+01	-3.72e+01	5.57e+01	-2.46e+01	-	7.12e+01	4.01e+01
1346	STL ENV_STR (al1)		Cent	Top	-1.40e+00	1.70e+01	-6.57e+00	1.91e+01	-3.50e+00	-	2.11e+01	1.13e+01

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.32e+00	1.73e+00	7.18e+00	1.98e+00	3.76e+00	-	2.19e+00	1.18e+00	
1347	STL ENV_STR(al1)		Cent	Top	2.95e+00	1.80e+00	3.85e+00	3.61e+00	4.09e+00	-	6.67e+00	3.85e+00
			Bot	3.03e+00	1.83e+00	3.84e+00	3.60e+00	4.09e+00	-	6.66e+00	3.84e+00	
1348	STL ENV_STR(al1)		Cent	Top	1.12e+00	5.07e+00	4.92e+00	5.19e+00	4.67e+00	-	8.54e+00	4.93e+00
			Bot	1.10e+00	5.06e+00	4.92e+00	5.18e+00	4.67e+00	-	8.53e+00	4.92e+00	
1349	STL ENV_STR(al1)		Cent	Top	5.59e+00	3.49e+00	1.37e+00	1.41e+00	1.32e+00	-	2.37e+00	1.37e+00
			Bot	5.55e+00	3.47e+00	1.37e+00	1.41e+00	1.32e+00	-	2.37e+00	1.37e+00	
1350	STL ENV_STR(al1)		Cent	Top	2.99e+00	3.21e+00	1.48e+00	1.45e+00	1.51e+00	-	2.56e+00	1.48e+00
			Bot	3.05e+00	3.14e+00	1.48e+00	1.45e+00	1.51e+00	-	2.56e+00	1.48e+00	
1351	STL ENV_STR(al1)		Cent	Top	1.73e+00	7.74e+00	4.12e+00	1.75e+00	7.75e+00	-	8.76e+00	4.75e+00
			Bot	1.71e+00	7.76e+00	4.26e+00	1.73e+00	7.78e+00	-	8.77e+00	4.75e+00	
1352	STL ENV_STR(al1)		Cent	Top	2.73e+00	3.78e+00	6.58e+00	6.91e+00	6.26e+00	-	1.14e+00	6.58e+00
			Bot	2.53e+00	3.18e+00	6.59e+00	6.88e+00	6.31e+00	-	1.14e+00	6.59e+00	
1353	STL ENV_STR(al1)		Cent	Top	7.07e+00	2.32e+00	1.28e+00	1.33e+00	1.24e+00	-	2.22e+00	1.28e+00
			Bot	7.11e+00	2.33e+00	1.28e+00	1.33e+00	1.24e+00	-	2.22e+00	1.28e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1354	STL ENV_STR(al l)		Cent	Top	2.19e+00 1	1.81e+00 1	1.36e+00 3	1.38e+00 3	- 1.34e+00 3	-	2.36e+00 3	1.36e+00 3
			Bot	01	2.11e+00 1	1.76e+00 1	1.36e+00 3	1.38e+00 3	- 1.34e+00 3	-	2.36e+00 03	1.36e+00 3
1355	STL ENV_STR(al l)		Cent	Top	- 4.31e+00 1	- 2.07e+00 2	1.39e+00 3	1.26e+00 3	- 1.51e+00 3	-	2.41e+00 3	1.39e+00 3
			Bot	- 01	4.03e+00 01	2.05e+00 2	1.38e+00 3	1.26e+00 3	- 1.51e+00 3	-	2.41e+00 03	1.39e+00 3
1356	STL ENV_STR(al l)		Cent	Top	1.53e+00 1	- 2.81e+00 2	- 7.13e+00 2	5.96e+00 2	- 8.61e+00 2	-	1.27e+00 3	7.29e+00 2
			Bot	01	1.24e+00 01	2.87e+00 2	7.14e+00 2	5.92e+00 2	- 8.67e+00 2	-	1.27e+00 03	7.30e+00 2
1357	STL ENV_STR(al l)		Cent	Top	- 5.86e+00 1	- 9.87e+00 1	3.30e+00 2	2.52e+00 2	- 4.09e+00 2	-	5.78e+00 2	3.30e+00 2
			Bot	- 01	5.80e+00 01	9.89e+00 1	3.29e+00 2	2.51e+00 2	- 4.08e+00 2	-	5.77e+00 02	3.30e+00 2
1358	STL ENV_STR(al l)		Cent	Top	3.46e+00 1	- 7.18e+00 1	3.81e+00 2	3.66e+00 2	- 4.04e+00 2	-	6.67e+00 2	3.85e+00 2
			Bot	01	3.47e+00 01	7.16e+00 1	3.81e+00 2	3.66e+00 2	- 4.03e+00 2	-	6.66e+00 02	3.84e+00 2
1359	STL ENV_STR(al l)		Cent	Top	4.07e+00 2	- 2.54e+00 1	1.15e+00 3	1.36e+00 3	- 9.80e+00 2	-	2.04e+00 3	1.17e+00 3
			Bot	02	4.07e+00 02	2.45e+00 1	1.15e+00 3	1.36e+00 3	- 9.79e+00 2	-	2.04e+00 03	1.17e+00 3
1360	STL ENV_STR(al l)		Cent	Top	1.04e+00 3	4.02e+00 1	1.27e+00 3	1.90e+00 3	- 8.21e+00 2	-	2.42e+00 3	1.36e+00 3
			Bot	03	1.04e+00 03	4.06e+00 1	1.26e+00 3	1.90e+00 3	- 8.20e+00 2	-	2.42e+00 03	1.36e+00 3
1361	STL ENV_STR(al l)		Cent	Top	1.66e+00 3	3.65e+00 1	- 4.71e+00 1	1.66e+00 3	3.51e+00 1	-	1.64e+00 3	8.30e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.66e+03	3.64e+01	-4.96e+01	1.66e+03	3.49e+01	-	1.64e+03	8.30e+02	
1362	STL ENV_STR(al1)		Cent	Top	-	-	9.89e+02	8.97e+02	-	-	1.72e+03	9.91e+02
			Bot	-	2.36e+01	1.63e+02	9.88e+02	8.97e+02	-	1.08e+03	1.72e+03	9.91e+02
1363	STL ENV_STR(al1)		Cent	Top	7.53e+02	1.15e+02	1.11e+03	1.59e+03	-	7.19e+02	2.04e+03	1.15e+03
			Bot	7.52e+02	1.17e+02	1.11e+03	1.59e+03	-	7.17e+02	-	2.04e+03	1.15e+03
1364	STL ENV_STR(al1)		Cent	Top	1.41e+03	2.43e+02	1.08e+03	2.05e+03	-	4.00e+02	2.28e+03	1.23e+03
			Bot	1.41e+03	2.41e+02	1.08e+03	2.05e+03	-	4.00e+02	-	2.28e+03	1.23e+03
1365	STL ENV_STR(al1)		Cent	Top	1.74e+03	6.77e+01	-4.06e+02	1.84e+03	-	2.56e+01	1.85e+03	9.31e+02
			Bot	1.74e+03	7.03e+01	-4.08e+02	1.84e+03	-	2.39e+01	-	1.85e+03	9.31e+02
1366	STL ENV_STR(al1)		Cent	Top	9.94e+01	6.39e+01	-5.20e+02	6.02e+02	-	4.39e+02	9.05e+02	5.20e+02
			Bot	9.84e+01	6.01e+01	-5.20e+02	6.00e+02	-	4.42e+02	-	9.06e+02	5.21e+02
1367	STL ENV_STR(al1)		Cent	Top	7.19e+01	5.55e+01	-3.84e+02	4.48e+02	-	3.20e+02	6.68e+02	3.84e+02
			Bot	7.13e+01	5.33e+01	-3.84e+02	4.47e+02	-	3.22e+02	-	6.69e+02	3.85e+02
1368	STL ENV_STR(al1)		Cent	Top	4.52e+01	5.47e+01	-2.50e+02	3.00e+02	-	2.00e+02	4.36e+02	2.50e+02
			Bot	4.48e+01	5.32e+01	-2.51e+02	3.00e+02	-	2.02e+02	-	4.37e+02	2.51e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1369	STL ENV_STR(al l)		Cent	Top	2.44e+00 1	5.78e+00 1	- 1.17e+00 2	1.59e+00 2	- 7.70e+00 1	-	2.09e+00 2	1.18e+00 2
			Bot	01	2.40e+00 1	5.65e+00 1	- 1.17e+00 2	1.59e+00 2	- 7.83e+00 1	-	2.09e+00 2	1.19e+00 2
1370	STL ENV_STR(al l)		Cent	Top	1.00e+00 3	2.65e+00 1	- 6.69e+00 2	1.34e+00 3	- 3.13e+00 2	-	1.52e+00 3	8.28e+00 2
			Bot	03	1.00e+00 3	3.05e+00 1	- 6.69e+00 2	1.34e+00 3	- 3.10e+00 2	-	1.52e+00 3	8.27e+00 2
1371	STL ENV_STR(al l)		Cent	Top	6.32e+00 2	6.35e+00 0	- 4.56e+00 2	8.72e+00 2	- 2.34e+00 2	-	1.01e+00 3	5.53e+00 2
			Bot	02	6.32e+00 0	6.98e+00 0	- 4.56e+00 2	8.72e+00 2	- 2.33e+00 2	-	1.01e+00 3	5.53e+00 2
1372	STL ENV_STR(al l)		Cent	Top	3.43e+00 2	5.22e+00 0	- 3.31e+00 2	5.45e+00 2	- 1.97e+00 2	-	6.66e+00 2	3.71e+00 2
			Bot	02	3.43e+00 0	5.11e+00 0	- 3.31e+00 2	5.46e+00 2	- 1.98e+00 2	-	6.67e+00 2	3.72e+00 2
1373	STL ENV_STR(al l)		Cent	Top	1.39e+00 2	5.15e+00 0	- 2.15e+00 2	2.97e+00 2	- 1.53e+00 2	-	3.96e+00 2	2.25e+00 2
			Bot	02	1.39e+00 0	5.09e+00 0	- 2.15e+00 2	2.97e+00 2	- 1.53e+00 2	-	3.97e+00 2	2.25e+00 2
1374	STL ENV_STR(al l)		Cent	Top	1.96e+00 1	5.33e+00 0	- 9.66e+00 1	1.09e+00 2	- 8.44e+00 1	-	1.68e+00 2	9.69e+00 1
			Bot	01	1.98e+00 0	5.97e+00 0	- 9.69e+00 1	1.10e+00 2	- 8.43e+00 1	-	1.69e+00 2	9.72e+00 1
1375	STL ENV_STR(al l)		Cent	Top	6.39e+00 1	7.45e+00 1	- 6.18e+00 2	6.87e+00 2	- 5.48e+00 2	-	1.07e+00 3	6.18e+00 2
			Bot	01	6.23e+00 1	6.90e+00 1	- 6.18e+00 2	6.84e+00 2	- 5.53e+00 2	-	1.07e+00 3	6.18e+00 2
1376	STL ENV_STR(al l)		Cent	Top	8.83e+00 1	7.72e+00 1	- 5.88e+00 2	6.70e+00 2	- 5.05e+00 2	-	1.02e+00 3	5.88e+00 2



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	8.69e+001	7.24e+001	-5.88e+002	6.68e+002	-5.09e+002	-	1.02e+003	5.88e+002	
1377	STL ENV_STR(al1)		Cent	Top	9.91e+001	7.00e+001	-5.55e+002	6.39e+002	-4.70e+002	-	9.65e+002	5.55e+002
			Bot	01	9.79e+001	6.58e+001	-5.55e+002	6.37e+002	-4.73e+002	-	9.65e+002	5.55e+002
1378	STL ENV_STR(al1)		Cent	Top	9.46e+001	6.00e+001	-4.85e+002	5.63e+002	-4.09e+002	-	8.45e+002	4.86e+002
			Bot	01	9.37e+001	5.67e+001	-4.86e+002	5.62e+002	-4.11e+002	-	8.46e+002	4.86e+002
1379	STL ENV_STR(al1)		Cent	Top	8.75e+001	5.77e+001	-4.51e+002	5.24e+002	-3.79e+002	-	7.86e+002	4.52e+002
			Bot	01	8.67e+001	5.48e+001	-4.52e+002	5.23e+002	-3.81e+002	-	7.86e+002	4.52e+002
1380	STL ENV_STR(al1)		Cent	Top	7.97e+001	5.63e+001	-4.18e+002	4.86e+002	-3.50e+002	-	7.27e+002	4.18e+002
			Bot	01	7.90e+001	5.38e+001	-4.18e+002	4.85e+002	-3.52e+002	-	7.27e+002	4.18e+002
1381	STL ENV_STR(al1)		Cent	Top	6.44e+001	5.51e+001	-3.50e+002	4.10e+002	-2.91e+002	-	6.10e+002	3.50e+002
			Bot	01	6.38e+001	5.31e+001	-3.51e+002	4.09e+002	-2.92e+002	-	6.11e+002	3.51e+002
1382	STL ENV_STR(al1)		Cent	Top	5.74e+001	5.48e+001	-3.17e+002	3.73e+002	-2.61e+002	-	5.52e+002	3.17e+002
			Bot	01	5.69e+001	5.31e+001	-3.17e+002	3.72e+002	-2.62e+002	-	5.53e+002	3.17e+002
1383	STL ENV_STR(al1)		Cent	Top	5.10e+001	5.47e+001	-2.84e+002	3.36e+002	-2.31e+002	-	4.94e+002	2.84e+002
			Bot	01	5.06e+001	5.31e+001	-2.84e+002	3.36e+002	-2.32e+002	-	4.95e+002	2.84e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1384	STL ENV_STR(al l)		Cent	Top	3.99e+00 1	5.48e+00 1	- 2.17e+00 2	2.64e+00 2	- 1.70e+00 2	-	3.79e+00 2	2.17e+00 2
			Bot	01	3.95e+00 1	5.34e+00 1	- 2.17e+00 2	2.64e+00 2	- 1.71e+00 2	-	3.79e+00 02	2.17e+00 2
1385	STL ENV_STR(al l)		Cent	Top	3.49e+00 1	5.51e+00 1	- 1.83e+00 2	2.29e+00 2	- 1.39e+00 2	-	3.21e+00 2	1.84e+00 2
			Bot	01	3.45e+00 1	5.37e+00 1	- 1.84e+00 2	2.28e+00 2	- 1.40e+00 2	-	3.22e+00 02	1.84e+00 2
1386	STL ENV_STR(al l)		Cent	Top	3.00e+00 1	5.58e+00 1	- 1.50e+00 2	1.93e+00 2	- 1.08e+00 2	-	2.64e+00 2	1.51e+00 2
			Bot	01	2.96e+00 1	5.45e+00 1	- 1.51e+00 2	1.93e+00 2	- 1.09e+00 2	-	2.65e+00 02	1.51e+00 2
1387	STL ENV_STR(al l)		Cent	Top	1.56e+00 1	6.20e+00 1	- 8.32e+00 1	1.25e+00 2	- 4.75e+00 1	-	1.54e+00 2	8.63e+00 1
			Bot	01	1.52e+00 1	6.06e+00 1	- 8.37e+00 1	1.25e+00 2	- 4.88e+00 1	-	1.55e+00 02	8.68e+00 1
1388	STL ENV_STR(al l)		Cent	Top	2.36e+00 0	6.20e+00 1	- 4.40e+00 1	8.54e+00 1	- 2.10e+00 1	-	9.75e+00 1	5.32e+00 1
			Bot	00	1.96e+00 1	6.06e+00 1	- 4.45e+00 1	8.46e+00 1	- 2.20e+00 1	-	9.75e+00 01	5.33e+00 1
1389	STL ENV_STR(al l)		Cent	Top	- 2.39e+00 0	3.30e+00 1	- 3.88e+00 0	3.34e+00 1	- 2.81e+00 0	-	3.49e+00 1	1.81e+00 1
			Bot	00	2.57e+00 00	3.16e+00 1	- 4.49e+00 0	3.22e+00 1	- 3.15e+00 0	-	3.38e+00 01	1.77e+00 1
1390	STL ENV_STR(al l)		Cent	Top	9.06e+00 2	1.09e+00 0	- 5.80e+00 2	1.19e+00 3	- 2.82e+00 2	-	1.35e+00 3	7.36e+00 2
			Bot	02	9.07e+00 02	3.55e+00 0	- 5.81e+00 2	1.19e+00 3	- 2.80e+00 2	-	1.35e+00 03	7.36e+00 2
1391	STL ENV_STR(al l)		Cent	Top	8.08e+00 2	1.14e+00 1	- 5.38e+00 2	1.08e+00 3	- 2.60e+00 2	-	1.23e+00 3	6.69e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	8.09e+02	1.30e+01	-5.38e+02	1.08e+03	-2.59e+02	-	1.23e+03	6.70e+02	
1392	STL ENV_STR(al1)		Cent	Top	7.17e+02	5.37e+00	-4.92e+02	9.68e+02	-2.46e+02	-	1.11e+03	6.07e+02
			Bot	7.17e+02	6.45e+00	-4.93e+02	9.69e+02	-2.46e+02	-	1.11e+03	6.07e+02	
1393	STL ENV_STR(al1)		Cent	Top	5.52e+02	5.31e+00	-4.22e+02	7.81e+02	-2.24e+02	-	9.14e+02	5.02e+02
			Bot	5.52e+02	5.64e+00	-4.22e+02	7.82e+02	-2.24e+02	-	9.14e+02	5.03e+02	
1394	STL ENV_STR(al1)		Cent	Top	4.77e+02	5.39e+00	-3.90e+02	6.97e+02	-2.15e+02	-	8.26e+02	4.56e+02
			Bot	4.77e+02	5.50e+00	-3.91e+02	6.98e+02	-2.15e+02	-	8.26e+02	4.56e+02	
1395	STL ENV_STR(al1)		Cent	Top	4.07e+02	5.21e+00	-3.60e+02	6.19e+02	-2.06e+02	-	7.43e+02	4.12e+02
			Bot	4.07e+02	5.18e+00	-3.60e+02	6.19e+02	-2.06e+02	-	7.44e+02	4.13e+02	
1396	STL ENV_STR(al1)		Cent	Top	2.84e+02	5.18e+00	-3.01e+02	4.77e+02	-1.88e+02	-	5.93e+02	3.32e+02
			Bot	2.84e+02	5.04e+00	-3.02e+02	4.77e+02	-1.88e+02	-	5.94e+02	3.33e+02	
1397	STL ENV_STR(al1)		Cent	Top	2.30e+02	5.18e+00	-2.73e+02	4.13e+02	-1.77e+02	-	5.24e+02	2.95e+02
			Bot	2.30e+02	5.04e+00	-2.73e+02	4.13e+02	-1.78e+02	-	5.25e+02	2.95e+02	
1398	STL ENV_STR(al1)		Cent	Top	1.82e+02	5.17e+00	-2.44e+02	3.53e+02	-1.66e+02	-	4.59e+02	2.59e+02
			Bot	1.82e+02	5.05e+00	-2.44e+02	3.53e+02	-1.66e+02	-	4.59e+02	2.60e+02	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1399	STL ENV_STR(al l)		Cent	Top	1.01e+00 2	5.13e+00 0	- 1.86e+00 2	2.45e+00 2	- 1.39e+00 2	-	3.37e+00 2	1.92e+00 2
			Bot	1.01e+00 02	5.15e+00 0	- 1.86e+00 2	2.45e+00 2	- 1.39e+00 2	-	3.37e+00 02	1.92e+00 2	
1400	STL ENV_STR(al l)		Cent	Top	6.85e+00 1	5.10e+00 0	- 1.57e+00 2	1.97e+00 2	- 1.23e+00 2	-	2.79e+00 2	1.60e+00 2
			Bot	6.86e+00 01	5.27e+00 0	- 1.57e+00 2	1.97e+00 2	- 1.23e+00 2	-	2.80e+00 02	1.60e+00 2	
1401	STL ENV_STR(al l)		Cent	Top	4.14e+00 1	5.14e+00 0	- 1.27e+00 2	1.52e+00 2	- 1.05e+00 2	-	2.24e+00 2	1.28e+00 2
			Bot	4.15e+00 01	5.49e+00 0	- 1.28e+00 2	1.52e+00 2	- 1.05e+00 2	-	2.24e+00 02	1.29e+00 2	
1402	STL ENV_STR(al l)		Cent	Top	4.10e+00 0	5.65e+00 0	- 6.45e+00 1	6.94e+00 1	- 5.97e+00 1	-	1.12e+00 2	6.45e+00 1
			Bot	4.34e+00 00	6.61e+00 0	- 6.48e+00 1	7.03e+00 1	- 5.94e+00 1	-	1.12e+00 02	6.49e+00 1	
1403	STL ENV_STR(al l)		Cent	Top	- 3.69e+00 0	5.02e+00 0	- 3.30e+00 1	3.39e+00 1	- 3.26e+00 1	-	5.76e+00 1	3.33e+00 1
			Bot	- 3.15e+00 00	6.57e+00 0	- 3.33e+00 1	3.54e+00 1	- 3.19e+00 1	-	5.83e+00 01	3.36e+00 1	
1404	STL ENV_STR(al l)		Cent	Top	- 3.61e+00 0	1.20e+00 0	- 9.09e+00 0	8.20e+00 0	- 1.06e+00 1	-	1.63e+00 1	9.41e+00 0
			Bot	- 3.06e+00 00	3.43e+00 0	- 9.38e+00 0	1.01e+00 1	- 9.74e+00 0	-	1.72e+00 01	9.92e+00 0	
1405	STL ENV_STR(al l)		Cent	Top	- 6.84e+00 2	- 9.23e+00 2	- 6.23e+00 2	- 1.70e+00 2	- 1.44e+00 3	-	1.36e+00 3	7.19e+00 2
			Bot	- 6.81e+00 02	- 9.24e+00 2	- 6.23e+00 2	- 1.69e+00 2	- 1.44e+00 3	-	1.36e+00 03	7.19e+00 2	
1406	STL ENV_STR(al l)		Cent	Top	7.43e+00 2	- 1.73e+00 2	3.49e+00 2	8.61e+00 2	- 2.90e+00 2	-	1.04e+00 3	5.76e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	7.46e+002	-1.71e+002	3.47e+002	8.63e+002	-2.87e+002	-	1.04e+003	5.75e+002	
1407	STL ENV_STR (al1)		Cent	Top	8.08e+001	-5.40e+002	4.77e+002	3.40e+002	-7.99e+002	-	1.01e+003	5.69e+002
			Bot	8.48e+001	-5.39e+002	4.76e+002	3.42e+002	-7.96e+002	-	1.01e+003	5.69e+002	
1408	STL ENV_STR (al1)		Cent	Top	1.52e+003	1.62e+002	1.90e+002	1.55e+003	1.36e+002	-	1.48e+003	7.74e+002
			Bot	1.52e+003	1.62e+002	1.88e+002	1.55e+003	1.36e+002	-	1.48e+003	7.74e+002	
1409	STL ENV_STR (al1)		Cent	Top	-6.62e+002	9.74e+002	6.43e+002	1.56e+002	1.48e+003	-	1.41e+003	7.40e+002
			Bot	-6.66e+002	9.85e+002	6.43e+002	1.63e+002	1.49e+003	-	1.41e+003	7.44e+002	
1410	STL ENV_STR (al1)		Cent	Top	-5.12e+002	8.73e+000	-6.28e+002	4.28e+002	-9.32e+002	-	1.20e+003	6.80e+002
			Bot	-5.16e+002	2.74e+000	6.29e+002	4.19e+002	-9.38e+002	-	1.20e+003	6.79e+002	
1411	STL ENV_STR (al1)		Cent	Top	7.90e+002	3.01e+002	3.93e+002	9.16e+002	4.28e+002	-	1.19e+003	6.72e+002
			Bot	7.88e+002	3.02e+002	3.95e+002	9.16e+002	4.30e+002	-	1.19e+003	6.73e+002	
1412	STL ENV_STR (al1)		Cent	Top	5.54e+002	-7.43e+001	-6.86e+002	9.95e+002	-5.15e+002	-	1.33e+003	7.55e+002
			Bot	5.53e+002	-7.58e+001	-6.87e+002	9.94e+002	-5.17e+002	-	1.33e+003	7.56e+002	
1413	STL ENV_STR (al1)		Cent	Top	1.17e+002	-6.15e+002	5.12e+002	3.81e+002	-8.78e+002	-	1.12e+003	6.30e+002
			Bot	1.14e+002	-6.20e+002	5.13e+002	3.78e+002	-8.83e+002	-	1.12e+003	6.31e+002	
141	STL ENV_STR (al1)		Cent	Top	-7.77e+000	-5.81e+000	-7.15e+000	6.83e+000	-7.48e+000	-	1.24e+000	7.16e+000

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
4	1)		t		0	1	2	2	2		3	2		
			Bot	1.02e+001	6.43e+001	7.16e+002	6.79e+002	7.54e+002	-	1.24e+003	7.16e+002			
1415	STL ENV_STR(al1)		Cent	Top	1.23e+003	-	1.57e+002	3.31e+002	1.31e+003	-	2.32e+002	-	1.44e+003	7.69e+002
			Bot	1.23e+003	-	1.54e+002	3.33e+002	1.31e+003	-	2.30e+002	-	1.44e+003	7.69e+002	
1416	STL ENV_STR(al1)		Cent	Top	6.73e+002	-	1.10e+002	4.82e+002	9.02e+002	-	3.39e+002	-	1.11e+003	6.21e+002
			Bot	6.74e+002	-	1.08e+002	4.82e+002	9.03e+002	-	3.38e+002	-	1.11e+003	6.20e+002	
1417	STL ENV_STR(al1)		Cent	Top	3.79e+002	2.49e+002	1.18e+002	4.49e+002	1.79e+002	-	3.91e+002	2.24e+002		
			Bot	7.00e+001	1.91e+001	1.12e+002	9.50e+001	1.46e+002	-	2.10e+002	1.20e+002			
1418	STL ENV_STR(al1)		Cent	Top	-	4.19e+000	5.19e+001	7.42e+001	4.99e+001	-	1.06e+002	-	1.38e+002	7.80e+001
			Bot	2.09e+000	-	1.20e+000	7.17e+000	1.66e+000	1.20e+002	-	1.19e+002	6.01e+001		
1419	STL ENV_STR(al1)		Cent	Top	1.21e+002	1.69e+002	-	1.95e+002	3.42e+002	-	5.16e+001	-	3.71e+002	1.97e+002
			Bot	1.44e+002	3.33e+002	-	1.24e+002	3.94e+002	8.30e+001	-	3.60e+002	1.97e+002		
1420	STL ENV_STR(al1)		Cent	Top	3.47e+000	7.44e+002	2.40e+001	7.45e+002	2.70e+000	-	7.44e+002	3.72e+002		
			Bot	7.96e+000	4.85e+002	-	1.26e+002	5.15e+002	3.81e+001	-	5.35e+002	2.77e+002		
1421	STL ENV_STR(al1)		Cent	Top	5.05e+002	-	4.60e+001	2.21e+002	5.83e+002	-	1.24e+002	-	6.53e+002	3.53e+002
			Bot	2.25e+001	1.65e+002	1.93e+002	3.00e+002	-	1.12e+002	-	3.69e+002	2.06e+002		

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1422	STL ENV_STR(al l)		Cent	Top	9.65e+00 1	6.70e+00 2	2.95e+00 2	7.95e+00 2	- 2.84e+00 1	-	8.10e+00 2	4.12e+00 2
			Bot	1.20e+00 01	6.05e+00 2	3.50e+00 2	7.62e+00 2	- 1.70e+00 2	-	8.60e+00 02	4.66e+00 2	
1423	STL ENV_STR(al l)		Cent	Top	- 9.06e+00 0	2.02e+00 2	1.59e+00 1	2.03e+00 2	- 1.03e+00 1	-	2.08e+00 2	1.07e+00 2
			Bot	1.11e+00 01	5.72e+00 2	- 6.79e+00 1	5.80e+00 2	3.01e+00 0	-	5.79e+00 02	2.90e+00 2	
1424	STL ENV_STR(al l)		Cent	Top	- 2.14e+00 1	6.14e+00 2	3.17e+00 1	6.16e+00 2	- 2.30e+00 1	-	6.28e+00 2	3.19e+00 2
			Bot	1.16e+00 02	1.26e+00 3	- 4.13e+00 1	1.26e+00 3	1.14e+00 2	-	1.21e+00 03	6.32e+00 2	
1425	STL ENV_STR(al l)		Cent	Top	4.47e+00 2	4.48e+00 2	2.52e+00 2	7.00e+00 2	1.96e+00 2	-	6.25e+00 2	3.50e+00 2
			Bot	- 1.74e+00 02	2.33e+00 2	3.09e+00 2	3.99e+00 2	- 3.40e+00 2	-	6.41e+00 02	3.70e+00 2	
1426	STL ENV_STR(al l)		Cent	Top	- 4.28e+00 1	8.23e+00 2	2.89e+00 2	9.10e+00 2	- 1.30e+00 2	-	9.82e+00 2	5.20e+00 2
			Bot	1.19e+00 02	1.05e+00 3	3.31e+00 2	1.16e+00 3	1.32e+00 1	-	1.15e+00 03	5.78e+00 2	
1427	STL ENV_STR(al l)		Cent	Top	6.65e+00 1	1.24e+00 2	9.24e+00 1	1.92e+00 2	- 1.42e+00 0	-	1.93e+00 2	9.68e+00 1
			Bot	3.63e+00 01	1.59e+00 1	4.25e+00 1	6.98e+00 1	- 1.76e+00 1	-	8.01e+00 01	4.37e+00 1	
1428	STL ENV_STR(al l)		Cent	Top	2.09e+00 2	2.09e+00 2	- 1.14e+00 2	3.23e+00 2	9.44e+00 1	-	2.88e+00 2	1.62e+00 2
			Bot	3.35e+00 01	4.72e+00 1	- 7.97e+00 1	1.20e+00 2	- 3.96e+00 1	-	1.44e+00 02	8.00e+00 1	
1429	STL ENV_STR(al l)		Cent	Top	1.78e+00 2	- 6.26e+00 1	- 2.54e+00 2	3.38e+00 2	- 2.23e+00 2	-	4.90e+00 2	2.81e+00 2
			Bot	2.20e+00	3.32e+00	- 2.19e+00	5.02e+00	5.03e+00	-	4.78e+00	2.51e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	2	2	2	1		02	2	
1430	STL ENV_STR(al l)		Cent	Top	1.15e+00 2	7.24e+00 2	- 1.86e+00 2	7.77e+00 2	6.28e+00 1	-	7.47e+00 2	3.88e+00 2
			Bot	-	5.29e+00 01	5.52e+00 2	- 2.91e+00 2	6.69e+00 2	- 1.70e+00 2	-	7.68e+00 02	4.20e+00 2
1431	STL ENV_STR(al l)		Cent	Top	8.59e+00 1	- 1.54e+00 1	2.32e+00 2	2.72e+00 2	- 2.02e+00 2	-	4.12e+00 2	2.37e+00 2
			Bot	2.33e+00 02	3.84e+00 2	2.06e+00 2	5.28e+00 2	8.91e+00 1	-	4.89e+00 02	2.64e+00 2	
1432	STL ENV_STR(al l)		Cent	Top	6.59e+00 1	7.72e+00 2	8.72e+00 1	7.82e+00 2	5.53e+00 1	-	7.56e+00 2	3.91e+00 2
			Bot	-	3.58e+00 01	5.14e+00 2	2.20e+00 2	5.91e+00 2	- 1.13e+00 2	-	6.55e+00 02	3.52e+00 2
1433	STL ENV_STR(al l)		Cent	Top	1.54e+00 2	3.49e+00 2	- 1.27e+00 2	4.12e+00 2	9.08e+00 1	-	3.75e+00 2	2.06e+00 2
			Bot	5.74e+00 01	4.09e+00 2	- 2.04e+00 2	5.03e+00 2	- 3.65e+00 1	-	5.22e+00 02	2.70e+00 2	
1434	STL ENV_STR(al l)		Cent	Top	- 5.33e+00 1	7.76e+00 2	- 1.62e+00 2	8.06e+00 2	- 8.38e+00 1	-	8.51e+00 2	4.45e+00 2
			Bot	1.27e+00 02	1.08e+00 03	- 2.84e+00 2	1.16e+00 03	4.94e+00 1	-	1.14e+00 03	5.80e+00 2	
1435	STL ENV_STR(al l)		Cent	Top	3.39e+00 1	2.80e+00 2	4.13e+00 1	2.87e+00 2	2.71e+00 1	-	2.74e+00 2	1.43e+00 2
			Bot	9.89e+00 01	5.53e+00 2	1.03e+00 2	5.76e+00 2	7.67e+00 1	-	5.41e+00 02	2.88e+00 2	
1436	STL ENV_STR(al l)		Cent	Top	- 2.59e+00 1	7.11e+00 2	2.29e+00 1	7.12e+00 2	- 2.66e+00 1	-	7.25e+00 2	3.69e+00 2
			Bot	1.12e+00 02	1.11e+00 03	1.83e+00 2	1.15e+00 03	7.94e+00 1	-	1.11e+00 03	5.74e+00 2	
1437	STL ENV_STR(al l)		Cent	Top	2.09e+00 2	2.09e+00 2	1.14e+00 2	3.23e+00 2	9.44e+00 1	-	2.88e+00 2	1.62e+00 2
			Bot	3.36e+00 01	4.82e+00 1	8.18e+00 1	1.23e+00 2	- 4.13e+00 1	-	1.48e+00 02	8.21e+00 1	



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1438	STL ENV_STR(al l)		Cent	Top	6.66e+00 1	1.24e+00 2	- 9.31e+00 1	1.93e+00 2	- 1.96e+00 0	-	1.94e+00 2	9.75e+00 1
			Bot	01	3.61e+00 1	1.41e+00 1	- 4.06e+00 1	6.72e+00 1	- 1.70e+00 1	-	7.71e+00 01	4.21e+00 1
1439	STL ENV_STR(al l)		Cent	Top	8.57e+00 1	- 1.88e+00 1	- 2.32e+00 2	2.71e+00 2	- 2.04e+00 2	-	4.13e+00 2	2.38e+00 2
			Bot	02	2.33e+00 02	3.83e+00 2	- 2.04e+00 2	5.26e+00 2	9.05e+00 1	-	4.87e+00 02	2.63e+00 2
1440	STL ENV_STR(al l)		Cent	Top	6.57e+00 1	7.67e+00 2	- 8.74e+00 1	7.78e+00 2	5.50e+00 1	-	7.52e+00 2	3.89e+00 2
			Bot	01	3.64e+00 01	5.10e+00 2	- 2.18e+00 2	5.86e+00 2	- 1.12e+00 2	-	6.50e+00 02	3.49e+00 2
1441	STL ENV_STR(al l)		Cent	Top	1.78e+00 2	- 6.06e+00 1	2.54e+00 2	3.39e+00 2	- 2.22e+00 2	-	4.89e+00 2	2.81e+00 2
			Bot	02	2.20e+00 02	3.32e+00 2	2.21e+00 2	5.04e+00 2	4.85e+00 1	-	4.81e+00 02	2.52e+00 2
1442	STL ENV_STR(al l)		Cent	Top	1.15e+00 2	7.27e+00 2	1.86e+00 2	7.79e+00 2	6.33e+00 1	-	7.49e+00 2	3.89e+00 2
			Bot	01	5.25e+00 01	5.54e+00 2	2.93e+00 2	6.72e+00 2	- 1.71e+00 2	-	7.72e+00 02	4.22e+00 2
1443	STL ENV_STR(al l)		Cent	Top	3.39e+00 1	2.77e+00 2	- 4.15e+00 1	2.84e+00 2	2.70e+00 1	-	2.72e+00 2	1.42e+00 2
			Bot	01	9.88e+00 01	5.50e+00 2	- 1.01e+00 2	5.71e+00 2	7.72e+00 1	-	5.37e+00 02	2.86e+00 2
1444	STL ENV_STR(al l)		Cent	Top	- 2.64e+00 1	7.11e+00 2	- 2.83e+00 1	7.12e+00 2	- 2.74e+00 1	-	7.26e+00 2	3.70e+00 2
			Bot	02	1.09e+00 02	1.11e+00 3	- 1.85e+00 2	1.14e+00 3	7.62e+00 1	-	1.11e+00 03	5.71e+00 2
1445	STL ENV_STR(al l)		Cent	Top	1.54e+00 2	3.51e+00 2	1.28e+00 2	4.14e+00 2	9.09e+00 1	-	3.76e+00 2	2.07e+00 2
			Bot	01	5.74e+00 01	4.11e+00 2	2.07e+00 2	5.06e+00 2	- 3.76e+00	-	5.26e+00 02	2.72e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
								1				
1446	STL ENV_STR(al l)		Cent	Top	- 5.30e+00 1	7.76e+00 2	1.56e+00 2	8.04e+00 2	- 8.15e+00 1	-	8.48e+00 2	4.43e+00 2
			Bot	1.29e+0 02	1.09e+00 3	2.82e+00 2	1.16e+00 3	5.21e+00 1	-	1.14e+0 03	5.81e+00 2	
1447	STL ENV_STR(al l)		Cent	Top	- 4.03e+00 0	- 5.14e+00 1	7.30e+00 1	4.90e+00 1	- 1.04e+00 2	-	1.36e+00 2	7.67e+00 1
			Bot	- 2.08e+0 00	- 1.17e+00 2	8.65e+00 0	- 1.43e+00 0	- 1.18e+00 2	-	1.17e+0 02	5.89e+00 1	
1448	STL ENV_STR(al l)		Cent	Top	3.79e+00 2	2.49e+00 2	- 1.18e+00 2	4.49e+00 2	1.79e+00 2	-	3.91e+00 2	2.24e+00 2
			Bot	- 7.00e+0 01	1.88e+00 1	- 1.10e+00 2	9.27e+00 1	- 1.44e+00 2	-	2.06e+0 02	1.18e+00 2	
1449	STL ENV_STR(al l)		Cent	Top	5.05e+00 2	- 4.67e+00 1	- 2.21e+00 2	5.82e+00 2	- 1.24e+00 2	-	6.53e+00 2	3.53e+00 2
			Bot	2.26e+0 01	1.65e+00 2	- 1.91e+00 2	2.98e+00 2	- 1.10e+00 2	-	3.65e+0 02	2.04e+00 2	
1450	STL ENV_STR(al l)		Cent	Top	9.59e+00 1	6.69e+00 2	- 2.95e+00 2	7.94e+00 2	- 2.90e+00 1	-	8.09e+00 2	4.12e+00 2
			Bot	- 1.16e+0 01	6.04e+00 2	- 3.48e+00 2	7.60e+00 2	- 1.68e+00 2	-	8.57e+0 02	4.64e+00 2	
1451	STL ENV_STR(al l)		Cent	Top	1.22e+00 2	1.75e+00 2	1.95e+00 2	3.45e+00 2	- 4.86e+00 1	-	3.72e+00 2	1.97e+00 2
			Bot	1.43e+0 02	3.33e+00 2	1.24e+00 2	3.94e+00 2	8.20e+00 1	-	3.60e+0 02	1.97e+00 2	
1452	STL ENV_STR(al l)		Cent	Top	3.23e+00 0	7.50e+00 2	- 2.48e+00 1	7.51e+00 2	2.40e+00 0	-	7.50e+00 2	3.75e+00 2
			Bot	- 7.87e+0 00	4.91e+00 2	1.27e+00 2	5.22e+00 2	- 3.83e+00 1	-	5.42e+0 02	2.80e+00 2	
1453	STL ENV_STR(al l)		Cent	Top	4.47e+00 2	4.48e+00 2	- 2.52e+00 2	6.99e+00 2	1.96e+00 2	-	6.25e+00 2	3.49e+00 2

Element	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.74e+002	2.32e+002	3.07e+002	3.97e+002	3.39e+002	-	6.38e+002	3.68e+002	
1454	STL ENV_STR (al1)		Cent	Top	4.35e+001	8.22e+002	2.95e+002	9.13e+002	1.34e+002	-	9.87e+002	5.24e+002
			Bot	1.19e+002	1.05e+003	3.33e+002	1.16e+003	1.22e+001	-	1.15e+003	5.78e+002	
1455	STL ENV_STR (al1)		Cent	Top	9.00e+000	2.06e+002	1.66e+001	2.07e+002	1.03e+001	-	2.13e+002	1.09e+002
			Bot	1.11e+001	5.77e+002	6.92e+001	5.86e+002	2.74e+000	-	5.84e+002	2.93e+002	
1456	STL ENV_STR (al1)		Cent	Top	2.04e+001	6.16e+002	3.56e+001	6.18e+002	2.24e+001	-	6.30e+002	3.20e+002
			Bot	1.19e+002	1.27e+003	3.99e+001	1.28e+003	1.17e+002	-	1.22e+003	6.38e+002	
1457	STL ENV_STR (al1)		Cent	Top	6.99e+002	7.41e+001	1.10e+002	7.18e+002	5.55e+001	-	6.92e+002	3.59e+002
			Bot	1.09e+003	1.80e+002	2.16e+002	1.31e+002	1.13e+003	-	1.08e+003	5.67e+002	
1458	STL ENV_STR (al1)		Cent	Top	4.64e+002	1.57e+003	2.48e+002	4.11e+002	1.62e+003	-	1.46e+003	8.12e+002
			Bot	3.94e+002	1.53e+003	4.94e+002	1.72e+003	2.09e+002	-	1.62e+003	8.59e+002	
1459	STL ENV_STR (al1)		Cent	Top	1.20e+001	5.94e+002	7.71e+002	1.13e+003	5.21e+002	-	1.46e+003	8.24e+002
			Bot	6.53e+001	6.24e+002	1.48e+002	2.85e+001	6.61e+002	-	6.47e+002	3.30e+002	
1460	STL ENV_STR (al1)		Cent	Top	2.09e+002	4.32e+002	4.07e+002	1.01e+002	7.42e+002	-	7.97e+002	4.21e+002
			Bot	2.06e+002	1.66e+002	4.78e+001	2.12e+002	1.72e+002	-	3.34e+002	1.92e+002	
1461	STL ENV_STR (al1)		Cent	Top	3.60e+002	1.48e+002	3.45e+000	6.15e+002	1.07e+000	-	6.75e+002	3.61e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)						2		2			
			Bot		7.99e+00	8.99e+00	1.72e+00	2.66e+00	8.35e+00	-	8.48e+00	4.31e+00
1462	STL ENV_STR (al1)		Cent	Top	2.91e+00	-	2.46e+00	4.09e+00	5.12e+00	-	4.67e+00	8.48e+00
			Bot		3.28e+00	3.80e+00	2.96e+00	5.68e+00	6.51e+00	-	6.24e+00	3.25e+00
1463	STL ENV_STR (al1)		Cent	Top	1.80e+00	5.39e+00	2.23e+00	1.79e+00	5.41e+00	-	4.77e+00	2.70e+00
			Bot		8.36e+00	2.41e+00	3.44e+00	5.15e+00	1.90e+00	-	6.32e+00	3.53e+00
1464	STL ENV_STR (al1)		Cent	Top	6.38e+00	-	3.21e+00	2.04e+00	1.52e+00	-	4.09e+00	5.02e+00
			Bot		4.42e+00	6.12e+00	1.03e+00	2.61e+00	6.30e+00	-	6.17e+00	3.15e+00
1465	STL ENV_STR (al1)		Cent	Top	3.81e+00	7.17e+00	-	3.14e+00	5.77e+00	-	1.24e+00	6.48e+00
			Bot		5.88e+00	3.06e+00	3.50e+00	6.93e+00	8.25e+00	-	7.93e+00	4.12e+00
1466	STL ENV_STR (al1)		Cent	Top	-	5.22e+00	6.45e+00	3.69e+00	1.25e+00	-	8.22e+00	8.91e+00
			Bot		7.69e+00	4.38e+00	3.00e+00	2.15e+00	5.76e+00	-	7.08e+00	3.95e+00
1467	STL ENV_STR (al1)		Cent	Top	3.25e+00	-	8.21e+00	8.23e+00	4.03e+00	-	8.29e+00	8.50e+00
			Bot		2.50e+00	7.45e+00	3.97e+00	8.83e+00	3.89e+00	-	1.13e+00	6.36e+00
1468	STL ENV_STR (al1)		Cent	Top	3.09e+00	-	3.00e+00	1.76e+00	3.09e+00	-	3.01e+00	5.28e+00
			Bot		6.38e+00	1.86e+00	3.27e+00	3.00e+00	7.52e+00	-	9.39e+00	5.26e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )			
				02	2	2	2	2		02	2				
1469	STL ENV_STR(al l)		Cent	Top	1.82e+00 2	9.11e+00 1	5.65e+00 2	7.03e+00 2	- 4.30e+00 2	-	9.91e+00 2	5.66e+00 2			
			Bot	-	4.67e+00 02	-	1.02e+00 2	6.22e+00 1	-	9.17e+00 1	4.78e+00 2	-	4.39e+00 02	2.39e+00 2	
1470	STL ENV_STR(al l)		Cent	Top	2.04e+00 2	-	2.88e+00 2	4.31e+00 2	4.55e+00 2	-	5.39e+00 2	-	8.61e+00 2	4.97e+00 2	
			Bot	-	2.34e+00 02	-	3.28e+00 2	1.58e+00 2	-	1.17e+00 2	4.46e+00 2	-	4.00e+00 02	2.23e+00 2	
1471	STL ENV_STR(al l)		Cent	Top	1.79e+00 2	2.59e+00 2	-	7.14e+00 2	9.34e+00 2	-	4.97e+00 2	-	1.26e+00 3	7.15e+00 2	
			Bot	-	3.30e+00 02	-	3.42e+00 2	7.58e+00 1	-	2.60e+00 2	4.12e+00 2	-	3.61e+00 02	2.06e+00 2	
1472	STL ENV_STR(al l)		Cent	Top	5.17e+00 1	-	3.67e+00 2	4.43e+00 2	3.32e+00 2	-	6.48e+00 2	-	8.63e+00 2	4.90e+00 2	
			Bot	-	6.52e+00 01	-	2.45e+00 2	3.11e+00 1	5.99e+00 1	-	2.50e+00 2	-	2.26e+00 02	1.25e+00 2	
1473	STL ENV_STR(al l)		Cent	Top	1.61e+00 2	-	8.86e+00 1	1.93e+00 2	2.66e+00 2	-	1.93e+00 2	-	3.99e+00 2	2.29e+00 2	
			Bot	-	3.27e+00 02	-	1.92e+00 2	3.41e+00 2	8.79e+00 1	-	6.07e+00 2	-	6.55e+00 02	3.47e+00 2	
1474	STL ENV_STR(al l)		Cent	Top	1.49e+00 1	-	5.81e+00 2	3.67e+00 2	1.65e+00 2	-	7.61e+00 2	-	8.56e+00 2	4.63e+00 2	
			Bot	-	4.14e+00 01	-	4.67e+00 2	2.03e+00 2	1.13e+00 2	-	5.38e+00 2	-	6.02e+00 02	3.25e+00 2	
1475	STL ENV_STR(al l)		Cent	Top	4.20e+00 1	-	2.73e+00 2	8.17e+00 1	6.20e+00 1	-	2.93e+00 2	-	3.28e+00 2	1.77e+00 2	
			Bot	-	1.72e+00 02	-	2.54e+00 1	3.41e+00 2	2.50e+00 2	-	4.48e+00 2	-	6.12e+00 02	3.49e+00 2	
147	STL ENV_STR(al		Cent	Top	4.14e+00	-	4.40e+00	-	2.87e+00	1.75e+00	-	5.74e+00	-	6.79e+00	3.75e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
6	1)		t		1	2	2	2	2		2	2		
			Bot	1.58e+001	5.35e+002	1.32e+002	1.59e+001	5.66e+002	-	5.74e+002	2.91e+002			
1477	STL ENV_STR (al1)		Cent	Top	3.09e+002	-	3.00e+002	1.91e+001	3.09e+002	-	3.01e+002	-	5.28e+002	3.05e+002
			Bot	6.38e+002	1.85e+002	-	3.26e+002	2.99e+002	-	7.52e+002	-	9.38e+002	5.25e+002	
1478	STL ENV_STR (al1)		Cent	Top	3.24e+001	-	8.22e+002	8.39e+001	4.05e+001	-	8.30e+002	-	8.51e+002	4.35e+002
			Bot	2.50e+002	7.45e+002	3.98e+002	8.85e+002	-	3.90e+002	-	1.13e+003	6.37e+002		
1479	STL ENV_STR (al1)		Cent	Top	1.78e+002	2.56e+002	7.14e+002	9.32e+002	-	4.98e+002	-	1.26e+003	7.15e+002	
			Bot	3.30e+002	3.39e+002	-	7.61e+001	2.58e+002	4.11e+002	-	3.59e+002	2.05e+002		
1480	STL ENV_STR (al1)		Cent	Top	5.10e+001	-	3.69e+002	4.40e+002	3.28e+002	-	6.46e+002	-	8.59e+002	4.87e+002
			Bot	6.46e+001	2.44e+002	-	3.37e+001	5.85e+001	2.50e+002	-	2.27e+002	1.25e+002		
1481	STL ENV_STR (al1)		Cent	Top	1.83e+002	9.26e+001	-	5.65e+002	7.04e+002	-	4.29e+002	-	9.91e+002	5.67e+002
			Bot	4.68e+002	1.04e+002	-	6.24e+001	9.31e+001	4.78e+002	-	4.39e+002	2.39e+002		
1482	STL ENV_STR (al1)		Cent	Top	2.05e+002	-	2.87e+002	4.34e+002	4.58e+002	-	5.39e+002	-	8.65e+002	4.99e+002
			Bot	2.35e+002	3.29e+002	-	1.55e+002	1.19e+002	4.44e+002	-	3.98e+002	2.22e+002		
1483	STL ENV_STR (al1)		Cent	Top	4.18e+001	-	2.69e+002	8.17e+001	6.20e+001	-	2.89e+002	-	3.25e+002	1.76e+002
			Bot	1.73e+001	2.92e+001	-	3.41e+001	2.47e+001	4.49e+001	-	6.12e+001	3.48e+001		

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	1	2	2	2		02	2	
1484	STL ENV_STR(al l)		Cent	Top	4.04e+00 1	- 4.44e+00 2	2.91e+00 2	1.77e+00 2	- 5.80e+00 2	-	6.86e+00 2	3.78e+00 2
			Bot	-	1.56e+00 01	- 5.32e+00 2	1.32e+00 2	1.64e+00 1	- 5.64e+00 2	-	5.73e+00 02	2.90e+00 2
1485	STL ENV_STR(al l)		Cent	Top	1.62e+00 2	- 9.02e+00 1	- 1.93e+00 2	2.66e+00 2	- 1.95e+00 2	-	4.01e+00 2	2.30e+00 2
			Bot	-	3.27e+00 02	- 1.90e+00 2	- 3.40e+00 2	8.85e+00 1	- 6.06e+00 2	-	6.55e+00 02	3.47e+00 2
1486	STL ENV_STR(al l)		Cent	Top	- 1.38e+00 1	- 5.79e+00 2	- 3.63e+00 2	1.64e+00 2	- 7.56e+00 2	-	8.50e+00 2	4.60e+00 2
			Bot	-	4.09e+00 01	- 4.68e+00 2	- 2.03e+00 2	1.12e+00 2	- 5.39e+00 2	-	6.03e+00 02	3.25e+00 2
1487	STL ENV_STR(al l)		Cent	Top	- 4.64e+00 2	- 1.57e+00 3	2.47e+00 2	- 4.11e+00 2	- 1.62e+00 3	-	1.46e+00 3	8.11e+00 2
			Bot	-	3.93e+00 02	1.53e+00 3	- 4.93e+00 2	1.72e+00 3	2.10e+00 2	-	1.62e+00 03	8.59e+00 2
1488	STL ENV_STR(al l)		Cent	Top	7.00e+00 2	7.41e+00 1	1.08e+00 2	7.18e+00 2	5.60e+00 1	-	6.92e+00 2	3.59e+00 2
			Bot	-	1.09e+00 03	- 1.80e+00 2	2.17e+00 2	- 1.31e+00 2	- 1.14e+00 3	-	1.08e+00 03	5.68e+00 2
1489	STL ENV_STR(al l)		Cent	Top	3.60e+00 2	1.47e+00 2	3.44e+00 2	6.14e+00 2	- 1.07e+00 2	-	6.74e+00 2	3.61e+00 2
			Bot	-	7.99e+00 02	- 8.54e+00 0	1.71e+00 2	2.71e+00 1	- 8.34e+00 2	-	8.48e+00 02	4.31e+00 2
1490	STL ENV_STR(al l)		Cent	Top	2.91e+00 2	- 2.47e+00 2	4.07e+00 2	5.10e+00 2	- 4.66e+00 2	-	8.45e+00 2	4.88e+00 2
			Bot	-	3.27e+00 02	- 3.79e+00 2	2.98e+00 2	- 5.44e+00 1	- 6.52e+00 2	-	6.27e+00 02	3.26e+00 2
1491	STL ENV_STR(al		Cent	Top	1.34e+00 1	5.98e+00 2	- 7.71e+00	1.13e+00 3	- 5.19e+00	-	1.46e+00 3	8.25e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)						2		2			
			Bot		6.64e+00	6.28e+00	1.48e+00	6.65e+00	-	6.50e+00	3.32e+00	
149	STL ENV_STR (al1)		Cent	Top	2.10e+00	4.29e+00	4.10e+00	1.05e+00	7.44e+00	-	8.01e+00	4.24e+00
2			Bot		2.07e+00	1.68e+00	5.04e+00	1.75e+00	-	3.37e+00	1.94e+00	
149	STL ENV_STR (al1)		Cent	Top	3.80e+00	7.21e+00	3.14e+00	5.76e+00	1.24e+00	-	6.47e+00	3.50e+00
3			Bot		5.88e+00	3.06e+00	3.51e+00	8.25e+00	-	7.93e+00	4.13e+00	
149	STL ENV_STR (al1)		Cent	Top	5.36e+00	6.46e+00	3.72e+00	1.26e+00	8.26e+00	-	8.96e+00	4.76e+00
4			Bot		7.80e+00	4.37e+00	3.01e+00	5.75e+00	-	7.09e+00	3.96e+00	
149	STL ENV_STR (al1)		Cent	Top	1.83e+00	5.46e+00	2.28e+00	1.81e+00	5.47e+00	-	4.83e+00	2.74e+00
5			Bot		8.62e+00	2.48e+00	3.44e+00	1.87e+00	-	6.35e+00	3.54e+00	
149	STL ENV_STR (al1)		Cent	Top	6.48e+00	3.17e+00	2.01e+00	1.51e+00	4.03e+00	-	4.96e+00	2.77e+00
6			Bot		4.44e+00	6.15e+00	1.03e+00	6.33e+00	-	6.20e+00	3.16e+00	
149	STL ENV_STR (al1)		Cent	Top	1.98e+00	2.77e+00	2.03e+00	1.93e+00	2.82e+00	-	2.49e+00	1.41e+00
7			Bot		2.07e+00	2.55e+00	4.00e+00	1.85e+00	-	2.45e+00	1.39e+00	
149	STL ENV_STR (al1)		Cent	Top	1.99e+00	9.96e+00	5.55e+00	1.21e+00	4.17e+00	-	1.47e+00	8.15e+00
8			Bot		1.01e+00	1.00e+00	7.54e+00	1.07e+00	-	1.06e+00	5.56e+00	



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	3	1	2	3		03	2	
1499	STL ENV_STR(al l)		Cent	Top	- 3.91e+00 2	- 3.50e+00 2	- 2.56e+00 2	- 1.14e+00 2	- 6.27e+00 2	-	5.79e+00 2	3.14e+00 2
			Bot	02	3.99e+00 2	- 2.15e+00 2	5.26e+00 0	3.99e+00 2	- 2.15e+00 2	-	5.40e+00 02	3.07e+00 2
1500	STL ENV_STR(al l)		Cent	Top	- 9.58e+00 2	- 9.95e+00 2	- 1.70e+00 1	- 9.51e+00 2	- 1.00e+00 3	-	9.77e+00 2	5.01e+00 2
			Bot	02	8.80e+00 2	6.67e+00 2	- 2.24e+00 2	1.02e+00 3	5.25e+00 2	-	8.85e+00 02	5.11e+00 2
1501	STL ENV_STR(al l)		Cent	Top	- 7.17e+00 1	- 2.15e+00 2	- 1.20e+00 2	- 1.15e+00 2	- 2.58e+00 2	-	3.31e+00 2	1.87e+00 2
			Bot	01	- 5.57e+00 01	- 6.70e+00 2	- 7.85e+00 1	- 4.58e+00 1	- 6.80e+00 2	-	6.58e+00 02	3.40e+00 2
1502	STL ENV_STR(al l)		Cent	Top	- 4.77e+00 2	- 1.95e+00 3	- 1.69e+00 2	- 4.58e+00 2	- 1.97e+00 3	-	1.78e+00 3	9.85e+00 2
			Bot	02	3.15e+00 02	1.96e+00 3	2.61e+00 2	2.00e+00 3	2.74e+00 2	-	1.87e+00 03	9.98e+00 2
1503	STL ENV_STR(al l)		Cent	Top	- 1.31e+00 2	- 5.76e+00 2	- 5.50e+00 1	- 5.83e+00 2	- 1.24e+00 2	-	5.32e+00 2	2.91e+00 2
			Bot	02	- 1.09e+00 02	- 7.00e+00 2	- 2.85e+00 2	6.52e+00 0	- 8.15e+00 2	-	8.18e+00 02	4.11e+00 2
1504	STL ENV_STR(al l)		Cent	Top	- 2.01e+00 2	- 3.98e+00 2	1.65e+00 2	- 1.07e+00 2	- 4.92e+00 2	-	4.48e+00 2	2.46e+00 2
			Bot	02	2.27e+00 02	- 9.01e+00 1	- 2.12e+00 2	3.33e+00 2	- 1.96e+00 2	-	4.63e+00 02	2.64e+00 2
1505	STL ENV_STR(al l)		Cent	Top	- 8.61e+00 1	- 4.36e+00 2	- 2.75e+00 2	6.47e+00 1	- 5.87e+00 2	-	6.22e+00 2	3.26e+00 2
			Bot	02	1.02e+00 02	1.38e+00 2	2.32e+00 2	3.53e+00 2	- 1.13e+00 2	-	4.21e+00 02	2.33e+00 2
1506	STL ENV_STR(al l)		Cent	Top	6.38e+00 1	- 1.51e+00 2	2.65e+00 1	6.71e+00 1	- 1.55e+00 2	-	1.97e+00 2	1.11e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	4.09e+001	6.15e+002	2.24e+001	4.00e+001	6.16e+002	-	5.97e+002	3.08e+002	
1507	STL ENV_STR (al1)		Cent	Top	2.18e+003	2.93e+003	6.02e+001	2.17e+003	2.93e+003	-	2.64e+003	1.47e+003
			Bot	1.83e+003	2.64e+003	2.78e+002	2.72e+003	1.74e+003	-	2.39e+003	1.36e+003	
1508	STL ENV_STR (al1)		Cent	Top	1.22e+002	9.85e+002	9.47e+001	9.93e+002	1.30e+002	-	1.06e+003	5.61e+002
			Bot	1.24e+002	1.02e+003	2.21e+002	1.65e+002	1.06e+003	-	1.15e+003	6.14e+002	
1509	STL ENV_STR (al1)		Cent	Top	3.88e+002	3.39e+002	1.87e+001	3.33e+002	3.94e+002	-	3.67e+002	1.97e+002
			Bot	3.98e+002	1.89e+002	1.61e+002	4.39e+002	2.30e+002	-	5.89e+002	3.35e+002	
1510	STL ENV_STR (al1)		Cent	Top	9.01e+002	9.51e+002	2.36e+002	6.89e+002	1.16e+003	-	1.01e+003	5.82e+002
			Bot	9.07e+002	6.33e+002	1.19e+002	9.51e+002	5.88e+002	-	8.32e+002	4.76e+002	
1511	STL ENV_STR (al1)		Cent	Top	7.01e+001	1.63e+002	4.17e+001	7.73e+001	1.70e+002	-	2.19e+002	1.24e+002
			Bot	5.50e+001	6.73e+002	5.93e+001	4.93e+001	6.79e+002	-	6.55e+002	3.39e+002	
1512	STL ENV_STR (al1)		Cent	Top	6.35e+001	1.57e+003	8.72e+000	6.35e+001	1.57e+003	-	1.60e+003	8.15e+002
			Bot	8.42e+001	1.53e+003	1.02e+002	1.53e+003	9.06e+001	-	1.58e+003	8.12e+002	
1513	STL ENV_STR (al1)		Cent	Top	3.61e+002	2.74e+002	4.84e+001	3.83e+002	2.52e+002	-	3.37e+002	1.91e+002
			Bot	3.35e+002	4.43e+002	1.29e+002	2.49e+002	5.28e+002	-	4.58e+002	2.64e+002	
151	STL ENV_STR (al1)		Cent	Top	2.59e+00	3.20e+00	1.77e+00	1.00e+00	3.94e+00	-	4.53e+00	2.47e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
4	l)		t		1	2	2	2	2		2	2
			Bot		1.08e+00	1.23e+00	1.55e+00	1.05e+00	2.29e+00	2.95e+02	1.67e+00	
1515	STL ENV_STR(al l)		Cent	Top	1.59e+00	1.19e+00	1.89e+00	2.55e+00	2.14e+00		4.07e+00	2.35e+00
			Bot		1.37e+00	1.80e+00	2.06e+00	4.82e+00	3.65e+00	3.92e+02	2.07e+00	
1516	STL ENV_STR(al l)		Cent	Top	4.77e+00	1.44e+00	8.68e+00	8.11e+00	1.78e+00		2.29e+00	1.29e+00
			Bot		2.58e+00	5.03e+00	2.30e+00	2.47e+00	5.04e+00	4.92e+02	2.52e+00	
1517	STL ENV_STR(al l)		Cent	Top	6.37e+00	1.57e+00	7.38e+00	6.37e+00	1.57e+00		1.60e+00	8.16e+00
			Bot		8.44e+00	1.53e+00	1.01e+00	1.54e+00	9.07e+00	1.58e+03	8.13e+00	
1518	STL ENV_STR(al l)		Cent	Top	3.61e+00	2.72e+00	4.69e+00	3.81e+00	2.52e+00		3.36e+00	1.91e+00
			Bot		3.35e+00	4.40e+00	1.30e+00	2.47e+00	5.28e+00	4.57e+02	2.64e+00	
1519	STL ENV_STR(al l)		Cent	Top	2.32e+00	3.24e+00	1.76e+00	9.70e+00	3.98e+00		4.54e+00	2.48e+00
			Bot		1.13e+00	1.18e+00	1.54e+00	1.06e+00	2.23e+00	2.91e+02	1.65e+00	
1520	STL ENV_STR(al l)		Cent	Top	1.59e+00	1.14e+00	1.86e+00	2.53e+00	2.09e+00		4.01e+00	2.31e+00
			Bot		1.37e+00	1.84e+00	2.03e+00	4.43e+00	3.65e+00	3.89e+02	2.05e+00	
1521	STL ENV_STR(al l)		Cent	Top	4.88e+00	1.53e+00	8.71e+00	8.11e+00	1.86e+00		2.37e+00	1.33e+00
			Bot		2.80e+00	4.92e+00	2.16e+00	2.70e+00	4.93e+00	4.80e+02	2.47e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	2	1	1	2				
1522	STL ENV_STR(al l)		Cent	Top	- 2.18e+00 3	- 2.93e+00 3	5.89e+00 1	- 2.17e+00 3	- 2.94e+00 3	-	2.64e+00 3	1.47e+00 3
			Bot	03	1.83e+00 3	2.64e+00 3	- 2.77e+00 2	2.72e+00 3	1.74e+00 3	-	2.39e+00 3	1.36e+00 3
1523	STL ENV_STR(al l)		Cent	Top	- 1.23e+00 2	9.80e+00 2	9.35e+00 1	9.88e+00 2	- 1.31e+00 2	-	1.06e+00 3	5.60e+00 2
			Bot	02	1.25e+00 3	- 1.02e+00 3	2.22e+00 2	1.67e+00 2	- 1.06e+00 3	-	1.15e+00 3	6.13e+00 2
1524	STL ENV_STR(al l)		Cent	Top	- 3.86e+00 2	- 3.44e+00 2	- 1.91e+00 1	- 3.36e+00 2	- 3.94e+00 2	-	3.68e+00 2	1.97e+00 2
			Bot	02	3.96e+00 3	- 1.85e+00 2	1.60e+00 2	4.38e+00 2	- 2.26e+00 2	-	5.84e+00 3	3.32e+00 2
1525	STL ENV_STR(al l)		Cent	Top	- 8.90e+00 2	- 9.39e+00 2	2.33e+00 2	- 6.80e+00 2	- 1.15e+00 3	-	1.00e+00 3	5.75e+00 2
			Bot	02	8.97e+00 3	6.21e+00 2	- 1.17e+00 2	9.40e+00 2	5.78e+00 2	-	8.21e+00 3	4.70e+00 2
1526	STL ENV_STR(al l)		Cent	Top	- 6.92e+00 1	- 1.67e+00 2	4.44e+00 1	7.73e+00 1	- 1.75e+00 2	-	2.24e+00 2	1.26e+00 2
			Bot	01	- 5.47e+00 2	- 6.71e+00 2	5.85e+00 1	- 4.92e+00 1	- 6.76e+00 2	-	6.53e+00 3	3.38e+00 2
1527	STL ENV_STR(al l)		Cent	Top	- 4.77e+00 2	- 1.95e+00 3	1.68e+00 2	4.58e+00 2	- 1.97e+00 3	-	1.79e+00 3	9.85e+00 2
			Bot	02	3.15e+00 3	1.96e+00 3	- 2.60e+00 2	2.00e+00 3	2.74e+00 2	-	1.87e+00 3	9.99e+00 2
1528	STL ENV_STR(al l)		Cent	Top	1.30e+00 2	5.72e+00 2	- 5.66e+00 1	5.79e+00 2	1.23e+00 2	-	5.29e+00 2	2.90e+00 2
			Bot	02	- 1.08e+00 2	- 6.96e+00 2	2.87e+00 2	8.71e+00 0	- 8.12e+00 2	-	8.16e+00 3	4.10e+00 2
152	STL ENV_STR(al		Cent	Top	- 2.01e+00	- 4.02e+00	- 1.65e+00	- 1.09e+00	- 4.95e+00	-	4.50e+00	2.47e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
9	1)		t		2	2	2	2	2		2	2
			Bot	2.27e+002	-8.59e+001	2.10e+002	3.32e+002	-1.91e+002	-	4.59e+002	2.62e+002	
1530	STL ENV_STR(al1)		Cent	Top	-8.39e+001	-4.29e+002	2.71e+002	6.52e+001	-5.78e+002	-	6.13e+002	3.22e+002
			Bot	9.95e+001	1.31e+002	-2.29e+002	3.45e+002	-1.15e+002	-	4.14e+002	2.30e+002	
1531	STL ENV_STR(al1)		Cent	Top	6.41e+001	-1.58e+002	-2.34e+001	6.66e+001	-1.60e+002	-	2.02e+002	1.13e+002
			Bot	-4.16e+001	-6.09e+002	2.04e+001	-4.09e+001	-6.09e+002	-	5.90e+002	3.05e+002	
1532	STL ENV_STR(al1)		Cent	Top	-1.98e+003	-2.77e+003	-2.05e+002	-1.93e+003	-2.82e+003	-	2.50e+003	1.41e+003
			Bot	2.07e+003	2.55e+003	4.01e+002	2.78e+003	1.85e+003	-	2.45e+003	1.39e+003	
1533	STL ENV_STR(al1)		Cent	Top	-2.01e+002	9.91e+002	5.54e+002	1.21e+003	-4.18e+002	-	1.46e+003	8.14e+002
			Bot	1.03e+002	-9.95e+002	-7.50e+001	1.08e+002	-1.00e+003	-	1.06e+003	5.54e+002	
1534	STL ENV_STR(al1)		Cent	Top	-3.89e+002	-3.54e+002	2.53e+002	-1.17e+002	-6.26e+002	-	5.76e+002	3.13e+002
			Bot	3.97e+002	-2.11e+002	-3.69e+000	3.97e+002	-2.11e+002	-	5.35e+002	3.04e+002	
1535	STL ENV_STR(al1)		Cent	Top	-9.48e+002	9.84e+002	1.70e+001	9.41e+002	9.90e+002	-	9.67e+002	4.95e+002
			Bot	8.70e+002	6.55e+002	2.24e+002	1.01e+003	5.13e+002	-	8.75e+002	5.05e+002	
1536	STL ENV_STR(al1)		Cent	Top	7.02e+001	-2.20e+002	1.23e+002	1.15e+002	-2.65e+002	-	3.37e+002	1.90e+002
			Bot	-5.50e+001	-6.67e+002	7.86e+001	-4.51e+001	-6.77e+002	-	6.55e+002	3.38e+002	

Element	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1537	STL ENV_STR (all)		Cent	Top	4.17e+001	-1.60e+003	1.67e+002	5.86e+001	-1.61e+003	-	1.64e+003	8.36e+002
			Bot	7.42e+001	1.49e+003	-2.17e+001	1.49e+003	7.38e+001	-	1.46e+003	7.47e+002	
1538	STL ENV_STR (all)		Cent	Top	1.98e+002	5.78e+001	-1.94e+002	3.34e+002	-7.80e+001	-	3.79e+002	2.06e+002
			Bot	-1.65e+002	-2.68e+002	7.71e+001	-1.23e+002	-3.09e+002	-	2.69e+002	1.54e+002	
1539	STL ENV_STR (all)		Cent	Top	1.09e+002	-1.96e+002	1.41e+002	1.64e+002	-2.51e+002	-	3.62e+002	2.07e+002
			Bot	-9.15e+001	-1.79e+002	-6.93e+001	-5.35e+001	-2.18e+002	-	1.96e+002	1.09e+002	
1540	STL ENV_STR (all)		Cent	Top	2.10e+002	5.24e+001	-1.22e+002	2.76e+002	-1.38e+001	-	2.83e+002	1.45e+002
			Bot	-1.86e+002	-3.46e+002	1.77e+002	-7.18e+001	-4.60e+002	-	4.29e+002	2.30e+002	
1541	STL ENV_STR (all)		Cent	Top	1.88e+001	-1.26e+002	1.18e+002	8.50e+001	-1.92e+002	-	2.46e+002	1.39e+002
			Bot	-2.83e+001	-3.38e+002	5.61e+001	-1.85e+001	-3.48e+002	-	3.39e+002	1.74e+002	
1542	STL ENV_STR (all)		Cent	Top	-8.30e+002	-1.91e+003	3.01e+002	-7.51e+002	1.99e+003	-	1.74e+003	9.95e+002
			Bot	1.12e+003	2.11e+003	4.93e+001	2.11e+003	1.12e+003	-	1.83e+003	1.06e+003	
1543	STL ENV_STR (all)		Cent	Top	-5.39e+001	-5.86e+000	-1.90e+002	1.62e+002	-2.22e+002	-	3.34e+002	1.92e+002
			Bot	1.09e+002	-2.97e+002	1.02e+002	1.33e+002	-3.22e+002	-	4.05e+002	2.27e+002	
1544	STL ENV_STR (all)		Cent	Top	1.03e+002	-8.31e+001	1.04e+002	1.49e+002	-1.29e+002	-	2.41e+002	1.39e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	9.67e+001	2.14e+002	1.08e+001	9.57e+001	2.15e+002	-	1.87e+002	1.07e+002	
1545	STL ENV_STR(al1)		Cent	Top	1.80e+002	1.45e+002	7.36e+001	2.38e+002	8.64e+001	-	2.08e+002	1.19e+002
			Bot	1.63e+002	4.27e+002	1.45e+002	9.86e+001	4.92e+002	-	4.50e+002	2.46e+002	
1546	STL ENV_STR(al1)		Cent	Top	3.63e+001	9.23e+001	1.05e+002	4.44e+001	1.73e+002	-	1.99e+002	1.09e+002
			Bot	3.90e+001	1.73e+002	5.70e+001	1.80e+001	1.94e+002	-	1.85e+002	9.68e+001	
1547	STL ENV_STR(al1)		Cent	Top	1.09e+003	1.95e+003	1.12e+002	1.08e+003	1.96e+003	-	1.70e+003	9.82e+002
			Bot	9.68e+002	2.10e+003	1.18e+002	2.11e+003	9.56e+002	-	1.83e+003	1.06e+003	
1548	STL ENV_STR(al1)		Cent	Top	1.02e+002	1.27e+002	5.08e+001	6.22e+001	1.67e+002	-	1.46e+002	8.34e+001
			Bot	2.03e+002	1.96e+002	1.08e+002	2.30e+002	2.24e+002	-	3.93e+002	2.27e+002	
1549	STL ENV_STR(al1)		Cent	Top	6.14e+001	2.57e+000	7.23e+001	1.08e+002	4.97e+001	-	1.40e+002	7.90e+001
			Bot	6.02e+001	2.18e+002	7.61e+000	5.99e+001	2.19e+002	-	1.96e+002	1.09e+002	
1550	STL ENV_STR(al1)		Cent	Top	1.12e+002	1.91e+002	4.60e+001	2.12e+002	9.07e+001	-	1.84e+002	1.06e+002
			Bot	1.07e+002	4.67e+002	1.13e+002	7.46e+001	4.99e+002	-	4.66e+002	2.50e+002	
1551	STL ENV_STR(al1)		Cent	Top	3.00e+001	5.27e+001	5.39e+001	1.37e+001	9.65e+001	-	1.04e+002	5.51e+001
			Bot	8.44e+000	5.68e+001	1.82e+001	2.34e+000	6.29e+001	-	6.17e+001	3.14e+001	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1552	STL ENV_STR(al l)		Cent	Top	- 1.86e+00 2	- 1.55e+00 3	- 8.63e+00 1	- 1.81e+00 2	- 1.55e+00 3	-	1.47e+00 3	7.76e+00 2
			Bot	1.61e+00 02	1.60e+00 3	1.21e+00 2	1.61e+00 3	1.50e+00 2	-	1.54e+00 03	8.05e+00 2	
1553	STL ENV_STR(al l)		Cent	Top	- 6.82e+00 1	- 3.36e+00 2	- 2.84e+00 1	- 6.53e+00 1	- 3.39e+00 2	-	3.12e+00 2	1.70e+00 2
			Bot	5.89e+00 01	5.77e+00 1	- 1.17e+00 2	1.76e+00 2	- 5.90e+00 1	-	2.11e+00 02	1.17e+00 2	
1554	STL ENV_STR(al l)		Cent	Top	1.92e+00 1	5.53e+00 1	4.28e+00 1	8.37e+00 1	- 9.27e+00 0	-	8.87e+00 1	4.65e+00 1
			Bot	1.96e+00 01	2.05e+00 2	7.65e+00 0	1.93e+00 1	2.05e+00 2	-	1.96e+00 02	1.03e+00 2	
1555	STL ENV_STR(al l)		Cent	Top	3.55e+00 1	2.18e+00 2	- 3.87e+00 1	2.26e+00 2	2.77e+00 1	-	2.14e+00 2	1.13e+00 2
			Bot	3.62e+00 01	5.04e+00 2	7.27e+00 1	- 2.52e+00 1	5.15e+00 2	-	5.03e+00 02	2.58e+00 2	
1556	STL ENV_STR(al l)		Cent	Top	- 1.20e+00 1	- 2.39e+00 1	2.40e+00 1	6.84e+00 0	- 4.27e+00 1	-	4.65e+00 1	2.48e+00 1
			Bot	5.49e+00 00	9.45e+00 0	- 6.70e+00 0	1.45e+00 1	4.82e- 001	-	1.42e+00 01	7.23e+00 0	
1557	STL ENV_STR(al l)		Cent	Top	- 1.87e+00 2	- 1.55e+00 3	8.57e+00 1	- 1.81e+00 2	- 1.56e+00 3	-	1.47e+00 3	7.78e+00 2
			Bot	1.61e+00 02	1.60e+00 3	- 1.20e+00 2	1.61e+00 3	1.51e+00 2	-	1.54e+00 03	8.07e+00 2	
1558	STL ENV_STR(al l)		Cent	Top	- 6.81e+00 1	- 3.35e+00 2	2.69e+00 1	- 6.55e+00 1	- 3.37e+00 2	-	3.10e+00 2	1.69e+00 2
			Bot	5.88e+00 01	5.67e+00 1	1.19e+00 2	1.77e+00 2	- 6.10e+00 1	-	2.14e+00 02	1.19e+00 2	
1559	STL ENV_STR(al l)		Cent	Top	1.87e+00 1	5.12e+00 1	- 4.39e+00 1	8.18e+00 1	- 1.18e+00 1	-	8.83e+00 1	4.68e+00 1



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.91e+001	1.99e+002	8.59e+000	1.87e+001	1.99e+002	-	1.90e+002	9.95e+001	
1560	STL ENV_STR (al1)		Cent	Top	3.55e+001	2.20e+002	3.72e+001	2.27e+002	2.83e+001	-	2.14e+002	1.14e+002
			Bot	3.62e+001	5.04e+002	7.14e+001	2.56e+001	5.15e+002	-	5.03e+002	2.57e+002	
1561	STL ENV_STR (al1)		Cent	Top	1.24e+001	2.76e+001	2.46e+001	5.79e+000	4.58e+001	-	4.89e+001	2.58e+001
			Bot	5.95e+000	1.46e+001	7.91e+000	1.93e+001	1.27e+000	-	1.87e+001	9.65e+000	
1562	STL ENV_STR (al1)		Cent	Top	1.10e+003	1.95e+003	1.11e+002	1.08e+003	1.97e+003	-	1.71e+003	9.84e+002
			Bot	9.71e+002	2.11e+003	1.17e+002	2.12e+003	9.59e+002	-	1.84e+003	1.06e+003	
1563	STL ENV_STR (al1)		Cent	Top	1.02e+002	1.25e+002	4.92e+001	6.31e+001	1.64e+002	-	1.43e+002	8.20e+001
			Bot	2.03e+002	1.98e+002	1.10e+002	2.31e+002	2.26e+002	-	3.96e+002	2.28e+002	
1564	STL ENV_STR (al1)		Cent	Top	5.99e+001	7.03e+000	7.32e+001	1.07e+002	5.41e+001	-	1.42e+002	8.05e+001
			Bot	5.89e+001	2.12e+002	6.94e+000	5.86e+001	2.13e+002	-	1.90e+002	1.06e+002	
1565	STL ENV_STR (al1)		Cent	Top	1.12e+002	1.93e+002	4.43e+001	2.12e+002	9.21e+001	-	1.84e+002	1.06e+002
			Bot	1.07e+002	4.67e+002	1.12e+002	7.52e+001	4.99e+002	-	4.66e+002	2.49e+002	
1566	STL ENV_STR (al1)		Cent	Top	3.07e+001	5.57e+001	5.42e+001	1.24e+001	9.88e+001	-	1.06e+002	5.56e+001
			Bot	7.70e+000	5.24e+001	1.66e+001	2.20e+000	5.79e+001	-	5.68e+001	2.89e+001	
1567	STL ENV_STR (al1)		Cent	Top	8.32e+000	1.92e+000	3.03e+000	7.53e+000	1.99e+000	-	1.74e+003	9.97e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)				2	3	2	2	3			
			Bot	1.12e+03	2.11e+03	-4.81e+01	2.12e+03	1.12e+03	-	1.83e+03	1.06e+03	
1568	STL ENV_STR (al1)		Cent	Top	-5.42e+00	-4.64e+00	1.89e+02	1.61e+02	-2.20e+02	-	3.32e+02	1.91e+02
			Bot	1.09e+02	2.98e+02	1.01e+02	1.33e+02	3.22e+02	-	4.05e+02	2.27e+02	
1569	STL ENV_STR (al1)		Cent	Top	1.01e+02	-8.79e+01	1.04e+02	1.47e+02	-1.34e+02	-	2.43e+02	1.40e+02
			Bot	-9.46e+01	-2.08e+02	1.08e+01	-9.35e+01	-2.09e+02	-	1.81e+02	1.04e+02	
1570	STL ENV_STR (al1)		Cent	Top	1.79e+02	1.47e+02	7.17e+01	2.36e+02	8.94e+01	-	2.07e+02	1.18e+02
			Bot	1.62e+02	4.28e+02	1.44e+02	9.94e+01	4.91e+02	-	4.50e+02	2.46e+02	
1571	STL ENV_STR (al1)		Cent	Top	-3.91e+01	-9.22e+01	1.05e+02	4.31e+01	-1.74e+02	-	1.99e+02	1.09e+02
			Bot	3.63e+01	1.71e+02	5.47e+01	1.69e+01	1.90e+02	-	1.82e+02	9.51e+01	
1572	STL ENV_STR (al1)		Cent	Top	4.16e+01	-1.60e+03	1.69e+02	5.88e+01	-1.62e+03	-	1.65e+03	8.37e+02
			Bot	7.44e+01	1.50e+03	2.28e+01	1.50e+03	7.40e+01	-	1.46e+03	7.49e+02	
1573	STL ENV_STR (al1)		Cent	Top	1.98e+02	5.73e+01	1.93e+02	3.33e+02	-7.73e+01	-	3.77e+02	2.05e+02
			Bot	1.64e+02	2.67e+02	7.60e+01	1.24e+02	3.07e+02	-	2.68e+02	1.54e+02	
1574	STL ENV_STR (al1)		Cent	Top	1.06e+02	-2.01e+02	1.41e+02	1.60e+02	-2.56e+02	-	3.64e+02	2.08e+02
			Bot	8.90e+01	1.74e+02	6.86e+01	5.07e+01	2.12e+02	-	1.92e+02	1.06e+02	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1575	STL ENV_STR(a11)		Cent	Top	2.09e+002	5.53e+001	1.19e+002	2.74e+002	-9.75e+000	-	2.79e+002	1.42e+002
			Bot	1.86e+002	3.48e+002	1.75e+002	7.35e+001	4.60e+002	-	4.28e+002	2.30e+002	
1576	STL ENV_STR(a11)		Cent	Top	1.85e+001	-1.28e+002	-1.22e+002	8.75e+001	-1.97e+002	-	2.53e+002	1.42e+002
			Bot	2.92e+001	3.34e+002	5.06e+001	2.10e+001	3.42e+002	-	3.32e+002	1.71e+002	
1577	STL ENV_STR(a11)		Cent	Top	5.57e+001	1.81e+002	4.68e+002	5.90e+002	-3.54e+002	-	8.26e+002	4.72e+002
			Bot	5.61e+001	1.82e+002	4.67e+002	5.90e+002	-3.52e+002	-	8.25e+002	4.71e+002	
1578	STL ENV_STR(a11)		Cent	Top	1.08e+002	1.02e+002	5.55e+002	6.60e+002	-4.50e+002	-	9.67e+002	5.55e+002
			Bot	1.08e+002	1.02e+002	5.55e+002	6.60e+002	-4.50e+002	-	9.67e+002	5.55e+002	
1579	STL ENV_STR(a11)		Cent	Top	-2.75e+002	2.85e+001	1.21e+003	1.10e+003	-1.35e+003	-	2.12e+003	1.22e+003
			Bot	2.75e+001	2.71e+001	1.21e+003	1.10e+003	-1.35e+003	-	2.12e+003	1.22e+003	
1580	STL ENV_STR(a11)		Cent	Top	-1.28e+001	1.19e+002	1.19e+003	1.25e+003	-1.14e+003	-	2.07e+003	1.19e+003
			Bot	1.37e+001	1.17e+002	1.19e+003	1.24e+003	-1.14e+003	-	2.07e+003	1.19e+003	
1581	STL ENV_STR(a11)		Cent	Top	-4.09e+002	4.45e+000	1.15e+003	9.65e+002	-1.37e+003	-	2.03e+003	1.17e+003
			Bot	4.08e+001	5.02e-001	1.15e+003	9.62e+002	-1.37e+003	-	2.03e+003	1.17e+003	
1582	STL ENV_STR(a11)		Cent	Top	-1.07e+001	2.27e+000	4.21e+002	4.16e+002	-4.25e+002	-	7.28e+002	4.21e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.08e+001	2.17e+000	4.20e+002	4.16e+002	4.24e+002	-	7.28e+002	4.20e+002	
1583	STL ENV_STR (al1)		Cent	Top	4.83e+001	8.09e+000	5.14e+002	5.42e+002	4.86e+002	-	8.91e+002	5.14e+002
			Bot	01	4.80e+000	7.97e+000	5.13e+002	5.41e+002	4.85e+002	-	8.89e+002	5.13e+002
1584	STL ENV_STR (al1)		Cent	Top	1.65e+002	3.34e+001	1.38e+003	1.48e+003	1.28e+003	-	2.39e+003	1.38e+003
			Bot	02	1.65e+001	3.29e+001	1.38e+003	1.48e+003	1.28e+003	-	2.39e+003	1.38e+003
1585	STL ENV_STR (al1)		Cent	Top	1.19e+002	4.77e+000	1.32e+003	1.38e+003	1.27e+003	-	2.30e+003	1.32e+003
			Bot	02	1.19e+000	4.66e+000	1.32e+003	1.38e+003	1.27e+003	-	2.29e+003	1.32e+003
1586	STL ENV_STR (al1)		Cent	Top	2.08e+002	2.35e+001	1.50e+003	1.62e+003	1.39e+003	-	2.61e+003	1.50e+003
			Bot	02	2.07e+001	2.33e+001	1.50e+003	1.62e+003	1.39e+003	-	2.61e+003	1.50e+003
1587	STL ENV_STR (al1)		Cent	Top	2.26e+001	8.79e+001	4.45e+002	4.81e+002	4.16e+002	-	7.78e+002	4.49e+002
			Bot	01	2.27e+001	8.77e+001	4.44e+002	4.80e+002	4.15e+002	-	7.76e+002	4.48e+002
1588	STL ENV_STR (al1)		Cent	Top	2.86e+001	4.43e+001	5.58e+002	5.94e+002	5.21e+002	-	9.67e+002	5.58e+002
			Bot	01	2.88e+001	4.44e+001	5.57e+002	5.93e+002	5.20e+002	-	9.65e+002	5.57e+002
1589	STL ENV_STR (al1)		Cent	Top	8.19e+001	2.78e+001	1.36e+003	1.33e+003	1.39e+003	-	2.35e+003	1.36e+003
			Bot	01	8.25e+001	2.74e+001	1.36e+003	1.33e+003	1.39e+003	-	2.35e+003	1.36e+003

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1590	STL ENV_STR(a11)		Cent	Top	2.78e+001	6.55e+001	1.31e+003	1.36e+003	-1.27e+003	-	2.28e+003	1.31e+003
			Bot	01	2.75e+001	6.52e+001	1.31e+003	1.36e+003	-1.27e+003	-	2.28e+003	1.31e+003
1591	STL ENV_STR(a11)		Cent	Top	-1.69e+002	5.50e+000	1.44e+003	1.36e+003	-1.53e+003	-	2.50e+003	1.45e+003
			Bot	-	1.69e+002	5.42e+000	1.44e+003	1.36e+003	-1.53e+003	-	2.50e+003	1.44e+003
1592	STL ENV_STR(a11)		Cent	Top	-6.63e+000	-3.67e+001	3.95e+002	3.74e+002	-4.17e+002	-	6.85e+002	3.96e+002
			Bot	-	6.74e+000	-3.66e+001	3.94e+002	3.73e+002	-4.16e+002	-	6.84e+002	3.95e+002
1593	STL ENV_STR(a11)		Cent	Top	8.83e+001	-4.45e+001	4.76e+002	5.03e+002	-4.59e+002	-	8.33e+002	4.81e+002
			Bot	01	8.74e+001	-4.49e+001	4.76e+002	5.02e+002	-4.59e+002	-	8.32e+002	4.80e+002
1594	STL ENV_STR(a11)		Cent	Top	4.41e+002	3.03e+001	1.27e+003	1.53e+003	-1.05e+003	-	2.25e+003	1.29e+003
			Bot	02	4.41e+002	3.06e+001	1.27e+003	1.53e+003	-1.05e+003	-	2.25e+003	1.29e+003
1595	STL ENV_STR(a11)		Cent	Top	1.95e+002	-8.48e+001	1.24e+003	1.30e+003	-1.19e+003	-	2.16e+003	1.24e+003
			Bot	02	1.95e+002	-8.42e+001	1.24e+003	1.30e+003	-1.19e+003	-	2.15e+003	1.24e+003
1596	STL ENV_STR(a11)		Cent	Top	5.69e+002	1.90e+001	1.38e+003	1.70e+003	-1.11e+003	-	2.45e+003	1.40e+003
			Bot	02	5.67e+002	1.78e+001	1.38e+003	1.70e+003	-1.11e+003	-	2.45e+003	1.40e+003
1597	STL ENV_STR(a11)		Cent	Top	6.46e+000	1.34e+002	4.60e+002	5.35e+002	-3.94e+002	-	8.07e+002	4.64e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	6.63e+00	1.34e+00	4.59e+00	5.34e+00	-3.93e+00	-	8.06e+00	4.63e+00	
1598	STL ENV_STR (all)		Cent	Top	1.12e+00	6.20e+00	5.93e+00	6.30e+00	-5.57e+00	-	1.03e+00	5.94e+00
			Bot	1.15e+00	6.23e+00	5.92e+00	6.30e+00	-5.56e+00	-	1.03e+00	5.93e+00	
1599	STL ENV_STR (all)		Cent	Top	-1.93e+00	3.39e+00	1.30e+00	1.22e+00	-1.38e+00	-	2.26e+00	1.30e+00
			Bot	-1.94e+00	3.31e+00	1.30e+00	1.22e+00	-1.38e+00	-	2.25e+00	1.30e+00	
1600	STL ENV_STR (all)		Cent	Top	6.67e+00	8.91e+00	1.27e+00	1.32e+00	-1.22e+00	-	2.20e+00	1.27e+00
			Bot	6.06e+00	8.82e+00	1.27e+00	1.32e+00	-1.22e+00	-	2.20e+00	1.27e+00	
1601	STL ENV_STR (all)		Cent	Top	-2.69e+00	1.44e+00	1.37e+00	1.24e+00	-1.51e+00	-	2.38e+00	1.37e+00
			Bot	-2.68e+00	9.04e-001	1.37e+00	1.24e+00	-1.51e+00	-	2.38e+00	1.37e+00	
1602	STL ENV_STR (all)		Cent	Top	-5.01e+00	-2.62e+00	4.10e+00	3.94e+00	-4.25e+00	-	7.10e+00	4.10e+00
			Bot	5.05e+00	2.61e+00	4.09e+00	3.93e+00	-4.25e+00	-	7.09e+00	4.09e+00	
1603	STL ENV_STR (all)		Cent	Top	6.09e+00	-1.57e+00	4.88e+00	5.12e+00	-4.67e+00	-	8.48e+00	4.89e+00
			Bot	6.02e+00	-1.60e+00	4.87e+00	5.11e+00	-4.66e+00	-	8.46e+00	4.89e+00	
1604	STL ENV_STR (all)		Cent	Top	3.02e+00	3.67e+00	1.35e+00	1.52e+00	-1.19e+00	-	2.35e+00	1.35e+00
			Bot	3.01e+00	3.61e+00	1.35e+00	1.52e+00	-1.19e+00	-	2.35e+00	1.35e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1605	STL ENV_STR(al l)		Cent	Top	1.64e+00 2	- 4.60e+00 1	1.30e+00 3	1.36e+00 3	- 1.24e+00 3	-	2.25e+00 3	1.30e+00 3
			Bot	1.64e+00 02	- 4.56e+00 1	1.29e+00 3	1.36e+00 3	- 1.24e+00 3	-	2.25e+00 03	1.30e+00 3	
1606	STL ENV_STR(al l)		Cent	Top	4.17e+00 2	2.89e+00 1	1.46e+00 3	1.69e+00 3	- 1.25e+00 3	-	2.56e+00 3	1.47e+00 3
			Bot	4.16e+00 02	2.85e+00 1	1.46e+00 3	1.69e+00 3	- 1.25e+00 3	-	2.55e+00 03	1.47e+00 3	
1607	STL ENV_STR(al l)		Cent	Top	- 2.32e+00 1	4.00e+00 1	4.32e+00 2	4.41e+00 2	- 4.24e+00 2	-	7.50e+00 2	4.33e+00 2
			Bot	- 2.33e+00 01	3.98e+00 1	4.31e+00 2	4.40e+00 2	- 4.24e+00 2	-	7.49e+00 02	4.32e+00 2	
1608	STL ENV_STR(al l)		Cent	Top	3.07e+00 1	2.71e+00 1	5.37e+00 2	5.66e+00 2	- 5.08e+00 2	-	9.30e+00 2	5.37e+00 2
			Bot	3.07e+00 01	2.71e+00 1	5.36e+00 2	5.65e+00 2	- 5.07e+00 2	-	9.29e+00 02	5.36e+00 2	
1609	STL ENV_STR(al l)		Cent	Top	4.11e+00 1	3.15e+00 1	1.38e+00 3	1.42e+00 3	- 1.34e+00 3	-	2.39e+00 3	1.38e+00 3
			Bot	4.05e+00 01	3.11e+00 1	1.38e+00 3	1.42e+00 3	- 1.34e+00 3	-	2.39e+00 03	1.38e+00 3	
1610	STL ENV_STR(al l)		Cent	Top	6.63e+00 1	3.19e+00 1	1.33e+00 3	1.38e+00 3	- 1.28e+00 3	-	2.30e+00 3	1.33e+00 3
			Bot	6.63e+00 01	3.18e+00 1	1.33e+00 3	1.38e+00 3	- 1.28e+00 3	-	2.30e+00 03	1.33e+00 3	
1611	STL ENV_STR(al l)		Cent	Top	1.31e+00 1	1.47e+00 1	1.50e+00 3	1.51e+00 3	- 1.48e+00 3	-	2.59e+00 3	1.50e+00 3
			Bot	1.23e+00 01	1.47e+00 1	1.49e+00 3	1.51e+00 3	- 1.48e+00 3	-	2.59e+00 03	1.49e+00 3	
1612	STL ENV_STR(al l)		Cent	Top	2.92e+00 1	- 3.92e+00 1	3.75e+00 2	3.72e+00 2	- 3.82e+00 2	-	6.52e+00 2	3.77e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.90e+001	-3.92e+001	3.74e+002	3.71e+002	-3.81e+002	-	6.51e+002	3.76e+002	
1613	STL ENV_STR (al1)		Cent	Top	1.31e-001	-9.39e+001	4.24e+002	3.80e+002	-4.74e+002	-	7.40e+002	4.27e+002
			Bot	Bot	-6.11e-001	-9.41e+001	4.24e+002	3.79e+002	-4.73e+002	-	7.40e+002	4.26e+002
1614	STL ENV_STR (al1)		Cent	Top	5.72e+002	3.12e+001	1.17e+003	1.50e+003	-8.97e+002	-	2.10e+003	1.20e+003
			Bot	Bot	5.73e+002	3.34e+001	1.17e+003	1.50e+003	-8.94e+002	-	2.10e+003	1.20e+003
1615	STL ENV_STR (al1)		Cent	Top	2.16e+002	-1.33e+002	1.14e+003	1.19e+003	-1.11e+003	-	1.99e+003	1.15e+003
			Bot	Bot	2.15e+002	-1.32e+002	1.14e+003	1.19e+003	-1.11e+003	-	1.99e+003	1.15e+003
1616	STL ENV_STR (al1)		Cent	Top	7.59e+002	-6.09e+000	1.13e+003	1.57e+003	-8.21e+002	-	2.11e+003	1.20e+003
			Bot	Bot	7.58e+002	-3.97e+000	1.13e+003	1.57e+003	-8.19e+002	-	2.11e+003	1.20e+003
1617	STL ENV_STR (al1)		Cent	Top	5.20e+002	-1.02e+002	-1.69e+002	5.63e+002	-1.45e+002	-	6.47e+002	3.54e+002
			Bot	Bot	3.69e+002	2.16e+002	-1.30e+002	4.44e+002	1.42e+002	-	3.93e+002	2.22e+002
1618	STL ENV_STR (al1)		Cent	Top	2.83e+002	-1.33e+002	-2.10e+002	3.70e+002	-2.21e+002	-	5.17e+002	2.95e+002
			Bot	Bot	4.11e+002	2.12e+002	-1.21e+002	4.68e+002	1.55e+002	-	4.13e+002	2.34e+002
1619	STL ENV_STR (al1)		Cent	Top	2.89e+002	-5.51e+001	-2.30e+002	4.04e+002	-1.71e+002	-	5.11e+002	2.87e+002
			Bot	Bot	2.84e+002	7.17e+001	-1.00e+002	3.24e+002	3.17e+001	-	3.09e+002	1.62e+002



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1620	STL ENV_STR(al l)		Cent	Top	5.02e+00 2	9.17e+00 1	- 2.40e+00 2	6.12e+00 2	- 1.88e+00 1	-	6.22e+00 2	3.16e+00 2
			Bot	1.77e+00 01	- 9.42e+00 1	- 7.66e+00 1	5.66e+00 1	- 1.33e+00 2	-	1.69e+00 02	9.48e+00 1	
1621	STL ENV_STR(al l)		Cent	Top	4.72e+00 2	1.21e+00 2	- 1.96e+00 2	5.60e+00 2	3.35e+00 1	-	5.44e+00 2	2.80e+00 2
			Bot	9.34e+00 01	- 4.58e+00 1	- 1.78e+00 2	2.15e+00 2	- 1.68e+00 2	-	3.33e+00 02	1.91e+00 2	
1622	STL ENV_STR(al l)		Cent	Top	3.06e+00 2	4.90e+00 1	- 2.61e+00 2	4.69e+00 2	- 1.14e+00 2	-	5.35e+00 2	2.91e+00 2
			Bot	2.31e+00 02	2.07e+00 1	- 1.47e+00 2	3.06e+00 2	- 5.51e+00 1	-	3.37e+00 02	1.81e+00 2	
1623	STL ENV_STR(al l)		Cent	Top	3.08e+00 2	1.19e+00 1	- 2.92e+00 2	4.87e+00 2	- 1.68e+00 2	-	5.89e+00 2	3.28e+00 2
			Bot	1.86e+00 02	2.69e+00 1	- 1.01e+00 2	2.35e+00 2	- 2.20e+00 1	-	2.47e+00 02	1.28e+00 2	
1624	STL ENV_STR(al l)		Cent	Top	3.63e+00 2	- 6.18e+00 0	- 2.42e+00 2	4.83e+00 2	- 1.26e+00 2	-	5.56e+00 2	3.04e+00 2
			Bot	8.77e+00 01	6.98e+00 1	- 9.54e+00 1	1.75e+00 2	- 1.71e+00 1	-	1.84e+00 02	9.58e+00 1	
1625	STL ENV_STR(al l)		Cent	Top	4.11e+00 2	8.56e+00 1	- 2.09e+00 2	5.13e+00 2	- 1.64e+00 1	-	5.22e+00 2	2.65e+00 2
			Bot	1.56e+00 01	- 4.55e+00 1	- 1.87e+00 2	1.57e+00 2	- 2.18e+00 2	-	3.26e+00 02	1.87e+00 2	
1626	STL ENV_STR(al l)		Cent	Top	3.03e+00 2	6.48e+00 1	- 2.57e+00 2	4.67e+00 2	- 9.91e+00 1	-	5.24e+00 2	2.83e+00 2
			Bot	7.57e+00 01	- 1.26e+00 1	- 1.73e+00 2	2.10e+00 2	- 1.47e+00 2	-	3.11e+00 02	1.79e+00 2	
1627	STL ENV_STR(al l)		Cent	Top	2.44e+00 2	2.23e+00 1	- 2.76e+00 2	4.31e+00 2	- 1.64e+00 2	-	5.32e+00 2	2.97e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.10e+02	4.70e+01	-1.55e+02	2.36e+02	-7.96e+01	-	2.84e+02	1.58e+02	
1628	STL ENV_STR (al1)		Cent	Top	2.15e+02	-5.45e+00	-2.38e+02	3.67e+02	-1.57e+02	-	4.66e+02	2.62e+02
			Bot	9.09e+01	1.08e+02	-1.65e+02	2.64e+02	-6.57e+01	-	3.03e+02	1.65e+02	
1629	STL ENV_STR (al1)		Cent	Top	3.74e+02	6.44e+01	-2.16e+02	4.86e+02	-4.66e+01	-	5.10e+02	2.66e+02
			Bot	-	1.19e+02	6.75e+01	-1.90e+02	9.87e+01	-2.86e+02	-	3.46e+02	1.92e+02
1630	STL ENV_STR (al1)		Cent	Top	2.53e+02	2.87e+01	-2.52e+02	4.17e+02	-1.35e+02	-	4.98e+02	2.76e+02
			Bot	-	1.20e+01	1.39e+00	-1.97e+02	1.90e+02	-2.04e+02	-	3.41e+02	1.97e+02
1631	STL ENV_STR (al1)		Cent	Top	1.61e+02	1.66e+00	-2.57e+02	3.51e+02	-1.88e+02	-	4.74e+02	2.70e+02
			Bot	5.40e+01	7.59e+01	-2.07e+02	2.72e+02	-1.42e+02	-	3.64e+02	2.07e+02	
1632	STL ENV_STR (al1)		Cent	Top	9.96e+01	-2.17e+01	-2.31e+02	2.78e+02	-2.00e+02	-	4.16e+02	2.39e+02
			Bot	8.42e+01	1.58e+02	-2.14e+02	3.38e+02	-9.59e+01	-	3.94e+02	2.17e+02	
1633	STL ENV_STR (al1)		Cent	Top	3.21e+02	2.72e+01	-2.10e+02	4.30e+02	-8.21e+01	-	4.77e+02	2.56e+02
			Bot	-	2.09e+02	8.50e+01	-2.03e+02	6.54e+01	-3.59e+02	-	3.96e+02	2.12e+02
1634	STL ENV_STR (al1)		Cent	Top	1.72e+02	-2.02e+01	-2.36e+02	3.31e+02	-1.79e+02	-	4.48e+02	2.55e+02
			Bot	-	7.03e+01	1.13e+01	-2.32e+02	2.06e+02	-2.65e+02	-	4.10e+02	2.36e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1635	STL ENV_STR(al l)		Cent	Top	6.81e+00 1	- 4.96e+00 1	- 2.39e+00 2	2.55e+00 2	- 2.37e+00 2	-	4.26e+00 2	2.46e+00 2
			Bot	01	1.50e+00 2	1.28e+00 2	- 2.51e+00 2	3.29e+00 2	- 1.86e+00 2	-	4.52e+00 2	2.58e+00 2
1636	STL ENV_STR(al l)		Cent	Top	- 8.56e+00 0	- 6.43e+00 1	- 2.13e+00 2	1.78e+00 2	- 2.51e+00 2	-	3.73e+00 2	2.14e+00 2
			Bot	01	7.49e+00 2	2.36e+00 2	- 2.55e+00 2	4.24e+00 2	- 1.12e+00 2	-	4.89e+00 2	2.68e+00 2
1637	STL ENV_STR(al l)		Cent	Top	2.02e+00 2	- 3.86e+00 1	- 1.85e+00 2	3.02e+00 2	- 1.39e+00 2	-	3.91e+00 2	2.21e+00 2
			Bot	-	2.69e+00 02	- 8.75e+00 1	- 2.26e+00 2	6.54e+00 1	- 4.22e+00 2	-	4.58e+00 02	2.44e+00 2
1638	STL ENV_STR(al l)		Cent	Top	6.58e+00 1	- 1.05e+00 2	- 2.00e+00 2	1.98e+00 2	- 2.37e+00 2	-	3.77e+00 2	2.18e+00 2
			Bot	-	1.28e+00 02	5.15e+00 1	- 2.79e+00 2	2.55e+00 2	- 3.31e+00 2	-	5.10e+00 02	2.93e+00 2
1639	STL ENV_STR(al l)		Cent	Top	- 3.29e+00 1	- 1.24e+00 2	- 2.10e+00 2	1.37e+00 2	- 2.93e+00 2	-	3.80e+00 2	2.15e+00 2
			Bot	-	2.68e+00 01	2.07e+00 2	- 2.90e+00 2	4.03e+00 2	- 2.23e+00 2	-	5.49e+00 02	3.13e+00 2
1640	STL ENV_STR(al l)		Cent	Top	- 1.20e+00 2	- 1.33e+00 2	- 1.79e+00 2	5.31e+00 1	- 3.06e+00 2	-	3.36e+00 2	1.80e+00 2
			Bot	01	7.59e+00 2	3.53e+00 2	- 2.86e+00 2	5.32e+00 2	- 1.03e+00 2	-	5.90e+00 02	3.18e+00 2
1641	STL ENV_STR(al l)		Cent	Top	- 6.14e+00 1	- 1.64e+00 2	- 1.37e+00 2	3.39e+00 1	- 2.59e+00 2	-	2.78e+00 2	1.47e+00 2
			Bot	-	2.87e+00 02	- 3.75e+00 1	- 2.49e+00 2	1.16e+00 2	- 4.41e+00 2	-	5.10e+00 02	2.79e+00 2
1642	STL ENV_STR(al l)		Cent	Top	- 6.39e+00 1	- 1.75e+00 2	- 1.28e+00 2	1.99e+00 1	- 2.59e+00 2	-	2.69e+00 2	1.39e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.34e+002	7.41e+001	3.31e+002	2.85e+002	4.45e+002	-	6.37e+002	3.65e+002	
1643	STL ENV_STR(al1)		Cent	Top	1.47e+002	2.00e+002	1.26e+002	4.52e+001	3.02e+002	-	2.82e+002	1.51e+002
			Bot	7.46e+001	3.00e+002	3.37e+002	4.98e+002	2.73e+002	-	6.77e+002	3.85e+002	
1644	STL ENV_STR(al1)		Cent	Top	2.28e+002	2.44e+002	8.97e+001	1.46e+002	3.26e+002	-	2.83e+002	1.63e+002
			Bot	1.01e+002	5.26e+002	3.22e+002	6.99e+002	7.21e+001	-	7.38e+002	3.86e+002	
1645	STL ENV_STR(al1)		Cent	Top	4.61e+002	1.90e+001	6.65e+001	9.22e+000	4.71e+002	-	4.66e+002	2.35e+002
			Bot	4.83e+002	2.44e+002	2.14e+002	1.19e+002	6.08e+002	-	5.58e+002	3.04e+002	
1646	STL ENV_STR(al1)		Cent	Top	2.43e+002	4.91e+001	2.81e+001	4.51e+001	2.47e+002	-	2.27e+002	1.23e+002
			Bot	4.09e+002	7.71e+001	3.37e+002	1.32e+002	6.19e+002	-	6.94e+002	3.75e+002	
1647	STL ENV_STR(al1)		Cent	Top	2.69e+002	2.46e+002	9.52e+001	1.61e+002	3.53e+002	-	3.06e+002	1.77e+002
			Bot	1.01e+002	3.78e+002	3.95e+002	6.01e+002	3.23e+002	-	8.13e+002	4.62e+002	
1648	STL ENV_STR(al1)		Cent	Top	2.89e+002	5.21e+002	1.10e+002	2.46e+002	5.64e+002	-	4.90e+002	2.82e+002
			Bot	1.71e+002	8.57e+002	3.62e+002	1.01e+003	1.54e+001	-	1.01e+003	5.06e+002	
1649	STL ENV_STR(al1)		Cent	Top	5.08e+002	9.79e+001	2.42e+002	6.20e+002	1.46e+001	-	6.28e+002	3.17e+002
			Bot	1.34e+001	1.01e+002	7.53e+001	5.08e+001	1.38e+002	-	1.69e+002	9.45e+001	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1650	STL ENV_STR(al l)		Cent	Top	2.91e+00 2	- 5.11e+00 1	2.32e+00 2	4.09e+00 2	- 1.68e+00 2	-	5.14e+00 2	2.88e+00 2
			Bot	02	2.83e+00 1	6.74e+00 2	1.00e+00 2	3.23e+00 2	2.79e+00 1	-	3.10e+00 02	1.61e+00 2
1651	STL ENV_STR(al l)		Cent	Top	2.84e+00 2	- 1.31e+00 2	2.11e+00 2	3.73e+00 2	- 2.19e+00 2	-	5.19e+00 2	2.96e+00 2
			Bot	02	4.10e+00 2	2.10e+00 2	1.21e+00 2	4.68e+00 2	1.53e+00 2	-	4.13e+00 02	2.34e+00 2
1652	STL ENV_STR(al l)		Cent	Top	5.20e+00 2	- 1.01e+00 2	1.70e+00 2	5.63e+00 2	- 1.45e+00 2	-	6.48e+00 2	3.54e+00 2
			Bot	02	3.70e+00 02	2.16e+00 2	1.31e+00 2	4.45e+00 2	1.41e+00 2	-	3.93e+00 02	2.22e+00 2
1653	STL ENV_STR(al l)		Cent	Top	3.67e+00 2	- 4.44e+00 0	2.44e+00 2	4.88e+00 2	- 1.25e+00 2	-	5.61e+00 2	3.07e+00 2
			Bot	01	8.46e+00 01	6.81e+00 1	9.45e+00 1	1.71e+00 2	- 1.85e+00 1	-	1.81e+00 02	9.48e+00 1
1654	STL ENV_STR(al l)		Cent	Top	3.11e+00 2	1.41e+00 1	2.94e+00 2	4.92e+00 2	- 1.67e+00 2	-	5.94e+00 2	3.30e+00 2
			Bot	02	1.84e+00 02	2.48e+00 1	1.00e+00 2	2.32e+00 2	- 2.34e+00 1	-	2.45e+00 02	1.28e+00 2
1655	STL ENV_STR(al l)		Cent	Top	3.07e+00 2	5.03e+00 1	2.63e+00 2	4.72e+00 2	- 1.14e+00 2	-	5.38e+00 2	2.93e+00 2
			Bot	02	2.30e+00 02	1.94e+00 1	1.47e+00 2	3.05e+00 2	- 5.59e+00 1	-	3.37e+00 02	1.81e+00 2
1656	STL ENV_STR(al l)		Cent	Top	4.72e+00 2	1.21e+00 2	1.98e+00 2	5.61e+00 2	3.24e+00 1	-	5.46e+00 2	2.80e+00 2
			Bot	01	9.38e+00 01	- 4.60e+00 1	1.78e+00 2	2.15e+00 2	- 1.67e+00 2	-	3.32e+00 02	1.91e+00 2
1657	STL ENV_STR(al l)		Cent	Top	2.18e+00 2	- 5.00e+00 0	2.39e+00 2	3.70e+00 2	- 1.57e+00 2	-	4.69e+00 2	2.64e+00 2
			Bot	01	8.89e+00 01	1.07e+00 2	1.64e+00 2	2.63e+00 2	- 6.65e+00 1	-	3.02e+00 02	1.65e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1658	STL ENV_STR(a11)		Cent	Top	2.46e+02	2.29e+01	2.78e+02	4.34e+02	-1.65e+02	-	5.36e+02	2.99e+02
			Bot	02	1.08e+01	4.66e+01	1.54e+02	2.34e+02	-7.97e+01	-	2.83e+02	1.57e+02
1659	STL ENV_STR(a11)		Cent	Top	3.04e+02	6.54e+01	2.59e+02	4.70e+02	-1.00e+02	-	5.27e+02	2.85e+02
			Bot	01	7.48e+01	-1.30e+01	1.72e+02	2.09e+02	-1.47e+02	-	3.09e+02	1.78e+02
1660	STL ENV_STR(a11)		Cent	Top	4.11e+02	8.57e+01	2.11e+02	5.15e+02	-1.78e+01	-	5.24e+02	2.66e+02
			Bot	01	1.56e+01	-4.56e+01	1.86e+02	1.56e+02	-2.17e+02	-	3.25e+02	1.87e+02
1661	STL ENV_STR(a11)		Cent	Top	1.01e+02	-2.21e+01	2.32e+02	2.80e+02	-2.01e+02	-	4.18e+02	2.40e+02
			Bot	01	8.29e+01	1.58e+02	2.13e+02	3.37e+02	-9.61e+01	-	3.94e+02	2.17e+02
1662	STL ENV_STR(a11)		Cent	Top	1.63e+02	1.53e+00	2.59e+02	3.53e+02	-1.89e+02	-	4.77e+02	2.71e+02
			Bot	01	5.29e+01	7.63e+01	2.06e+02	2.71e+02	-1.42e+02	-	3.63e+02	2.06e+02
1663	STL ENV_STR(a11)		Cent	Top	2.54e+02	2.87e+01	2.54e+02	4.19e+02	-1.37e+02	-	5.02e+02	2.78e+02
			Bot	01	1.28e+01	-1.24e+00	1.96e+02	1.89e+02	-2.03e+02	-	3.40e+02	1.96e+02
1664	STL ENV_STR(a11)		Cent	Top	3.75e+02	6.45e+01	2.18e+02	4.87e+02	-4.80e+01	-	5.13e+02	2.68e+02
			Bot	02	1.20e+01	-6.75e+01	1.90e+02	9.77e+01	-2.85e+02	-	3.45e+02	1.91e+02
1665	STL ENV_STR(a11)		Cent	Top	-7.66e+00	-6.52e+01	2.13e+02	1.79e+02	-2.52e+02	-	3.75e+02	2.15e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	7.43e+001	2.38e+002	2.55e+002	4.24e+002	-1.12e+002	-	4.90e+002	2.68e+002	
1666	STL ENV_STR (all)		Cent	Top	6.89e+001	-5.02e+001	2.40e+002	2.57e+002	-2.38e+002	-	4.29e+002	2.48e+002
			Bot	01	1.44e+002	1.29e+002	2.51e+002	3.29e+002	-1.85e+002	-	4.51e+002	2.57e+002
1667	STL ENV_STR (all)		Cent	Top	1.73e+002	-2.04e+001	2.38e+002	3.33e+002	-1.81e+002	-	4.51e+002	2.57e+002
			Bot	-01	7.09e+001	1.18e+002	2.32e+002	2.06e+002	-2.65e+002	-	4.09e+002	2.35e+002
1668	STL ENV_STR (all)		Cent	Top	3.22e+002	2.72e+001	2.12e+002	4.32e+002	-8.33e+001	-	4.79e+002	2.58e+002
			Bot	-02	2.09e+002	8.49e+001	2.02e+002	6.46e+001	-3.59e+002	-	3.95e+002	2.12e+002
1669	STL ENV_STR (all)		Cent	Top	-1.20e+002	-1.34e+002	1.80e+002	5.31e+001	-3.07e+002	-	3.37e+002	1.80e+002
			Bot	01	7.59e+002	3.55e+002	2.86e+002	5.33e+002	-1.03e+002	-	5.92e+002	3.18e+002
1670	STL ENV_STR (all)		Cent	Top	-3.26e+001	-1.25e+002	2.11e+002	1.37e+002	-2.95e+002	-	3.82e+002	2.16e+002
			Bot	-01	2.69e+002	2.08e+002	2.90e+002	4.04e+002	-2.23e+002	-	5.50e+002	3.13e+002
1671	STL ENV_STR (all)		Cent	Top	6.61e+001	-1.06e+002	2.01e+002	1.99e+002	-2.39e+002	-	3.80e+002	2.19e+002
			Bot	-02	1.28e+001	5.22e+001	2.79e+002	2.55e+002	-3.31e+002	-	5.09e+002	2.93e+002
1672	STL ENV_STR (all)		Cent	Top	2.03e+002	-3.86e+001	1.86e+002	3.04e+002	-1.40e+002	-	3.93e+002	2.22e+002
			Bot	-02	2.70e+001	8.74e+001	2.26e+002	6.49e+001	-4.22e+002	-	4.58e+002	2.43e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1673	STL ENV_STR(al l)		Cent	Top	- 2.28e+00 2	- 2.46e+00 2	8.99e+00 1	- 1.47e+00 2	- 3.28e+00 2	-	2.84e+00 2	1.64e+00 2
			Bot	1.01e+00 02	5.29e+00 2	3.22e+00 2	7.02e+00 2	- 7.15e+00 1	-	7.40e+00 02	3.87e+00 2	
1674	STL ENV_STR(al l)		Cent	Top	- 1.47e+00 2	- 2.02e+00 2	1.26e+00 2	- 4.56e+00 1	- 3.03e+00 2	-	2.83e+00 2	1.52e+00 2
			Bot	- 7.42e+00 01	3.02e+00 2	3.37e+00 2	5.00e+00 2	- 2.72e+00 2	-	6.78e+00 02	3.86e+00 2	
1675	STL ENV_STR(al l)		Cent	Top	- 6.39e+00 1	- 1.76e+00 2	1.28e+00 2	2.02e+00 1	- 2.60e+00 2	-	2.71e+00 2	1.40e+00 2
			Bot	- 2.34e+00 02	7.52e+00 1	3.31e+00 2	2.86e+00 2	- 4.45e+00 2	-	6.38e+00 02	3.65e+00 2	
1676	STL ENV_STR(al l)		Cent	Top	- 6.07e+00 1	- 1.64e+00 2	1.38e+00 2	3.50e+00 1	- 2.60e+00 2	-	2.79e+00 2	1.47e+00 2
			Bot	- 2.88e+00 02	3.74e+00 1	2.49e+00 2	1.16e+00 2	- 4.42e+00 2	-	5.10e+00 02	2.79e+00 2	
1677	STL ENV_STR(al l)		Cent	Top	- 2.90e+00 2	- 5.24e+00 2	- 1.10e+00 2	- 2.47e+00 2	- 5.67e+00 2	-	4.93e+00 2	2.84e+00 2
			Bot	1.72e+00 02	8.61e+00 2	3.63e+00 2	1.02e+00 3	1.62e+00 1	-	1.01e+00 03	5.08e+00 2	
1678	STL ENV_STR(al l)		Cent	Top	- 2.69e+00 2	- 2.49e+00 2	- 9.53e+00 1	- 1.63e+00 2	- 3.55e+00 2	-	3.08e+00 2	1.77e+00 2
			Bot	- 9.99e+00 01	3.81e+00 2	3.96e+00 2	6.04e+00 2	- 3.23e+00 2	-	8.15e+00 02	4.63e+00 2	
1679	STL ENV_STR(al l)		Cent	Top	- 2.43e+00 2	- 5.08e+00 1	- 2.81e+00 1	- 4.67e+00 1	- 2.47e+00 2	-	2.27e+00 2	1.24e+00 2
			Bot	- 4.09e+00 02	7.53e+00 1	3.37e+00 2	1.34e+00 2	- 6.18e+00 2	-	6.95e+00 02	3.76e+00 2	
1680	STL ENV_STR(al l)		Cent	Top	- 4.61e+00 2	- 1.95e+00 1	6.66e+00 1	- 9.67e+00 0	- 4.71e+00 2	-	4.66e+00 2	2.35e+00 2



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	4.83e+002	2.44e+002	2.14e+002	1.18e+002	6.09e+002	-	5.59e+002	3.04e+002	
1681	STL ENV_STR (al1)		Cent	Top	6.53e+002	1.12e+002	1.27e+002	6.81e+002	8.41e+001	-	6.43e+002	3.41e+002
			Bot	01	1.64e+001	4.82e+001	1.05e+002	9.40e+001	1.26e+002	-	1.91e+002	1.10e+002
1682	STL ENV_STR (al1)		Cent	Top	3.30e+002	2.67e+000	1.43e+002	3.84e+002	5.12e+001	-	4.12e+002	2.18e+002
			Bot	01	3.00e+001	9.79e+001	1.60e+002	2.27e+002	9.96e+001	-	2.90e+002	1.64e+002
1683	STL ENV_STR (al1)		Cent	Top	1.81e+002	1.81e+001	1.78e+002	2.85e+002	1.22e+002	-	3.62e+002	2.04e+002
			Bot	01	7.61e+001	1.55e+002	1.88e+002	3.08e+002	7.65e+001	-	3.52e+002	1.92e+002
1684	STL ENV_STR (al1)		Cent	Top	5.84e+001	4.22e+001	1.77e+002	1.92e+002	1.76e+002	-	3.18e+002	1.84e+002
			Bot	01	9.66e+001	2.25e+002	2.26e+002	3.95e+002	7.38e+001	-	4.37e+002	2.34e+002
1685	STL ENV_STR (al1)		Cent	Top	5.54e+001	8.02e+001	1.58e+002	9.08e+001	2.26e+002	-	2.83e+002	1.59e+002
			Bot	02	1.17e+002	3.21e+002	2.56e+002	4.94e+002	5.62e+001	-	5.25e+002	2.75e+002
1686	STL ENV_STR (al1)		Cent	Top	1.65e+002	1.50e+002	1.22e+002	3.58e+001	2.79e+002	-	2.63e+002	1.40e+002
			Bot	02	1.51e+002	4.63e+002	2.74e+002	6.23e+002	8.70e+000	-	6.27e+002	3.16e+002
1687	STL ENV_STR (al1)		Cent	Top	2.47e+002	3.05e+002	4.13e+001	2.25e+002	3.26e+002	-	2.89e+002	1.63e+002
			Bot	02	2.10e+002	6.95e+002	2.96e+002	8.35e+002	7.03e+001	-	8.03e+002	4.18e+002
168	STL ENV_STR (al1)		Cent	Top	2.45e+002	6.29e+002	3.94e+002	2.41e+002	6.33e+002	-	5.53e+002	3.17e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
8	1)		Cent		2	2	1	2	2		2	2	
			Bot	02	3.26e+00	1.08e+00	2.63e+00	1.16e+00	2.43e+00	-	1.06e+00	5.81e+00	
1689	STL ENV_STR(al l)		Cent	Top	3.10e+00	-	8.62e+00	5.12e+00	3.10e+00	-	8.71e+00	3.15e+00	1.60e+00
			Bot	01	9.46e+00	3.91e+00	1.32e+00	2.02e+00	-	6.84e+00	-	2.44e+00	1.35e+00
1690	STL ENV_STR(al l)		Cent	Top	2.37e+00	7.21e+00	8.32e+00	2.64e+00	-	1.97e+00	-	2.75e+00	1.42e+00
			Bot	01	7.00e+00	9.30e+00	1.90e+00	2.72e+00	-	1.09e+00	-	3.40e+00	1.91e+00
1691	STL ENV_STR(al l)		Cent	Top	1.29e+00	-	3.60e+00	1.09e+00	1.83e+00	-	8.99e+00	2.41e+00	1.36e+00
			Bot	01	8.32e+00	1.83e+00	2.12e+00	3.51e+00	-	8.52e+00	-	4.00e+00	2.18e+00
1692	STL ENV_STR(al l)		Cent	Top	2.77e+00	-	6.29e+00	1.12e+00	1.03e+00	-	1.38e+00	2.09e+00	1.20e+00
			Bot	02	1.10e+00	2.66e+00	2.33e+00	4.34e+00	-	5.78e+00	-	4.66e+00	2.46e+00
1693	STL ENV_STR(al l)		Cent	Top	-	7.00e+00	1.03e+00	9.19e+00	7.01e+00	-	1.80e+00	1.83e+00	9.34e+00
			Bot	02	1.40e+00	3.72e+00	2.52e+00	5.33e+00	-	2.10e+00	-	5.44e+00	2.77e+00
1694	STL ENV_STR(al l)		Cent	Top	-	1.58e+00	1.75e+00	5.51e+00	1.11e+00	-	2.22e+00	1.92e+00	1.11e+00
			Bot	02	1.83e+00	5.19e+00	2.61e+00	6.61e+00	4.07e+00	-	6.42e+00	3.31e+00	
1695	STL ENV_STR(al l)		Cent	Top	-	2.11e+00	3.25e+00	2.12e+00	2.07e+00	-	3.29e+00	2.88e+00	1.65e+00
			Bot	02	2.51e+00	7.43e+00	2.41e+00	8.41e+00	1.52e+00	-	7.77e+00	4.21e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1696	STL ENV_STR(al l)		Cent	Top	- 1.89e+00 2	- 6.25e+00 2	5.60e- 001	- 1.89e+00 2	- 6.25e+00 2	-	5.56e+00 2	3.13e+00 2
			Bot	02	3.66e+0 02	1.09e+00 3	1.92e+00 2	1.13e+00 3	3.18e+00 2	-	1.01e+0 03	5.67e+00 2
1697	STL ENV_STR(al l)		Cent	Top	1.34e+00 2	- 1.13e+00 1	- 1.48e+00 1	1.36e+00 2	- 1.28e+00 1	-	1.42e+00 2	7.42e+00 1
			Bot	01	8.11e+0 01	2.82e+00 1	1.03e+00 2	1.61e+00 2	- 5.21e+00 1	-	1.93e+0 02	1.07e+00 2
1698	STL ENV_STR(al l)		Cent	Top	1.27e+00 2	- 3.70e+00 1	3.52e+00 1	1.34e+00 2	- 4.42e+00 1	-	1.61e+00 2	8.91e+00 1
			Bot	01	9.63e+0 01	1.08e+00 2	1.73e+00 2	2.75e+00 2	- 7.08e+00 1	-	3.16e+0 02	1.73e+00 2
1699	STL ENV_STR(al l)		Cent	Top	7.76e+00 1	- 5.77e+00 1	5.41e+00 1	9.65e+00 1	- 7.67e+00 1	-	1.50e+00 2	8.66e+00 1
			Bot	02	1.03e+0 02	1.95e+00 2	2.09e+00 2	3.63e+00 2	- 6.56e+00 1	-	4.00e+0 02	2.14e+00 2
1700	STL ENV_STR(al l)		Cent	Top	9.32e+00 0	- 8.83e+00 1	5.10e+00 1	3.11e+00 1	- 1.10e+00 2	-	1.28e+00 2	7.06e+00 1
			Bot	02	1.20e+0 02	2.88e+00 2	2.30e+00 2	4.49e+00 2	- 4.11e+00 1	-	4.71e+0 02	2.45e+00 2
1701	STL ENV_STR(al l)		Cent	Top	- 5.97e+00 1	- 1.29e+00 2	3.36e+00 1	- 4.61e+00 1	- 1.43e+00 2	-	1.26e+00 2	7.13e+00 1
			Bot	02	1.46e+0 02	3.92e+00 2	2.41e+00 2	5.39e+00 2	-9.75e- 001	-	5.40e+0 02	2.70e+00 2
1702	STL ENV_STR(al l)		Cent	Top	- 1.16e+00 2	- 1.98e+00 2	8.58e+00 0	- 1.15e+00 2	- 1.99e+00 2	-	1.73e+00 2	9.95e+00 1
			Bot	02	1.81e+0 02	5.23e+00 2	2.37e+00 2	6.45e+00 2	5.95e+00 1	-	6.17e+0 02	3.22e+00 2
1703	STL ENV_STR(al l)		Cent	Top	- 1.44e+00 2	- 3.10e+00 2	- 3.57e+00 0	- 1.44e+00 2	- 3.10e+00 2	-	2.69e+00 2	1.55e+00 2
			Bot	02	2.32e+0 02	6.87e+00 2	2.10e+00 2	7.69e+00 2	1.50e+00 2	-	7.06e+0 02	3.85e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1704	STL ENV_STR(al l)		Cent	Top	- 1.14e+00 2	- 5.28e+00 2	7.77e+00 1	- 1.00e+00 2	- 5.42e+00 2	-	5.00e+00 2	2.71e+00 2
			Bot	02	3.27e+0 2	9.29e+00 2	1.13e+00 2	9.50e+00 2	3.06e+00 2	-	8.40e+0 02	4.75e+00 2
1705	STL ENV_STR(al l)		Cent	Top	3.49e+00 1	- 3.59e+00 1	- 1.83e+00 1	3.93e+00 1	- 4.04e+00 1	-	6.90e+00 1	3.98e+00 1
			Bot	01	5.09e+0 01	5.73e+00 1	7.01e+00 1	1.24e+00 2	- 1.60e+00 1	-	1.33e+0 02	7.01e+00 1
1706	STL ENV_STR(al l)		Cent	Top	5.78e+00 1	- 6.35e+00 1	2.63e+00 0	5.78e+00 1	- 6.36e+00 1	-	1.05e+00 2	6.07e+00 1
			Bot	01	8.57e+0 01	1.38e+00 2	1.42e+00 2	2.56e+00 2	- 3.25e+00 1	-	2.74e+0 02	1.44e+00 2
1707	STL ENV_STR(al l)		Cent	Top	3.89e+00 1	- 8.68e+00 1	1.11e+00 1	3.99e+00 1	- 8.78e+00 1	-	1.13e+00 2	6.38e+00 1
			Bot	02	1.05e+0 02	2.17e+00 2	1.89e+00 2	3.58e+00 2	- 3.64e+00 1	-	3.78e+0 02	1.97e+00 2
1708	STL ENV_STR(al l)		Cent	Top	1.65e+00 0	- 1.13e+00 2	4.93e+00 0	1.86e+00 0	- 1.14e+00 2	-	1.14e+00 2	5.77e+00 1
			Bot	02	1.22e+0 02	3.01e+00 2	2.16e+00 2	4.46e+00 2	- 2.20e+00 1	-	4.57e+0 02	2.34e+00 2
1709	STL ENV_STR(al l)		Cent	Top	- 3.93e+00 1	- 1.51e+00 2	- 7.21e+00 0	- 3.89e+00 1	- 1.51e+00 2	-	1.36e+00 2	7.57e+00 1
			Bot	02	1.42e+0 02	3.91e+00 2	2.25e+00 2	5.23e+00 2	9.57e+00 0	-	5.18e+0 02	2.62e+00 2
1710	STL ENV_STR(al l)		Cent	Top	- 6.90e+00 1	- 2.08e+00 2	- 1.68e+00 1	- 6.70e+00 1	- 2.10e+00 2	-	1.86e+00 2	1.05e+00 2
			Bot	02	1.63e+0 02	4.90e+00 2	2.15e+00 2	5.96e+00 2	5.71e+00 1	-	5.70e+0 02	2.98e+00 2
1711	STL ENV_STR(al l)		Cent	Top	- 7.21e+00 1	- 2.93e+00 2	-5.51e- 001	- 7.21e+00 1	- 2.93e+00 2	-	2.64e+00 2	1.46e+00 2
			Bot	02	1.83e+0 02	6.00e+00 2	1.77e+00 2	6.65e+00 2	1.18e+00 2	-	6.14e+0 02	3.32e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1712	STL ENV_STR(al l)		Cent	Top	- 5.16e+00 1	- 3.24e+00 2	9.42e+00 1	- 2.22e+00 1	- 3.53e+00 2	-	3.42e+00 2	1.76e+00 2
			Bot	2.06e+00 02	6.33e+00 2	1.01e+00 2	6.55e+00 2	1.83e+00 2	-	5.85e+00 02	3.28e+00 2	
1713	STL ENV_STR(al l)		Cent	Top	6.46e+00 2	1.09e+00 2	- 1.24e+00 2	6.74e+00 2	8.11e+00 1	-	6.37e+00 2	3.37e+00 2
			Bot	2.11e+00 01	- 4.43e+00 1	- 1.07e+00 2	1.00e+00 2	- 1.23e+00 2	-	1.94e+00 02	1.12e+00 2	
1714	STL ENV_STR(al l)		Cent	Top	3.26e+00 2	1.33e+00 0	- 1.42e+00 2	3.79e+00 2	- 5.23e+00 1	-	4.08e+00 2	2.16e+00 2
			Bot	3.31e+00 01	9.91e+00 1	- 1.60e+00 2	2.30e+00 2	- 9.73e+00 1	-	2.91e+00 02	1.63e+00 2	
1715	STL ENV_STR(al l)		Cent	Top	1.79e+00 2	- 1.84e+00 1	- 1.77e+00 2	2.82e+00 2	- 1.22e+00 2	-	3.60e+00 2	2.02e+00 2
			Bot	7.80e+00 01	1.55e+00 2	- 1.88e+00 2	3.09e+00 2	- 7.53e+00 1	-	3.52e+00 02	1.92e+00 2	
1716	STL ENV_STR(al l)		Cent	Top	5.67e+00 1	- 4.16e+00 1	- 1.76e+00 2	1.90e+00 2	- 1.75e+00 2	-	3.16e+00 2	1.83e+00 2
			Bot	9.78e+00 01	2.24e+00 2	- 2.25e+00 2	3.95e+00 2	- 7.32e+00 1	-	4.36e+00 02	2.34e+00 2	
1717	STL ENV_STR(al l)		Cent	Top	- 5.62e+00 1	- 7.89e+00 1	- 1.58e+00 2	9.04e+00 1	- 2.26e+00 2	-	2.82e+00 2	1.58e+00 2
			Bot	1.17e+00 02	3.19e+00 2	- 2.55e+00 2	4.93e+00 2	- 5.61e+00 1	-	5.23e+00 02	2.74e+00 2	
1718	STL ENV_STR(al l)		Cent	Top	- 1.65e+00 2	- 1.49e+00 2	- 1.21e+00 2	- 3.51e+00 1	- 2.78e+00 2	-	2.62e+00 2	1.39e+00 2
			Bot	1.51e+00 02	4.61e+00 2	- 2.74e+00 2	6.21e+00 2	- 8.94e+00 0	-	6.25e+00 02	3.15e+00 2	
1719	STL ENV_STR(al l)		Cent	Top	- 2.46e+00 2	- 3.02e+00 2	- 4.14e+00 1	- 2.24e+00 2	- 3.24e+00 2	-	2.87e+00 2	1.62e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	2.10e+02	6.92e+02	-2.95e+02	8.32e+02	6.97e+01	-	8.00e+02	4.16e+02	
1720	STL ENV_STR(al1)		Cent	Top	-2.44e+02	-6.25e+02	3.91e+01	-2.40e+02	-6.29e+02	-	5.50e+02	3.15e+02
			Bot	3.25e+02	1.07e+03	-2.62e+02	1.16e+03	2.42e+02	-	1.06e+03	5.78e+02	
1721	STL ENV_STR(al1)		Cent	Top	3.07e+02	-8.80e+00	-4.50e+00	3.07e+02	-8.87e+00	-	3.11e+02	1.58e+02
			Bot	9.69e+01	3.91e+01	-1.33e+02	2.04e+02	-6.77e+01	-	2.45e+02	1.36e+02	
1722	STL ENV_STR(al1)		Cent	Top	2.34e+02	6.29e+00	-8.26e+01	2.61e+02	-2.05e+01	-	2.72e+02	1.41e+02
			Bot	7.20e+01	9.37e+01	-1.90e+02	2.73e+02	-1.08e+02	-	3.40e+02	1.91e+02	
1723	STL ENV_STR(al1)		Cent	Top	1.27e+02	-3.59e+01	-1.08e+02	1.81e+02	-9.00e+01	-	2.39e+02	1.36e+02
			Bot	8.46e+01	1.82e+02	-2.12e+02	3.51e+02	-8.40e+01	-	4.00e+02	2.17e+02	
1724	STL ENV_STR(al1)		Cent	Top	2.64e+01	-6.21e+01	-1.11e+02	1.02e+02	-1.38e+02	-	2.08e+02	1.20e+02
			Bot	1.11e+02	2.65e+02	-2.33e+02	4.33e+02	-5.71e+01	-	4.64e+02	2.45e+02	
1725	STL ENV_STR(al1)		Cent	Top	-7.07e+01	-1.01e+02	9.18e+01	7.12e+00	-1.79e+02	-	1.83e+02	9.30e+01
			Bot	1.40e+02	3.70e+02	-2.51e+02	5.31e+02	-2.07e+01	-	5.42e+02	2.76e+02	
1726	STL ENV_STR(al1)		Cent	Top	-1.58e+02	-1.72e+02	-5.51e+01	-1.10e+02	-2.21e+02	-	1.91e+02	1.10e+02
			Bot	1.83e+02	5.16e+02	-2.60e+02	6.58e+02	4.06e+01	-	6.39e+02	3.29e+02	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1727	STL ENV_STR(al l)		Cent	Top	- 2.10e+00 2	- 3.22e+00 2	- 2.15e+00 1	- 2.06e+00 2	- 3.26e+00 2	-	2.86e+00 2	1.63e+00 2
			Bot	02	2.50e+00 2	7.39e+00 2	- 2.40e+00 2	8.38e+00 2	1.52e+00 2	-	7.73e+00 02	4.19e+00 2
1728	STL ENV_STR(al l)		Cent	Top	- 1.88e+00 2	- 6.21e+00 2	- -9.57e- 001	- 1.88e+00 2	- 6.21e+00 2	-	5.52e+00 2	3.11e+00 2
			Bot	02	3.65e+00 02	1.08e+00 3	- 1.91e+00 2	1.13e+00 3	3.17e+00 2	-	1.01e+00 03	5.64e+00 2
1729	STL ENV_STR(al l)		Cent	Top	1.32e+00 2	- 1.14e+00 1	1.49e+00 1	1.34e+00 2	- 1.29e+00 1	-	1.41e+00 2	7.33e+00 1
			Bot	01	8.23e+00 01	2.83e+00 1	- 1.03e+00 2	1.62e+00 2	5.15e+00 1	-	1.93e+00 02	1.07e+00 2
1730	STL ENV_STR(al l)		Cent	Top	1.25e+00 2	- 3.70e+00 1	- 3.49e+00 1	1.32e+00 2	- 4.42e+00 1	-	1.59e+00 2	8.82e+00 1
			Bot	01	9.73e+00 01	1.07e+00 2	- 1.72e+00 2	2.75e+00 2	- 7.00e+00 1	-	3.16e+00 02	1.72e+00 2
1731	STL ENV_STR(al l)		Cent	Top	7.62e+00 1	- 5.73e+00 1	- 5.39e+00 1	9.53e+00 1	- 7.64e+00 1	-	1.49e+00 2	8.58e+00 1
			Bot	02	1.03e+00 02	1.94e+00 2	- 2.09e+00 2	3.62e+00 2	- 6.48e+00 1	-	3.99e+00 02	2.14e+00 2
1732	STL ENV_STR(al l)		Cent	Top	8.40e+00 0	- 8.72e+00 1	- 5.10e+00 1	3.05e+00 1	- 1.09e+00 2	-	1.27e+00 2	6.99e+00 1
			Bot	02	1.21e+00 02	2.86e+00 2	- 2.30e+00 2	4.48e+00 2	- 4.06e+00 1	-	4.69e+00 02	2.44e+00 2
1733	STL ENV_STR(al l)		Cent	Top	- 6.00e+00 1	- 1.27e+00 2	- 3.37e+00 1	- 4.60e+00 1	- 1.41e+00 2	-	1.25e+00 2	7.07e+00 1
			Bot	02	1.46e+00 02	3.90e+00 2	- 2.40e+00 2	5.37e+00 2	- -8.00e- 001	-	5.37e+00 02	2.69e+00 2
1734	STL ENV_STR(al l)		Cent	Top	- 1.16e+00 2	- 1.96e+00 2	- 8.87e+00 0	- 1.15e+00 2	- 1.97e+00 2	-	1.71e+00 2	9.83e+00 1

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
			Bot	1.80e+02	5.20e+02	-2.36e+02	6.41e+02	5.93e+01	-	6.14e+02	3.21e+02			
1735	STL ENV_STR(al1)		Cent	Top	-	1.44e+02	3.07e+02	3.11e+00	-	1.44e+02	3.07e+02	-	2.66e+02	1.53e+02
			Bot	2.31e+02	6.84e+02	-2.09e+02	7.65e+02	1.49e+02	-	7.02e+02	3.83e+02			
1736	STL ENV_STR(al1)		Cent	Top	-	1.13e+02	5.24e+02	7.82e+01	-	9.89e+01	5.38e+02	-	4.96e+02	2.69e+02
			Bot	3.25e+02	9.25e+02	-1.12e+02	9.45e+02	3.05e+02	-	8.35e+02	4.72e+02			
1737	STL ENV_STR(al1)		Cent	Top	3.40e+01	-3.57e+01	1.84e+01	3.86e+01	-	4.03e+01	-	6.83e+01	3.94e+01	
			Bot	5.14e+01	5.71e+01	-7.00e+01	1.24e+02	-1.58e+01	-	1.33e+02	7.00e+01			
1738	STL ENV_STR(al1)		Cent	Top	5.68e+01	-6.31e+01	-2.51e+00	5.68e+01	-	6.31e+01	-	1.04e+02	6.00e+01	
			Bot	8.62e+01	1.37e+02	-1.42e+02	2.56e+02	-3.21e+01	-	2.73e+02	1.44e+02			
1739	STL ENV_STR(al1)		Cent	Top	3.81e+01	-8.60e+01	1.11e+01	3.91e+01	-	8.70e+01	-	1.12e+02	6.30e+01	
			Bot	1.05e+02	2.16e+02	-1.89e+02	3.57e+02	-3.60e+01	-	3.76e+02	1.96e+02			
1740	STL ENV_STR(al1)		Cent	Top	1.11e+00	-1.12e+02	5.13e+00	1.35e+00	-	1.12e+02	-	1.13e+02	5.68e+01	
			Bot	1.23e+02	2.99e+02	-2.15e+02	4.44e+02	-2.17e+01	-	4.55e+02	2.33e+02			
1741	STL ENV_STR(al1)		Cent	Top	-	3.95e+01	1.49e+02	6.85e+00	-	3.91e+01	1.49e+02	-	1.34e+02	7.47e+01
			Bot	1.42e+02	3.88e+02	-2.24e+02	5.20e+02	9.64e+00	-	5.16e+02	2.60e+02			



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1742	STL ENV_STR(al l)		Cent	Top	- 6.87e+00 1	- 2.05e+00 2	1.63e+00 1	- 6.68e+00 1	- 2.07e+00 2	-	1.83e+00 2	1.04e+00 2
			Bot	02	1.63e+00 2	4.87e+00 2	- 2.13e+00 2	5.92e+00 2	5.68e+00 1	-	5.66e+00 02	2.96e+00 2
1743	STL ENV_STR(al l)		Cent	Top	- 7.13e+00 1	- 2.89e+00 2	-4.68e- 002	- 7.13e+00 1	- 2.89e+00 2	-	2.61e+00 2	1.45e+00 2
			Bot	02	1.82e+00 2	5.96e+00 2	- 1.75e+00 2	6.60e+00 2	1.18e+00 2	-	6.10e+00 02	3.30e+00 2
1744	STL ENV_STR(al l)		Cent	Top	- 5.04e+00 1	- 3.19e+00 2	- 9.48e+00 1	- 2.03e+00 1	- 3.49e+00 2	-	3.40e+00 2	1.75e+00 2
			Bot	02	2.04e+00 2	6.28e+00 2	- 9.93e+00 1	6.50e+00 2	1.82e+00 2	-	5.81e+00 02	3.25e+00 2
1753	STL ENV_STR(al l)		Cent	Top	2.88e+00 1	7.81e+00 1	5.51e+00 1	1.14e+00 2	- 6.91e+00 0	-	1.17e+00 2	6.04e+00 1
			Bot	01	1.35e+00 01	- 4.67e+00 1	- 3.29e+00 1	2.79e+00 1	- 6.12e+00 1	-	7.89e+00 01	4.46e+00 1
1754	STL ENV_STR(al l)		Cent	Top	6.39e+00 1	1.77e+00 2	1.17e+00 2	2.50e+00 2	- 9.20e+00 0	-	2.55e+00 2	1.30e+00 2
			Bot	01	1.29e+00 01	- 8.70e+00 1	- 2.25e+00 1	1.77e+00 1	- 9.19e+00 1	-	1.02e+00 02	5.48e+00 1
1755	STL ENV_STR(al l)		Cent	Top	9.14e+00 1	2.58e+00 2	1.63e+00 2	3.58e+00 2	- 8.37e+00 0	-	3.62e+00 2	1.83e+00 2
			Bot	01	1.13e+00 01	- 1.09e+00 2	- 2.19e+00 1	1.52e+00 1	- 1.13e+00 2	-	1.21e+00 02	6.40e+00 1
1756	STL ENV_STR(al l)		Cent	Top	1.12e+00 2	3.20e+00 2	1.97e+00 2	4.39e+00 2	- 7.13e+00 0	-	4.43e+00 2	2.23e+00 2
			Bot	00	- 1.92e+00 00	- 1.31e+00 2	- 2.82e+00 1	3.95e+00 0	- 1.37e+00 2	-	1.39e+00 02	7.05e+00 1
1757	STL ENV_STR(al		Cent	Top	1.29e+00 2	3.79e+00 2	2.08e+00 2	4.97e+00 2	1.13e+00 1	-	4.91e+00 2	2.48e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	l)		Bot	2.00e+001	1.58e+002	3.26e+001	1.27e+001	1.66e+002	-	1.60e+002	8.28e+001	
1758	STL ENV_STR (al1)		Cent	Top	1.42e+002	4.38e+002	1.96e+002	5.35e+002	4.47e+001	-	5.14e+002	2.68e+002
			Bot	3.34e+001	1.96e+002	2.49e+001	2.96e+001	2.00e+002	-	1.86e+002	9.98e+001	
1759	STL ENV_STR (al1)		Cent	Top	1.49e+002	4.83e+002	1.58e+002	5.46e+002	8.66e+001	-	5.08e+002	2.73e+002
			Bot	4.24e+001	2.32e+002	1.45e+001	4.13e+001	2.33e+002	-	2.16e+002	1.17e+002	
1760	STL ENV_STR (al1)		Cent	Top	1.41e+002	4.86e+002	1.31e+002	5.30e+002	9.65e+001	-	4.89e+002	2.65e+002
			Bot	7.06e+001	2.37e+002	7.67e+001	4.07e+001	2.67e+002	-	2.49e+002	1.34e+002	
1761	STL ENV_STR (al1)		Cent	Top	1.16e+002	4.21e+002	1.27e+002	4.67e+002	6.96e+001	-	4.36e+002	2.33e+002
			Bot	8.84e+001	1.66e+002	5.87e+001	5.69e+001	1.98e+002	-	1.76e+002	9.88e+001	
1762	STL ENV_STR (al1)		Cent	Top	1.29e+002	4.00e+002	1.65e+002	4.78e+002	5.10e+001	-	4.55e+002	2.39e+002
			Bot	4.13e+001	1.66e+002	2.10e+000	4.12e+001	1.66e+002	-	1.50e+002	8.32e+001	
1763	STL ENV_STR (al1)		Cent	Top	1.25e+002	3.93e+002	1.91e+002	4.93e+002	2.62e+001	-	4.80e+002	2.46e+002
			Bot	1.72e+001	1.62e+002	2.93e+001	1.15e+001	1.68e+002	-	1.63e+002	8.40e+001	
1764	STL ENV_STR (al1)		Cent	Top	1.15e+002	3.76e+002	1.99e+002	4.84e+002	6.95e+000	-	4.80e+002	2.42e+002
			Bot	1.11e+001	1.50e+002	4.50e+001	2.25e+000	1.63e+002	-	1.64e+002	8.26e+001	
1765	STL ENV_STR (al1)		Cent	Top	8.19e+001	3.35e+002	1.20e+002	3.83e+002	3.37e+001	-	3.67e+002	1.91e+002
			Bot	7.09e+001	7.55e+001	2.57e+001	4.74e+001	9.90e+001	-	8.58e+001	4.95e+001	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1766	STL ENV_STR(al l)		Cent	Top	1.18e+00 2	3.48e+00 2	1.74e+00 2	4.41e+00 2	2.41e+00 1	-	4.30e+00 2	2.21e+00 2
			Bot	01	2.76e+00 1	9.07e+00 1	1.33e+00 1	2.49e+00 1	9.33e+00 1	-	8.37e+00 01	4.67e+00 1
1767	STL ENV_STR(al l)		Cent	Top	8.47e+00 1	2.31e+00 2	1.02e+00 2	2.84e+00 2	3.24e+00 1	-	2.69e+00 2	1.42e+00 2
			Bot	01	3.38e+00 1	3.74e+00 1	3.89e+00 1	5.45e+00 1	5.10e+00 1	-	9.14e+00 01	5.28e+00 1
1768	STL ENV_STR(al l)		Cent	Top	1.20e+00 2	3.73e+00 2	2.04e+00 2	4.86e+00 2	6.50e+00 0	-	4.83e+00 2	2.43e+00 2
			Bot	01	1.53e+00 1	1.18e+00 2	3.88e+00 1	2.31e+00 0	1.31e+00 2	-	1.30e+00 02	6.56e+00 1
1769	STL ENV_STR(al l)		Cent	Top	7.91e+00 1	2.87e+00 2	1.64e+00 2	3.77e+00 2	1.15e+00 1	-	3.83e+00 2	1.94e+00 2
			Bot	00	2.91e+00 00	1.19e+00 2	4.79e+00 1	1.42e+00 1	1.37e+00 2	-	1.44e+00 02	7.54e+00 1
1770	STL ENV_STR(al l)		Cent	Top	1.11e+00 2	3.79e+00 2	2.08e+00 2	4.92e+00 2	2.48e+00 0	-	4.93e+00 2	2.47e+00 2
			Bot	01	1.65e+00 01	1.41e+00 2	5.47e+00 1	4.02e+00 0	1.62e+00 2	-	1.64e+00 02	8.30e+00 1
1771	STL ENV_STR(al l)		Cent	Top	1.39e+00 2	3.26e+00 2	2.07e+00 2	4.60e+00 2	5.51e+00 0	-	4.57e+00 2	2.30e+00 2
			Bot	01	4.09e+00 01	4.85e+00 1	1.99e+00 1	2.44e+00 1	6.50e+00 1	-	5.69e+00 01	3.25e+00 1
1772	STL ENV_STR(al l)		Cent	Top	1.01e+00 2	3.43e+00 2	1.90e+00 2	4.47e+00 2	3.41e+00 0	-	4.49e+00 2	2.25e+00 2
			Bot	00	9.06e+00 00	1.37e+00 2	5.02e+00 1	8.33e+00 0	1.54e+00 2	-	1.58e+00 02	8.12e+00 1
1773	STL ENV_STR(al l)		Cent	Top	1.39e+00 1	4.70e+00 1	3.28e+00 1	2.82e+00 1	6.13e+00 1	-	7.93e+00 1	4.48e+00 1
			Bot	01	2.85e+00 01	7.85e+00 1	5.52e+00 1	1.14e+00 2	7.07e+00 0	-	1.18e+00 02	6.06e+00 1

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1774	STL ENV_STR (al1)		Cent	Top	1.34e+001	-8.77e+001	-2.24e+001	1.82e+001	-9.25e+001	-	1.03e+002	5.53e+001
			Bot	01	6.37e+002	1.78e+002	1.17e+002	2.51e+002	-9.33e+000	-	2.56e+002	1.30e+002
1775	STL ENV_STR (al1)		Cent	Top	1.18e+001	-1.10e+002	-2.20e+001	1.56e+001	-1.14e+002	-	1.23e+002	6.48e+001
			Bot	01	9.14e+002	2.60e+002	1.64e+002	3.60e+002	-8.48e+000	-	3.64e+002	1.84e+002
1776	STL ENV_STR (al1)		Cent	Top	-1.63e+000	-1.33e+002	-2.85e+001	4.30e+000	-1.39e+002	-	1.41e+002	7.16e+001
			Bot	02	1.12e+002	3.23e+002	1.98e+002	4.42e+002	-7.25e+000	-	4.45e+002	2.24e+002
1777	STL ENV_STR (al1)		Cent	Top	-2.00e+001	-1.60e+002	-3.31e+001	1.26e+001	-1.68e+002	-	1.62e+002	8.39e+001
			Bot	02	1.30e+002	3.81e+002	2.10e+002	5.00e+002	1.13e+001	-	4.94e+002	2.50e+002
1778	STL ENV_STR (al1)		Cent	Top	-3.38e+001	-1.99e+002	-2.56e+001	2.99e+001	-2.02e+002	-	1.89e+002	1.01e+002
			Bot	02	1.43e+002	4.41e+002	1.97e+002	5.39e+002	4.50e+001	-	5.18e+002	2.70e+002
1779	STL ENV_STR (al1)		Cent	Top	-4.32e+001	-2.36e+002	1.37e+001	-4.23e+001	-2.37e+002	-	2.19e+002	1.18e+002
			Bot	02	1.51e+002	4.87e+002	1.59e+002	5.50e+002	8.72e+001	-	5.12e+002	2.75e+002
1780	STL ENV_STR (al1)		Cent	Top	-7.19e+001	-2.42e+002	7.60e+001	-4.29e+001	-2.71e+002	-	2.52e+002	1.35e+002
			Bot	02	1.42e+002	4.91e+002	1.33e+002	5.36e+002	9.75e+001	-	4.94e+002	2.68e+002
1781	STL ENV_STR (al1)		Cent	Top	-8.97e+001	-1.70e+002	5.79e+001	-5.94e+001	-2.01e+002	-	1.78e+002	1.00e+002
			Bot	02	1.17e+002	4.26e+002	1.29e+002	4.72e+002	7.06e+001	-	4.41e+002	2.36e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1782	STL ENV_STR(al l)		Cent	Top	- 4.21e+00 1	- 1.70e+00 2	1.14e+00 0	- 4.21e+00 1	- 1.70e+00 2	-	1.53e+00 2	8.48e+00 1
			Bot	02	1.30e+00 2	4.04e+00 2	1.67e+00 2	4.83e+00 2	5.16e+00 1	-	4.59e+00 02	2.41e+00 2
1783	STL ENV_STR(al l)		Cent	Top	- 1.76e+00 1	- 1.65e+00 2	- 3.02e+00 1	- 1.17e+00 1	- 1.71e+00 2	-	1.66e+00 2	8.56e+00 1
			Bot	02	1.26e+00 2	3.97e+00 2	1.92e+00 2	4.97e+00 2	2.64e+00 1	-	4.84e+00 02	2.48e+00 2
1784	STL ENV_STR(al l)		Cent	Top	- 1.12e+00 1	- 1.52e+00 2	- 4.57e+00 1	2.35e+00 0	- 1.65e+00 2	-	1.67e+00 2	8.39e+00 1
			Bot	02	1.15e+00 02	3.79e+00 2	2.01e+00 2	4.88e+00 2	7.00e+00 0	-	4.84e+00 02	2.44e+00 2
1785	STL ENV_STR(al l)		Cent	Top	- 7.20e+00 1	- 7.90e+00 1	2.49e+00 1	5.03e+00 1	- 1.01e+00 2	-	8.71e+00 1	5.03e+00 1
			Bot	01	8.32e+00 02	3.39e+00 2	1.22e+00 2	3.88e+00 2	3.45e+00 1	-	3.72e+00 02	1.94e+00 2
1786	STL ENV_STR(al l)		Cent	Top	- 2.83e+00 1	- 9.37e+00 1	- 1.44e+00 1	- 2.53e+00 1	- 9.68e+00 1	-	8.69e+00 1	4.84e+00 1
			Bot	02	1.19e+00 02	3.52e+00 2	1.76e+00 2	4.46e+00 2	2.44e+00 1	-	4.34e+00 02	2.23e+00 2
1787	STL ENV_STR(al l)		Cent	Top	- 3.46e+00 1	3.52e+00 1	3.82e+00 1	5.21e+00 1	- 5.14e+00 1	-	8.96e+00 1	5.17e+00 1
			Bot	01	8.58e+00 02	2.35e+00 2	1.04e+00 2	2.88e+00 2	3.28e+00 1	-	2.73e+00 02	1.44e+00 2
1788	STL ENV_STR(al l)		Cent	Top	- 1.57e+00 1	- 1.21e+00 2	- 3.99e+00 1	- 2.27e+00 0	- 1.34e+00 2	-	1.33e+00 2	6.72e+00 1
			Bot	02	1.21e+00 02	3.77e+00 2	2.06e+00 2	4.91e+00 2	6.51e+00 0	-	4.88e+00 02	2.46e+00 2
1789	STL ENV_STR(al l)		Cent	Top	- 2.58e+00 0	- 1.21e+00 2	- 4.82e+00 1	1.46e+00 1	- 1.38e+00 2	-	1.46e+00 2	7.63e+00 1
			Bot	01	7.91e+00 02	2.89e+00 2	1.65e+00 2	3.79e+00 2	- 1.17e+00 1	-	3.85e+00 02	1.96e+00 2
1790	STL ENV_STR(al		Cent	Top	- 1.67e+00	- 1.44e+00	- 5.56e+00	4.22e+00 0	- 1.65e+00	-	1.67e+00 2	8.45e+00 1

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)				1	2	1		2			
			Bot		1.11e+02	3.83e+02	2.09e+02	4.96e+02	-2.65e+00	-	4.98e+02	2.50e+02
1791	STL ENV_STR (all)		Cent	Top	-	-	-	-	-	-	6.01e+01	3.42e+01
			Bot		1.40e+02	3.30e+02	2.09e+02	4.65e+02	5.57e+00	-	4.62e+02	2.33e+02
1792	STL ENV_STR (all)		Cent	Top	-	-	-	-	-	-	1.60e+02	8.23e+01
			Bot		1.01e+02	3.46e+02	1.91e+02	4.50e+02	-3.52e+00	-	4.52e+02	2.27e+02
1793	STL ENV_STR (all)		Cent	Top	3.89e+02	-2.91e+02	-2.70e+02	4.83e+02	-3.85e+02	-	7.53e+02	4.34e+02
			Bot		2.72e+02	5.35e+02	-2.56e+02	6.91e+02	1.16e+02	-	6.41e+02	3.46e+02
1794	STL ENV_STR (all)		Cent	Top	-	-	-	-	-	-	7.11e+02	3.97e+02
			Bot		5.28e+02	6.38e+02	-3.39e+02	9.26e+02	2.40e+02	-	8.32e+02	4.63e+02
1795	STL ENV_STR (all)		Cent	Top	1.70e+01	-4.07e+02	-3.17e+02	1.86e+02	-5.76e+02	-	6.88e+02	3.81e+02
			Bot		4.34e+02	5.85e+02	-4.12e+02	9.28e+02	9.09e+01	-	8.86e+02	4.64e+02
1796	STL ENV_STR (all)		Cent	Top	-	-	-	-	-	-	6.89e+02	3.58e+02
			Bot		6.46e+02	6.66e+02	-5.13e+02	1.17e+03	1.43e+02	-	1.10e+03	5.85e+02
1797	STL ENV_STR (all)		Cent	Top	4.26e+02	1.61e+02	-2.83e+02	6.06e+02	-1.94e+01	-	6.16e+02	3.13e+02
			Bot		7.12e+01	-1.75e+02	-3.64e+02	3.94e+02	-3.40e+00	-	6.36e+02	3.67e+02

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
					1	2		2				
1798	STL ENV_STR(al l)		Cent	Top	6.64e+00 1	-4.24e+00 1	-3.02e+00 2	3.19e+00 2	-2.94e+00 2	-	5.31e+00 2	3.06e+00 2
			Bot	02	3.94e+00 2	2.55e+00 2	-4.16e+00 2	7.46e+00 2	-9.70e+00 1	-	7.99e+00 2	4.22e+00 2
1799	STL ENV_STR(al l)		Cent	Top	-1.21e+00 1	-1.76e+00 2	-2.79e+00 2	1.97e+00 2	-3.85e+00 2	-	5.13e+00 2	2.91e+00 2
			Bot	02	4.83e+00 2	3.56e+00 2	-4.41e+00 2	8.65e+00 2	-2.59e+00 1	-	8.78e+00 2	4.45e+00 2
1800	STL ENV_STR(al l)		Cent	Top	-3.85e+00 1	-1.03e+00 2	-2.10e+00 2	1.42e+00 2	-2.84e+00 2	-	3.75e+00 2	2.13e+00 2
			Bot	02	5.62e+00 2	3.24e+00 2	-4.00e+00 2	8.60e+00 2	2.56e+00 1	-	8.48e+00 2	4.30e+00 2
1801	STL ENV_STR(al l)		Cent	Top	2.37e+00 2	4.38e+00 1	-2.91e+00 2	4.47e+00 2	-1.66e+00 2	-	5.49e+00 2	3.07e+00 2
			Bot	02	1.91e+00 2	7.33e+00 1	-4.10e+00 2	5.46e+00 2	-2.82e+00 2	-	7.29e+00 2	4.14e+00 2
1802	STL ENV_STR(al l)		Cent	Top	8.90e+00 1	5.86e+00 1	-2.49e+00 2	3.23e+00 2	-1.75e+00 2	-	4.38e+00 2	2.49e+00 2
			Bot	02	3.12e+00 2	1.24e+00 2	-4.74e+00 2	7.01e+00 2	-2.65e+00 2	-	8.65e+00 2	4.83e+00 2
1803	STL ENV_STR(al l)		Cent	Top	-1.41e+00 0	5.63e+00 1	-2.64e+00 2	2.93e+00 2	-2.38e+00 2	-	4.61e+00 2	2.66e+00 2
			Bot	02	3.91e+00 2	1.78e+00 2	-4.45e+00 2	7.42e+00 2	-1.74e+00 2	-	8.43e+00 2	4.58e+00 2
1804	STL ENV_STR(al l)		Cent	Top	-2.28e+00 1	8.44e+00 1	-2.85e+00 2	3.21e+00 2	-2.60e+00 2	-	5.04e+00 2	2.90e+00 2
			Bot	02	3.70e+00 2	2.11e+00 2	-3.70e+00 2	6.69e+00 2	-8.83e+00 1	-	7.17e+00 2	3.79e+00 2
180	STL ENV_STR(al		Cent	Top	6.58e+00	2.00e+00	-3.17e+00	3.60e+00	-2.74e+00	-	5.51e+00	3.17e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
5	1)		t		1	1	2	2	2		2	2
			Bot	2.99e+002	8.85e+001	-4.13e+002	6.20e+002	-2.33e+002	-	7.63e+002	4.26e+002	
1806	STL ENV_STR (al1)		Cent	Top	5.23e+001	6.48e+001	-2.72e+002	3.31e+002	-2.14e+002	-	4.76e+002	2.72e+002
			Bot	2.86e+002	1.07e+002	-4.75e+002	6.80e+002	-2.87e+002	-	8.60e+002	4.83e+002	
1807	STL ENV_STR (al1)		Cent	Top	3.13e+001	1.37e+002	-2.90e+002	3.79e+002	-2.11e+002	-	5.17e+002	2.95e+002
			Bot	2.65e+002	1.24e+002	-4.57e+002	6.57e+002	-2.68e+002	-	8.24e+002	4.62e+002	
1808	STL ENV_STR (al1)		Cent	Top	2.27e+001	2.10e+002	-3.20e+002	4.50e+002	-2.17e+002	-	5.89e+002	3.33e+002
			Bot	2.24e+002	1.46e+002	-3.87e+002	5.73e+002	-2.04e+002	-	6.98e+002	3.89e+002	
1809	STL ENV_STR (al1)		Cent	Top	-9.56e+001	-3.11e+001	-3.31e+002	2.70e+002	-3.96e+002	-	5.80e+002	3.33e+002
			Bot	3.89e+002	1.19e+002	-4.11e+002	6.86e+002	-1.78e+002	-	7.91e+002	4.32e+002	
1810	STL ENV_STR (al1)		Cent	Top	1.55e+001	6.26e+001	-3.13e+002	3.53e+002	-2.75e+002	-	5.46e+002	3.14e+002
			Bot	2.56e+002	8.49e+001	-4.73e+002	6.51e+002	-3.10e+002	-	8.49e+002	4.80e+002	
1811	STL ENV_STR (al1)		Cent	Top	6.53e+001	1.85e+002	-3.45e+002	4.75e+002	-2.25e+002	-	6.19e+002	3.50e+002
			Bot	1.54e+002	9.17e+001	-4.58e+002	5.82e+002	-3.36e+002	-	8.04e+002	4.59e+002	
1812	STL ENV_STR (al1)		Cent	Top	7.37e+001	3.18e+002	-3.75e+002	5.90e+002	-1.98e+002	-	7.10e+002	3.94e+002
			Bot	8.74e+001	1.02e+002	-3.86e+002	4.80e+002	-2.91e+002	-	6.75e+002	3.86e+002	



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	2	2	2	2		02	2	
1813	STL ENV_STR(al l)		Cent	Top	- 2.42e+00 2	- 6.79e+00 1	- 3.28e+00 2	1.85e+00 2	- 4.94e+00 2	-	6.08e+00 2	3.39e+00 2
			Bot	02	4.37e+0 02	9.73e+00 1	- 4.05e+00 2	7.06e+00 2	- 1.72e+00 2	-	8.05e+0 02	4.39e+00 2
1814	STL ENV_STR(al l)		Cent	Top	2.33e+00 0	4.48e+00 1	- 3.65e+00 2	3.89e+00 2	- 3.42e+00 2	-	6.33e+00 2	3.65e+00 2
			Bot	02	1.88e+0 02	4.68e+00 1	- 4.62e+00 2	5.84e+00 2	- 3.50e+00 2	-	8.17e+0 02	4.67e+00 2
1815	STL ENV_STR(al l)		Cent	Top	1.14e+00 2	2.65e+00 2	- 4.33e+00 2	6.29e+00 2	- 2.50e+00 2	-	7.85e+00 2	4.40e+00 2
			Bot	01	2.59e+0 01	2.06e+00 1	- 4.32e+00 2	4.56e+00 2	- 4.09e+00 2	-	7.49e+0 02	4.32e+00 2
1816	STL ENV_STR(al l)		Cent	Top	1.22e+00 2	4.69e+00 2	- 4.44e+00 2	7.72e+00 2	- 1.82e+00 2	-	8.77e+00 2	4.77e+00 2
			Bot	- 01	3.41e+0 01	3.40e+00 1	- 3.66e+00 2	3.67e+00 2	- 3.68e+00 2	-	6.37e+0 02	3.68e+00 2
1817	STL ENV_STR(al l)		Cent	Top	- 4.15e+00 2	- 2.21e+00 2	- 3.33e+00 2	2.91e+00 1	- 6.65e+00 2	-	6.80e+00 2	3.47e+00 2
			Bot	02	4.23e+0 02	1.34e+00 2	- 3.47e+00 2	6.54e+00 2	- 9.75e+00 1	-	7.07e+0 02	3.76e+00 2
1818	STL ENV_STR(al l)		Cent	Top	6.89e+00 1	1.29e+00 2	- 4.72e+00 2	5.72e+00 2	- 3.74e+00 2	-	8.26e+00 2	4.73e+00 2
			Bot	- 01	1.48e+0 01	1.41e+00 2	- 3.78e+00 2	3.05e+00 2	- 4.60e+00 2	-	6.67e+0 02	3.83e+00 2
1819	STL ENV_STR(al l)		Cent	Top	1.50e+00 2	4.59e+00 2	- 5.39e+00 2	8.65e+00 2	- 2.57e+00 2	-	1.02e+00 3	5.61e+00 2
			Bot	- 02	1.07e+0 02	1.64e+00 2	- 3.73e+00 2	2.39e+00 2	- 5.10e+00 2	-	6.63e+0 02	3.75e+00 2
182	STL ENV_STR(al		Cent	Top	1.70e+00	6.91e+00	- 4.98e+00	9.93e+00	- 1.32e+00	-	1.06e+00	5.62e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
0	1)		t		2	2	2	2	2		3	2		
			Bot		1.28e+02	7.52e+01	3.34e+02	2.33e+02	4.36e+02	-	5.89e+02	3.35e+02		
1821	STL ENV_STR(al1)		Cent	Top	-	3.79e+02	3.25e+02	-	3.18e+02	4.48e+02	-	5.01e+02	8.22e+02	4.74e+02
			Bot		-	6.72e+02	6.09e+02	-	2.15e+02	7.45e+00	-	6.84e+02	6.88e+02	3.46e+02
1822	STL ENV_STR(al1)		Cent	Top	1.26e+02	4.84e+02	-	5.14e+02	8.49e+02	-	2.39e+02	9.91e+02	5.44e+02	
			Bot		-	3.65e+02	6.55e+02	-	2.69e+02	2.04e+02	-	8.15e+02	7.35e+02	4.08e+02
1823	STL ENV_STR(al1)		Cent	Top	1.57e+02	7.11e+02	-	5.50e+02	1.05e+03	-	1.82e+02	1.15e+03	6.16e+02	
			Bot		-	1.99e+02	3.99e+02	-	3.08e+02	2.53e+01	-	6.23e+02	6.36e+02	3.24e+02
1824	STL ENV_STR(al1)		Cent	Top	2.74e+02	9.95e+02	-	4.93e+02	1.24e+03	2.38e+01	-	1.23e+03	6.22e+02	
			Bot		-	1.65e+02	2.43e+02	-	2.77e+02	7.54e+01	-	4.83e+02	5.25e+02	2.79e+02
1825	STL ENV_STR(al1)		Cent	Top	-	1.68e+02	5.94e+02	2.52e+02	-	5.15e+01	7.11e+02	-	6.87e+02	3.55e+02
			Bot		6.43e+02	6.60e+02	5.12e+02	1.16e+03	1.40e+02	-	1.10e+03	5.81e+02		
1826	STL ENV_STR(al1)		Cent	Top	1.94e+01	4.03e+02	3.17e+02	1.89e+02	-	5.73e+02	-	6.87e+02	3.81e+02	
			Bot		4.33e+02	5.81e+02	4.11e+02	9.25e+02	8.90e+01	-	8.84e+02	4.63e+02		
1827	STL ENV_STR(al1)		Cent	Top	-	1.24e+01	3.49e+02	3.59e+02	2.16e+02	-	5.78e+02	-	7.11e+02	3.97e+02
			Bot		5.28e+02	6.35e+02	3.39e+02	9.24e+02	2.38e+02	-	8.31e+02	4.62e+02		

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1828	STL ENV_STR(al l)		Cent	Top	3.89e+00 2	- 2.90e+00 2	2.70e+00 2	4.83e+00 2	- 3.84e+00 2	-	7.53e+00 2	4.34e+00 2
			Bot	2.73e+00 02	5.34e+00 2	2.56e+00 2	6.91e+00 2	1.16e+00 2	-	6.41e+00 02	3.45e+00 2	
1829	STL ENV_STR(al l)		Cent	Top	- 3.46e+00 1	- 1.01e+00 2	2.12e+00 2	1.47e+00 2	- 2.82e+00 2	-	3.77e+00 2	2.14e+00 2
			Bot	5.59e+00 02	3.22e+00 2	3.98e+00 2	8.56e+00 2	2.46e+00 1	-	8.44e+00 02	4.28e+00 2	
1830	STL ENV_STR(al l)		Cent	Top	- 9.49e+00 0	- 1.74e+00 2	2.80e+00 2	2.01e+00 2	- 3.84e+00 2	-	5.14e+00 2	2.92e+00 2
			Bot	4.81e+00 02	3.53e+00 2	4.39e+00 2	8.61e+00 2	- 2.65e+00 1	-	8.75e+00 02	4.44e+00 2	
1831	STL ENV_STR(al l)		Cent	Top	6.75e+00 1	- 4.11e+00 1	3.02e+00 2	3.20e+00 2	- 2.94e+00 2	-	5.32e+00 2	3.07e+00 2
			Bot	3.94e+00 02	2.54e+00 2	4.15e+00 2	7.44e+00 2	- 9.69e+00 1	-	7.97e+00 02	4.21e+00 2	
1832	STL ENV_STR(al l)		Cent	Top	4.25e+00 2	1.61e+00 2	2.84e+00 2	6.06e+00 2	- 2.00e+00 1	-	6.17e+00 2	3.13e+00 2
			Bot	7.20e+00 01	- 1.76e+00 1	3.63e+00 2	3.93e+00 2	- 3.39e+00 2	-	6.35e+00 02	3.66e+00 2	
1833	STL ENV_STR(al l)		Cent	Top	- 2.00e+00 1	8.49e+00 1	2.86e+00 2	3.23e+00 2	- 2.58e+00 2	-	5.05e+00 2	2.91e+00 2
			Bot	3.68e+00 02	2.10e+00 2	3.69e+00 2	6.66e+00 2	- 8.87e+00 1	-	7.15e+00 02	3.77e+00 2	
1834	STL ENV_STR(al l)		Cent	Top	7.17e- 001	5.68e+00 1	2.65e+00 2	2.95e+00 2	- 2.38e+00 2	-	4.63e+00 2	2.67e+00 2
			Bot	3.89e+00 02	1.77e+00 2	4.44e+00 2	7.40e+00 2	- 1.73e+00 2	-	8.40e+00 02	4.56e+00 2	
1835	STL ENV_STR(al l)		Cent	Top	9.00e+00 1	5.90e+00 1	2.50e+00 2	3.25e+00 2	- 1.76e+00 2	-	4.40e+00 2	2.50e+00 2
			Bot	3.11e+00 02	1.23e+00 02	4.72e+00 02	6.99e+00 02	- 2.64e+00 02	-	8.62e+00 02	4.82e+00 02	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	2	2	2	2		02	2	
1836	STL ENV_STR(al l)		Cent	Top	2.36e+00 2	4.37e+00 1	2.92e+00 2	4.47e+00 2	- 1.67e+00 2	-	5.50e+00 2	3.07e+00 2
			Bot	02	1.92e+00 02	7.33e+00 1	4.08e+00 2	5.45e+00 2	- 2.80e+00 2	-	7.27e+00 02	4.13e+00 2
1837	STL ENV_STR(al l)		Cent	Top	2.47e+00 1	2.10e+00 2	3.20e+00 2	4.51e+00 2	- 2.16e+00 2	-	5.89e+00 2	3.33e+00 2
			Bot	02	2.22e+00 02	1.46e+00 2	3.86e+00 2	5.72e+00 2	- 2.03e+00 2	-	6.96e+00 02	3.88e+00 2
1838	STL ENV_STR(al l)		Cent	Top	3.28e+00 1	1.37e+00 2	2.91e+00 2	3.80e+00 2	- 2.11e+00 2	-	5.18e+00 2	2.95e+00 2
			Bot	02	2.64e+00 02	1.24e+00 2	4.56e+00 2	6.55e+00 2	- 2.67e+00 2	-	8.22e+00 02	4.61e+00 2
1839	STL ENV_STR(al l)		Cent	Top	5.31e+00 1	6.47e+00 1	2.73e+00 2	3.32e+00 2	- 2.14e+00 2	-	4.77e+00 2	2.73e+00 2
			Bot	02	2.85e+00 02	1.07e+00 2	4.73e+00 2	6.78e+00 2	- 2.86e+00 2	-	8.57e+00 02	4.82e+00 2
1840	STL ENV_STR(al l)		Cent	Top	6.56e+00 1	1.99e+00 1	3.17e+00 2	3.61e+00 2	- 2.75e+00 2	-	5.52e+00 2	3.18e+00 2
			Bot	02	2.99e+00 02	8.85e+00 1	4.11e+00 2	6.19e+00 2	- 2.31e+00 2	-	7.61e+00 02	4.25e+00 2
1841	STL ENV_STR(al l)		Cent	Top	7.52e+00 1	3.17e+00 2	3.75e+00 2	5.90e+00 2	- 1.98e+00 2	-	7.10e+00 2	3.94e+00 2
			Bot	01	8.65e+00 02	1.02e+00 2	3.85e+00 2	4.79e+00 2	- 2.91e+00 2	-	6.73e+00 02	3.85e+00 2
1842	STL ENV_STR(al l)		Cent	Top	6.63e+00 1	1.84e+00 2	3.45e+00 2	4.75e+00 2	- 2.25e+00 2	-	6.19e+00 2	3.50e+00 2
			Bot	02	1.54e+00 02	9.16e+00 1	4.57e+00 2	5.80e+00 2	- 3.35e+00 2	-	8.02e+00 02	4.58e+00 2
184	STL ENV_STR(al		Cent	Top	1.60e+00	6.22e+00	3.14e+00	3.54e+00	- 2.76e+00	-	5.47e+00	3.15e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
3	1)		t		1	1	2	2	2		2	2
			Bot	2.56e+002	8.48e+001	4.71e+002	6.49e+002	-3.09e+002	-	8.47e+002	4.79e+002	
1844	STL ENV_STR (al1)		Cent	Top	-9.56e+001	-3.13e+001	3.32e+002	2.70e+002	-3.97e+002	-	5.81e+002	3.33e+002
			Bot	3.89e+002	1.19e+002	4.09e+002	6.85e+002	-1.77e+002	-	7.88e+002	4.31e+002	
1845	STL ENV_STR (al1)		Cent	Top	1.23e+002	4.67e+002	4.44e+002	7.72e+002	-1.82e+002	-	8.77e+002	4.77e+002
			Bot	-3.47e+001	3.39e+001	3.65e+002	3.66e+002	-3.67e+002	-	6.35e+002	3.67e+002	
1846	STL ENV_STR (al1)		Cent	Top	1.15e+002	2.64e+002	4.34e+002	6.29e+002	-2.51e+002	-	7.85e+002	4.40e+002
			Bot	2.55e+001	2.05e+001	4.31e+002	4.54e+002	-4.08e+002	-	7.47e+002	4.31e+002	
1847	STL ENV_STR (al1)		Cent	Top	2.58e+000	4.43e+001	3.65e+002	3.89e+002	-3.42e+002	-	6.34e+002	3.66e+002
			Bot	1.87e+002	4.68e+001	4.60e+002	5.82e+002	-3.48e+002	-	8.15e+002	4.65e+002	
1848	STL ENV_STR (al1)		Cent	Top	-2.42e+002	-6.80e+001	3.28e+002	1.85e+002	-4.95e+002	-	6.08e+002	3.40e+002
			Bot	4.37e+002	9.73e+001	4.03e+002	7.04e+002	-1.70e+002	-	8.03e+002	4.37e+002	
1849	STL ENV_STR (al1)		Cent	Top	1.70e+002	6.90e+002	4.98e+002	9.92e+002	-1.32e+002	-	1.06e+003	5.62e+002
			Bot	-1.28e+002	-7.55e+001	3.33e+002	2.32e+002	-4.36e+002	-	5.87e+002	3.34e+002	
1850	STL ENV_STR (al1)		Cent	Top	1.50e+002	4.58e+002	5.39e+002	8.65e+002	-2.57e+002	-	1.02e+003	5.61e+002
			Bot	-1.07e+001	-1.64e+000	3.72e+000	2.38e+000	-5.09e+000	-	6.61e+000	3.73e+000	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )			
				02	2	2	2	2		02	2				
1851	STL ENV_STR(al l)		Cent	Top	6.88e+00 1	1.28e+00 2	4.72e+00 2	5.72e+00 2	- 3.75e+00 2	-	8.25e+00 2	4.73e+00 2			
			Bot	-	1.48e+00 01	-	1.41e+00 2	3.76e+00 2	3.04e+00 2	-	4.59e+00 2	-	6.65e+00 02	3.81e+00 2	
1852	STL ENV_STR(al l)		Cent	Top	-	4.15e+00 2	-	2.22e+00 2	3.33e+00 2	2.90e+00 1	-	6.65e+00 2	6.80e+00 2	3.47e+00 2	
			Bot	-	4.23e+00 02	-	1.34e+00 2	3.45e+00 2	6.53e+00 2	-	9.61e+00 1	-	7.06e+00 02	3.74e+00 2	
1853	STL ENV_STR(al l)		Cent	Top	2.74e+00 2	9.93e+00 2	4.93e+00 2	1.24e+00 3	2.35e+00 1	-	1.23e+00 3	6.22e+00 2			
			Bot	-	1.65e+00 02	-	2.44e+00 2	2.76e+00 2	7.41e+00 1	-	4.84e+00 2	-	5.25e+00 02	2.79e+00 2	
1854	STL ENV_STR(al l)		Cent	Top	1.57e+00 2	7.09e+00 2	5.50e+00 2	1.05e+00 3	-	1.82e+00 2	-	1.15e+00 3	6.15e+00 2		
			Bot	-	1.99e+00 02	-	3.99e+00 2	3.07e+00 2	2.42e+00 1	-	6.22e+00 2	-	6.35e+00 02	3.23e+00 2	
1855	STL ENV_STR(al l)		Cent	Top	1.26e+00 2	4.83e+00 2	5.14e+00 2	8.49e+00 2	-	2.40e+00 2	-	9.91e+00 2	5.44e+00 2		
			Bot	-	3.64e+00 02	-	6.55e+00 2	2.68e+00 2	-	2.05e+00 2	-	8.14e+00 2	-	7.33e+00 02	4.07e+00 2
1856	STL ENV_STR(al l)		Cent	Top	-	3.79e+00 2	3.25e+00 2	3.18e+00 2	4.47e+00 2	-	5.01e+00 2	-	8.22e+00 2	4.74e+00 2	
			Bot	-	6.70e+00 01	-	6.09e+00 2	2.14e+00 2	7.07e+00 0	-	6.83e+00 2	-	6.87e+00 02	3.45e+00 2	
1857	STL ENV_STR(al l)		Cent	Top	1.46e+00 2	-	2.77e+00 2	9.01e+00 1	1.65e+00 2	-	2.95e+00 2	-	4.03e+00 2	2.30e+00 2	
			Bot	-	9.99e+00 02	-	4.61e+00 2	4.32e+00 2	1.24e+00 3	2.21e+00 2	-	1.14e+00 03	6.19e+00 2		
1858	STL ENV_STR(al l)		Cent	Top	-	4.76e+00 1	-	9.32e+00 0	2.49e+00 2	2.22e+00 2	-	2.79e+00 2	-	4.34e+00 2	2.50e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
			Bot	4.77e+02	2.87e+02	2.83e+02	6.81e+02	8.29e+01	-	6.43e+02	3.40e+02		
1859	STL ENV_STR(al1)		Cent	Top	-	2.59e+02	1.41e+02	2.94e+02	3.71e+02	-	2.33e+02	5.28e+02	3.02e+02
			Bot	02	3.08e+02	2.06e+02	2.95e+02	5.57e+02	-	4.23e+01	-	5.79e+02	3.00e+02
1860	STL ENV_STR(al1)		Cent	Top	3.18e+01	2.75e+02	3.35e+02	5.10e+02	-	2.03e+02	-	6.36e+02	3.56e+02
			Bot	02	1.68e+02	1.49e+02	2.98e+02	4.56e+02	-	1.40e+02	-	5.40e+02	2.98e+02
1861	STL ENV_STR(al1)		Cent	Top	7.53e+01	4.17e+02	3.74e+02	6.57e+02	-	1.65e+02	-	7.54e+02	4.11e+02
			Bot	01	4.62e+02	1.04e+02	2.92e+02	3.69e+02	-	2.18e+02	-	5.14e+02	2.94e+02
1862	STL ENV_STR(al1)		Cent	Top	1.24e+02	5.93e+02	4.08e+02	8.29e+02	-	1.12e+02	-	8.91e+02	4.71e+02
			Bot	-	5.86e+01	5.48e+01	2.76e+02	2.79e+02	-	2.83e+02	-	4.87e+02	2.81e+02
1863	STL ENV_STR(al1)		Cent	Top	1.95e+02	8.27e+02	4.27e+02	1.04e+03	-	2.09e+01	-	1.05e+03	5.32e+02
			Bot	-	1.29e+02	1.96e+01	2.43e+02	1.75e+02	-	3.23e+02	-	4.38e+02	2.49e+02
1864	STL ENV_STR(al1)		Cent	Top	3.32e+02	1.12e+03	3.95e+02	1.29e+03	1.68e+02	-	1.21e+03	6.44e+02	
			Bot	02	1.12e+02	1.46e+02	2.15e+02	8.66e+01	-	3.45e+02	-	3.95e+02	2.16e+02
1865	STL ENV_STR(al1)		Cent	Top	1.16e+02	2.06e+01	1.01e+02	1.80e+02	-	4.35e+01	-	2.05e+02	1.12e+02
			Bot	02	5.13e+01	5.95e+01	1.63e+02	5.66e+02	7.22e+00	-	5.62e+02	2.83e+02	
1866	STL ENV_STR(al1)		Cent	Top	5.92e+01	3.95e+01	2.41e+02	2.90e+02	-	1.91e+00	4.20e+02	2.41e+02	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)								2			
			Bot	02	3.64e+02	2.15e+02	2.35e+02	5.36e+02	4.28e+01	-	5.16e+02	2.68e+02
1867	STL ENV_STR(al l)		Cent	Top	3.25e+01	1.80e+02	2.96e+02	4.12e+02	-1.99e+02	-	5.39e+02	3.05e+02
			Bot	02	2.24e+02	1.61e+02	2.15e+02	4.10e+02	-2.46e+01	-	4.23e+02	2.17e+02
1868	STL ENV_STR(al l)		Cent	Top	5.38e+01	3.17e+02	3.24e+02	5.35e+02	-1.64e+02	-	6.34e+02	3.50e+02
			Bot	02	1.19e+02	1.22e+02	2.14e+02	3.34e+02	-9.33e+01	-	3.89e+02	2.14e+02
1869	STL ENV_STR(al l)		Cent	Top	8.72e+01	4.66e+02	3.47e+02	6.72e+02	-1.18e+02	-	7.38e+02	3.95e+02
			Bot	01	2.17e+01	8.56e+01	2.00e+02	2.56e+02	-1.49e+02	-	3.54e+02	2.02e+02
1870	STL ENV_STR(al l)		Cent	Top	1.34e+02	6.42e+02	3.57e+02	8.26e+02	-5.04e+01	-	8.53e+02	4.38e+02
			Bot	01	5.76e+01	4.47e+01	1.76e+02	1.77e+02	-1.90e+02	-	3.17e+02	1.83e+02
1871	STL ENV_STR(al l)		Cent	Top	2.08e+02	8.56e+02	3.48e+02	1.01e+03	5.71e+01	-	9.80e+02	5.03e+02
			Bot	02	1.02e+01	1.26e+01	1.49e+02	9.84e+01	-2.13e+02	-	2.76e+02	1.56e+02
1872	STL ENV_STR(al l)		Cent	Top	3.44e+02	1.11e+03	3.12e+02	1.22e+03	2.33e+02	-	1.13e+03	6.12e+02
			Bot	01	7.69e+01	1.11e+02	1.45e+02	5.18e+01	-2.40e+02	-	2.69e+02	1.46e+02
1873	STL ENV_STR(al l)		Cent	Top	5.86e+01	1.18e+01	8.05e+01	1.19e+02	-4.86e+01	-	1.49e+02	8.38e+01
			Bot	02	2.43e+01	2.83e+01	6.06e+01	2.59e+02	1.23e+01	-	2.53e+02	1.30e+02
187	STL ENV_STR(al l)		Cent	Top	8.58e+00	8.62e+00	1.91e+00	2.77e+00	-1.05e+00	-	3.41e+00	1.91e+00



Element	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
4	l)		t		1	1	2	2	2		2	2
			Bot	2.21e+002	7.15e+001	1.40e+002	3.05e+002	-1.24e+001	-	3.11e+002	1.59e+002	
1875	STL ENV_STR(al l)		Cent	Top	7.61e+001	1.98e+002	2.59e+002	4.03e+002	-1.29e+002	-	4.80e+002	2.66e+002
			Bot	1.51e+002	9.38e+001	1.48e+002	2.73e+002	-2.85e+001	-	2.88e+002	1.51e+002	
1876	STL ENV_STR(al l)		Cent	Top	8.03e+001	3.33e+002	2.93e+002	5.26e+002	-1.13e+002	-	5.90e+002	3.19e+002
			Bot	7.81e+001	7.11e+001	1.36e+002	2.10e+002	-6.12e+001	-	2.47e+002	1.36e+002	
1877	STL ENV_STR(al l)		Cent	Top	1.06e+002	4.74e+002	3.08e+002	6.49e+002	-6.87e+001	-	6.86e+002	3.59e+002
			Bot	1.21e+001	4.14e+001	1.18e+002	1.46e+002	-9.24e+001	-	2.08e+002	1.19e+002	
1878	STL ENV_STR(al l)		Cent	Top	1.49e+002	6.29e+002	3.06e+002	7.77e+002	3.13e-001	-	7.77e+002	3.89e+002
			Bot	3.87e+000	1.17e+000	9.34e+001	7.68e+001	-1.14e+002	-	1.66e+002	9.55e+001	
1879	STL ENV_STR(al l)		Cent	Top	2.14e+002	7.97e+002	2.84e+002	9.13e+002	9.82e+001	-	8.68e+002	4.56e+002
			Bot	6.29e+001	5.19e+001	6.68e+001	9.64e+000	-1.24e+002	-	1.30e+002	6.71e+001	
1880	STL ENV_STR(al l)		Cent	Top	3.23e+002	9.86e+002	2.33e+002	1.06e+003	2.49e+002	-	9.60e+002	5.30e+002
			Bot	3.98e+001	1.26e+002	8.33e+001	1.09e+001	-1.77e+002	-	1.82e+002	9.38e+001	
1881	STL ENV_STR(al l)		Cent	Top	2.51e+001	4.06e+001	4.65e+001	8.00e+001	-1.43e+001	-	8.80e+001	4.71e+001
			Bot	8.25e+000	8.55e+000	2.10e+001	8.71e+001	-1.31e+001	-	9.43e+001	5.01e+001	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1882	STL ENV_STR(al l)		Cent	Top	6.96e+00 1	1.20e+00 2	1.37e+00 2	2.34e+00 2	- 4.41e+00 1	-	2.59e+00 2	1.39e+00 2
			Bot	1.17e+00 02	8.43e+00 0	6.67e+00 1	1.48e+00 2	- 2.34e+00 1	-	1.61e+00 02	8.59e+00 1	
1883	STL ENV_STR(al l)		Cent	Top	8.50e+00 1	2.19e+00 2	2.06e+00 2	3.69e+00 2	- 6.48e+00 1	-	4.06e+00 2	2.17e+00 2
			Bot	9.12e+00 01	1.68e+00 1	8.02e+00 1	1.42e+00 2	- 3.44e+00 1	-	1.62e+00 02	8.84e+00 1	
1884	STL ENV_STR(al l)		Cent	Top	9.73e+00 1	3.36e+00 2	2.49e+00 2	4.93e+00 2	- 5.96e+00 1	-	5.26e+00 2	2.76e+00 2
			Bot	4.94e+00 01	8.57e+00 0	7.07e+00 1	1.03e+00 2	- 4.46e+00 1	-	1.31e+00 02	7.36e+00 1	
1885	STL ENV_STR(al l)		Cent	Top	1.21e+00 2	4.59e+00 2	2.69e+00 2	6.07e+00 2	- 2.77e+00 1	-	6.22e+00 2	3.17e+00 2
			Bot	9.01e+00 00	- 1.60e+00 1	5.41e+00 1	5.20e+00 1	- 5.90e+00 1	-	9.63e+00 01	5.55e+00 1	
1886	STL ENV_STR(al l)		Cent	Top	1.62e+00 2	5.81e+00 2	2.67e+00 2	7.11e+00 2	3.18e+00 1	-	6.96e+00 2	3.56e+00 2
			Bot	1.81e+00 01	- 5.65e+00 1	3.81e+00 1	5.35e+00 0	- 8.00e+00 1	-	8.28e+00 01	4.26e+00 1	
1887	STL ENV_STR(al l)		Cent	Top	2.19e+00 2	7.02e+00 2	2.47e+00 2	8.05e+00 2	1.15e+00 2	-	7.54e+00 2	4.03e+00 2
			Bot	2.22e+00 01	- 1.20e+00 2	2.54e+00 1	1.60e+00 1	- 1.26e+00 2	-	1.19e+00 02	6.30e+00 1	
1888	STL ENV_STR(al l)		Cent	Top	2.78e+00 2	7.84e+00 2	2.07e+00 2	8.58e+00 2	2.04e+00 2	-	7.76e+00 2	4.29e+00 2
			Bot	1.61e+00 01	- 1.75e+00 2	4.33e+00 1	- 5.11e+00 0	- 1.86e+00 2	-	1.84e+00 02	9.32e+00 1	
1889	STL ENV_STR(al l)		Cent	Top	1.40e+00 2	- 2.81e+00 2	- 8.77e+00 1	1.58e+00 2	- 2.98e+00 2	-	4.01e+00 2	2.28e+00 2
			Bot	1.00e+00 03	4.65e+00 2	- 4.34e+00	1.24e+00 3	2.23e+00 2	-	1.15e+00 03	6.22e+00 2	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
						2						
1890	STL ENV_STR(al l)		Cent	Top	- 5.17e+00 1	- 1.09e+00 1	- 2.49e+00 2	2.18e+00 2	- 2.81e+00 2	-	4.34e+00 2	2.50e+00 2
			Bot	02	4.80e+00 2	2.88e+00 2	- 2.84e+00 2	6.83e+00 2	8.45e+00 1	-	6.45e+00 02	3.42e+00 2
1891	STL ENV_STR(al l)		Cent	Top	- 5.52e+00 0	1.41e+00 2	- 2.93e+00 2	3.70e+00 2	- 2.34e+00 2	-	5.27e+00 2	3.02e+00 2
			Bot	02	3.10e+00 02	2.07e+00 2	- 2.96e+00 2	5.59e+00 2	- 4.15e+00 1	-	5.81e+00 02	3.00e+00 2
1892	STL ENV_STR(al l)		Cent	Top	2.96e+00 1	2.76e+00 2	- 3.34e+00 2	5.09e+00 2	- 2.04e+00 2	-	6.36e+00 2	3.56e+00 2
			Bot	02	1.69e+00 02	1.49e+00 2	- 2.98e+00 2	4.57e+00 2	- 1.40e+00 2	-	5.41e+00 02	2.99e+00 2
1893	STL ENV_STR(al l)		Cent	Top	7.37e+00 1	4.18e+00 2	- 3.74e+00 2	6.58e+00 2	- 1.66e+00 2	-	7.54e+00 2	4.12e+00 2
			Bot	01	4.70e+00 01	1.04e+00 2	- 2.93e+00 2	3.70e+00 2	- 2.18e+00 2	-	5.15e+00 02	2.94e+00 2
1894	STL ENV_STR(al l)		Cent	Top	1.23e+00 2	5.95e+00 2	- 4.08e+00 2	8.30e+00 2	- 1.12e+00 2	-	8.92e+00 2	4.71e+00 2
			Bot	- 01	5.81e+00 01	5.48e+00 1	- 2.76e+00 2	2.80e+00 2	- 2.83e+00 2	-	4.88e+00 02	2.82e+00 2
1895	STL ENV_STR(al l)		Cent	Top	1.94e+00 2	8.29e+00 2	- 4.28e+00 2	1.04e+00 3	- 2.11e+00 1	-	1.05e+00 3	5.33e+00 2
			Bot	- 02	1.28e+00 02	1.93e+00 1	- 2.43e+00 2	1.75e+00 2	- 3.23e+00 2	-	4.38e+00 02	2.49e+00 2
1896	STL ENV_STR(al l)		Cent	Top	3.32e+00 2	1.13e+00 3	- 3.96e+00 2	1.29e+00 3	1.69e+00 2	-	1.21e+00 3	6.45e+00 2
			Bot	- 02	1.11e+00 02	1.45e+00 2	- 2.15e+00 2	8.73e+00 1	- 3.44e+00 2	-	3.95e+00 02	2.15e+00 2
189	STL ENV_STR(al		Cent	Top	1.12e+00	2.03e+00	- 1.00e+00	1.77e+00	- 4.39e+00	-	2.02e+00	1.10e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
7	1)		t		2	1	2	2	1		2	2
			Bot		5.15e+002	5.98e+001	-1.63e+002	5.68e+002	7.28e+000	-	5.64e+002	2.84e+002
1898	STL ENV_STR (al1)		Cent	Top	5.62e+001	3.84e+001	-2.40e+002	2.87e+002	-1.93e+002	-	4.18e+002	2.40e+002
			Bot		3.66e+002	2.16e+002	-2.35e+002	5.38e+002	4.40e+001	-	5.17e+002	2.69e+002
1899	STL ENV_STR (al1)		Cent	Top	3.00e+001	1.80e+002	-2.96e+002	4.10e+002	-2.00e+002	-	5.39e+002	3.05e+002
			Bot		2.26e+002	1.62e+002	-2.15e+002	4.11e+002	-2.37e+001	-	4.23e+002	2.17e+002
1900	STL ENV_STR (al1)		Cent	Top	5.18e+001	3.18e+002	-3.24e+002	5.35e+002	-1.65e+002	-	6.34e+002	3.50e+002
			Bot		1.20e+002	1.22e+002	-2.13e+002	3.34e+002	-9.27e+001	-	3.89e+002	2.13e+002
1901	STL ENV_STR (al1)		Cent	Top	8.58e+001	4.68e+002	-3.47e+002	6.72e+002	-1.19e+002	-	7.39e+002	3.96e+002
			Bot		2.23e+001	8.54e+001	-1.99e+002	2.56e+002	-1.48e+002	-	3.54e+002	2.02e+002
1902	STL ENV_STR (al1)		Cent	Top	1.33e+002	6.44e+002	-3.57e+002	8.28e+002	-5.07e+001	-	8.54e+002	4.39e+002
			Bot		5.73e+001	4.44e+001	-1.76e+002	1.76e+002	-1.89e+002	-	3.17e+002	1.83e+002
1903	STL ENV_STR (al1)		Cent	Top	2.08e+002	8.58e+002	-3.48e+002	1.01e+003	5.71e+001	-	9.82e+002	5.04e+002
			Bot		1.02e+002	1.27e+001	1.49e+002	9.80e+001	-2.13e+002	-	2.75e+002	1.55e+002
1904	STL ENV_STR (al1)		Cent	Top	3.44e+002	1.12e+003	-3.13e+002	1.23e+003	2.33e+002	-	1.13e+003	6.13e+002
			Bot		7.65e+00	1.11e+00	1.44e+00	5.15e+00	-2.39e+00	-	2.68e+00	1.45e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	2	2	1	2		02	2	
1905	STL ENV_STR(al l)		Cent	Top	5.64e+00 1	1.16e+00 1	- 8.00e+00 1	1.17e+00 2	- 4.91e+00 1	-	1.48e+00 2	8.31e+00 1
			Bot	02	2.44e+00 1	2.85e+00 1	- 6.07e+00 1	2.60e+00 2	1.25e+00 1	-	2.54e+00 02	1.30e+00 2
1906	STL ENV_STR(al l)		Cent	Top	8.38e+00 1	8.60e+00 1	- 1.90e+00 2	2.75e+00 2	- 1.05e+00 2	-	3.40e+00 2	1.90e+00 2
			Bot	02	2.22e+00 1	7.18e+00 1	- 1.40e+00 2	3.05e+00 2	- 1.19e+00 1	-	3.12e+00 02	1.59e+00 2
1907	STL ENV_STR(al l)		Cent	Top	7.43e+00 1	1.98e+00 2	- 2.58e+00 2	4.02e+00 2	- 1.29e+00 2	-	4.79e+00 2	2.65e+00 2
			Bot	02	1.51e+00 1	9.39e+00 1	- 1.48e+00 2	2.73e+00 2	- 2.78e+00 1	-	2.88e+00 02	1.51e+00 2
1908	STL ENV_STR(al l)		Cent	Top	7.88e+00 1	3.33e+00 2	- 2.93e+00 2	5.25e+00 2	- 1.13e+00 2	-	5.90e+00 2	3.19e+00 2
			Bot	01	7.86e+00 1	7.07e+00 1	- 1.35e+00 2	2.10e+00 2	- 6.06e+00 1	-	2.46e+00 02	1.35e+00 2
1909	STL ENV_STR(al l)		Cent	Top	1.05e+00 2	4.76e+00 2	- 3.08e+00 2	6.49e+00 2	- 6.90e+00 1	-	6.87e+00 2	3.59e+00 2
			Bot	01	1.23e+00 1	4.08e+00 1	- 1.18e+00 2	1.45e+00 2	- 9.20e+00 1	-	2.07e+00 02	1.19e+00 2
1910	STL ENV_STR(al l)		Cent	Top	1.48e+00 2	6.31e+00 2	- 3.05e+00 2	7.79e+00 2	2.97e- 001	-	7.79e+00 2	3.89e+00 2
			Bot	- 01	3.86e+00 01	3.59e- 001	- 9.27e+00 1	7.56e+00 1	- 1.14e+00 2	-	1.65e+00 02	9.48e+00 1
1911	STL ENV_STR(al l)		Cent	Top	2.14e+00 2	8.00e+00 2	- 2.85e+00 2	9.15e+00 2	9.85e+00 1	-	8.70e+00 2	4.58e+00 2
			Bot	- 01	6.30e+00 01	- 5.28e+00 1	- 6.59e+00 1	8.14e+00 0	- 1.24e+00 2	-	1.28e+00 02	6.61e+00 1
191	STL ENV_STR(al		Cent	Top	3.24e+00	9.89e+00	- 2.34e+00	1.06e+00	2.50e+00	-	9.62e+00	5.31e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
2	1)		t		2	2	2	3	2		2	2
			Bot		3.98e+001	1.27e+002	8.19e+001	9.50e+000	1.76e+002	-	1.81e+002	9.27e+001
1913	STL ENV_STR(al1)		Cent	Top	2.40e+001	4.06e+001	-4.61e+001	7.92e+001	-1.45e+001	-	8.74e+001	4.69e+001
			Bot		8.30e+001	8.64e+000	2.10e+001	8.76e+001	1.32e+001	-	9.49e+001	5.04e+001
1914	STL ENV_STR(al1)		Cent	Top	6.82e+001	1.20e+002	1.36e+002	2.33e+002	-4.43e+001	-	2.58e+002	1.39e+002
			Bot		1.17e+002	8.22e+000	-6.66e+001	1.49e+002	-2.33e+001	-	1.62e+002	8.60e+001
1915	STL ENV_STR(al1)		Cent	Top	8.37e+001	2.20e+002	-2.06e+002	3.69e+002	-6.51e+001	-	4.05e+002	2.17e+002
			Bot		9.15e+001	1.64e+001	-7.98e+001	1.42e+002	-3.42e+001	-	1.62e+002	8.82e+001
1916	STL ENV_STR(al1)		Cent	Top	9.62e+001	3.37e+002	-2.49e+002	4.93e+002	-5.98e+001	-	5.26e+002	2.77e+002
			Bot		4.95e+001	7.78e+000	-7.01e+001	1.02e+002	-4.45e+001	-	1.30e+002	7.31e+001
1917	STL ENV_STR(al1)		Cent	Top	1.20e+002	4.60e+002	-2.69e+002	6.08e+002	-2.77e+001	-	6.22e+002	3.18e+002
			Bot		8.93e+000	1.72e+001	5.33e+001	5.07e+001	5.90e+001	-	9.51e+001	5.49e+001
1918	STL ENV_STR(al1)		Cent	Top	1.62e+002	5.83e+002	-2.67e+002	7.12e+002	3.20e+001	-	6.97e+002	3.56e+002
			Bot		1.84e+001	5.80e+001	3.71e+001	3.82e+000	8.02e+001	-	8.22e+001	4.20e+001
1919	STL ENV_STR(al1)		Cent	Top	2.19e+002	7.04e+002	-2.47e+002	8.08e+002	1.16e+002	-	7.56e+002	4.04e+002
			Bot		2.27e+00	1.22e+000	2.41e+000	1.71e+000	1.27e+000	1.20e+00	6.36e+000	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	2	1	1	2		02	1	
1920	STL ENV_STR(al l)		Cent	Top	2.79e+00 2	7.87e+00 2	- 2.08e+00 2	8.61e+00 2	2.05e+00 2	-	7.79e+00 2	4.30e+00 2
			Bot	01	1.68e+00 2	1.78e+00 2	4.16e+00 1	6.68e+00 0	1.88e+00 2	-	1.85e+00 02	9.41e+00 1
1921	STL ENV_STR(al l)		Cent	Top	4.16e+00 1	- 1.73e+00 1	- 7.15e+00 0	4.24e+00 1	- 1.82e+00 1	-	5.39e+00 1	3.03e+00 1
			Bot	01	1.09e+00 01	5.64e+00 1	2.47e+00 1	6.73e+00 1	4.91e- 002	-	6.72e+00 01	3.36e+00 1
1922	STL ENV_STR(al l)		Cent	Top	4.63e+00 1	- 3.82e+00 1	1.76e+00 1	4.98e+00 1	- 4.17e+00 1	-	7.94e+00 1	4.58e+00 1
			Bot	01	4.26e+00 01	1.49e+00 2	9.44e+00 1	2.05e+00 2	- 1.24e+00 1	-	2.11e+00 02	1.08e+00 2
1923	STL ENV_STR(al l)		Cent	Top	4.46e+00 1	- 5.11e+00 1	2.25e+00 1	4.96e+00 1	- 5.62e+00 1	-	9.16e+00 1	5.29e+00 1
			Bot	01	7.07e+00 01	2.52e+00 2	1.53e+00 2	3.40e+00 2	- 1.66e+00 1	-	3.48e+00 02	1.78e+00 2
1924	STL ENV_STR(al l)		Cent	Top	2.73e+00 1	- 6.14e+00 1	1.16e+00 1	2.88e+00 1	- 6.29e+00 1	-	8.12e+00 1	4.58e+00 1
			Bot	01	9.29e+00 01	3.47e+00 2	2.05e+00 2	4.61e+00 2	- 2.08e+00 1	-	4.72e+00 02	2.41e+00 2
1925	STL ENV_STR(al l)		Cent	Top	4.51e+00 0	- 7.88e+00 1	1.51e+00 0	4.54e+00 0	- 7.88e+00 1	-	8.12e+00 1	4.17e+00 1
			Bot	02	1.21e+00 02	4.38e+00 2	2.35e+00 2	5.62e+00 2	- 3.68e+00 0	-	5.64e+00 02	2.83e+00 2
1926	STL ENV_STR(al l)		Cent	Top	- 9.33e+00 0	- 1.13e+00 2	7.56e- 001	- 9.32e+00 0	- 1.13e+00 2	-	1.09e+00 2	5.66e+00 1
			Bot	02	1.62e+00 02	5.26e+00 2	2.45e+00 2	6.49e+00 2	3.86e+00 1	-	6.31e+00 02	3.25e+00 2
1927	STL ENV_STR(al l)		Cent	Top	- 1.07e+00 1	- 1.66e+00 2	1.46e+00 1	- 9.39e+00 0	- 1.68e+00 2	-	1.63e+00 2	8.38e+00 1

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
			Bot	2.16e+02	6.04e+02	2.41e+02	7.20e+02	1.01e+02	-	6.75e+02	3.60e+02			
1928	STL ENV_STR (all)		Cent	Top	-	2.33e+01	2.47e+02	4.41e+01	-	1.50e+01	2.56e+02	-	2.48e+02	1.28e+02
			Bot	02	2.60e+02	6.75e+02	2.32e+02	7.79e+02	1.57e+02	-	7.14e+02	3.90e+02		
1929	STL ENV_STR (all)		Cent	Top	-	1.31e+01	2.27e+02	5.15e+01	-	1.33e+00	2.39e+02	-	2.38e+02	1.20e+02
			Bot	02	2.40e+02	6.05e+02	2.27e+02	7.14e+02	1.32e+02	-	6.58e+02	3.57e+02		
1930	STL ENV_STR (all)		Cent	Top	-	2.02e+01	1.75e+02	5.14e+00	-	2.01e+01	1.75e+02	-	1.66e+02	8.75e+01
			Bot	02	1.87e+02	5.34e+02	2.45e+02	6.61e+02	5.99e+01	-	6.33e+02	3.30e+02		
1931	STL ENV_STR (all)		Cent	Top	-	1.44e+01	1.55e+02	3.36e+01	-	6.79e+00	1.62e+02	-	1.59e+02	8.12e+01
			Bot	02	1.41e+02	4.79e+02	2.31e+02	5.96e+02	2.33e+01	-	5.84e+02	2.98e+02		
1932	STL ENV_STR (all)		Cent	Top	-	6.43e+00	1.45e+02	3.92e+01	-	3.91e+00	1.55e+02	-	1.57e+02	7.95e+01
			Bot	02	1.06e+02	4.16e+02	2.08e+02	5.20e+02	1.63e+00	-	5.19e+02	2.60e+02		
1933	STL ENV_STR (all)		Cent	Top	1.31e-001	-	1.47e+02	3.24e+01	-	6.94e+00	1.54e+02	-	1.58e+02	8.05e+01
			Bot	02	1.91e+02	5.06e+02	2.10e+02	6.11e+02	8.67e+01	-	5.72e+02	3.05e+02		
1934	STL ENV_STR (all)		Cent	Top	-	3.42e+01	1.71e+02	4.37e+01	-	2.14e+01	1.83e+02	-	1.74e+02	9.17e+01
			Bot	02	1.39e+02	4.55e+02	2.27e+02	5.74e+02	2.04e+01	-	5.64e+02	2.87e+02		
1935	STL ENV_STR (all)		Cent	Top	-4.83e-001	-	8.12e+00	8.64e+00	-	4.31e-001	8.21e+00	-	8.24e+00	4.13e+00
			Bot	02	1.56e+02	3.32e+02	1.49e+02	4.17e+02	7.08e+01	-	3.86e+02	2.08e+02		



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1936	STL ENV_STR(al l)		Cent	Top	-	-	-	1.18e+00	-	-	2.22e+00	1.11e+00
			Bot	02	1.17e+00	4.31e+00	2.21e+00	5.45e+00	2.37e+00	-	5.44e+00	2.72e+00
1937	STL ENV_STR(al l)		Cent	Top	2.53e+00	-	-	3.13e+00	-	-	1.10e+00	6.11e+00
			Bot	01	5.78e+00	2.73e+00	1.41e+00	3.42e+00	-	-	3.49e+00	1.77e+00
1938	STL ENV_STR(al l)		Cent	Top	-	-	-	2.21e+00	-	-	2.26e+00	1.18e+00
			Bot	02	1.01e+00	4.07e+00	2.02e+00	5.07e+00	1.09e+00	-	5.07e+00	2.54e+00
1939	STL ENV_STR(al l)		Cent	Top	-	-	-	3.95e+00	-	-	2.53e+00	1.28e+00
			Bot	02	1.33e+00	4.06e+00	2.04e+00	5.15e+00	2.43e+00	-	5.03e+00	2.58e+00
1940	STL ENV_STR(al l)		Cent	Top	6.47e+00	-	-	1.59e+00	-	-	1.38e+00	7.27e+00
			Bot	01	8.20e+00	3.49e+00	1.79e+00	4.39e+00	-	-	4.43e+00	2.23e+00
1941	STL ENV_STR(al l)		Cent	Top	1.15e+00	5.65e+00	2.50e+00	6.76e+00	3.29e-	-	6.75e+00	3.38e+00
			Bot	01	4.12e+00	-	-	4.21e+00	-	-	5.35e+00	3.01e+00
1942	STL ENV_STR(al l)		Cent	Top	4.34e+00	1.49e+00	9.49e+00	2.05e+00	-	-	2.12e+00	1.09e+00
			Bot	01	4.61e+00	-	-	4.97e+00	-	-	7.88e+00	4.54e+00
1943	STL ENV_STR(al l)		Cent	Top	7.15e+00	2.52e+00	1.54e+00	3.40e+00	-	-	3.48e+00	1.78e+00
			Bot	01	4.45e+00	-	-	4.98e+00	-	-	9.10e+00	5.25e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
1944	STL ENV_STR(al l)		Cent	Top	9.36e+00 1	3.47e+00 2	2.05e+00 2	4.61e+00 2	- 2.07e+00 1	-	4.72e+00 2	2.41e+00 2
			Bot	2.74e+00 01	- 5.98e+00 1	1.24e+00 1	2.91e+00 1	- 6.16e+00 1	-	8.02e+00 01	4.53e+00 1	
1945	STL ENV_STR(al l)		Cent	Top	1.22e+00 2	4.36e+00 2	2.35e+00 2	5.62e+00 2	- 3.73e+00 0	-	5.63e+00 2	2.83e+00 2
			Bot	4.83e+00 00	- 7.69e+00 1	2.54e+00 0	4.91e+00 0	- 7.70e+00 1	-	7.96e+00 01	4.09e+00 1	
1946	STL ENV_STR(al l)		Cent	Top	1.62e+00 2	5.24e+00 2	2.45e+00 2	6.48e+00 2	3.83e+00 1	-	6.30e+00 2	3.24e+00 2
			Bot	- 8.80e+00 00	- 1.11e+00 2	2.02e+00 0	- 8.76e+00 0	- 1.11e+00 2	-	1.07e+00 02	5.54e+00 1	
1947	STL ENV_STR(al l)		Cent	Top	2.16e+00 2	6.02e+00 2	2.41e+00 2	7.17e+00 2	1.00e+00 2	-	6.73e+00 2	3.59e+00 2
			Bot	- 1.00e+00 01	- 1.63e+00 2	1.62e+00 1	- 8.32e+00 0	- 1.65e+00 2	-	1.61e+00 02	8.24e+00 1	
1948	STL ENV_STR(al l)		Cent	Top	2.59e+00 2	6.72e+00 2	2.32e+00 2	7.76e+00 2	1.55e+00 2	-	7.11e+00 2	3.88e+00 2
			Bot	- 2.23e+00 01	- 2.43e+00 2	4.58e+00 1	- 1.32e+00 1	- 2.52e+00 2	-	2.46e+00 02	1.26e+00 2	
1949	STL ENV_STR(al l)		Cent	Top	2.39e+00 2	6.02e+00 2	2.26e+00 2	7.11e+00 2	1.31e+00 2	-	6.55e+00 2	3.55e+00 2
			Bot	- 1.18e+00 01	- 2.23e+00 2	5.30e+00 1	7.45e- 001	- 2.35e+00 2	-	2.36e+00 02	1.18e+00 2	
1950	STL ENV_STR(al l)		Cent	Top	1.86e+00 2	5.32e+00 2	2.45e+00 2	6.58e+00 2	5.93e+00 1	-	6.31e+00 2	3.29e+00 2
			Bot	- 1.94e+00 01	- 1.71e+00 2	- 3.51e+00 0	- 1.93e+00 1	- 1.71e+00 2	-	1.62e+00 02	8.55e+00 1	
1951	STL ENV_STR(al l)		Cent	Top	1.40e+00 2	4.77e+00 2	2.31e+00 2	5.94e+00 2	2.31e+00 1	-	5.83e+00 2	2.97e+00 2
			Bot	- 1.38e+00 01	- 1.51e+00 2	- 3.21e+00 1	- 6.67e+00 0	- 1.59e+00 2	-	1.55e+00 02	7.93e+00 1	
195	STL		Cent	Top	1.06e+00	4.15e+00	2.08e+00	5.19e+00	1.63e+00	-	5.18e+00	2.60e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
2	ENV_STR(al1)		Top		2	2	2	2	0		2	2
			Bot	5.97e+000	1.42e+002	3.80e+001	3.93e+000	1.52e+002	-	1.54e+002	7.79e+001	
1953	STL ENV_STR(al1)		Top		1.90e+002	5.04e+002	2.09e+002	6.08e+002	8.60e+001	-	5.70e+002	3.04e+002
			Bot	1.28e+000	1.43e+002	3.40e+001	8.91e+000	1.50e+002	-	1.55e+002	7.96e+001	
1954	STL ENV_STR(al1)		Top		1.38e+002	4.53e+002	2.26e+002	5.71e+002	2.01e+001	-	5.61e+002	2.86e+002
			Bot	3.33e+001	1.67e+002	4.19e+001	2.12e+001	1.79e+002	-	1.69e+002	8.93e+001	
1955	STL ENV_STR(al1)		Top		1.55e+002	3.30e+002	1.48e+002	4.14e+002	7.05e+001	-	3.84e+002	2.07e+002
			Bot	4.80e-001	7.76e+001	7.17e+000	1.13e+000	7.82e+001	-	7.88e+001	3.97e+001	
1956	STL ENV_STR(al1)		Top		1.17e+002	4.29e+002	2.21e+002	5.43e+002	2.38e+000	-	5.42e+002	2.72e+002
			Bot	3.02e+001	1.86e+002	7.65e+001	1.10e+000	2.17e+002	-	2.18e+002	1.09e+002	
1957	STL ENV_STR(al1)		Top		5.85e+001	2.73e+002	1.41e+002	3.43e+002	1.16e+001	-	3.49e+002	1.77e+002
			Bot	2.53e+001	8.33e+001	2.56e+001	3.10e+001	8.90e+001	-	1.08e+002	6.00e+001	
1958	STL ENV_STR(al1)		Top		1.02e+002	4.06e+002	2.02e+002	5.06e+002	1.20e+000	-	5.06e+002	2.53e+002
			Bot	1.30e+001	1.76e+002	8.29e+001	2.18e+001	2.10e+002	-	2.22e+002	1.16e+002	
1959	STL ENV_STR(al1)		Top		1.32e+002	4.04e+002	2.03e+002	5.12e+002	2.44e+001	-	5.01e+002	2.56e+002
			Bot	6.98e+001	1.73e+002	1.14e+002	4.02e+000	2.46e+002	-	2.48e+002	1.25e+002	
1960	STL ENV_STR(al1)		Top		8.25e+001	3.48e+002	1.79e+002	4.39e+002	7.70e+000	-	4.43e+002	2.23e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	6.72e+00	-1.18e+002	-3.48e+001	1.58e+001	-1.27e+002	-	1.35e+002	7.13e+001	
1961	STL ENV_STR(al l)		Cent	Top	-6.79e+001	-7.58e+002	-4.95e+001	-6.44e+001	-7.61e+002	-	7.31e+002	3.81e+002
			Bot	-2.63e+002	5.77e+002	3.56e+000	5.77e+002	-2.63e+002	-	7.44e+002	4.20e+002	
1962	STL ENV_STR(al l)		Cent	Top	-5.69e+002	-8.10e+002	-1.01e+002	-5.32e+002	-8.47e+002	-	7.41e+002	4.23e+002
			Bot	2.48e+002	7.68e+002	7.01e+000	7.68e+002	2.47e+002	-	6.79e+002	3.84e+002	
1963	STL ENV_STR(al l)		Cent	Top	-4.72e+002	-7.84e+002	-6.00e+001	-4.61e+002	-7.95e+002	-	6.91e+002	3.97e+002
			Bot	1.86e+002	7.91e+002	-6.52e+001	7.98e+002	1.80e+002	-	7.25e+002	3.99e+002	
1964	STL ENV_STR(al l)		Cent	Top	-5.20e+002	-8.85e+002	1.89e+001	-5.19e+002	-8.86e+002	-	7.71e+002	4.43e+002
			Bot	2.96e+002	9.07e+002	-1.82e+002	9.57e+002	2.46e+002	-	8.61e+002	4.79e+002	
1965	STL ENV_STR(al l)		Cent	Top	2.51e+002	7.50e+001	5.67e-001	2.51e+002	7.50e+001	-	2.23e+002	1.25e+002
			Bot	-4.21e+002	-2.32e+002	-9.36e+001	-1.93e+002	-4.60e+002	-	4.00e+002	2.30e+002	
1966	STL ENV_STR(al l)		Cent	Top	-3.06e+002	-2.52e+002	4.16e+000	-2.52e+002	-3.06e+002	-	2.83e+002	1.53e+002
			Bot	1.17e+002	1.87e+002	-7.86e+001	2.38e+002	6.57e+001	-	2.13e+002	1.19e+002	
1967	STL ENV_STR(al l)		Cent	Top	-3.87e+002	-3.94e+002	7.64e+000	-3.82e+002	-3.99e+002	-	3.91e+002	2.00e+002
			Bot	2.23e+002	3.85e+002	-8.32e+001	4.20e+002	1.88e+002	-	3.64e+002	2.10e+002	
196	STL ENV_STR(al		Cent	Top	-3.61e+000	-3.19e+000	3.73e+000	-2.97e+000	-3.83e+000	-	3.48e+000	1.91e+000

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
8	1)		t		2	2	1	2	2		2	2	
			Bot	2.56e+002	3.64e+002	-9.23e+001	4.17e+002	2.03e+002	-	3.61e+002	2.09e+002		
1969	STL ENV_STR (al1)		Cent	Top	1.08e+002	-4.07e+001	1.53e+001	1.10e+002	-4.23e+001	-	1.36e+002	7.62e+001	
			Bot	-	1.77e+002	6.08e+001	-1.36e+002	2.86e+001	-2.67e+002	-	2.82e+002	1.48e+002	
1970	STL ENV_STR (al1)		Cent	Top	-	1.27e+002	5.00e+001	9.18e+001	1.10e+001	-1.88e+002	-	1.94e+002	9.95e+001
			Bot	4.65e+001	3.49e+000	-1.67e+002	1.93e+002	-1.43e+002	-	2.93e+002	1.68e+002		
1971	STL ENV_STR (al1)		Cent	Top	-	2.52e+002	9.26e+001	5.81e+001	7.37e+001	-2.71e+002	-	2.43e+002	1.36e+002
			Bot	1.74e+002	9.95e+001	-1.08e+002	2.52e+002	2.21e+001	-	2.41e+002	1.26e+002		
1972	STL ENV_STR (al1)		Cent	Top	-	2.35e+002	9.88e+001	9.03e+000	9.82e+001	-2.35e+002	-	2.05e+002	1.18e+002
			Bot	1.61e+002	1.53e+002	-4.56e+001	2.03e+002	1.11e+002	-	1.76e+002	1.01e+002		
1973	STL ENV_STR (al1)		Cent	Top	-	2.23e+001	1.83e+001	6.47e+000	1.35e+001	-2.71e+001	-	2.35e+001	1.35e+001
			Bot	3.06e+001	1.81e+001	-1.26e+002	1.34e+002	-1.22e+002	-	2.22e+002	1.28e+002		
1974	STL ENV_STR (al1)		Cent	Top	-	7.37e+001	1.30e+001	8.28e+001	4.48e+001	-1.32e+002	-	1.59e+002	8.82e+001
			Bot	7.48e+001	2.50e+000	-1.65e+002	2.08e+002	-1.30e+002	-	2.95e+002	1.69e+002		
1975	STL ENV_STR (al1)		Cent	Top	-	1.05e+002	1.64e+001	7.10e+001	4.92e+001	-1.37e+002	-	1.68e+002	9.33e+001
			Bot	9.63e+00	1.03e+00	-1.25e+00	1.86e+00	-7.91e+00	-	2.36e+00	1.32e+00		

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	1	2	2	1		02	2	
1976	STL ENV_STR(al l)		Cent	Top	- 9.48e+00 1	4.05e+00 1	1.65e+00 1	4.25e+00 1	- 9.68e+00 1	-	1.24e+00 2	6.96e+00 1
			Bot	01	7.76e+00 1	2.45e+00 1	- 5.47e+00 1	1.12e+00 2	- 9.75e+00 0	-	1.17e+00 02	6.08e+00 1
1977	STL ENV_STR(al l)		Cent	Top	- 1.50e+00 2	- 3.55e+00 1	- 1.35e+00 1	- 3.39e+00 1	- 1.51e+00 2	-	1.37e+00 2	7.55e+00 1
			Bot	02	2.23e+00 1	5.97e+00 1	- 1.19e+00 2	2.85e+00 2	- 2.54e+00 0	-	2.87e+00 02	1.44e+00 2
1978	STL ENV_STR(al l)		Cent	Top	- 4.02e+00 1	2.16e+00 1	6.21e+00 1	6.01e+00 1	- 7.87e+00 1	-	1.21e+00 2	6.94e+00 1
			Bot	02	1.13e+00 0	2.37e+00 0	- 1.53e+00 2	2.20e+00 2	- 1.05e+00 2	-	2.87e+00 02	1.63e+00 2
1979	STL ENV_STR(al l)		Cent	Top	2.33e+00 1	7.89e+00 1	4.69e+00 1	1.06e+00 2	- 3.47e+00 0	-	1.07e+00 2	5.45e+00 1
			Bot	01	3.84e+00 1	- 3.24e+00 1	- 1.14e+00 2	1.23e+00 2	- 1.17e+00 2	-	2.07e+00 02	1.20e+00 2
1980	STL ENV_STR(al l)		Cent	Top	4.74e+00 1	1.47e+00 2	- 6.06e+00 0	1.47e+00 2	4.70e+00 1	-	1.30e+00 2	7.36e+00 1
			Bot	00	- 2.77e+00 0	- 6.87e+00 1	- 4.61e+00 1	2.10e+00 1	- 9.24e+00 1	-	1.05e+00 02	5.67e+00 1
1981	STL ENV_STR(al l)		Cent	Top	- 2.55e+00 2	- 2.15e+00 1	- 2.12e+00 0	- 2.15e+00 1	- 2.55e+00 2	-	2.45e+00 2	1.28e+00 2
			Bot	02	3.91e+00 1	9.17e+00 1	- 1.18e+00 2	4.31e+00 2	5.09e+00 1	-	4.08e+00 02	2.16e+00 2
1982	STL ENV_STR(al l)		Cent	Top	2.41e+00 1	4.20e+00 1	3.29e+00 1	6.71e+00 1	- 1.09e+00 0	-	6.77e+00 1	3.41e+00 1
			Bot	02	1.19e+00 0	5.58e+00 0	- 1.29e+00 2	2.03e+00 2	- 7.82e+00 1	-	2.51e+00 02	1.41e+00 2
198	STL ENV_STR(al		Cent	Top	1.68e+00	1.81e+00	- 2.00e+00	1.95e+00	1.53e+00	-	1.78e+00	9.75e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
3	1)		t		2	2	1	2	2		2	1
			Bot	3.44e+001	1.20e+002	6.43e+001	5.00e-002	1.54e+002	-	1.54e+002	7.72e+001	
1984	STL ENV_STR (al1)		Cent	Top	1.78e+002	2.90e+002	-5.63e+001	3.13e+002	1.54e+002	-	2.71e+002	1.57e+002
			Bot	6.54e+001	1.99e+002	1.71e+001	6.33e+001	2.01e+002	-	1.78e+002	1.00e+002	
1985	STL ENV_STR (al1)		Cent	Top	3.65e+002	1.49e+002	2.21e+001	1.47e+002	3.67e+002	-	3.20e+002	1.84e+002
			Bot	5.59e+002	2.44e+002	-7.19e+001	5.75e+002	2.28e+002	-	5.02e+002	2.88e+002	
1986	STL ENV_STR (al1)		Cent	Top	2.27e+002	2.19e+002	-7.52e+001	2.98e+002	1.48e+002	-	2.58e+002	1.49e+002
			Bot	1.30e+001	1.67e+002	2.08e+001	1.02e+001	1.69e+002	-	1.65e+002	8.47e+001	
1987	STL ENV_STR (al1)		Cent	Top	3.02e+002	4.23e+002	-1.17e+002	4.94e+002	2.30e+002	-	4.28e+002	2.47e+002
			Bot	9.78e+001	3.58e+002	1.52e+001	9.70e+001	3.59e+002	-	3.22e+002	1.80e+002	
1988	STL ENV_STR (al1)		Cent	Top	2.86e+002	5.03e+002	-1.02e+002	5.43e+002	2.46e+002	-	4.71e+002	2.72e+002
			Bot	9.98e+001	3.99e+002	5.84e+000	9.97e+001	3.99e+002	-	3.59e+002	1.99e+002	
1989	STL ENV_STR (al1)		Cent	Top	-2.47e+001	7.18e+002	-7.51e+001	7.26e+002	3.22e+001	-	7.43e+002	3.79e+002
			Bot	2.81e+002	-6.28e+002	2.28e+001	2.81e+002	-6.29e+002	-	8.07e+002	4.55e+002	
1990	STL ENV_STR (al1)		Cent	Top	5.08e+002	8.06e+002	-1.62e+002	8.77e+002	4.37e+002	-	7.60e+002	4.39e+002
			Bot	-2.44e+001	-7.76e+001	6.43e+001	-2.36e+001	-7.84e+001	-	6.97e+001	3.92e+001	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	2	1	2	2		02	2	
1991	STL ENV_STR(al l)		Cent	Top	3.84e+00 2	7.46e+00 2	- 1.44e+00 2	7.97e+00 2	3.34e+00 2	-	6.93e+00 2	3.98e+00 2
			Bot	- 1.15e+0 02	- 6.83e+00 2	3.28e+00 1	- 1.13e+00 2	- 6.85e+00 2	-	6.36e+0 02	3.43e+00 2	
1992	STL ENV_STR(al l)		Cent	Top	3.93e+00 2	7.67e+00 2	- 1.14e+00 2	7.99e+00 2	3.61e+00 2	-	6.93e+00 2	3.99e+00 2
			Bot	- 1.24e+0 02	- 6.54e+00 2	5.26e+00 0	- 1.24e+00 2	- 6.54e+00 2	-	6.02e+0 02	3.27e+00 2	
1993	STL ENV_STR(al l)		Cent	Top	- 5.18e+00 2	- 8.77e+00 2	- 2.26e+00 1	- 5.17e+00 2	- 8.78e+00 2	-	7.65e+00 2	4.39e+00 2
			Bot	2.90e+0 02	8.98e+00 2	1.76e+00 2	9.46e+00 2	2.43e+00 2	-	8.51e+0 02	4.73e+00 2	
1994	STL ENV_STR(al l)		Cent	Top	- 4.71e+00 2	- 7.79e+00 2	5.53e+00 1	- 4.62e+00 2	- 7.89e+00 2	-	6.87e+00 2	3.94e+00 2
			Bot	1.83e+0 02	7.86e+00 2	6.01e+00 1	7.92e+00 2	1.77e+00 2	-	7.19e+0 02	3.96e+00 2	
1995	STL ENV_STR(al l)		Cent	Top	- 5.69e+00 2	- 8.08e+00 2	9.61e+00 1	- 5.36e+00 2	- 8.42e+00 2	-	7.38e+00 2	4.21e+00 2
			Bot	2.46e+0 02	7.65e+00 2	- 1.18e+00 1	7.65e+00 2	2.46e+00 2	-	6.76e+0 02	3.82e+00 2	
1996	STL ENV_STR(al l)		Cent	Top	- 6.80e+00 1	- 7.57e+00 2	4.46e+00 1	- 6.51e+00 1	- 7.60e+00 2	-	7.30e+00 2	3.80e+00 2
			Bot	- 2.64e+0 02	5.76e+00 2	- 8.16e+00 0	5.76e+00 2	- 2.64e+00 2	-	7.44e+0 02	4.20e+00 2	
1997	STL ENV_STR(al l)		Cent	Top	- 3.60e+00 2	- 3.18e+00 2	- 3.95e+00 1	- 2.94e+00 2	- 3.84e+00 2	-	3.48e+00 2	1.92e+00 2
			Bot	2.51e+0 02	3.60e+00 2	8.72e+00 1	4.09e+00 2	2.03e+00 2	-	3.54e+0 02	2.04e+00 2	
1998	STL ENV_STR(al l)		Cent	Top	- 3.87e+00 2	- 3.92e+00 2	- 1.08e+00 1	- 3.78e+00 2	- 4.01e+00 2	-	3.90e+00 2	2.00e+00 2



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
			Bot	2.20e+02	3.81e+02	7.76e+01	4.13e+02	1.89e+02	-	3.58e+02	2.06e+02		
199	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	2.83e+02	1.53e+02	
			Bot	02	1.15e+02	1.85e+02	7.32e+01	2.31e+02	6.88e+01	-	2.05e+02	1.15e+02	
200	STL ENV_STR(al l)		Cent	Top	2.50e+02	7.52e+01	-	4.79e+00	2.50e+02	7.51e+01	-	2.22e+02	1.25e+02
			Bot	02	4.21e+02	2.32e+02	8.80e+01	1.98e+02	4.56e+02	-	3.96e+02	2.28e+02	
200	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	-	2.04e+02	1.17e+02
			Bot	02	1.58e+02	1.50e+02	4.10e+01	1.95e+02	1.12e+02	-	1.69e+02	9.74e+01	
200	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	-	2.44e+02	1.36e+02
			Bot	02	1.72e+02	9.71e+01	1.03e+02	2.44e+02	2.46e+01	-	2.33e+02	1.22e+02	
200	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	-	1.98e+02	1.02e+02
			Bot	01	4.51e+02	1.92e+02	1.61e+02	1.86e+02	1.39e+02	-	2.83e+02	1.63e+02	
200	STL ENV_STR(al l)		Cent	Top	1.08e+02	-	-	1.10e+02	-	4.32e+01	-	1.37e+02	7.67e+01
			Bot	02	1.77e+02	6.12e+01	1.30e+02	2.33e+01	2.62e+02	-	2.74e+02	1.42e+02	
200	STL ENV_STR(al l)		Cent	Top	-	3.87e+01	-	4.15e+01	-	9.63e+01	-	1.22e+02	6.89e+01
			Bot	01	7.56e+01	2.18e+01	5.02e+01	1.06e+02	8.26e+00	-	1.10e+02	5.70e+01	
200	STL ENV_STR(al l)		Cent	Top	-	1.51e+01	-	5.04e+01	-	-	1.70e+02	9.47e+01	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	9.48e+001	8.21e+000	1.20e+002	1.79e+002	-7.62e+001	-	2.27e+002	1.28e+002	
2007	STL ENV_STR (al1)		Cent	Top	-	-	-	4.70e+001	-	-	1.63e+002	9.06e+001
			Bot	01	7.40e+000	1.28e+000	1.60e+002	2.01e+002	-1.26e+002	-	2.86e+002	1.64e+002
2008	STL ENV_STR (al1)		Cent	Top	-	-	3.68e+000	-	-	-	2.19e+001	1.24e+001
			Bot	01	3.06e+001	-1.84e+001	1.20e+002	1.29e+002	-1.17e+002	-	2.13e+002	1.23e+002
2009	STL ENV_STR (al1)		Cent	Top	4.83e+001	1.44e+002	3.27e+000	1.44e+002	4.82e+001	-	1.27e+002	7.22e+001
			Bot	00	-4.00e+000	-7.12e+001	4.16e+001	1.59e+001	-9.11e+001	-	1.00e+002	5.35e+001
2010	STL ENV_STR (al1)		Cent	Top	2.38e+001	7.70e+001	-4.97e+001	1.07e+002	-5.93e+000	-	1.10e+002	5.63e+001
			Bot	01	3.75e+001	-3.43e+001	1.09e+002	1.17e+002	-1.13e+002	-	1.99e+002	1.15e+002
2011	STL ENV_STR (al1)		Cent	Top	-4.01e+001	2.05e+001	-6.48e+001	6.17e+001	-8.13e+001	-	1.24e+002	7.15e+001
			Bot	02	1.13e+000	1.28e+000	1.47e+002	2.15e+002	-1.00e+002	-	2.79e+002	1.58e+002
2012	STL ENV_STR (al1)		Cent	Top	-	-	1.09e+001	-	-	-	1.37e+002	7.54e+001
			Bot	02	2.23e+001	5.93e+001	1.13e+002	2.81e+002	1.76e+000	-	2.80e+002	1.40e+002
2013	STL ENV_STR (al1)		Cent	Top	1.78e+002	2.87e+002	5.34e+001	3.09e+002	1.56e+002	-	2.67e+002	1.54e+002
			Bot	01	-6.62e+001	-2.01e+002	1.26e+001	-6.50e+001	-2.02e+002	-	1.79e+002	1.01e+002
2014	STL ENV_STR (al1)		Cent	Top	1.68e+002	1.78e+002	1.72e+001	1.91e+002	1.55e+002	-	1.76e+002	9.55e+001

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	l)		Bot	- 3.49e+001	- 1.22e+002	5.94e+001	- 4.77e+000	- 1.52e+002	-	1.49e+002	7.59e+001	
2015	STL ENV_STR (al l)		Cent	Top	2.40e+001	4.05e+001	- 3.56e+001	6.89e+001	- 4.34e+000	-	7.11e+001	3.66e+001
			Bot	1.19e+002	4.70e+000	1.23e+002	1.98e+002	- 7.41e+001	-	2.44e+002	1.36e+002	
2016	STL ENV_STR (al l)		Cent	Top	- 2.55e+002	- 2.21e+001	- -4.72e-001	- 2.21e+001	- 2.55e+002	-	2.45e+002	1.28e+002
			Bot	3.91e+002	9.15e+001	1.12e+002	4.29e+002	5.40e+001	-	4.04e+002	2.14e+002	
2017	STL ENV_STR (al l)		Cent	Top	2.86e+002	4.99e+002	9.93e+001	5.38e+002	2.47e+002	-	4.67e+002	2.69e+002
			Bot	- 1.00e+002	- 4.01e+002	- 1.03e+001	- 1.00e+002	- 4.01e+002	-	3.62e+002	2.01e+002	
2018	STL ENV_STR (al l)		Cent	Top	3.02e+002	4.20e+002	1.14e+002	4.90e+002	2.32e+002	-	4.24e+002	2.45e+002
			Bot	- 9.81e+001	- 3.60e+002	- 2.00e+001	- 9.66e+001	- 3.61e+002	-	3.24e+002	1.81e+002	
2019	STL ENV_STR (al l)		Cent	Top	2.27e+002	2.17e+002	7.25e+001	2.95e+002	1.49e+002	-	2.55e+002	1.47e+002
			Bot	- 1.29e+001	- 1.67e+002	- 1.59e+001	- 1.13e+001	- 1.69e+002	-	1.64e+002	8.45e+001	
2020	STL ENV_STR (al l)		Cent	Top	- 3.65e+002	- 1.50e+002	1.94e+001	- 1.48e+002	- 3.67e+002	-	3.20e+002	1.83e+002
			Bot	5.60e+002	2.44e+002	6.70e+001	5.74e+002	2.30e+002	-	5.00e+002	2.87e+002	
2021	STL ENV_STR (al l)		Cent	Top	3.92e+002	7.62e+002	1.12e+002	7.93e+002	3.61e+002	-	6.88e+002	3.97e+002
			Bot	- 1.25e+002	- 6.56e+002	- 9.50e+000	- 1.24e+002	- 6.56e+002	-	6.03e+002	3.28e+002	
2022	STL ENV_STR (al l)		Cent	Top	3.83e+002	7.43e+002	1.41e+002	7.92e+002	3.34e+002	-	6.89e+002	3.96e+002
			Bot	- 1.16e+00	- 6.84e+00	- 3.71e+00	- 1.13e+00	- 6.87e+00	-	6.38e+002	3.43e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				02	2	1	2	2				
2023	STL ENV_STR (all)		Cent	Top	5.08e+00 2	8.04e+00 2	1.59e+00 2	8.73e+00 2	4.38e+00 2	-	7.56e+00 2	4.37e+00 2
			Bot	02	2.44e+00 2	7.77e+00 2	6.86e+00 1	2.35e+00 2	7.85e+00 2	-	6.98e+00 02	3.93e+00 2
2024	STL ENV_STR (all)		Cent	Top	- 2.50e+00 1	7.18e+00 2	7.26e+00 1	7.25e+00 2	- 3.21e+00 1	-	7.41e+00 2	3.78e+00 2
			Bot	02	2.81e+00 02	6.28e+00 2	2.67e+00 1	2.82e+00 2	6.29e+00 2	-	8.08e+00 02	4.55e+00 2
2025	STL ENV_STR (all)		Cent	Top	- 2.68e+00 2	4.56e+00 2	1.70e+00 2	1.68e+00 2	5.56e+00 2	-	4.94e+00 2	2.78e+00 2
			Bot	02	3.57e+00 02	5.29e+00 2	2.92e+00 2	7.48e+00 2	1.39e+00 2	-	6.89e+00 02	3.74e+00 2
2026	STL ENV_STR (all)		Cent	Top	- 2.66e+00 2	2.24e+00 2	1.00e+00 1	2.22e+00 2	2.69e+00 2	-	2.49e+00 2	1.34e+00 2
			Bot	02	1.75e+00 02	3.02e+00 2	3.64e+00 1	3.12e+00 2	1.66e+00 2	-	2.71e+00 02	1.56e+00 2
2027	STL ENV_STR (all)		Cent	Top	- 1.64e+00 2	6.17e+00 1	2.09e+00 1	5.76e+00 1	1.68e+00 2	-	1.48e+00 2	8.41e+00 1
			Bot	02	1.01e+00 02	1.43e+00 2	3.26e+00 0	1.43e+00 2	1.00e+00 2	-	1.27e+00 02	7.15e+00 1
2028	STL ENV_STR (all)		Cent	Top	- 5.71e+00 1	6.77e+00 1	2.92e+00 1	7.42e+00 1	6.36e+00 1	-	1.19e+00 2	6.89e+00 1
			Bot	01	3.21e+00 01	1.92e+00 1	7.74e+00 0	3.57e+00 1	1.56e+00 1	-	3.10e+00 01	1.78e+00 1
2029	STL ENV_STR (all)		Cent	Top	5.69e+00 1	1.92e+00 2	4.60e+00 1	2.07e+00 2	4.28e+00 1	-	1.89e+00 2	1.03e+00 2
			Bot	01	2.94e+00 01	9.44e+00 1	1.42e+00 1	2.64e+00 1	9.73e+00 1	-	8.72e+00 01	4.87e+00 1
2030	STL ENV_STR (all)		Cent	Top	1.69e+00 2	3.39e+00 2	6.89e+00 1	3.64e+00 2	1.44e+00 2	-	3.17e+00 2	1.82e+00 2
			Bot	01	7.91e+00 01	2.26e+00 2	1.83e+00 1	7.68e+00 1	2.28e+00 2	-	2.01e+00 02	1.14e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
2031	STL ENV_STR(al l)		Cent	Top	2.75e+00 2	5.30e+00 2	8.70e+00 1	5.57e+00 2	2.49e+00 2	-	4.84e+00 2	2.79e+00 2	
			Bot	-	1.11e+00 02	3.98e+00 2	1.40e+00 1	1.11e+00 2	3.99e+00 2	-	3.57e+00 02	1.99e+00 2	
2032	STL ENV_STR(al l)		Cent	Top	3.81e+00 2	7.75e+00 2	8.70e+00 1	7.93e+00 2	3.62e+00 2	-	6.88e+00 2	3.97e+00 2	
			Bot	-	1.18e+00 02	6.22e+00 2	4.29e+00 0	1.17e+00 2	6.22e+00 2	-	5.73e+00 02	3.11e+00 2	
2033	STL ENV_STR(al l)		Cent	Top	-	1.49e+00 2	3.89e+00 1	6.81e+00 1	6.46e+00 0	1.82e+00 2	-	1.79e+00 2	9.09e+00 1
			Bot	-	1.57e+00 02	6.13e+00 1	1.08e+00 2	2.27e+00 2	9.34e+00 0	-	2.32e+00 02	1.18e+00 2	
2034	STL ENV_STR(al l)		Cent	Top	-	1.17e+00 2	1.27e+00 2	-7.64e- 001	1.17e+00 2	1.27e+00 2	-	1.22e+00 2	6.34e+00 1
			Bot	-	8.01e+00 01	2.00e+00 2	4.60e+00 1	2.15e+00 2	6.45e+00 1	-	1.92e+00 02	1.08e+00 2	
2035	STL ENV_STR(al l)		Cent	Top	-	8.55e+00 1	1.68e+00 1	4.66e+00 1	6.73e+00 0	1.09e+00 2	-	1.13e+00 2	5.79e+00 1
			Bot	-	3.27e+00 01	1.01e+00 2	2.77e+00 1	1.11e+00 2	2.29e+00 1	-	1.01e+00 02	5.53e+00 1	
2036	STL ENV_STR(al l)		Cent	Top	-	1.73e+00 1	9.67e+00 1	5.70e+00 1	1.20e+00 2	4.09e+00 1	-	1.45e+00 2	8.06e+00 1
			Bot	-	9.51e+00 00	2.54e+00 0	4.47e+00 1	3.88e+00 1	5.09e+00 1	-	7.79e+00 01	4.49e+00 1	
2037	STL ENV_STR(al l)		Cent	Top	6.73e+00 1	2.15e+00 2	6.91e+00 1	2.42e+00 2	4.00e+00 1	-	2.25e+00 2	1.21e+00 2	
			Bot	-	5.25e+00 01	1.08e+00 2	5.12e+00 1	2.21e+00 1	1.39e+00 2	-	1.29e+00 02	6.93e+00 1	
2038	STL ENV_STR(al l)		Cent	Top	1.58e+00 2	3.52e+00 2	7.82e+00 1	3.80e+00 2	1.31e+00 2	-	3.34e+00 2	1.90e+00 2	
			Bot	-	8.78e+00 01	2.28e+00 2	4.64e+00 1	7.39e+00 1	2.42e+00 2	-	2.15e+00 02	1.21e+00 2	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
2039	STL ENV_STR(al l)		Cent	Top	2.53e+00 2	5.21e+00 2	7.74e+00 1	5.41e+00 2	2.33e+00 2	-	4.70e+00 2	2.71e+00 2
			Bot	1.10e+00 02	3.76e+00 2	2.76e+00 1	1.07e+00 2	3.79e+00 2	-	3.39e+00 02	1.90e+00 2	
2040	STL ENV_STR(al l)		Cent	Top	3.59e+00 2	7.36e+00 2	5.28e+00 1	7.43e+00 2	3.52e+00 2	-	6.44e+00 2	3.72e+00 2
			Bot	1.09e+00 02	5.70e+00 2	1.46e+00 1	1.08e+00 2	5.71e+00 2	-	5.25e+00 02	2.85e+00 2	
2041	STL ENV_STR(al l)		Cent	Top	7.70e+00 1	2.05e+00 1	1.87e+00 1	1.49e+00 1	8.26e+00 1	-	7.63e+00 1	4.13e+00 1
			Bot	5.52e+00 01	3.17e+00 1	2.36e+00 1	6.98e+00 1	1.71e+00 1	-	6.30e+00 01	3.49e+00 1	
2042	STL ENV_STR(al l)		Cent	Top	4.95e+00 1	2.13e+00 1	5.05e+00 0	2.04e+00 1	5.04e+00 1	-	4.39e+00 1	2.52e+00 1
			Bot	2.06e+00 01	5.98e+00 1	6.09e+00 0	6.08e+00 1	1.97e+00 1	-	5.37e+00 01	3.04e+00 1	
2043	STL ENV_STR(al l)		Cent	Top	2.37e+00 1	2.44e+00 1	4.36e+00 1	5.01e+00 1	4.94e+00 1	-	8.62e+00 1	4.98e+00 1
			Bot	1.50e+00 01	4.03e+00 1	3.88e+00 1	6.03e+00 1	3.50e+00 1	-	8.35e+00 01	4.76e+00 1	
2044	STL ENV_STR(al l)		Cent	Top	1.45e+00 1	1.16e+00 2	6.74e+00 1	1.50e+00 2	1.91e+00 1	-	1.60e+00 2	8.44e+00 1
			Bot	4.11e+00 01	3.59e+00 1	6.78e+00 1	2.93e+00 1	1.06e+00 2	-	1.24e+00 02	6.78e+00 1	
2045	STL ENV_STR(al l)		Cent	Top	7.26e+00 1	2.19e+00 2	7.85e+00 1	2.53e+00 2	3.84e+00 1	-	2.36e+00 2	1.27e+00 2
			Bot	6.63e+00 01	1.24e+00 2	7.54e+00 1	1.45e+00 1	1.76e+00 2	-	1.69e+00 02	8.81e+00 1	
2046	STL ENV_STR(al l)		Cent	Top	1.43e+00 2	3.35e+00 2	8.12e+00 1	3.65e+00 2	1.13e+00 2	-	3.23e+00 2	1.82e+00 2
			Bot	8.72e+00 01	2.25e+00 2	6.79e+00 1	5.94e+00 1	2.53e+00 2	-	2.29e+00 02	1.26e+00 2	
204	STL		Cent	Top	2.22e+00	4.73e+00	6.77e+00	4.90e+00	2.05e+00	-	4.27e+00	2.45e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
7	ENV_STR(al1)		t		2	2	1	2	2		2	2
			Bot		9.72e+001	3.46e+002	3.79e+001	9.15e+001	3.52e+002	-	3.16e+002	1.76e+002
2048	STL ENV_STR(al1)		Cent	Top	3.12e+002	6.36e+002	3.44e+001	6.40e+002	3.09e+002	-	5.54e+002	3.20e+002
			Bot		8.81e+001	4.97e+002	2.19e+001	8.70e+001	4.98e+002	-	4.60e+002	2.49e+002
2049	STL ENV_STR(al1)		Cent	Top	2.69e+001	4.16e+000	5.97e+000	5.27e+000	2.80e+001	-	3.10e+001	1.66e+001
			Bot		7.55e+000	4.52e+000	3.24e+000	8.37e+000	5.34e+000	-	1.20e+001	6.85e+000
2050	STL ENV_STR(al1)		Cent	Top	1.76e+001	1.86e+001	1.11e+001	2.18e+001	2.07e+001	-	3.68e+001	2.12e+001
			Bot		1.06e+001	5.39e+000	2.49e+001	1.71e+001	3.31e+001	-	4.42e+001	2.51e+001
2051	STL ENV_STR(al1)		Cent	Top	9.22e-001	6.13e+001	3.93e+001	8.07e+001	1.84e+001	-	9.13e+001	4.96e+001
			Bot		3.58e+001	2.86e+001	5.47e+001	2.26e+001	8.70e+001	-	1.00e+002	5.48e+001
2052	STL ENV_STR(al1)		Cent	Top	2.87e+001	1.28e+002	6.53e+001	1.60e+002	3.79e+000	-	1.62e+002	8.19e+001
			Bot		5.57e+001	7.86e+001	8.05e+001	1.42e+001	1.48e+002	-	1.56e+002	8.13e+001
2053	STL ENV_STR(al1)		Cent	Top	6.89e+001	2.09e+002	7.94e+001	2.45e+002	3.30e+001	-	2.30e+002	1.22e+002
			Bot		6.94e+001	1.45e+002	9.07e+001	8.94e+000	2.06e+002	-	2.01e+002	1.03e+002
2054	STL ENV_STR(al1)		Cent	Top	1.20e+002	2.98e+002	7.96e+001	3.29e+002	9.00e+001	-	2.94e+002	1.64e+002
			Bot		7.75e+001	2.22e+002	8.10e+001	4.13e+001	2.58e+002	-	2.40e+002	1.29e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
2055	STL ENV_STR(al l)		Cent	Top	1.80e+00 2	3.98e+00 2	6.11e+00 1	4.14e+00 2	1.64e+00 2	-	3.61e+00 2	2.07e+00 2
			Bot	01	7.79e+00 2	3.10e+00 2	4.51e+00 1	6.94e+00 1	3.18e+00 2	-	2.90e+00 02	1.59e+00 2
2056	STL ENV_STR(al l)		Cent	Top	2.50e+00 2	5.09e+00 2	2.35e+00 1	5.11e+00 2	2.48e+00 2	-	4.43e+00 2	2.56e+00 2
			Bot	01	6.79e+00 2	4.12e+00 2	2.68e+00 1	6.58e+00 1	4.14e+00 2	-	3.86e+00 02	2.07e+00 2
2057	STL ENV_STR(al l)		Cent	Top	- 2.65e+00 2	- 4.59e+00 2	- 1.69e+00 2	- 1.67e+00 2	- 5.57e+00 2	-	4.95e+00 2	2.78e+00 2
			Bot	02	3.69e+00 2	5.35e+00 2	- 2.99e+00 2	7.62e+00 2	1.42e+00 2	-	7.02e+00 02	3.81e+00 2
2058	STL ENV_STR(al l)		Cent	Top	- 2.68e+00 2	- 2.25e+00 2	- 1.25e+00 1	- 2.21e+00 2	- 2.71e+00 2	-	2.50e+00 2	1.36e+00 2
			Bot	02	1.80e+00 2	3.07e+00 2	- 4.04e+00 1	3.19e+00 2	1.69e+00 2	-	2.76e+00 02	1.59e+00 2
2059	STL ENV_STR(al l)		Cent	Top	- 1.66e+00 2	- 6.05e+00 1	- 2.35e+00 1	- 5.55e+00 1	- 1.71e+00 2	-	1.51e+00 2	8.53e+00 1
			Bot	02	1.04e+00 2	1.46e+00 2	- 7.15e+00 0	1.47e+00 2	1.03e+00 2	-	1.31e+00 02	7.37e+00 1
2060	STL ENV_STR(al l)		Cent	Top	- 5.85e+00 1	7.00e+00 1	- 3.19e+00 1	7.75e+00 1	- 6.60e+00 1	-	1.24e+00 2	7.17e+00 1
			Bot	01	3.41e+00 1	2.23e+00 1	3.87e+00 0	3.53e+00 1	2.12e+00 1	-	3.08e+00 01	1.76e+00 1
2061	STL ENV_STR(al l)		Cent	Top	5.58e+00 1	1.95e+00 2	- 4.88e+00 1	2.11e+00 2	4.05e+00 1	-	1.94e+00 2	1.05e+00 2
			Bot	01	2.80e+00 01	9.13e+00 1	1.03e+00 1	- 2.64e+00 1	9.29e+00 1	-	8.29e+00 01	4.65e+00 1
2062	STL ENV_STR(al l)		Cent	Top	1.68e+00 2	3.43e+00 2	- 7.18e+00 1	3.69e+00 2	1.42e+00 2	-	3.22e+00 2	1.84e+00 2
			Bot	-	7.81e+00 2	2.23e+00 2	1.44e+00 1	- 7.67e+00 2	- 2.24e+00 2	-	1.97e+00 02	1.12e+00 2



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	2		1	2				
2063	STL ENV_STR(al l)		Cent	Top	2.75e+00 2	5.35e+00 2	- 8.98e+00 1	5.63e+00 2	2.47e+00 2	-	4.89e+00 2	2.81e+00 2
			Bot	-	1.11e+00 02	-	3.95e+00 2	1.00e+00 1	-	1.10e+00 2	3.95e+00 2	-
2064	STL ENV_STR(al l)		Cent	Top	3.82e+00 2	7.80e+00 2	- 8.95e+00 1	7.99e+00 2	3.63e+00 2	-	6.93e+00 2	4.00e+00 2
			Bot	-	1.16e+00 02	-	6.19e+00 2	8.38e+00 0	-	1.16e+00 2	6.19e+00 2	-
2065	STL ENV_STR(al l)		Cent	Top	- 1.48e+00 2	- 3.88e+00 1	6.77e+00 1	- 6.51e+00 0	- 1.81e+00 2	-	1.78e+00 2	9.04e+00 1
			Bot	-	1.63e+00 02	6.23e+00 1	-	1.11e+00 2	2.35e+00 2	-	9.46e+00 0	-
2066	STL ENV_STR(al l)		Cent	Top	- 1.17e+00 2	- 1.27e+00 2	- 1.30e+00 0	- 1.17e+00 2	- 1.27e+00 2	-	1.22e+00 2	6.34e+00 1
			Bot	-	8.44e+00 01	2.03e+00 2	-	4.96e+00 1	2.21e+00 2	6.64e+00 1	-	1.97e+00 02
2067	STL ENV_STR(al l)		Cent	Top	- 8.66e+00 1	- 1.54e+00 1	- 4.91e+00 1	9.61e+00 0	- 1.12e+00 2	-	1.17e+00 2	6.06e+00 1
			Bot	-	3.55e+00 01	1.04e+00 2	2.45e+00 1	1.12e+00 2	2.76e+00 1	-	1.01e+00 02	5.59e+00 1
2068	STL ENV_STR(al l)		Cent	Top	- 1.86e+00 1	9.91e+00 1	- 5.95e+00 1	1.24e+00 2	- 4.34e+00 1	-	1.50e+00 2	8.37e+00 1
			Bot	-	7.62e+00 00	5.83e- 001	4.15e+00 1	3.82e+00 1	- 4.52e+00 1	-	7.23e+00 01	4.17e+00 1
2069	STL ENV_STR(al l)		Cent	Top	6.61e+00 1	2.18e+00 2	- 7.16e+00 1	2.47e+00 2	3.77e+00 1	-	2.30e+00 2	1.23e+00 2
			Bot	-	5.12e+00 01	-	1.05e+00 2	4.80e+00 1	-	2.30e+00 1	1.33e+00 2	-
2070	STL ENV_STR(al		Cent	Top	1.58e+00 2	3.56e+00 2	- 8.08e+00	3.85e+00 2	1.29e+00 2	-	3.39e+00 2	1.92e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	1)						1					
			Bot		8.68e+00	2.25e+00	4.33e+00	2.37e+00	-	2.10e+00	1.19e+00	
2071	STL ENV_STR(al1)		Cent	Top	2.53e+00	5.25e+00	-8.00e+00	5.47e+00	2.31e+00	-	4.76e+00	2.74e+00
			Bot		1.08e+00	3.72e+00	2.45e+00	3.74e+00	-	3.34e+00	1.87e+00	
2072	STL ENV_STR(al1)		Cent	Top	3.60e+00	7.41e+00	-5.49e+00	7.49e+00	3.53e+00	-	6.49e+00	3.74e+00
			Bot		1.07e+00	5.65e+00	1.80e+00	5.66e+00	-	5.21e+00	2.83e+00	
2073	STL ENV_STR(al1)		Cent	Top	7.71e+00	2.05e+00	1.85e+00	1.50e+00	8.26e+00	-	7.62e+00	4.13e+00
			Bot		5.86e+00	3.23e+00	-2.51e+00	1.71e+00	-	6.69e+00	3.69e+00	
2074	STL ENV_STR(al1)		Cent	Top	4.96e+00	2.09e+00	6.35e+00	1.96e+00	5.09e+00	-	4.45e+00	2.55e+00
			Bot		2.36e+00	6.15e+00	8.61e+00	2.18e+00	-	5.58e+00	3.17e+00	
2075	STL ENV_STR(al1)		Cent	Top	2.43e+00	2.57e+00	4.54e+00	5.26e+00	5.11e+00	-	8.98e+00	5.19e+00
			Bot		1.28e+00	4.28e+00	3.62e+00	3.06e+00	-	8.05e+00	4.56e+00	
2076	STL ENV_STR(al1)		Cent	Top	1.35e+00	1.19e+00	-6.94e+00	1.53e+00	-2.10e+00	-	1.65e+00	8.70e+00
			Bot		3.96e+00	3.31e+00	6.53e+00	1.02e+00	-	1.19e+00	6.53e+00	
2077	STL ENV_STR(al1)		Cent	Top	7.16e+00	2.22e+00	-8.06e+00	2.57e+00	3.66e+00	-	2.41e+00	1.29e+00
			Bot		6.51e+00	1.21e+00	7.30e+00	1.71e+00	-	1.64e+00	8.57e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	2	1	1	2		02	1	
2078	STL ENV_STR(al l)		Cent	Top	1.42e+00 2	3.39e+00 2	- 8.33e+00 1	3.70e+00 2	1.12e+00 2	-	3.28e+00 2	1.85e+00 2
			Bot	-	8.61e+00 01	-	2.21e+00 2	6.56e+00 1	-	5.96e+00 1	2.48e+00 2	-
2079	STL ENV_STR(al l)		Cent	Top	2.22e+00 2	4.78e+00 2	- 6.96e+00 1	4.96e+00 2	2.04e+00 2	-	4.32e+00 2	2.48e+00 2
			Bot	-	9.58e+00 01	-	3.42e+00 2	3.57e+00 1	-	9.08e+00 1	3.47e+00 2	-
2080	STL ENV_STR(al l)		Cent	Top	3.14e+00 2	6.41e+00 2	- 3.63e+00 1	6.45e+00 2	3.10e+00 2	-	5.59e+00 2	3.22e+00 2
			Bot	-	8.59e+00 01	-	4.91e+00 2	2.38e+00 1	-	8.45e+00 1	4.92e+00 2	-
2081	STL ENV_STR(al l)		Cent	Top	- 2.72e+00 1	4.16e+00 0	6.07e+00 0	5.30e+00 0	- 2.84e+00 1	-	3.14e+00 1	1.68e+00 1
			Bot	-	9.04e+00 00	-	4.15e+00 0	2.40e+00 0	9.47e+00 0	-	4.58e+00 0	-
2082	STL ENV_STR(al l)		Cent	Top	- 1.78e+00 1	1.91e+00 1	- 1.16e+00 1	2.24e+00 1	- 2.12e+00 1	-	3.78e+00 1	2.18e+00 1
			Bot	-	8.70e+00 00	-	4.28e+00 0	2.33e+00 1	1.69e+00 1	-	2.99e+00 1	-
2083	STL ENV_STR(al l)		Cent	Top	5.32e- 001	6.25e+00 1	- 4.04e+00 1	8.25e+00 1	- 1.94e+00 1	-	9.37e+00 1	5.09e+00 1
			Bot	-	3.42e+00 01	-	2.69e+00 1	5.28e+00 1	2.24e+00 1	-	8.35e+00 1	-
2084	STL ENV_STR(al l)		Cent	Top	2.80e+00 1	1.30e+00 2	- 6.67e+00 1	1.63e+00 2	- 4.96e+00 0	-	1.65e+00 2	8.39e+00 1
			Bot	-	5.45e+00 01	-	7.65e+00 1	7.87e+00 1	1.40e+00 1	-	1.45e+00 2	-
208	STL ENV_STR(al		Cent	Top	6.82e+00	2.12e+00	- 8.09e+00	2.48e+00	3.18e+00	-	2.34e+00	1.24e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
5	l)		t		1	2	1	2	1		2	2
			Bot	6.84e+001	1.43e+002	8.90e+001	9.12e+000	2.02e+002	-	1.97e+002	1.01e+002	
2086	STL ENV_STR(al l)		Cent	Top	1.20e+002	3.02e+002	-8.11e+001	3.33e+002	8.90e+001	-	2.99e+002	1.67e+002
			Bot	7.66e+001	2.19e+002	7.93e+001	4.12e+001	2.54e+002	-	2.36e+002	1.27e+002	
2087	STL ENV_STR(al l)		Cent	Top	1.80e+002	4.02e+002	-6.28e+001	4.18e+002	1.64e+002	-	3.65e+002	2.09e+002
			Bot	7.66e+001	3.06e+002	4.37e+001	6.86e+001	3.14e+002	-	2.86e+002	1.57e+002	
2088	STL ENV_STR(al l)		Cent	Top	2.51e+002	5.13e+002	-2.53e+001	5.16e+002	2.49e+002	-	4.47e+002	2.58e+002
			Bot	6.61e+001	4.08e+002	2.79e+001	6.39e+001	4.11e+002	-	3.83e+002	2.05e+002	
2097	STL ENV_STR(al l)		Cent	Top	2.46e+000	-1.58e+001	-1.18e+001	8.25e+000	-2.16e+001	-	2.67e+001	1.49e+001
			Bot	1.20e+001	9.21e+000	-1.42e+000	9.30e+000	-1.21e+001	-	1.86e+001	1.07e+001	
2098	STL ENV_STR(al l)		Cent	Top	-1.86e+001	5.80e+001	3.93e+001	5.63e+000	-8.23e+001	-	8.53e+001	4.40e+001
			Bot	5.01e+000	3.77e+001	1.34e+001	4.15e+001	-8.84e+000	-	4.66e+001	2.52e+001	
2099	STL ENV_STR(al l)		Cent	Top	-4.03e+001	9.98e+001	6.74e+001	3.61e+000	-1.44e+002	-	1.46e+002	7.37e+001
			Bot	7.31e+000	8.03e+001	3.59e+001	9.50e+001	-7.39e+000	-	9.89e+001	5.12e+001	
2100	STL ENV_STR(al l)		Cent	Top	-5.57e+001	1.31e+002	9.20e+001	6.06e+000	-1.93e+002	-	1.96e+002	9.94e+001
			Bot	2.66e+00	1.33e+00	6.07e+00	1.60e+00	-9.42e-	-	1.61e+00	8.06e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
				01	2	1	2	001		02	1	
2101	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	2.28e+00	1.15e+00
			Bot	01	5.37e+00	1.89e+00	7.59e+00	2.23e+00	1.96e+00	-	2.14e+00	1.11e+00
2102	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	2.47e+00	1.29e+00
			Bot	01	8.90e+00	2.47e+00	7.69e+00	2.78e+00	5.78e+00	-	2.55e+00	1.39e+00
2103	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	2.59e+00	1.39e+00
			Bot	02	1.30e+00	3.06e+00	5.80e+00	3.23e+00	1.12e+00	-	2.84e+00	1.62e+00
2104	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	2.96e+00	1.57e+00
			Bot	02	1.70e+00	3.57e+00	2.15e+00	3.59e+00	1.67e+00	-	3.11e+00	1.79e+00
2105	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	2.06e+00	1.08e+00
			Bot	01	9.43e+00	2.06e+00	2.26e+00	2.11e+00	9.00e+00	-	1.83e+00	1.05e+00
2106	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	2.28e+00	1.19e+00
			Bot	01	7.65e+00	2.03e+00	5.29e+00	2.23e+00	5.73e+00	-	2.00e+00	1.11e+00
2107	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	2.56e+00	1.30e+00
			Bot	01	5.44e+00	1.84e+00	6.86e+00	2.13e+00	2.49e+00	-	2.02e+00	1.07e+00
2108	STL ENV_STR(al l)		Cent	Top	-	-	-	-	-	-	2.67e+00	1.34e+00
			Bot	01	3.36e+00	1.52e+00	6.65e+00	1.81e+00	3.69e+00	-	1.80e+00	9.07e+00
210	STL ENV_STR(al		Cent	Top	-	-	-	-	-	-	1.25e+00	6.50e+00

Element	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
9	1)		t		1	2	0	1	2		2	1
			Bot	3.29e+001	8.99e+001	1.39e+001	9.31e+001	2.97e+001	-	8.24e+001	4.66e+001	
2110	STL ENV_STR (al1)		Cent	Top	-	-	-	-	-	-	1.97e+002	1.00e+002
			Bot	3.51e+001	1.10e+002	4.29e+001	1.30e+002	1.56e+001	-	1.23e+002	6.48e+001	
2111	STL ENV_STR (al1)		Cent	Top	-	-	-	-	-	-	6.38e+001	3.34e+001
			Bot	6.39e+000	7.77e+000	-2.49e+000	9.66e+000	4.49e+000	-	8.37e+000	4.83e+000	
2112	STL ENV_STR (al1)		Cent	Top	-	-	-	-	-	-	2.72e+002	1.36e+002
			Bot	3.23e+001	1.25e+002	5.64e+001	1.51e+002	5.54e+000	-	1.49e+002	7.56e+001	
2113	STL ENV_STR (al1)		Cent	Top	-	-	-	-	-	-	2.02e+002	1.05e+002
			Bot	9.91e+000	8.62e+001	3.60e+001	1.01e+002	-4.42e+000	-	1.03e+002	5.25e+001	
2114	STL ENV_STR (al1)		Cent	Top	-	-	-	-	-	-	3.12e+002	1.59e+002
			Bot	2.98e+001	1.31e+002	5.43e+001	1.55e+002	6.24e+000	-	1.52e+002	7.74e+001	
2115	STL ENV_STR (al1)		Cent	Top	-	-	-	-	-	-	1.86e+002	9.47e+001
			Bot	2.68e+001	6.78e+001	2.38e+001	7.87e+001	1.59e+001	-	7.21e+001	3.94e+001	
2116	STL ENV_STR (al1)		Cent	Top	-	-	-	-	-	-	2.52e+002	1.27e+002
			Bot	1.99e+001	1.19e+002	5.36e+001	1.43e+002	-3.47e+000	-	1.44e+002	7.30e+001	
2117	STL ENV_STR (al1)		Cent	Top	-	9.22e+000	-	9.27e+000	-	-	1.83e+001	1.05e+001
					1.17e+000		1.08e+000		1.18e+000			

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )		
	1)				1		0		1					
			Bot		1.62e+000	1.62e+001	1.23e+001	7.92e+000	2.25e+001	-	2.74e+001	1.52e+001		
2118	STL ENV_STR(al1)		Cent	Top	-	4.73e+000	3.74e+001	1.33e+001	4.12e+001	-	8.59e+000	-	4.61e+001	2.49e+001
			Bot		-	1.97e+001	5.89e+001	4.04e+001	5.58e+000	-	8.41e+001	-	8.71e+001	4.49e+001
2119	STL ENV_STR(al1)		Cent	Top	7.66e+000	7.93e+001	3.56e+001	9.40e+001	-	7.02e+000	-	9.77e+001	5.05e+001	
			Bot		-	4.14e+001	1.01e+002	6.87e+001	3.68e+000	-	1.48e+002	-	7.48e+001	
2120	STL ENV_STR(al1)		Cent	Top	2.71e+001	1.31e+002	6.00e+001	1.58e+002	-3.79e-001	-	1.58e+002	7.93e+001		
			Bot		-	5.66e+001	1.32e+002	9.32e+001	6.12e+000	-	1.98e+002	1.01e+002		
2121	STL ENV_STR(al1)		Cent	Top	5.42e+001	1.86e+002	7.51e+001	2.20e+002	2.02e+001	-	2.10e+002	1.10e+002		
			Bot		-	6.40e+001	1.72e+002	1.01e+002	3.84e+000	-	2.31e+002	1.16e+002		
2122	STL ENV_STR(al1)		Cent	Top	8.92e+001	2.44e+002	7.58e+001	2.75e+002	5.83e+001	-	2.51e+002	1.37e+002		
			Bot		-	6.24e+001	2.20e+002	8.82e+001	2.30e+001	-	2.49e+002	1.30e+002		
2123	STL ENV_STR(al1)		Cent	Top	1.29e+002	3.02e+002	5.65e+001	3.19e+002	1.12e+002	-	2.80e+002	1.59e+002		
			Bot		-	5.40e+001	2.69e+002	4.91e+001	4.34e+001	-	2.61e+002	1.40e+002		
2124	STL ENV_STR(al1)		Cent	Top	1.68e+002	3.52e+002	1.93e+001	3.54e+002	1.66e+002	-	3.07e+002	1.77e+002		
			Bot		-	4.51e+001	3.15e+002	2.40e+001	4.29e+001	-	2.98e+002	1.58e+002		
2125	STL ENV_STR(al1)		Cent	Top	9.26e+001	2.02e+002	2.09e+001	2.06e+002	8.88e+001	-	1.79e+002	1.03e+002		

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
	l)		Bot	- 2.48e+0 01	- 2.16e+0 2	1.49e+0 1	- 2.37e+0 1	- 2.17e+0 2	-	2.06e+0 02	1.08e+0 2	
2126	STL ENV_STR(al l)		Cent	Top	7.58e+0 1	2.00e+0 2	5.19e+0 1	2.19e+0 2	5.69e+0 1	-	1.96e+0 2	1.09e+0 2
			Bot	-	3.50e+0 01	-	2.24e+0 2	5.29e+0 1	-	2.12e+0 1	2.38e+0 2	-
2127	STL ENV_STR(al l)		Cent	Top	5.44e+0 1	1.81e+0 2	6.79e+0 1	2.11e+0 2	2.49e+0 1	-	1.99e+0 2	1.05e+0 2
			Bot	-	4.91e+0 01	-	2.17e+0 2	9.44e+0 1	-	6.75e+0 0	2.60e+0 2	-
2128	STL ENV_STR(al l)		Cent	Top	3.40e+0 1	1.50e+0 2	6.61e+0 1	1.80e+0 2	3.91e+0 0	-	1.78e+0 2	8.98e+0 1
			Bot	-	6.07e+0 01	-	2.10e+0 2	1.10e+0 2	1.97e+0 0	-	2.69e+0 2	-
2129	STL ENV_STR(al l)		Cent	Top	3.13e+0 1	8.57e+0 1	1.21e+0 1	8.83e+0 1	2.87e+0 1	-	7.80e+0 1	4.41e+0 1
			Bot	-	9.72e+0 00	-	1.27e+0 2	1.99e+0 0	9.69e+0 0	1.27e+0 2	-	1.23e+0 02
2130	STL ENV_STR(al l)		Cent	Top	3.44e+0 1	1.07e+0 2	4.18e+0 1	1.26e+0 2	1.54e+0 1	-	1.19e+0 2	6.31e+0 1
			Bot	-	3.15e+0 01	-	1.75e+0 2	6.27e+0 1	7.99e+0 0	1.99e+0 2	-	1.95e+0 02
2131	STL ENV_STR(al l)		Cent	Top	5.37e+0 0	4.97e+0 0	- 3.59e+0 0	8.76e+0 0	1.57e+0 0	-	8.10e+0 0	4.38e+0 0
			Bot	-	1.09e+0 01	-	5.97e+0 1	1.52e+0 1	6.57e+0 0	6.40e+0 1	-	6.10e+0 01
2132	STL ENV_STR(al l)		Cent	Top	3.23e+0 1	1.23e+0 2	5.59e+0 1	1.49e+0 2	5.59e+0 0	-	1.47e+0 2	7.46e+0 1
			Bot	-	5.43e+0 01	-	2.17e+0 2	1.08e+0 2	-3.20e- 001	2.71e+0 2	-	2.71e+0 02
2133	STL ENV_STR(al l)		Cent	Top	1.02e+0 1	8.52e+0 1	3.59e+0 1	9.96e+0 1	4.20e+0 0	-	1.02e+0 2	5.19e+0 1
			Bot	-	3.83e+0	-	1.42e+0	9.16e+0	1.51e+0	1.96e+0	-	2.03e+0



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
				01	2	1	1	2		02	2		
2134	STL ENV_STR (al1)		Cent	Top	3.01e+001	1.30e+002	5.42e+001	1.53e+002	6.31e+000	-	1.50e+002	7.67e+001	
			Bot	01	6.39e+001	2.32e+002	1.34e+002	1.00e+001	3.06e+002	-	3.11e+002	1.58e+002	
2135	STL ENV_STR (al1)		Cent	Top	2.61e+001	6.53e+001	2.26e+001	7.56e+001	1.58e+001	-	6.91e+001	3.78e+001	
			Bot	01	4.24e+001	1.51e+002	7.05e+001	7.64e+000	1.86e+002	-	1.82e+002	9.28e+001	
2136	STL ENV_STR (al1)		Cent	Top	2.03e+001	1.18e+002	5.34e+001	1.41e+002	-	3.23e+000	-	1.43e+002	7.23e+001
			Bot	01	5.72e+001	1.89e+002	1.09e+002	4.42e+000	2.51e+002	-	2.53e+002	1.27e+002	
2137	STL ENV_STR (al1)		Cent	Top	-	5.41e+002	7.57e+002	2.60e+002	3.68e+002	9.31e+002	-	8.12e+002	4.65e+002
			Bot	02	6.08e+001	2.40e+001	2.71e+002	1.25e+002	7.09e+002	-	7.78e+002	4.17e+002	
2138	STL ENV_STR (al1)		Cent	Top	-	7.13e+002	7.41e+002	2.58e+002	4.69e+002	9.85e+002	-	8.53e+002	4.92e+002
			Bot	02	2.11e+002	1.99e+002	2.70e+002	3.33e+002	3.46e+002	-	5.88e+002	3.40e+002	
2139	STL ENV_STR (al1)		Cent	Top	-	5.61e+002	6.52e+002	2.19e+002	3.83e+002	8.31e+002	-	7.20e+002	4.15e+002
			Bot	02	1.60e+002	3.20e+002	1.45e+002	3.61e+002	2.01e+002	-	4.93e+002	2.81e+002	
2140	STL ENV_STR (al1)		Cent	Top	-	5.28e+002	6.74e+002	2.16e+002	3.73e+002	8.29e+002	-	7.19e+002	4.14e+002
			Bot	00	5.27e+002	5.06e+002	3.02e+001	5.08e+002	7.04e+000	-	5.12e+002	2.58e+002	
2141	STL ENV_STR (al1)		Cent	Top	-	1.69e+002	2.82e+002	3.51e+002	1.30e+002	5.81e+002	-	6.55e+002	3.55e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	4.39e+002	4.07e+002	2.67e+002	1.56e+002	6.91e+002	-	6.28e+002	3.45e+002	
2142	STL ENV_STR(al1)		Cent	Top	4.44e+002	4.58e+002	3.72e+002	7.89e+001	8.24e+002	-	7.87e+002	4.12e+002
			Bot	1.29e+002	1.54e+002	2.52e+002	1.11e+002	3.94e+002	-	4.60e+002	2.52e+002	
2143	STL ENV_STR(al1)		Cent	Top	4.40e+002	4.82e+002	3.45e+002	1.15e+002	8.07e+002	-	7.56e+002	4.04e+002
			Bot	4.68e+001	2.42e+001	1.97e+002	1.89e+002	2.12e+002	-	3.47e+002	2.00e+002	
2144	STL ENV_STR(al1)		Cent	Top	3.61e+002	3.74e+002	3.11e+002	5.58e+001	6.79e+002	-	6.53e+002	3.39e+002
			Bot	1.28e+001	7.35e+001	1.27e+002	1.74e+002	8.76e+001	-	2.30e+002	1.31e+002	
2145	STL ENV_STR(al1)		Cent	Top	1.90e+002	3.68e+002	3.82e+002	1.13e+002	6.72e+002	-	7.35e+002	3.93e+002
			Bot	1.54e+002	3.06e+002	2.63e+002	4.42e+001	5.04e+002	-	5.27e+002	2.74e+002	
2146	STL ENV_STR(al1)		Cent	Top	2.69e+002	3.57e+002	4.39e+002	1.29e+002	7.54e+002	-	8.26e+002	4.42e+002
			Bot	5.76e+001	2.78e+002	2.13e+002	7.16e+001	4.08e+002	-	4.48e+002	2.40e+002	
2147	STL ENV_STR(al1)		Cent	Top	2.93e+002	3.33e+002	4.03e+002	9.01e+001	7.16e+002	-	7.66e+002	4.03e+002
			Bot	5.23e+000	2.03e+002	2.12e+002	1.30e+002	3.38e+002	-	4.19e+002	2.34e+002	
2148	STL ENV_STR(al1)		Cent	Top	2.46e+002	2.80e+002	3.25e+002	6.27e+001	5.88e+002	-	6.22e+002	3.25e+002
			Bot	1.05e+001	1.48e+002	1.97e+002	1.29e+002	2.88e+002	-	3.70e+002	2.09e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
2149	STL ENV_STR (all)		Cent	Top	-2.46e+002	-3.75e+002	3.80e+002	7.41e+001	-6.96e+002	-	7.36e+002	3.85e+002
			Bot	01	7.05e+001	2.93e+002	2.76e+002	2.19e+002	-4.41e+002	-	5.83e+002	3.30e+002
2150	STL ENV_STR (all)		Cent	Top	-1.94e+002	-3.43e+002	4.40e+002	1.78e+002	-7.15e+002	-	8.19e+002	4.46e+002
			Bot	01	2.50e+001	3.00e+002	2.24e+002	1.39e+002	-4.14e+002	-	4.99e+002	2.77e+002
2151	STL ENV_STR (all)		Cent	Top	-1.48e+002	-2.83e+002	4.10e+002	2.00e+002	-6.32e+002	-	7.52e+002	4.16e+002
			Bot	01	1.01e+001	3.14e+002	2.24e+002	1.09e+002	-4.33e+002	-	4.96e+002	2.71e+002
2152	STL ENV_STR (all)		Cent	Top	-1.11e+002	-2.17e+002	3.25e+002	1.65e+002	-4.93e+002	-	5.93e+002	3.29e+002
			Bot	01	3.70e+001	3.22e+002	2.24e+002	8.63e+001	-4.45e+002	-	4.94e+002	2.66e+002
2153	STL ENV_STR (all)		Cent	Top	-3.22e+002	-4.03e+002	3.72e+002	1.14e+001	-7.36e+002	-	7.42e+002	3.74e+002
			Bot	02	2.69e+002	2.46e+002	2.80e+002	3.91e+002	-3.69e+002	-	6.59e+002	3.80e+002
2154	STL ENV_STR (all)		Cent	Top	-1.28e+002	-3.16e+002	4.28e+002	2.17e+002	-6.61e+002	-	7.91e+002	4.39e+002
			Bot	01	8.22e+001	3.29e+002	2.49e+002	2.00e+002	-4.46e+002	-	5.73e+002	3.23e+002
2155	STL ENV_STR (all)		Cent	Top	-2.19e+000	-2.48e+002	3.82e+002	2.77e+002	-5.27e+002	-	7.07e+002	4.02e+002
			Bot	01	2.77e+001	4.12e+002	2.61e+002	1.04e+002	-5.44e+002	-	6.03e+002	3.24e+002
2156	STL ENV_STR (all)		Cent	Top	4.07e+001	-1.62e+002	2.80e+002	2.38e+002	-3.58e+002	-	5.20e+002	2.98e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	7.45e+001	4.90e+002	2.64e+002	5.38e+001	6.18e+002	-	6.47e+002	3.36e+002	
2157	STL ENV_STR (al1)		Cent	Top	3.73e+002	3.58e+002	3.68e+002	3.30e+000	7.33e+002	-	7.35e+002	3.68e+002
			Bot	4.33e+002	2.28e+002	2.76e+002	5.33e+002	3.28e+002	-	7.53e+002	4.31e+002	
2158	STL ENV_STR (al1)		Cent	Top	1.02e+001	2.68e+002	4.07e+002	2.88e+002	5.66e+002	-	7.53e+002	4.27e+002
			Bot	9.35e+001	3.73e+002	3.01e+002	2.41e+002	5.21e+002	-	6.74e+002	3.81e+002	
2159	STL ENV_STR (al1)		Cent	Top	1.84e+002	1.65e+002	3.16e+002	3.71e+002	3.51e+002	-	6.25e+002	3.61e+002
			Bot	7.32e+001	5.81e+002	3.36e+002	9.40e+001	7.48e+002	-	8.00e+002	4.21e+002	
2160	STL ENV_STR (al1)		Cent	Top	2.00e+002	6.84e+001	2.02e+002	3.08e+002	1.77e+002	-	4.26e+002	2.43e+002
			Bot	1.12e+002	7.16e+002	3.11e+002	1.96e+001	8.48e+002	-	8.58e+002	4.34e+002	
2161	STL ENV_STR (al1)		Cent	Top	3.59e+002	3.25e+002	3.28e+002	1.33e+001	6.71e+002	-	6.64e+002	3.35e+002
			Bot	5.80e+002	1.13e+002	3.20e+002	7.06e+002	2.38e+002	-	8.50e+002	4.72e+002	
2162	STL ENV_STR (al1)		Cent	Top	2.69e+002	3.69e+001	3.17e+002	4.68e+002	2.36e+002	-	6.20e+002	3.52e+002
			Bot	1.15e+000	6.04e+002	4.47e+002	2.36e+002	8.41e+002	-	9.81e+002	5.39e+002	
2163	STL ENV_STR (al1)		Cent	Top	3.81e+002	5.40e+001	2.08e+002	4.82e+002	4.73e+001	-	5.07e+002	2.65e+002
			Bot	1.19e+002	9.44e+002	4.28e+002	6.28e+001	1.13e+003	-	1.16e+003	5.94e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
2164	STL ENV_STR(al l)		Cent	Top	3.31e+00 2	9.80e+00 1	1.17e+00 2	3.80e+00 2	4.91e+00 1	-	3.58e+00 2	1.90e+00 2	
			Bot	-	1.55e+00 02	1.05e+00 3	3.23e+00 2	5.00e+00 1	1.15e+00 3	-	1.13e+00 03	5.76e+00 2	
2165	STL ENV_STR(al l)		Cent	Top	2.66e+00 2	6.27e+00 2	2.13e+00 2	7.25e+00 2	1.67e+00 2	-	6.58e+00 2	3.63e+00 2	
			Bot	-	4.73e+00 02	7.88e+00 2	4.06e+00 2	5.92e+00 2	9.08e+00 2	-	1.31e+00 03	7.50e+00 2	
2166	STL ENV_STR(al l)		Cent	Top	6.39e+00 2	5.93e+00 2	1.80e+00 2	7.97e+00 2	4.35e+00 2	-	6.91e+00 2	3.99e+00 2	
			Bot	-	1.54e+00 02	1.29e+00 3	5.48e+00 2	6.77e+00 1	1.51e+00 3	-	1.54e+00 03	7.89e+00 2	
2167	STL ENV_STR(al l)		Cent	Top	4.67e+00 2	4.02e+00 2	1.17e+00 2	5.56e+00 2	3.13e+00 2	-	4.83e+00 2	2.78e+00 2	
			Bot	-	2.03e+00 02	1.51e+00 3	3.97e+00 2	9.14e+00 1	1.62e+00 3	-	1.57e+00 03	8.09e+00 2	
2168	STL ENV_STR(al l)		Cent	Top	3.88e+00 2	3.64e+00 2	7.29e+00 1	4.50e+00 2	3.02e+00 2	-	3.97e+00 2	2.25e+00 2	
			Bot	-	2.60e+00 02	1.48e+00 3	2.54e+00 2	2.10e+00 2	1.53e+00 3	-	1.43e+00 03	7.64e+00 2	
2169	STL ENV_STR(al l)		Cent	Top	-	5.21e+00 2	6.62e+00 2	2.08e+00 2	3.72e+00 2	8.11e+00 2	-	7.03e+00 2	4.06e+00 2
			Bot	-	8.50e+00 00	4.95e+00 2	2.63e+00 1	4.97e+00 2	9.87e+00 0	-	5.02e+00 02	2.53e+00 2	
2170	STL ENV_STR(al l)		Cent	Top	-	5.57e+00 2	6.45e+00 2	2.14e+00 2	3.83e+00 2	8.19e+00 2	-	7.10e+00 2	4.10e+00 2
			Bot	-	1.61e+00 02	3.13e+00 2	1.41e+00 2	3.52e+00 2	2.00e+00 2	-	4.84e+00 02	2.76e+00 2	
2171	STL ENV_STR(al l)		Cent	Top	-	7.10e+00 2	7.37e+00 2	2.54e+00 2	4.70e+00 2	9.78e+00 2	-	8.47e+00 2	4.89e+00 2
			Bot	-	2.11e+00 02	1.95e+00 2	2.66e+00 2	3.27e+00 2	3.42e+00 2	-	5.80e+00 02	3.35e+00 2	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
2172	STL ENV_STR(al l)		Cent	Top	- 5.40e+00 2	- 7.56e+00 2	- 2.56e+00 2	- 3.70e+00 2	- 9.26e+00 2	-	8.07e+00 2	4.63e+00 2
			Bot	- 6.08e+00 02	2.26e+00 1	- 2.68e+00 2	1.21e+00 2	- 7.06e+00 2	-	7.74e+00 02	4.14e+00 2	
2173	STL ENV_STR(al l)		Cent	Top	- 3.52e+00 2	- 3.70e+00 2	- 3.03e+00 2	- 5.71e+00 1	- 6.64e+00 2	-	6.38e+00 2	3.32e+00 2
			Bot	1.35e+00 01	7.02e+00 1	- 1.24e+00 2	1.69e+00 2	- 8.54e+00 1	-	2.24e+00 02	1.27e+00 2	
2174	STL ENV_STR(al l)		Cent	Top	- 4.33e+00 2	- 4.79e+00 2	- 3.39e+00 2	- 1.17e+00 2	- 7.96e+00 2	-	7.44e+00 2	3.98e+00 2
			Bot	- 4.54e+00 01	1.93e+00 1	- 1.95e+00 2	1.84e+00 2	- 2.10e+00 2	-	3.42e+00 02	1.97e+00 2	
2175	STL ENV_STR(al l)		Cent	Top	- 4.40e+00 2	- 4.57e+00 2	- 3.68e+00 2	- 8.08e+00 1	- 8.16e+00 2	-	7.79e+00 2	4.08e+00 2
			Bot	- 1.27e+00 02	- 1.58e+00 2	- 2.50e+00 2	1.08e+00 2	- 3.93e+00 2	-	4.57e+00 02	2.51e+00 2	
2176	STL ENV_STR(al l)		Cent	Top	- 1.68e+00 2	- 2.82e+00 2	- 3.47e+00 2	1.26e+00 2	- 5.77e+00 2	-	6.49e+00 2	3.52e+00 2
			Bot	- 4.37e+00 02	- 4.08e+00 2	- 2.66e+00 2	1.57e+00 2	- 6.89e+00 2	-	6.26e+00 02	3.45e+00 2	
2177	STL ENV_STR(al l)		Cent	Top	- 2.35e+00 2	- 2.80e+00 2	- 3.17e+00 2	6.09e+00 1	- 5.75e+00 2	-	6.08e+00 2	3.18e+00 2
			Bot	- 6.20e+00 00	- 1.50e+00 2	- 1.93e+00 2	1.28e+00 2	- 2.84e+00 2	-	3.66e+00 02	2.06e+00 2	
2178	STL ENV_STR(al l)		Cent	Top	- 2.84e+00 2	- 3.35e+00 2	- 3.98e+00 2	8.87e+00 1	- 7.08e+00 2	-	7.56e+00 2	3.98e+00 2
			Bot	- 1.28e+00 00	- 2.07e+00 2	- 2.11e+00 2	1.31e+00 2	- 3.39e+00 2	-	4.20e+00 02	2.35e+00 2	
2179	STL ENV_STR(al l)		Cent	Top	- 2.63e+00 2	- 3.59e+00 2	- 4.36e+00 2	1.28e+00 2	- 7.50e+00 2	-	8.21e+00 2	4.39e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	5.44e+001	2.81e+002	2.13e+002	7.38e+001	4.10e+002	-	4.51e+002	2.42e+002	
2180	STL ENV_STR(al1)		Cent	Top	1.89e+002	3.69e+002	3.80e+002	1.12e+002	6.70e+002	-	7.33e+002	3.91e+002
			Bot	1.51e+002	3.06e+002	2.65e+002	4.72e+001	5.05e+002	-	5.30e+002	2.76e+002	
2181	STL ENV_STR(al1)		Cent	Top	9.77e+001	2.22e+002	3.18e+002	1.65e+002	4.84e+002	-	5.84e+002	3.24e+002
			Bot	2.90e+001	3.26e+002	2.21e+002	8.91e+001	4.44e+002	-	4.94e+002	2.66e+002	
2182	STL ENV_STR(al1)		Cent	Top	1.38e+002	2.89e+002	4.07e+002	2.01e+002	6.28e+002	-	7.49e+002	4.14e+002
			Bot	3.62e+000	3.19e+002	2.25e+002	1.14e+002	4.36e+002	-	5.03e+002	2.75e+002	
2183	STL ENV_STR(al1)		Cent	Top	1.88e+002	3.47e+002	4.40e+002	1.80e+002	7.15e+002	-	8.20e+002	4.47e+002
			Bot	2.95e+001	3.04e+002	2.28e+002	1.45e+002	4.19e+002	-	5.08e+002	2.82e+002	
2184	STL ENV_STR(al1)		Cent	Top	2.45e+002	3.77e+002	3.81e+002	7.54e+001	6.98e+002	-	7.38e+002	3.87e+002
			Bot	7.31e+001	2.94e+002	2.80e+002	2.25e+002	4.46e+002	-	5.91e+002	3.35e+002	
2185	STL ENV_STR(al1)		Cent	Top	5.60e+001	1.73e+002	2.77e+002	2.41e+002	3.58e+002	-	5.22e+002	2.99e+002
			Bot	6.37e+001	4.97e+002	2.63e+002	6.01e+001	6.21e+002	-	6.53e+002	3.41e+002	
2186	STL ENV_STR(al1)		Cent	Top	8.88e+000	2.58e+002	3.84e+002	2.81e+002	5.31e+002	-	7.14e+002	4.06e+002
			Bot	1.98e+001	4.20e+002	2.65e+002	1.12e+002	5.52e+002	-	6.15e+002	3.32e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
2187	STL ENV_STR(al l)		Cent	Top	- 1.21e+00 2	- 3.23e+00 2	- 4.32e+00 2	2.22e+00 2	- 6.66e+00 2	-	8.01e+00 2	4.44e+00 2
			Bot	8.72e+00 01	- 3.34e+00 2	- 2.56e+00 2	2.08e+00 2	- 4.55e+00 2	-	5.88e+00 02	3.32e+00 2	
2188	STL ENV_STR(al l)		Cent	Top	- 3.21e+00 2	- 4.05e+00 2	- 3.77e+00 2	1.64e+00 1	- 7.42e+00 2	-	7.51e+00 2	3.79e+00 2
			Bot	2.71e+00 02	- 2.48e+00 2	- 2.88e+00 2	3.99e+00 2	- 3.76e+00 2	-	6.72e+00 02	3.88e+00 2	
2189	STL ENV_STR(al l)		Cent	Top	2.14e+00 2	- 8.64e+00 1	- 2.04e+00 2	3.17e+00 2	- 1.89e+00 2	-	4.43e+00 2	2.53e+00 2
			Bot	- 1.02e+00 02	- 7.30e+00 2	- 3.13e+00 2	2.78e+00 1	- 8.59e+00 2	-	8.74e+00 02	4.44e+00 2	
2190	STL ENV_STR(al l)		Cent	Top	1.93e+00 2	- 1.79e+00 2	- 3.22e+00 2	3.79e+00 2	- 3.65e+00 2	-	6.44e+00 2	3.72e+00 2
			Bot	- 6.64e+00 01	- 5.93e+00 2	- 3.43e+00 2	1.03e+00 2	- 7.62e+00 2	-	8.19e+00 02	4.33e+00 2	
2191	STL ENV_STR(al l)		Cent	Top	- 5.37e+00 0	- 2.77e+00 2	- 4.16e+00 2	2.96e+00 2	- 5.78e+00 2	-	7.70e+00 2	4.37e+00 2
			Bot	9.76e+00 01	- 3.81e+00 2	- 3.11e+00 2	2.51e+00 2	- 5.34e+00 2	-	6.94e+00 02	3.92e+00 2	
2192	STL ENV_STR(al l)		Cent	Top	- 3.72e+00 2	- 3.61e+00 2	- 3.77e+00 2	1.12e+00 1	- 7.43e+00 2	-	7.49e+00 2	3.77e+00 2
			Bot	4.35e+00 02	- 2.30e+00 2	- 2.87e+00 2	5.42e+00 2	- 3.37e+00 2	-	7.68e+00 02	4.39e+00 2	
2193	STL ENV_STR(al l)		Cent	Top	3.39e+00 2	7.43e+00 1	- 1.25e+00 2	3.88e+00 2	2.48e+00 1	-	3.76e+00 2	1.94e+00 2
			Bot	- 1.50e+00 02	- 1.07e+00 3	- 3.29e+00 2	- 4.42e+00 1	- 1.17e+00 3	-	1.15e+00 03	5.87e+00 2	
2194	STL ENV_STR(al l)		Cent	Top	3.84e+00 2	3.68e+00 1	- 2.18e+00 2	4.89e+00 2	- 6.83e+00 1	-	5.27e+00 2	2.79e+00 2



Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	1.17e+002	9.59e+002	4.38e+002	6.96e+001	1.15e+003	-	1.18e+003	6.07e+002	
2195	STL ENV_STR (al1)		Cent	Top	2.70e+002	4.72e+001	3.28e+002	4.76e+002	2.52e+002	-	6.40e+002	3.64e+002
			Bot	1.10e-001	6.13e+002	4.58e+002	2.45e+002	8.58e+002	-	1.00e+003	5.51e+002	
2196	STL ENV_STR (al1)		Cent	Top	3.58e+002	3.29e+002	3.39e+002	3.60e+000	6.83e+002	-	6.81e+002	3.42e+002
			Bot	5.82e+002	1.15e+002	3.32e+002	7.15e+002	2.48e+002	-	8.66e+002	4.82e+002	
2197	STL ENV_STR (al1)		Cent	Top	3.81e+002	3.37e+002	8.24e+001	4.44e+002	2.74e+002	-	3.88e+002	2.22e+002
			Bot	2.69e+002	1.50e+003	2.62e+002	2.15e+002	1.56e+003	-	1.46e+003	7.78e+002	
2198	STL ENV_STR (al1)		Cent	Top	4.62e+002	3.83e+002	1.27e+002	5.56e+002	2.89e+002	-	4.81e+002	2.78e+002
			Bot	2.09e+002	1.52e+003	4.07e+002	9.27e+001	1.64e+003	-	1.59e+003	8.19e+002	
2199	STL ENV_STR (al1)		Cent	Top	6.36e+002	5.83e+002	1.90e+002	8.01e+002	4.18e+002	-	6.94e+002	4.00e+002
			Bot	1.57e+002	1.30e+003	5.59e+002	7.10e+001	1.53e+003	-	1.56e+003	7.98e+002	
2200	STL ENV_STR (al1)		Cent	Top	2.65e+002	6.23e+002	2.22e+002	7.30e+002	1.59e+002	-	6.65e+002	3.65e+002
			Bot	4.73e+002	7.91e+002	4.16e+002	5.97e+002	9.15e+002	-	1.32e+003	7.56e+002	
2201	STL ENV_STR (al1)		Cent	Top	1.98e+002	3.52e+002	2.00e+002	6.09e+001	4.89e+002	-	4.62e+002	2.45e+002
			Bot	1.25e+002	3.65e+002	1.79e+002	4.60e+002	2.97e+001	-	4.46e+002	2.30e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
2202	STL ENV_STR(al l)		Cent	Top	- 2.42e+00 2	- 2.72e+00 2	- 1.98e+00 2	- 5.80e+00 1	- 4.56e+00 2	-	4.30e+00 2	2.28e+00 2
			Bot	01	2.40e+00 1	8.69e+00 1	- 6.44e+00 1	1.27e+00 2	- 1.62e+00 1	-	1.36e+00 02	7.17e+00 1
2203	STL ENV_STR(al l)		Cent	Top	- 1.67e+00 2	- 2.07e+00 2	- 2.35e+00 2	4.92e+00 1	- 4.23e+00 2	-	4.50e+00 2	2.36e+00 2
			Bot	- 01	1.05e+00 2	1.39e+00 2	- 1.38e+00 2	7.72e+00 1	- 2.27e+00 2	-	2.74e+00 02	1.52e+00 2
2204	STL ENV_STR(al l)		Cent	Top	- 7.55e+00 1	- 1.41e+00 2	- 2.19e+00 2	1.13e+00 2	- 3.30e+00 2	-	3.98e+00 2	2.21e+00 2
			Bot	- 01	4.12e+00 2	3.46e+00 2	- 1.89e+00 2	4.96e+00 1	- 4.36e+00 2	-	4.63e+00 02	2.43e+00 2
2205	STL ENV_STR(al l)		Cent	Top	4.38e+00 1	- 8.03e+00 1	- 1.65e+00 2	1.58e+00 2	- 1.95e+00 2	-	3.06e+00 2	1.77e+00 2
			Bot	- 01	7.09e+00 2	5.46e+00 2	- 2.33e+00 2	2.39e+00 1	- 6.41e+00 2	-	6.53e+00 02	3.33e+00 2
2206	STL ENV_STR(al l)		Cent	Top	1.69e+00 2	- 1.66e+00 0	- 9.86e+00 1	2.14e+00 2	- 4.67e+00 1	-	2.41e+00 2	1.30e+00 2
			Bot	- 02	1.05e+00 2	7.69e+00 2	- 2.58e+00 2	1.66e+00 1	- 8.57e+00 2	-	8.49e+00 02	4.29e+00 2
2207	STL ENV_STR(al l)		Cent	Top	2.66e+00 2	1.23e+00 2	- 4.64e+00 1	2.79e+00 2	1.09e+00 2	-	2.44e+00 2	1.40e+00 2
			Bot	- 02	1.59e+00 2	1.04e+00 3	- 2.45e+00 2	9.48e+00 1	- 1.10e+00 3	-	1.06e+00 03	5.50e+00 2
2208	STL ENV_STR(al l)		Cent	Top	2.96e+00 2	3.14e+00 2	- 5.33e+00 1	3.59e+00 2	2.51e+00 2	-	3.19e+00 2	1.80e+00 2
			Bot	- 02	2.53e+00 2	1.34e+00 3	- 1.77e+00 2	2.25e+00 2	- 1.37e+00 3	-	1.27e+00 03	6.85e+00 2
2233	STL ENV_STR(al l)		Cent	Top	- 2.06e+00 2	- 3.62e+00 2	2.08e+00 2	- 6.17e+00 1	- 5.06e+00 2	-	4.78e+00 2	2.53e+00 2

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
			Bot	1.26e+02	3.70e+02	-1.79e+02	4.65e+02	3.10e+01	-	4.50e+02	2.33e+02		
2234	STL ENV_STR(al l)		Cent	Top	-	-	2.06e+02	-	-	-	4.45e+02	2.35e+02	
			Bot	2.40e+01	8.65e+01	6.79e+01	1.30e+02	-	1.94e+01	-	1.41e+02	7.47e+01	
2235	STL ENV_STR(al l)		Cent	Top	-	-	2.45e+02	5.12e+01	-	4.40e+02	4.67e+02	2.45e+02	
			Bot	-	1.42e+01	1.42e+02	1.43e+02	7.84e+01	-	2.35e+02	-	2.82e+02	1.57e+02
2236	STL ENV_STR(al l)		Cent	Top	-	-	2.30e+02	1.16e+02	-	3.46e+02	4.16e+02	2.31e+02	
			Bot	-	4.93e+01	3.48e+02	1.97e+02	4.81e+01	-	4.46e+02	-	4.72e+02	2.47e+02
2237	STL ENV_STR(al l)		Cent	Top	2.64e+01	-	7.40e+01	1.76e+02	1.59e+02	-	2.07e+02	3.17e+02	1.83e+02
			Bot	-	8.35e+01	5.46e+02	2.41e+02	1.90e+01	-	6.48e+02	-	6.58e+02	3.34e+02
2238	STL ENV_STR(al l)		Cent	Top	1.50e+02	1.39e+01	1.06e+02	2.08e+02	-	4.40e+01	2.33e+02	1.26e+02	
			Bot	-	1.20e+02	7.61e+02	2.65e+02	-	2.43e+01	-	8.44e+02	4.28e+02	
2239	STL ENV_STR(al l)		Cent	Top	2.52e+02	1.50e+02	4.69e+01	2.70e+02	1.31e+02	-	2.34e+02	1.35e+02	
			Bot	-	1.68e+02	1.02e+03	2.49e+02	-	1.01e+02	-	1.08e+03	-	1.04e+03
2240	STL ENV_STR(al l)		Cent	Top	3.03e+02	3.48e+02	4.72e+01	3.78e+02	2.74e+02	-	3.38e+02	1.89e+02	
			Bot	-	2.43e+02	1.31e+03	1.75e+02	-	2.15e+02	-	1.34e+03	-	1.24e+03
224	STL ENV_STR(al		Cent	Top	-	-	1.49e+00	6.91e+00	-	-	2.71e+00	1.49e+00	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
4	1)		t		1	1	2	1	2		2	2
			Bot	3.75e+001	4.15e+002	1.45e+002	1.17e+001	4.65e+002	-	4.71e+002	2.38e+002	
2245	STL ENV_STR(al1)		Cent	Top	7.11e+000	4.09e-001	9.66e+001	9.33e+001	1.00e+002	-	1.68e+002	9.67e+001
			Bot	7.26e+001	6.00e+002	2.06e+002	1.79e+000	6.70e+002	-	6.69e+002	3.35e+002	
2246	STL ENV_STR(al1)		Cent	Top	8.09e+001	8.49e+001	3.35e+001	1.16e+002	4.94e+001	-	1.01e+002	5.82e+001
			Bot	1.06e+002	7.66e+002	2.34e+002	3.18e+001	8.41e+002	-	8.25e+002	4.20e+002	
2247	STL ENV_STR(al1)		Cent	Top	1.66e+002	1.82e+002	3.74e+000	1.83e+002	1.65e+002	-	1.75e+002	9.16e+001
			Bot	1.48e+002	9.32e+002	2.18e+002	9.13e+001	9.89e+002	-	9.47e+002	4.94e+002	
2248	STL ENV_STR(al1)		Cent	Top	2.39e+002	3.16e+002	3.01e+001	3.27e+002	2.29e+002	-	2.90e+002	1.63e+002
			Bot	2.02e+002	1.10e+003	1.50e+002	1.78e+002	1.13e+003	-	1.05e+003	5.63e+002	
2255	STL ENV_STR(al1)		Cent	Top	8.52e+001	2.07e+002	4.53e+001	2.22e+002	7.02e+001	-	1.96e+002	1.11e+002
			Bot	1.05e+002	8.41e+002	2.25e+002	4.16e+001	9.04e+002	-	8.84e+002	4.52e+002	
2256	STL ENV_STR(al1)		Cent	Top	1.64e+002	2.33e+002	4.97e+000	2.34e+002	1.63e+002	-	2.08e+002	1.17e+002
			Bot	1.25e+002	8.99e+002	1.63e+002	9.26e+001	9.32e+002	-	8.90e+002	4.66e+002	
2273	STL ENV_STR(al1)		Cent	Top	2.61e+001	6.85e+001	1.40e+002	1.89e+002	9.40e+001	-	2.49e+002	1.41e+002
			Bot	5.09e+001	9.74e+001	1.08e+002	3.60e+001	1.84e+002	-	2.05e+002	1.10e+002	

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
2274	STL ENV_STR(al l)		Cent	Top	5.07e+00 1	1.20e+00 2	1.56e+00 1	1.23e+00 2	4.73e+00 1	-	1.07e+00 2	6.15e+00 1	
			Bot	-	1.24e+00 02	2.47e+00 2	1.35e+00 2	3.70e+00 1	3.34e+00 2	-	3.17e+00 02	1.67e+00 2	
2275	STL ENV_STR(al l)		Cent	Top	-	-	-	2.14e+00 1	-	5.09e+00 2	-	5.20e+00 2	2.65e+00 2
			Bot	-	6.99e+00 01	6.47e+00 1	9.00e+00 1	2.28e+00 1	1.57e+00 2	-	1.70e+00 02	9.01e+00 1	
2276	STL ENV_STR(al l)		Cent	Top	-	-	-	7.28e+00 0	-	7.12e+00 2	-	7.15e+00 2	3.59e+00 2
			Bot	-	3.80e+00 01	3.93e+00 1	4.87e+00 1	6.28e+00 1	6.16e+00 1	-	1.08e+00 02	6.22e+00 1	
2277	STL ENV_STR(al l)		Cent	Top	-	-	-	1.47e+00 1	-	8.48e+00 2	-	8.40e+00 2	4.24e+00 2
			Bot	-	1.56e+00 01	1.42e+00 2	4.84e+00 0	1.42e+00 2	1.55e+00 1	-	1.35e+00 02	7.10e+00 1	
2278	STL ENV_STR(al l)		Cent	Top	-	-	-	2.35e+00 1	-	8.95e+00 2	-	8.83e+00 2	4.47e+00 2
			Bot	-	3.20e+00 01	2.25e+00 2	7.28e+00 1	2.49e+00 2	7.61e+00 0	-	2.45e+00 02	1.24e+00 2	
2279	STL ENV_STR(al l)		Cent	Top	-	-	-	8.40e+00 0	-	6.88e+00 2	-	6.92e+00 2	3.48e+00 2
			Bot	-	1.25e+00 02	1.58e+00 2	4.56e+00 1	1.90e+00 2	9.25e+00 1	-	1.64e+00 02	9.48e+00 1	
2280	STL ENV_STR(al l)		Cent	Top	-	-	-	1.82e+00 1	-	2.08e+00 2	-	2.18e+00 2	1.13e+00 2
			Bot	-	1.16e+00 02	1.54e+00 2	1.69e+00 2	3.54e+00 1	3.06e+00 2	-	3.25e+00 02	1.71e+00 2	
2281	STL ENV_STR(al l)		Cent	Top	-	-	-	1.41e+00 1	-	2.33e+00 2	-	2.40e+00 2	1.23e+00 2
			Bot	-	5.27e+00 01	1.81e+00 2	8.67e+00 1	8.90e+00 0	2.25e+00 2	-	2.20e+00 02	1.12e+00 2	

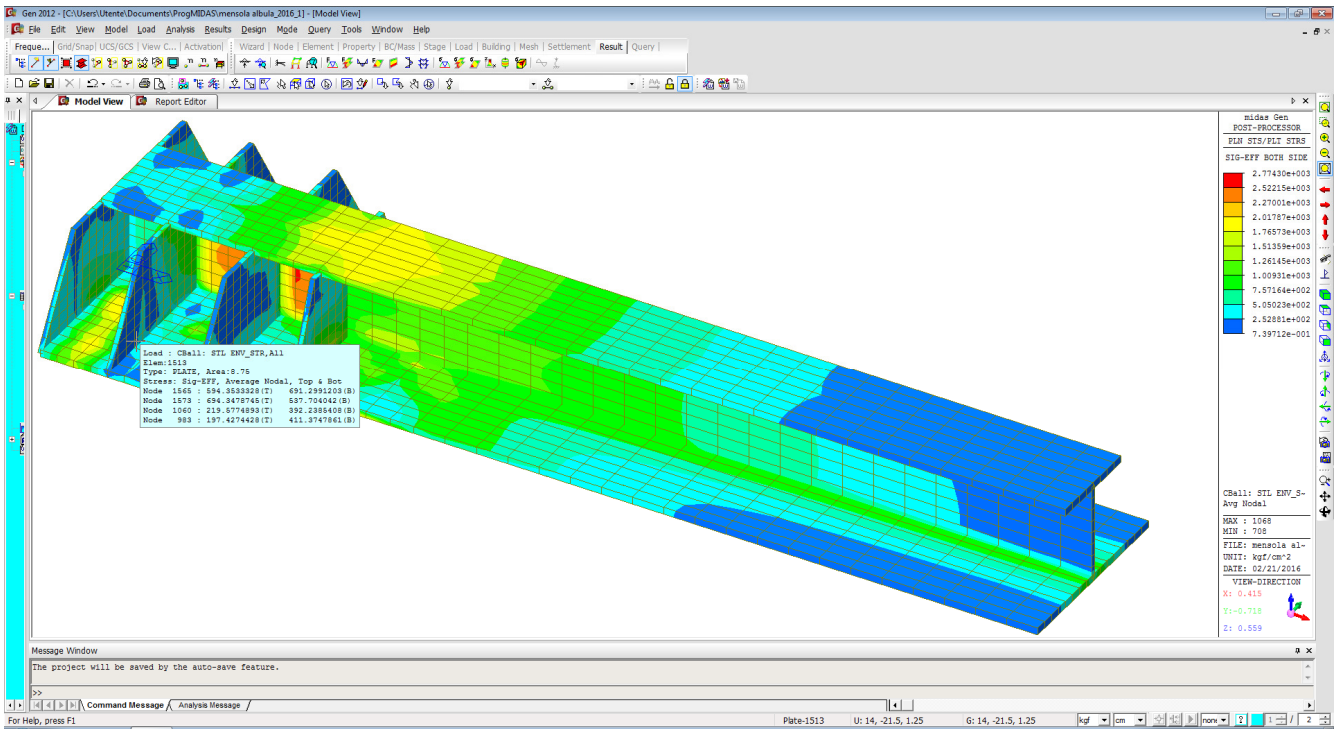
Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
2282	STL ENV_STR (a11)		Cent	Top	-7.15e+001	-7.79e+002	-2.67e+002	1.78e+001	-8.68e+002	-	8.77e+002	4.43e+002
			Bot	00	4.57e+000	1.62e+002	3.43e+001	1.68e+002	-1.14e+001	-	1.74e+002	8.99e+001
2283	STL ENV_STR (a11)		Cent	Top	-2.07e+002	-9.86e+002	-2.97e+001	-2.06e+002	-9.87e+002	-	9.02e+002	4.94e+002
			Bot	01	4.91e+001	1.63e+002	6.86e+001	6.94e+001	-1.83e+002	-	2.26e+002	1.26e+002
2284	STL ENV_STR (a11)		Cent	Top	-1.60e+002	-9.81e+002	1.54e+001	-1.60e+002	-9.82e+002	-	9.12e+002	4.91e+002
			Bot	01	3.93e+001	1.77e+002	3.32e+001	4.42e+001	-1.82e+002	-	2.08e+002	1.13e+002
2285	STL ENV_STR (a11)		Cent	Top	-1.93e+002	-1.08e+003	8.23e+001	1.85e+002	-1.09e+003	-	1.01e+003	5.45e+002
			Bot	00	1.82e+000	2.65e+002	1.15e+002	4.11e+001	-3.08e+002	-	3.31e+002	1.75e+002
2286	STL ENV_STR (a11)		Cent	Top	-1.35e+002	-8.43e+002	3.83e+001	1.32e+002	-8.45e+002	-	7.87e+002	4.23e+002
			Bot	01	8.16e+001	4.33e+002	2.99e+001	8.34e+001	-4.35e+002	-	4.82e+002	2.59e+002
2287	STL ENV_STR (a11)		Cent	Top	-3.85e+001	-8.25e+002	4.47e+001	3.60e+001	-8.27e+002	-	8.10e+002	4.14e+002
			Bot	01	2.32e+001	4.94e+002	7.62e+000	2.31e+001	4.94e+002	-	4.83e+002	2.47e+002
2288	STL ENV_STR (a11)		Cent	Top	-1.07e+002	-8.14e+002	7.43e+001	9.88e+001	-8.21e+002	-	7.77e+002	4.11e+002
			Bot	02	1.07e+002	3.63e+002	5.18e+001	1.13e+002	-3.68e+002	-	4.36e+002	2.41e+002
2289	STL ENV_STR (a11)		Cent	Top	-3.17e+001	-4.01e+002	1.36e+002	1.31e+001	-4.46e+002	-	4.52e+002	2.29e+002

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
			Bot	6.91e+001	6.98e+001	1.36e+002	6.67e+001	2.06e+002	-	2.46e+002	1.36e+002	
2290	STL ENV_STR (al1)		Cent	Top	6.13e+001	5.85e+002	1.92e+002	1.58e+000	6.48e+002	-	6.48e+002	3.25e+002
			Bot	8.81e+000	7.50e+000	7.98e+001	8.80e+001	7.17e+001	-	1.39e+002	7.98e+001	
2291	STL ENV_STR (al1)		Cent	Top	9.03e+001	7.57e+002	2.16e+002	2.63e+001	8.21e+002	-	8.08e+002	4.10e+002
			Bot	1.01e+002	8.31e+001	1.53e+001	1.10e+002	7.43e+001	-	9.71e+001	5.49e+001	
2292	STL ENV_STR (al1)		Cent	Top	1.33e+002	9.35e+002	1.99e+002	8.60e+001	9.81e+002	-	9.41e+002	4.91e+002
			Bot	1.85e+002	1.68e+002	1.92e+001	1.97e+002	1.55e+002	-	1.80e+002	9.86e+001	
2293	STL ENV_STR (al1)		Cent	Top	2.09e+002	1.13e+003	1.34e+002	1.90e+002	1.15e+003	-	1.07e+003	5.74e+002
			Bot	2.36e+002	2.85e+002	2.30e+001	2.94e+002	2.27e+002	-	2.67e+002	1.47e+002	
2294	STL ENV_STR (al1)		Cent	Top	9.18e+001	7.99e+002	1.93e+002	4.26e+001	8.48e+002	-	8.27e+002	4.24e+002
			Bot	1.00e+002	2.28e+002	7.36e+001	2.61e+002	6.67e+001	-	2.35e+002	1.31e+002	
2295	STL ENV_STR (al1)		Cent	Top	1.20e+002	8.64e+002	1.19e+002	1.01e+002	8.82e+002	-	8.36e+002	4.41e+002
			Bot	1.66e+002	2.48e+002	2.37e+001	2.54e+002	1.60e+002	-	2.22e+002	1.27e+002	
2304	STL ENV_STR (al1)		Cent	Top	4.89e+001	9.31e+001	1.03e+002	3.44e+001	1.76e+002	-	1.96e+002	1.05e+002
			Bot	2.59e+001	6.97e+001	1.39e+002	1.88e+002	9.27e+001	-	2.48e+002	1.41e+002	
230	STL ENV_STR (al1)		Cent	Top	1.20e+00	2.36e+00	1.29e+00	3.64e+00	3.19e+00	-	3.02e+00	1.59e+00

Elem	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )	
5	1)		t		2	2	2	1	2		2	2	
			Bot	5.05e+001	1.23e+002	1.77e+001	1.27e+002	4.63e+001	-	1.11e+002	6.34e+001		
2306	STL ENV_STR(al1)		Cent	Top	-	6.34e+001	4.57e+001	7.80e+001	2.40e+001	-	1.33e+002	1.47e+002	7.85e+001
			Bot	-	1.61e+001	4.46e+002	1.31e+002	2.07e+001	4.82e+002	-	4.93e+002	2.52e+002	
2307	STL ENV_STR(al1)		Cent	Top	-	2.70e+001	6.38e+001	3.04e+001	7.31e+001	-	3.63e+001	9.65e+001	5.47e+001
			Bot	-	4.42e+001	6.19e+002	1.81e+002	8.02e+000	6.72e+002	-	6.76e+002	3.40e+002	
2308	STL ENV_STR(al1)		Cent	Top	3.23e+001	1.70e+002	3.00e+001	1.76e+002	2.61e+001	-	1.65e+002	8.81e+001	
			Bot	-	7.01e+001	7.37e+002	2.05e+002	1.20e+001	7.95e+002	-	7.89e+002	3.97e+002	
2309	STL ENV_STR(al1)		Cent	Top	4.19e+001	2.84e+002	1.04e+002	3.23e+002	3.18e+000	-	3.21e+002	1.61e+002	
			Bot	-	1.09e+002	7.18e+002	2.32e+002	3.07e+001	7.96e+002	-	7.81e+002	3.98e+002	
2310	STL ENV_STR(al1)		Cent	Top	1.36e+002	2.11e+002	6.13e+001	2.45e+002	1.02e+002	-	2.13e+002	1.23e+002	
			Bot	-	6.47e+000	5.50e+002	1.10e+002	1.50e+001	5.72e+002	-	5.79e+002	2.93e+002	
2311	STL ENV_STR(al1)		Cent	Top	-	1.09e+002	1.43e+002	1.60e+002	3.45e+001	-	2.87e+002	3.06e+002	1.61e+002
			Bot	-	2.04e+000	1.76e+002	6.27e+001	1.83e+001	1.96e+002	-	2.06e+002	1.07e+002	
2312	STL ENV_STR(al1)		Cent	Top	-	4.99e+001	1.64e+002	8.02e+001	8.52e+000	-	2.06e+002	2.01e+002	1.03e+002
			Bot	-	3.72e+000	2.00e+002	6.10e+001	1.37e+001	2.17e+002	-	2.24e+002	1.15e+002	
231	STL ENV_STR(al1)		Cent	Top	7.19e+000	2.08e+000	6.16e+000	2.25e+000	-	1.02e+000	2.31e+000	1.18e+000	



Element	Load	Step	Node	Part	Sig-xx (kgf/cm <sup>2</sup> )	Sig-yy (kgf/cm <sup>2</sup> )	Sig-xy (kgf/cm <sup>2</sup> )	Sig-Max (kgf/cm <sup>2</sup> )	Sig-Min (kgf/cm <sup>2</sup> )	Angle ([deg])	Sig-EFF (kgf/cm <sup>2</sup> )	Max-Shear (kgf/cm <sup>2</sup> )
3	1)		t		0	2	1	2	1		2	2
			Bot	6.07e+001	7.18e+002	2.37e+002	1.60e+001	7.94e+002	-	8.02e+002	4.05e+002	



Tensioni massime

## RELAZIONE TECNICA

Unit System : KGF, CM

Definition of Frame

- X Direction of Frame : Unbraced I Sway
- Y Direction of Frame : Unbraced I Sway
- Design Type : 3-D

Design Code

- Steel : Eurocode3:05
- Concrete : Eurocode2:04
- SRC : SSRC79

< Node >

\*\*\* NODE DATA

NO	X	Y	Z	TEMPERATURE
1	0	0	0	0
2	7	0	0	0
3	30	0	0	0
4	60	0	0	0
5	40	0	0	0
6	210	0	0	0
7	11.6	0	0	0
8	16.2	0	0	0
9	20.8	0	0	0
10	25.4	0	0	0
11	32.5	0	0	0
12	35	0	0	0
13	37.5	0	0	0
14	42	0	0	0
15	44	0	0	0
16	46	0	0	0
17	48	0	0	0
18	50	0	0	0
19	52	0	0	0

20	54	0	0	0
21	56	0	0	0
22	58	0	0	0
23	9.3	0	0	0
24	13.9	0	0	0
25	18.5	0	0	0
26	23.1	0	0	0
27	27.7	0	0	0
28	90	0	0	0
29	120	0	0	0
30	150	0	0	0
31	180	0	0	0

< Static Loadcase >

\*\*\* LOAD CASE DATA

NO	NAME	TYPE	SELF WEIGHT FACTOR			DESCRIPTION
			X	Y	Z	
1	P01	D	0.000	0.000	-1.000	peso trave
2	P02	D	0.000	0.000	0.000	pesi perm.
3	P03	L	0.000	0.000	0.000	pesi acc.

< Boundary >

\*\* SUPPORT / SPECIFIED DISPLACEMENT



< Load Combination >

\*\* GENERAL

NO	NAME	TYPE	ACTIVE	DESCRIPTION
1	gLCB1	Add	ACTIVE	1.3D + 1.5(1.0P03)
2	gLCB2	Add	ACTIVE	1.0D + 1.0P03
3	gLCB3	Add	ACTIVE	1.0D + 0.5P03
4	gLCB4	Add	ACTIVE	1.0D + 0.5P03 + 0.0WL
5	gLCB5	Add	ACTIVE	1.0D + 0.3P03
6	gLCB6	Add	ACTIVE	1.0D + 0.3P03 + 0.0WL
7	STL ENV_S~	Envelope	ACTIVE	Steel Strength Envelope
8	STL ENV_S~	Envelope	ACTIVE	Steel Serviceability Envelope

\*\* STEEL DESIGN

NO	NAME	TYPE	ACTIVE	DESCRIPTION
1	sLCB1	Add	ACTIVE	1.3D + 1.5(1.0P03)
2	sLCB2	Add	SERVICE	SERV :1.0D + 1.0P03
3	sLCB3	Add	SERVICE	SERV :1.0D + 0.5P03
4	sLCB4	Add	SERVICE	SERV :1.0D + 0.5P03 + 0.0WL
5	sLCB5	Add	SERVICE	SERV :1.0D + 0.3P03
6	sLCB6	Add	SERVICE	SERV :1.0D + 0.3P03 + 0.0WL

< Self Weight >

[ LOAD CASE : P01 ]

; X=0, Y=0, Z=-1

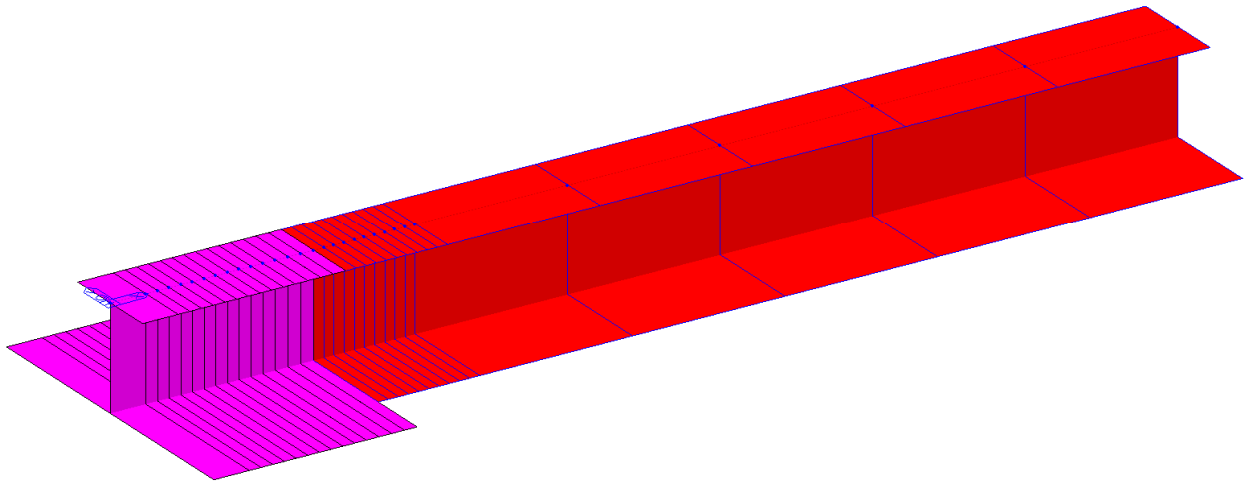


Figure 1 Vista 3D

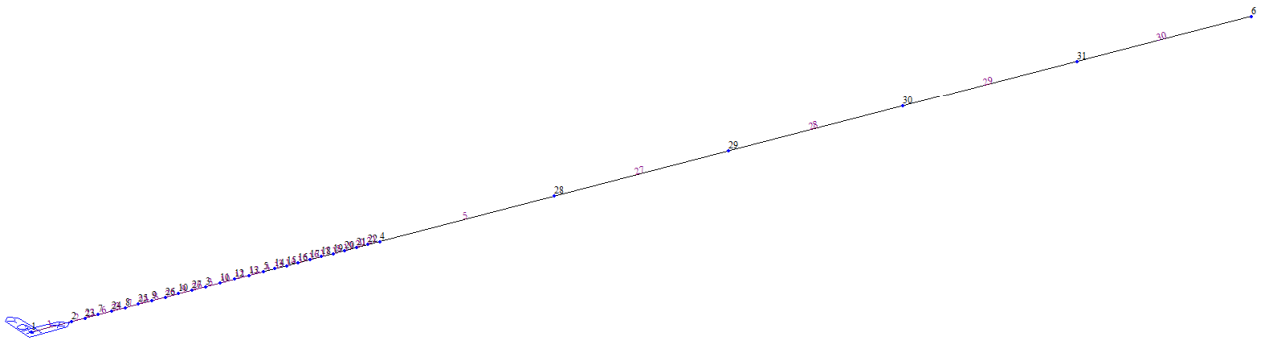


Figure 2 Numer nodi aste

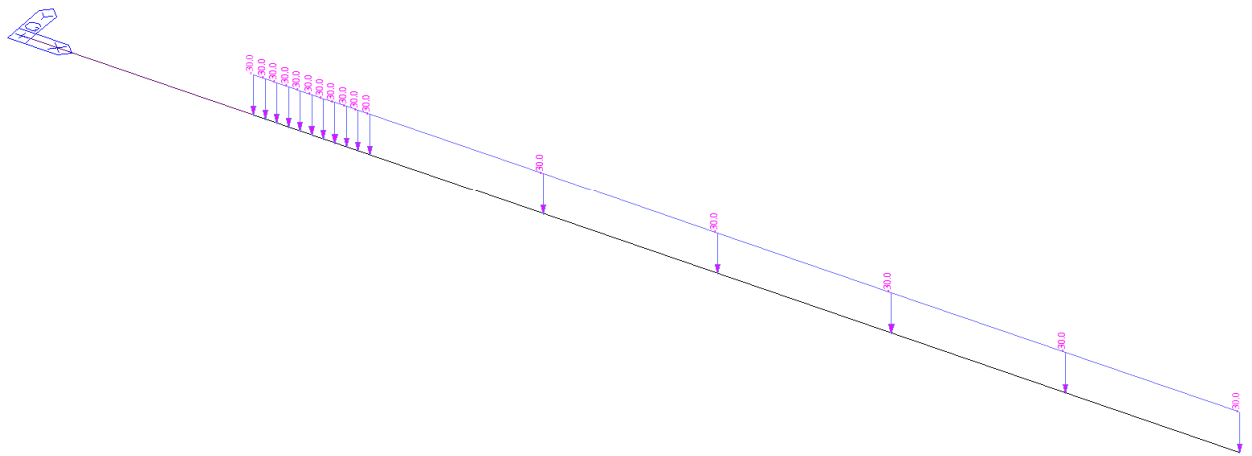


Figure 3 Carichi perm

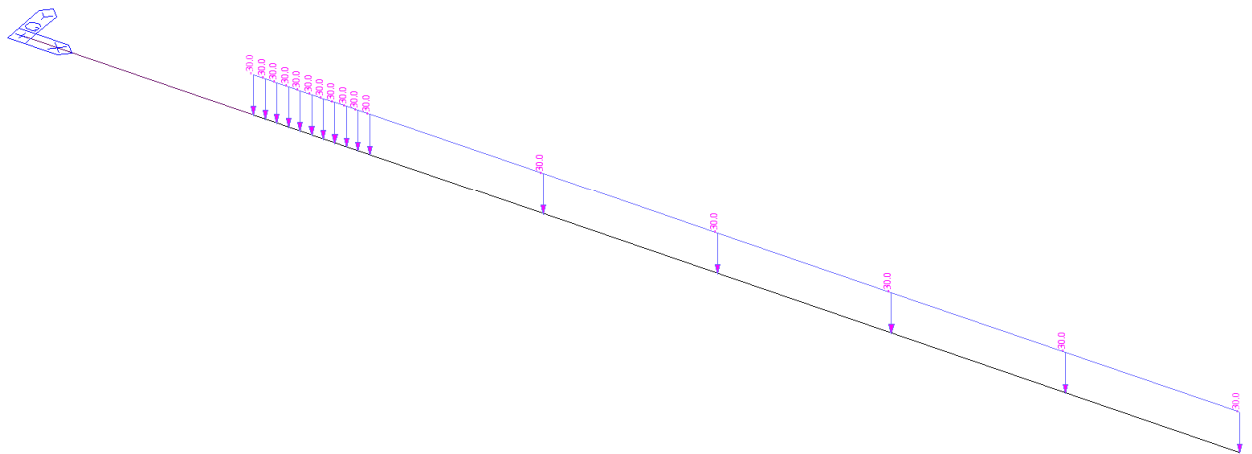
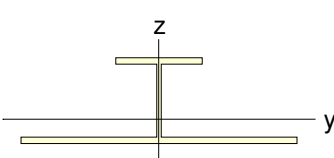
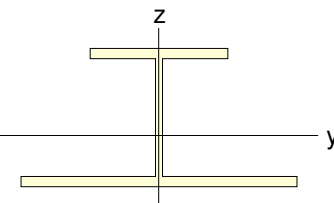


Figure 4 Carichi acc

**Table 1 1 : HSH\_1**

				
$A \text{ (cm}^2\text{)}$	$A_{sy} \text{ (cm}^2\text{)}$	$A_{sz} \text{ (cm}^2\text{)}$	$z \text{ (+) (cm)}$	$z \text{ (-) (cm)}$
143.000	105.000	20.000	14.269	5.731
$I_{xx} \text{ (cm}^4\text{)}$	$I_{yy} \text{ (cm}^4\text{)}$	$I_{zz} \text{ (cm}^4\text{)}$	$y \text{ (+) (cm)}$	$y \text{ (-) (cm)}$
100.667	8607.551	33769.417	32.000	32.000

**Table 2 2 : HSH\_2**

				
$A \text{ (cm}^2\text{)}$	$A_{sy} \text{ (cm}^2\text{)}$	$A_{sz} \text{ (cm}^2\text{)}$	$z \text{ (+) (cm)}$	$z \text{ (-) (cm)}$
107.000	75.000	20.000	12.593	7.407
$I_{xx} \text{ (cm}^4\text{)}$	$I_{yy} \text{ (cm}^4\text{)}$	$I_{zz} \text{ (cm}^4\text{)}$	$y \text{ (+) (cm)}$	$y \text{ (-) (cm)}$
73.667	7407.232	9001.417	20.000	20.000



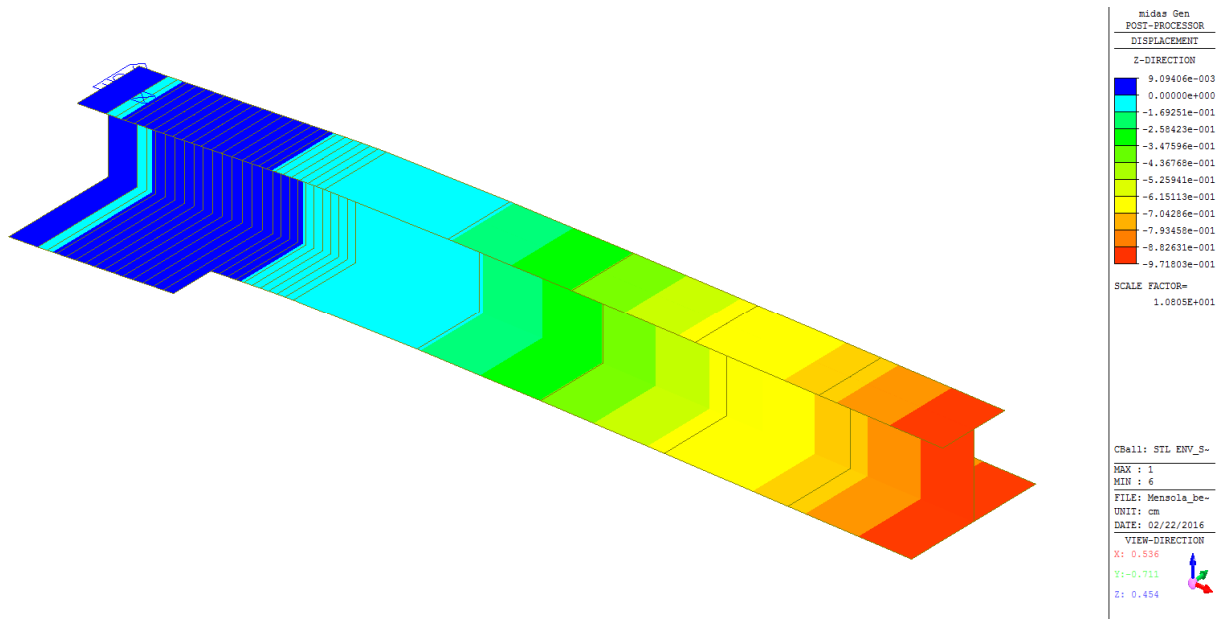


Figure 5 Defomazione trave

Table 3 Freccia nodo 6

Node	Load	DX (cm)	DY (cm)	DZ (cm)	RX ([rad])	RY ([rad])	RZ ([rad])
6	P01	0.000550	0.000000	-0.007706	0.000000	0.000054	0.000000
6	P02	0.049130	0.000000	-0.688638	0.000000	0.004839	0.000000
6	P03	0.019652	0.000000	-0.275460	0.000000	0.001936	0.000000
6	STL ENV_SER(all)	0.069333	0.000000	-0.971803	0.000000	0.006829	0.000000

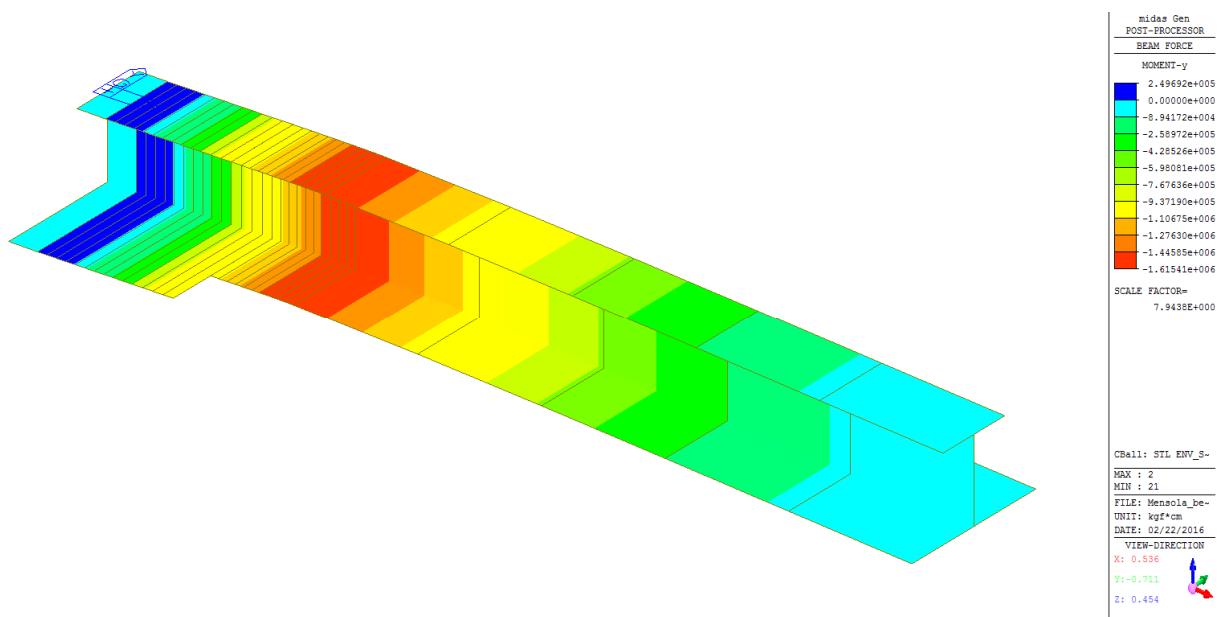


Figure 6 Mmax sulla trave

Table 4 Sforzi trave

Elem	Load	Part	Axial (kgf)	Shear-y (kgf)	Shear-z (kgf)	Torsion (kgf*cm)	Moment-y (kgf*cm)	Moment-z (kgf*cm)
3	P01	I[3]	0.00	0.00	205.17	0.00	-3804.32	0.00
3	P01	J[11]	0.00	0.00	207.97	0.00	-4320.75	0.00
4	P01	I[5]	0.00	0.00	216.39	0.00	-5912.13	0.00
4	P01	J[14]	0.00	0.00	218.07	0.00	-6346.60	0.00
5	P01	I[4]	0.00	0.00	-125.99	0.00	-9449.17	0.00
5	P01	J[28]	0.00	0.00	-100.79	0.00	-6047.47	0.00
10	P01	I[11]	0.00	0.00	207.97	0.00	-4320.75	0.00
10	P01	J[12]	0.00	0.00	210.78	0.00	-4844.20	0.00
11	P01	I[12]	0.00	0.00	210.78	0.00	-4844.20	0.00
11	P01	J[13]	0.00	0.00	213.59	0.00	-5374.66	0.00
12	P01	I[13]	0.00	0.00	213.59	0.00	-5374.66	0.00
12	P01	J[5]	0.00	0.00	216.39	0.00	-5912.13	0.00
13	P01	I[14]	0.00	0.00	218.07	0.00	-6346.60	0.00
13	P01	J[15]	0.00	0.00	219.75	0.00	-6784.42	0.00
14	P01	I[15]	0.00	0.00	219.75	0.00	-6784.42	0.00
14	P01	J[16]	0.00	0.00	221.43	0.00	-7225.61	0.00
15	P01	I[16]	0.00	0.00	221.43	0.00	-7225.61	0.00
15	P01	J[17]	0.00	0.00	223.11	0.00	-7670.16	0.00
16	P01	I[17]	0.00	0.00	220.07	0.00	-7670.16	0.00
16	P01	J[18]	0.00	0.00	221.75	0.00	-8111.97	0.00
17	P01	I[18]	0.00	0.00	211.03	0.00	-8111.97	0.00
17	P01	J[19]	0.00	0.00	212.71	0.00	-8535.72	0.00
18	P01	I[19]	0.00	0.00	191.11	0.00	-8535.72	0.00
18	P01	J[20]	0.00	0.00	192.79	0.00	-8919.62	0.00
19	P01	I[20]	0.00	0.00	155.66	0.00	-8919.62	0.00
19	P01	J[21]	0.00	0.00	157.34	0.00	-9232.62	0.00
20	P01	I[21]	0.00	0.00	97.99	0.00	-9232.62	0.00
20	P01	J[22]	0.00	0.00	99.67	0.00	-9430.28	0.00
21	P01	I[22]	0.00	0.00	8.60	0.00	-9430.28	0.00

Elem	Load	Part	Axial (kgf)	Shear-y (kgf)	Shear-z (kgf)	Torsion (kgf*cm)	Moment-y (kgf*cm)	Moment-z (kgf*cm)
21	P01	J[4]	0.00	0.00	10.28	0.00	-9449.17	0.00
27	P01	I[28]	0.00	0.00	-100.79	0.00	-6047.47	0.00
27	P01	J[29]	0.00	0.00	-75.59	0.00	-3401.70	0.00
28	P01	I[29]	0.00	0.00	-75.59	0.00	-3401.70	0.00
28	P01	J[30]	0.00	0.00	-50.40	0.00	-1511.87	0.00
29	P01	I[30]	0.00	0.00	-50.40	0.00	-1511.87	0.00
29	P01	J[31]	0.00	0.00	-25.20	0.00	-377.97	0.00
30	P01	I[31]	0.00	0.00	-25.20	0.00	-377.97	0.00
30	P01	J[6]	0.00	0.00	0.00	0.00	0.00	0.00
3	P02	I[3]	-0.00	0.00	19136.27	0.00	-338167.54	0.00
3	P02	J[11]	-0.00	0.00	19141.27	0.00	-386014.45	0.00
4	P02	I[5]	-0.00	0.00	19156.27	0.00	-529630.20	0.00
4	P02	J[14]	-0.00	0.00	19306.27	0.00	-568092.73	0.00
5	P02	I[4]	0.00	0.00	-11250.00	0.00	-843750.00	0.00
5	P02	J[28]	0.00	0.00	-9000.00	0.00	-540000.00	0.00
10	P02	I[11]	0.00	0.00	19141.27	0.00	-386014.45	0.00
10	P02	J[12]	0.00	0.00	19146.27	0.00	-433873.87	0.00
11	P02	I[12]	-0.00	0.00	19146.27	0.00	-433873.87	0.00
11	P02	J[13]	-0.00	0.00	19151.27	0.00	-481745.78	0.00
12	P02	I[13]	0.00	0.00	19151.27	0.00	-481745.78	0.00
12	P02	J[5]	0.00	0.00	19156.27	0.00	-529630.20	0.00
13	P02	I[14]	0.00	0.00	19306.27	0.00	-568092.73	0.00
13	P02	J[15]	0.00	0.00	19456.27	0.00	-606855.26	0.00
14	P02	I[15]	-0.00	0.00	19456.27	0.00	-606855.26	0.00
14	P02	J[16]	-0.00	0.00	19606.27	0.00	-645917.79	0.00
15	P02	I[16]	0.00	0.00	19606.27	0.00	-645917.79	0.00
15	P02	J[17]	0.00	0.00	19756.27	0.00	-685280.32	0.00
16	P02	I[17]	0.00	0.00	19548.75	0.00	-685280.32	0.00
16	P02	J[18]	0.00	0.00	19698.75	0.00	-724527.81	0.00
17	P02	I[18]	0.00	0.00	18785.89	0.00	-724527.81	0.00

Elem	Load	Part	Axial (kgf)	Shear-y (kgf)	Shear-z (kgf)	Torsion (kgf*cm)	Moment-y (kgf*cm)	Moment-z (kgf*cm)
17	P02	J[19]	0.00	0.00	18935.89	0.00	-762249.60	0.00
18	P02	I[19]	-0.00	0.00	17037.10	0.00	-762249.60	0.00
18	P02	J[20]	-0.00	0.00	17187.10	0.00	-796473.80	0.00
19	P02	I[20]	0.00	0.00	13890.12	0.00	-796473.80	0.00
19	P02	J[21]	0.00	0.00	14040.12	0.00	-824404.03	0.00
20	P02	I[21]	-0.00	0.00	8750.95	0.00	-824404.03	0.00
20	P02	J[22]	-0.00	0.00	8900.95	0.00	-842055.93	0.00
21	P02	I[22]	-0.00	0.00	772.03	0.00	-842055.93	0.00
21	P02	J[4]	-0.00	0.00	922.03	0.00	-843750.00	0.00
27	P02	I[28]	0.00	0.00	-9000.00	0.00	-540000.00	0.00
27	P02	J[29]	0.00	0.00	-6750.00	0.00	-303750.00	0.00
28	P02	I[29]	0.00	0.00	-6750.00	0.00	-303750.00	0.00
28	P02	J[30]	0.00	0.00	-4500.00	0.00	-135000.00	0.00
29	P02	I[30]	0.00	0.00	-4500.00	0.00	-135000.00	0.00
29	P02	J[31]	0.00	0.00	-2250.00	0.00	-33750.00	0.00
30	P02	I[31]	0.00	0.00	-2250.00	0.00	-33750.00	0.00
30	P02	J[6]	0.00	0.00	0.00	0.00	0.00	0.00
3	P03	I[3]	0.00	0.00	7661.16	0.00	-135254.27	0.00
3	P03	J[11]	0.00	0.00	7661.16	0.00	-154407.17	0.00
4	P03	I[5]	-0.00	0.00	7661.16	0.00	-211865.89	0.00
4	P03	J[14]	0.00	0.00	7721.16	0.00	-227248.21	0.00
5	P03	I[4]	0.00	0.00	-4500.00	0.00	-337500.00	0.00
5	P03	J[28]	0.00	0.00	-3600.00	0.00	-216000.00	0.00
10	P03	I[11]	0.00	0.00	7661.16	0.00	-154407.17	0.00
10	P03	J[12]	0.00	0.00	7661.16	0.00	-173560.08	0.00
11	P03	I[12]	0.00	0.00	7661.16	0.00	-173560.08	0.00
11	P03	J[13]	0.00	0.00	7661.16	0.00	-192712.98	0.00
12	P03	I[13]	0.00	0.00	7661.16	0.00	-192712.98	0.00
12	P03	J[5]	0.00	0.00	7661.16	0.00	-211865.89	0.00
13	P03	I[14]	0.00	0.00	7721.16	0.00	-227248.21	0.00

Elem	Load	Part	Axial (kgf)	Shear-y (kgf)	Shear-z (kgf)	Torsion (kgf*cm)	Moment-y (kgf*cm)	Moment-z (kgf*cm)
13	P03	J[15]	0.00	0.00	7781.16	0.00	-242750.54	0.00
14	P03	I[15]	0.00	0.00	7781.16	0.00	-242750.54	0.00
14	P03	J[16]	0.00	0.00	7841.16	0.00	-258372.86	0.00
15	P03	I[16]	-0.00	0.00	7841.16	0.00	-258372.86	0.00
15	P03	J[17]	-0.00	0.00	7901.16	0.00	-274115.19	0.00
16	P03	I[17]	0.00	0.00	7818.68	0.00	-274115.19	0.00
16	P03	J[18]	0.00	0.00	7878.68	0.00	-289812.54	0.00
17	P03	I[18]	0.00	0.00	7513.89	0.00	-289812.54	0.00
17	P03	J[19]	-0.00	0.00	7573.89	0.00	-304900.33	0.00
18	P03	I[19]	0.00	0.00	6814.62	0.00	-304900.33	0.00
18	P03	J[20]	0.00	0.00	6874.62	0.00	-318589.56	0.00
19	P03	I[20]	0.00	0.00	5555.98	0.00	-318589.56	0.00
19	P03	J[21]	0.00	0.00	5615.98	0.00	-329761.52	0.00
20	P03	I[21]	0.00	0.00	3500.39	0.00	-329761.52	0.00
20	P03	J[22]	0.00	0.00	3560.39	0.00	-336822.30	0.00
21	P03	I[22]	0.00	0.00	308.85	0.00	-336822.30	0.00
21	P03	J[4]	0.00	0.00	368.85	0.00	-337500.00	0.00
27	P03	I[28]	0.00	0.00	-3600.00	0.00	-216000.00	0.00
27	P03	J[29]	0.00	0.00	-2700.00	0.00	-121500.00	0.00
28	P03	I[29]	0.00	0.00	-2700.00	0.00	-121500.00	0.00
28	P03	J[30]	0.00	0.00	-1800.00	0.00	-54000.00	0.00
29	P03	I[30]	0.00	0.00	-1800.00	0.00	-54000.00	0.00
29	P03	J[31]	0.00	0.00	-900.00	0.00	-13500.00	0.00
30	P03	I[31]	0.00	0.00	-900.00	0.00	-13500.00	0.00
30	P03	J[6]	0.00	0.00	0.00	0.00	0.00	0.00
3	STL ENV_STR(all)	I[3]	-0.00	0.00	36635.61	0.00	-647444.82	0.00
3	STL ENV_STR(all)	J[11]	-0.00	0.00	36645.76	0.00	-739046.53	0.00
4	STL ENV_STR(all)	I[5]	-0.00	0.00	36676.20	0.00	-1014003.86	0.00

Elem	Load	Part	Axial (kgf)	Shear-y (kgf)	Shear-z (kgf)	Torsion (kgf*cm)	Moment-y (kgf*cm)	Moment-z (kgf*cm)
4	STL ENV_STR(all)	J[14]	-0.00	0.00	36963.38	0.00	-1087643.44	0.00
5	STL ENV_STR(all)	I[4]	0.00	0.00	-21538.79	0.00	-1615408.92	0.00
5	STL ENV_STR(all)	J[28]	0.00	0.00	-17231.03	0.00	-1033861.71	0.00
10	STL ENV_STR(all)	I[11]	0.00	0.00	36645.76	0.00	-739046.53	0.00
10	STL ENV_STR(all)	J[12]	0.00	0.00	36655.90	0.00	-830673.60	0.00
11	STL ENV_STR(all)	I[12]	-0.00	0.00	36655.90	0.00	-830673.60	0.00
11	STL ENV_STR(all)	J[13]	-0.00	0.00	36666.05	0.00	-922326.04	0.00
12	STL ENV_STR(all)	I[13]	0.00	0.00	36666.05	0.00	-922326.04	0.00
12	STL ENV_STR(all)	J[5]	0.00	0.00	36676.20	0.00	-1014003.86	0.00
13	STL ENV_STR(all)	I[14]	0.00	0.00	36963.38	0.00	-1087643.44	0.00
13	STL ENV_STR(all)	J[15]	0.00	0.00	37250.57	0.00	-1161857.39	0.00
14	STL ENV_STR(all)	I[15]	-0.00	0.00	37250.57	0.00	-1161857.39	0.00
14	STL ENV_STR(all)	J[16]	-0.00	0.00	37537.75	0.00	-1236645.71	0.00
15	STL ENV_STR(all)	I[16]	0.00	0.00	37537.75	0.00	-1236645.71	0.00
15	STL ENV_STR(all)	J[17]	0.00	0.00	37824.94	0.00	-1312008.40	0.00
16	STL ENV_STR(all)	I[17]	0.00	0.00	37427.47	0.00	-1312008.40	0.00
16	STL ENV_STR(all)	J[18]	0.00	0.00	37714.66	0.00	-1387150.53	0.00
17	STL ENV_STR(all)	I[18]	0.00	0.00	35966.84	0.00	-1387150.53	0.00
17	STL ENV_STR(all)	J[19]	0.00	0.00	36254.03	0.00	-1459371.40	0.00
18	STL ENV_STR(all)	I[19]	-0.00	0.00	32618.60	0.00	-1459371.40	0.00

Elem	Load	Part	Axial (kgf)	Shear-y (kgf)	Shear-z (kgf)	Torsion (kgf*cm)	Moment-y (kgf*cm)	Moment-z (kgf*cm)
18	STL ENV_STR(all)	J[20]	-0.00	0.00	32905.79	0.00	-1524895.79	0.00
19	STL ENV_STR(all)	I[20]	0.00	0.00	26593.47	0.00	-1524895.79	0.00
19	STL ENV_STR(all)	J[21]	0.00	0.00	26880.66	0.00	-1578369.92	0.00
20	STL ENV_STR(all)	I[21]	-0.00	0.00	16754.22	0.00	-1578369.92	0.00
20	STL ENV_STR(all)	J[22]	-0.00	0.00	17041.40	0.00	-1612165.54	0.00
21	STL ENV_STR(all)	I[22]	-0.00	0.00	1478.10	0.00	-1612165.54	0.00
21	STL ENV_STR(all)	J[4]	-0.00	0.00	1765.28	0.00	-1615408.92	0.00
27	STL ENV_STR(all)	I[28]	0.00	0.00	-17231.03	0.00	-1033861.71	0.00
27	STL ENV_STR(all)	J[29]	0.00	0.00	-12923.27	0.00	-581547.21	0.00
28	STL ENV_STR(all)	I[29]	0.00	0.00	-12923.27	0.00	-581547.21	0.00
28	STL ENV_STR(all)	J[30]	0.00	0.00	-8615.51	0.00	-258465.43	0.00
29	STL ENV_STR(all)	I[30]	0.00	0.00	-8615.51	0.00	-258465.43	0.00
29	STL ENV_STR(all)	J[31]	0.00	0.00	-4307.76	0.00	-64616.36	0.00
30	STL ENV_STR(all)	I[31]	0.00	0.00	-4307.76	0.00	-64616.36	0.00
30	STL ENV_STR(all)	J[6]	0.00	0.00	0.00	0.00	0.00	0.00
3	STL ENV_SER(all)	I[3]	-0.00	0.00	27002.60	0.00	-477226.13	0.00
3	STL ENV_SER(all)	J[11]	-0.00	0.00	27010.40	0.00	-544742.38	0.00
4	STL ENV_SER(all)	I[5]	-0.00	0.00	27033.82	0.00	-747408.22	0.00
4	STL ENV_SER(all)	J[14]	-0.00	0.00	27245.50	0.00	-801687.54	0.00
5	STL ENV_SER(all)	I[4]	0.00	0.00	-15875.99	0.00	-1190699.17	0.00

Elem	Load	Part	Axial (kgf)	Shear-y (kgf)	Shear-z (kgf)	Torsion (kgf*cm)	Moment-y (kgf*cm)	Moment-z (kgf*cm)
5	STL ENV_SER(all)	J[28]	0.00	0.00	-12700.79	0.00	-762047.47	0.00
10	STL ENV_SER(all)	I[11]	0.00	0.00	27010.40	0.00	-544742.38	0.00
10	STL ENV_SER(all)	J[12]	0.00	0.00	27018.21	0.00	-612278.14	0.00
11	STL ENV_SER(all)	I[12]	-0.00	0.00	27018.21	0.00	-612278.14	0.00
11	STL ENV_SER(all)	J[13]	-0.00	0.00	27026.02	0.00	-679833.42	0.00
12	STL ENV_SER(all)	I[13]	0.00	0.00	27026.02	0.00	-679833.42	0.00
12	STL ENV_SER(all)	J[5]	0.00	0.00	27033.82	0.00	-747408.22	0.00
13	STL ENV_SER(all)	I[14]	0.00	0.00	27245.50	0.00	-801687.54	0.00
13	STL ENV_SER(all)	J[15]	0.00	0.00	27457.18	0.00	-856390.22	0.00
14	STL ENV_SER(all)	I[15]	-0.00	0.00	27457.18	0.00	-856390.22	0.00
14	STL ENV_SER(all)	J[16]	-0.00	0.00	27668.86	0.00	-911516.26	0.00
15	STL ENV_SER(all)	I[16]	0.00	0.00	27668.86	0.00	-911516.26	0.00
15	STL ENV_SER(all)	J[17]	0.00	0.00	27880.54	0.00	-967065.66	0.00
16	STL ENV_SER(all)	I[17]	0.00	0.00	27587.49	0.00	-967065.66	0.00
16	STL ENV_SER(all)	J[18]	0.00	0.00	27799.17	0.00	-1022452.33	0.00
17	STL ENV_SER(all)	I[18]	0.00	0.00	26510.82	0.00	-1022452.33	0.00
17	STL ENV_SER(all)	J[19]	0.00	0.00	26722.50	0.00	-1075685.64	0.00
18	STL ENV_SER(all)	I[19]	-0.00	0.00	24042.83	0.00	-1075685.64	0.00
18	STL ENV_SER(all)	J[20]	-0.00	0.00	24254.51	0.00	-1123982.98	0.00
19	STL ENV_SER(all)	I[20]	0.00	0.00	19601.75	0.00	-1123982.98	0.00





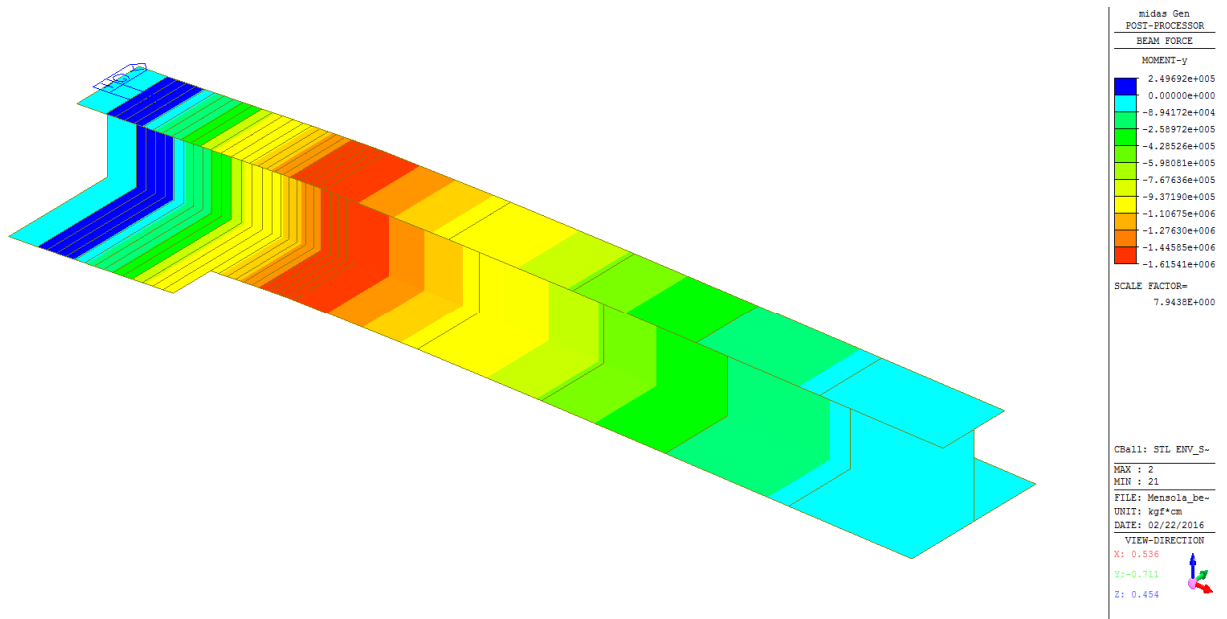


Figure 7 Mmax sulla trave

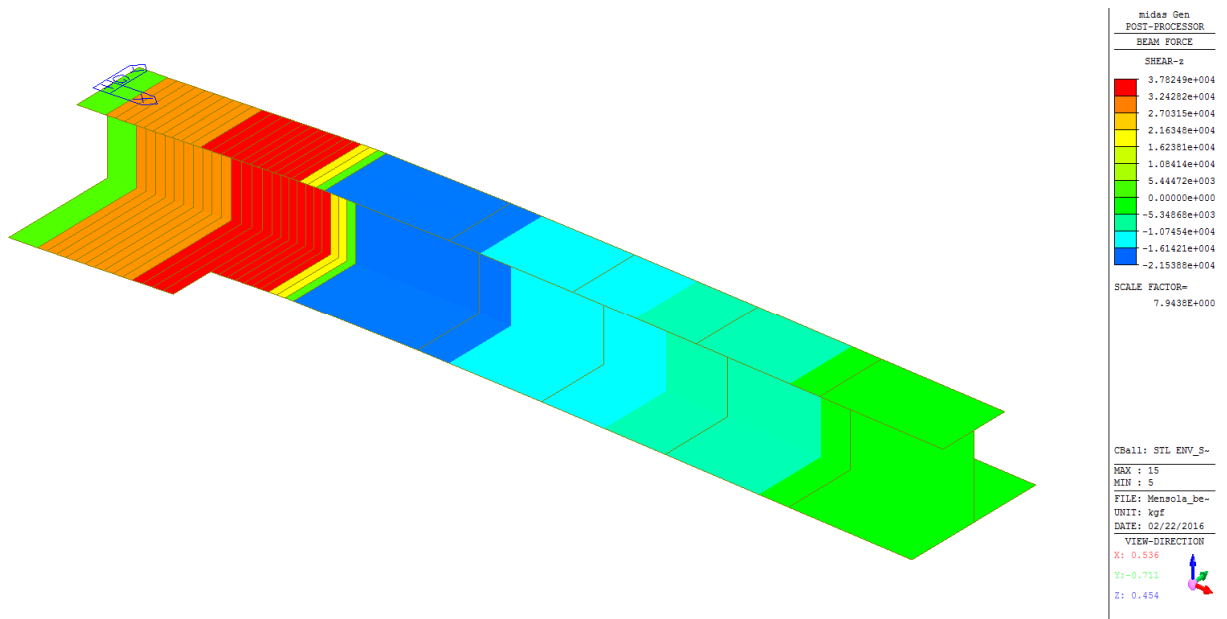


Figure 8 Taglio Z sulla trave

Table 5 tensioni max

El em	Load	Part	Axial (kgf/c m^2)	Shear-y (kgf/c m^2)	Shear-z (kgf/c m^2)	Bend(+ y) (kgf/c m^2)	Bend(- y) (kgf/c m^2)	Bend(+ z) (kgf/c m^2)	Bend(- z) (kgf/c m^2)	Cb (min/max) (kgf/cm ^2)	Cb1 (-y+z) (kgf/c m^2)	Cb2 (+y +z) (kgf/c m^2)	Cb3 (+y -z) (kgf/c m^2)	Cb4 (-y-z) (kgf/c m^2)
5	P01	I[4 ]	0.00e+000	0.00e+000	7.09e+000	0.00e+000	0.00e+000	1.61e+001	9.45e+000	1.61e+001	1.61e+001	1.61e+001	9.45e+000	9.45e+000

El em	Load	Part	Axial (kgf/cm <sup>2</sup> )	Shear-y (kgf/cm <sup>2</sup> )	Shear-z (kgf/cm <sup>2</sup> )	Bend(+y) (kgf/cm <sup>2</sup> )	Bend(-y) (kgf/cm <sup>2</sup> )	Bend(+z) (kgf/cm <sup>2</sup> )	Bend(-z) (kgf/cm <sup>2</sup> )	Cb(min/max) (kgf/cm <sup>2</sup> )	Cb1(-y+z) (kgf/cm <sup>2</sup> )	Cb2(+y+z) (kgf/cm <sup>2</sup> )	Cb3(+y-z) (kgf/cm <sup>2</sup> )	Cb4(-y-z) (kgf/cm <sup>2</sup> )
5	P01	J[28]	0.00e+000	0.00e+000	5.67e+000	0.00e+000	0.00e+000	1.03e+001	6.05e+000	1.03e+001	1.03e+001	1.03e+001	6.05e+000	6.05e+000
15	P01	I[16]	0.00e+000	0.00e+000	1.25e+001	0.00e+000	0.00e+000	1.23e+001	7.22e+000	1.23e+001	1.23e+001	1.23e+001	7.22e+000	7.22e+000
15	P01	J[17]	0.00e+000	0.00e+000	1.26e+001	0.00e+000	0.00e+000	1.30e+001	7.67e+000	1.30e+001	1.30e+001	1.30e+001	7.67e+000	7.67e+000
16	P01	I[17]	0.00e+000	0.00e+000	1.24e+001	0.00e+000	0.00e+000	1.30e+001	7.67e+000	1.30e+001	1.30e+001	1.30e+001	7.67e+000	7.67e+000
16	P01	J[18]	0.00e+000	0.00e+000	1.25e+001	0.00e+000	0.00e+000	1.38e+001	8.11e+000	1.38e+001	1.38e+001	1.38e+001	8.11e+000	8.11e+000
17	P01	I[18]	0.00e+000	0.00e+000	1.19e+001	0.00e+000	0.00e+000	1.38e+001	8.11e+000	1.38e+001	1.38e+001	1.38e+001	8.11e+000	8.11e+000
17	P01	J[19]	0.00e+000	0.00e+000	1.20e+001	0.00e+000	0.00e+000	1.45e+001	8.53e+000	1.45e+001	1.45e+001	1.45e+001	8.53e+000	8.53e+000
18	P01	I[19]	0.00e+000	0.00e+000	1.08e+001	0.00e+000	0.00e+000	1.45e+001	8.53e+000	1.45e+001	1.45e+001	1.45e+001	8.53e+000	8.53e+000
18	P01	J[20]	0.00e+000	0.00e+000	1.08e+001	0.00e+000	0.00e+000	1.52e+001	8.92e+000	1.52e+001	1.52e+001	1.52e+001	8.92e+000	8.92e+000
19	P01	I[20]	0.00e+000	0.00e+000	8.76e+000	0.00e+000	0.00e+000	1.52e+001	8.92e+000	1.52e+001	1.52e+001	1.52e+001	8.92e+000	8.92e+000
19	P01	J[21]	0.00e+000	0.00e+000	8.85e+000	0.00e+000	0.00e+000	1.57e+001	9.23e+000	1.57e+001	1.57e+001	1.57e+001	9.23e+000	9.23e+000
20	P01	I[21]	0.00e+000	0.00e+000	5.51e+000	0.00e+000	0.00e+000	1.57e+001	9.23e+000	1.57e+001	1.57e+001	1.57e+001	9.23e+000	9.23e+000
20	P01	J[22]	0.00e+000	0.00e+000	5.61e+000	0.00e+000	0.00e+000	1.60e+001	9.43e+000	1.60e+001	1.60e+001	1.60e+001	9.43e+000	9.43e+000
21	P01	I[22]	0.00e+000	0.00e+000	4.84e+001	0.00e+000	0.00e+000	1.60e+001	9.43e+000	1.60e+001	1.60e+001	1.60e+001	9.43e+000	9.43e+000
21	P01	J[4]	0.00e+000	0.00e+000	5.79e+001	0.00e+000	0.00e+000	1.61e+001	9.45e+000	1.61e+001	1.61e+001	1.61e+001	9.45e+000	9.45e+000

El em	Load	Part	Axial (kgf/c m <sup>2</sup> )	Shear-y (kgf/c m <sup>2</sup> )	Shear-z (kgf/c m <sup>2</sup> )	Bend(+ y) (kgf/c m <sup>2</sup> )	Bend(- y) (kgf/c m <sup>2</sup> )	Bend(+ z) (kgf/c m <sup>2</sup> )	Bend(- z) (kgf/c m <sup>2</sup> )	Cb(min/max) (kgf/cm <sup>2</sup> )	Cb1(-y+z) (kgf/c m <sup>2</sup> )	Cb2(+y+z) (kgf/c m <sup>2</sup> )	Cb3(+y-z) (kgf/c m <sup>2</sup> )	Cb4(-y-z) (kgf/c m <sup>2</sup> )
27	P01	I[28]	0.00e+000	0.00e+000	-5.67e+000	0.00e+000	0.00e+000	1.03e+001	-6.05e+000	1.03e+001	1.03e+001	1.03e+001	-6.05e+000	-6.05e+000
27	P01	J[29]	0.00e+000	0.00e+000	-4.25e+000	0.00e+000	0.00e+000	5.78e+000	-3.40e+000	5.78e+000	5.78e+000	5.78e+000	-3.40e+000	-3.40e+000
28	P01	I[29]	0.00e+000	0.00e+000	-4.25e+000	0.00e+000	0.00e+000	5.78e+000	-3.40e+000	5.78e+000	5.78e+000	5.78e+000	-3.40e+000	-3.40e+000
28	P01	J[30]	0.00e+000	0.00e+000	-2.84e+000	0.00e+000	0.00e+000	2.57e+000	-1.51e+000	2.57e+000	2.57e+000	2.57e+000	-1.51e+000	-1.51e+000
29	P01	I[30]	0.00e+000	0.00e+000	-2.84e+000	0.00e+000	0.00e+000	2.57e+000	-1.51e+000	2.57e+000	2.57e+000	2.57e+000	-1.51e+000	-1.51e+000
29	P01	J[31]	0.00e+000	0.00e+000	-1.42e+000	0.00e+000	0.00e+000	6.43e-001	-3.78e-001	6.43e-001	6.43e-001	6.43e-001	-3.78e-001	-3.78e-001
30	P01	I[31]	0.00e+000	0.00e+000	-1.42e+000	0.00e+000	0.00e+000	6.43e-001	-3.78e-001	6.43e-001	6.43e-001	6.43e-001	-3.78e-001	-3.78e-001
30	P01	J[6]	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000
5	P02	I[4]	0.00e+000	0.00e+000	-6.33e+002	0.00e+000	0.00e+000	1.43e+003	-8.44e+002	1.43e+003	1.43e+003	1.43e+003	-8.44e+002	-8.44e+002
5	P02	J[28]	0.00e+000	0.00e+000	-5.06e+002	0.00e+000	0.00e+000	9.18e+002	-5.40e+002	9.18e+002	9.18e+002	9.18e+002	-5.40e+002	-5.40e+002
15	P02	I[16]	0.00e+000	0.00e+000	1.10e+003	0.00e+000	0.00e+000	1.10e+003	-6.46e+002	1.10e+003	1.10e+003	1.10e+003	-6.46e+002	-6.46e+002
15	P02	J[17]	0.00e+000	0.00e+000	1.11e+003	0.00e+000	0.00e+000	1.17e+003	-6.85e+002	1.17e+003	1.17e+003	1.17e+003	-6.85e+002	-6.85e+002
16	P02	I[17]	0.00e+000	0.00e+000	1.10e+003	0.00e+000	0.00e+000	1.17e+003	-6.85e+002	1.17e+003	1.17e+003	1.17e+003	-6.85e+002	-6.85e+002
16	P02	J[18]	0.00e+000	0.00e+000	1.11e+003	0.00e+000	0.00e+000	1.23e+003	-7.24e+002	1.23e+003	1.23e+003	1.23e+003	-7.24e+002	-7.24e+002
17	P02	I[18]	0.00e+000	0.00e+000	1.06e+003	0.00e+000	0.00e+000	1.23e+003	-7.24e+002	1.23e+003	1.23e+003	1.23e+003	-7.24e+002	-7.24e+002

El em	Load	Par t	Axial (kgf/c m^2)	Shear-y (kgf/c m^2)	Shear-z (kgf/c m^2)	Bend(+ y) (kgf/c m^2)	Bend(- y) (kgf/c m^2)	Bend(+ z) (kgf/c m^2)	Bend(- z) (kgf/c m^2)	Cb(min/max) (kgf/cm ^2)	Cb1 (- y+z) (kgf/c m^2)	Cb2 (+y +z) (kgf/c m^2)	Cb3 (+y -z) (kgf/c m^2)	Cb4 (- y-z) (kgf/c m^2)
17	P02	J[1 9]	0.00e+000	0.00e+000	1.07e+003	0.00e+000	0.00e+000	1.30e+003	-7.62e+002	1.30e+003	1.30e+003	1.30e+003	-7.62e+002	-7.62e+002
18	P02	I[1 9]	0.00e+000	0.00e+000	9.59e+002	0.00e+000	0.00e+000	1.30e+003	-7.62e+002	1.30e+003	1.30e+003	1.30e+003	-7.62e+002	-7.62e+002
18	P02	J[2 0]	0.00e+000	0.00e+000	9.67e+002	0.00e+000	0.00e+000	1.35e+003	-7.96e+002	1.35e+003	1.35e+003	1.35e+003	-7.96e+002	-7.96e+002
19	P02	I[2 0]	0.00e+000	0.00e+000	7.82e+002	0.00e+000	0.00e+000	1.35e+003	-7.96e+002	1.35e+003	1.35e+003	1.35e+003	-7.96e+002	-7.96e+002
19	P02	J[2 1]	0.00e+000	0.00e+000	7.90e+002	0.00e+000	0.00e+000	1.40e+003	-8.24e+002	1.40e+003	1.40e+003	1.40e+003	-8.24e+002	-8.24e+002
20	P02	I[2 1]	0.00e+000	0.00e+000	4.92e+002	0.00e+000	0.00e+000	1.40e+003	-8.24e+002	1.40e+003	1.40e+003	1.40e+003	-8.24e+002	-8.24e+002
20	P02	J[2 2]	0.00e+000	0.00e+000	5.01e+002	0.00e+000	0.00e+000	1.43e+003	-8.42e+002	1.43e+003	1.43e+003	1.43e+003	-8.42e+002	-8.42e+002
21	P02	I[2 2]	0.00e+000	0.00e+000	4.34e+001	0.00e+000	0.00e+000	1.43e+003	-8.42e+002	1.43e+003	1.43e+003	1.43e+003	-8.42e+002	-8.42e+002
21	P02	J[4 ]	0.00e+000	0.00e+000	5.19e+001	0.00e+000	0.00e+000	1.43e+003	-8.44e+002	1.43e+003	1.43e+003	1.43e+003	-8.44e+002	-8.44e+002
27	P02	I[2 8]	0.00e+000	0.00e+000	-5.06e+002	0.00e+000	0.00e+000	9.18e+002	-5.40e+002	9.18e+002	9.18e+002	9.18e+002	-5.40e+002	-5.40e+002
27	P02	J[2 9]	0.00e+000	0.00e+000	3.80e+002	0.00e+000	0.00e+000	5.16e+002	-3.04e+002	5.16e+002	5.16e+002	5.16e+002	-3.04e+002	-3.04e+002
28	P02	I[2 9]	0.00e+000	0.00e+000	3.80e+002	0.00e+000	0.00e+000	5.16e+002	-3.04e+002	5.16e+002	5.16e+002	5.16e+002	-3.04e+002	-3.04e+002
28	P02	J[3 0]	0.00e+000	0.00e+000	-2.53e+002	0.00e+000	0.00e+000	2.30e+002	-1.35e+002	2.30e+002	2.30e+002	2.30e+002	-1.35e+002	-1.35e+002
29	P02	I[3 0]	0.00e+000	0.00e+000	-2.53e+002	0.00e+000	0.00e+000	2.30e+002	-1.35e+002	2.30e+002	2.30e+002	2.30e+002	-1.35e+002	-1.35e+002
29	P02	J[3 1]	0.00e+000	0.00e+000	-1.27e+002	0.00e+000	0.00e+000	5.74e+001	-3.37e+001	5.74e+001	5.74e+001	5.74e+001	-3.37e+001	-3.37e+001

El em	Load	Part	Axial (kgf/c m <sup>2</sup> )	Shear-y (kgf/c m <sup>2</sup> )	Shear-z (kgf/c m <sup>2</sup> )	Bend(+ y) (kgf/c m <sup>2</sup> )	Bend(- y) (kgf/c m <sup>2</sup> )	Bend(+ z) (kgf/c m <sup>2</sup> )	Bend(- z) (kgf/c m <sup>2</sup> )	Cb(min/max) (kgf/cm <sup>2</sup> )	Cb1(-y+z) (kgf/c m <sup>2</sup> )	Cb2(+y+z) (kgf/c m <sup>2</sup> )	Cb3(+y-z) (kgf/c m <sup>2</sup> )	Cb4(-y-z) (kgf/c m <sup>2</sup> )
30	P02	I[31]	0.00e+000	0.00e+000	-1.27e+002	0.00e+000	0.00e+000	5.74e+001	-3.37e+001	5.74e+001	5.74e+001	5.74e+001	-3.37e+001	-3.37e+001
30	P02	J[6]	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000
5	P03	I[4]	0.00e+000	0.00e+000	-2.53e+002	0.00e+000	0.00e+000	5.74e+002	-3.37e+002	5.74e+002	5.74e+002	5.74e+002	-3.37e+002	-3.37e+002
5	P03	J[28]	0.00e+000	0.00e+000	-2.03e+002	0.00e+000	0.00e+000	3.67e+002	-2.16e+002	3.67e+002	3.67e+002	3.67e+002	-2.16e+002	-2.16e+002
15	P03	I[16]	0.00e+000	0.00e+000	4.41e+002	0.00e+000	0.00e+000	4.39e+002	-2.58e+002	4.39e+002	4.39e+002	4.39e+002	-2.58e+002	-2.58e+002
15	P03	J[17]	0.00e+000	0.00e+000	4.45e+002	0.00e+000	0.00e+000	4.66e+002	-2.74e+002	4.66e+002	4.66e+002	4.66e+002	-2.74e+002	-2.74e+002
16	P03	I[17]	0.00e+000	0.00e+000	4.40e+002	0.00e+000	0.00e+000	4.66e+002	-2.74e+002	4.66e+002	4.66e+002	4.66e+002	-2.74e+002	-2.74e+002
16	P03	J[18]	0.00e+000	0.00e+000	4.43e+002	0.00e+000	0.00e+000	4.93e+002	-2.90e+002	4.93e+002	4.93e+002	4.93e+002	-2.90e+002	-2.90e+002
17	P03	I[18]	0.00e+000	0.00e+000	4.23e+002	0.00e+000	0.00e+000	4.93e+002	-2.90e+002	4.93e+002	4.93e+002	4.93e+002	-2.90e+002	-2.90e+002
17	P03	J[19]	0.00e+000	0.00e+000	4.26e+002	0.00e+000	0.00e+000	5.18e+002	-3.05e+002	5.18e+002	5.18e+002	5.18e+002	-3.05e+002	-3.05e+002
18	P03	I[19]	0.00e+000	0.00e+000	3.83e+002	0.00e+000	0.00e+000	5.18e+002	-3.05e+002	5.18e+002	5.18e+002	5.18e+002	-3.05e+002	-3.05e+002
18	P03	J[20]	0.00e+000	0.00e+000	3.87e+002	0.00e+000	0.00e+000	5.42e+002	-3.19e+002	5.42e+002	5.42e+002	5.42e+002	-3.19e+002	-3.19e+002
19	P03	I[20]	0.00e+000	0.00e+000	3.13e+002	0.00e+000	0.00e+000	5.42e+002	-3.19e+002	5.42e+002	5.42e+002	5.42e+002	-3.19e+002	-3.19e+002
19	P03	J[21]	0.00e+000	0.00e+000	3.16e+002	0.00e+000	0.00e+000	5.61e+002	-3.30e+002	5.61e+002	5.61e+002	5.61e+002	-3.30e+002	-3.30e+002
20	P03	I[21]	0.00e+000	0.00e+000	1.97e+002	0.00e+000	0.00e+000	5.61e+002	-3.30e+002	5.61e+002	5.61e+002	5.61e+002	-3.30e+002	-3.30e+002

El em	Load	Par t	Axial (kgf/c m^2)	Shear-y (kgf/c m^2)	Shear-z (kgf/c m^2)	Bend(+ y) (kgf/c m^2)	Bend(- y) (kgf/c m^2)	Bend(+ z) (kgf/c m^2)	Bend(- z) (kgf/c m^2)	Cb(min/max) (kgf/cm ^2)	Cb1 (- y+z) (kgf/c m^2)	Cb2 (+y +z) (kgf/c m^2)	Cb3 (+y -z) (kgf/c m^2)	Cb4 (- y-z) (kgf/c m^2)
20	P03	J[2 2]	0.00e+000	0.00e+000	2.00e+002	0.00e+000	0.00e+000	5.73e+002	-3.37e+002	5.73e+002	5.73e+002	5.73e+002	-3.37e+002	-3.37e+002
21	P03	I[2 2]	0.00e+000	0.00e+000	1.74e+001	0.00e+000	0.00e+000	5.73e+002	-3.37e+002	5.73e+002	5.73e+002	5.73e+002	-3.37e+002	-3.37e+002
21	P03	J[4 ]	0.00e+000	0.00e+000	2.08e+001	0.00e+000	0.00e+000	5.74e+002	-3.37e+002	5.74e+002	5.74e+002	5.74e+002	-3.37e+002	-3.37e+002
27	P03	I[2 8]	0.00e+000	0.00e+000	-2.03e+002	0.00e+000	0.00e+000	3.67e+002	-2.16e+002	3.67e+002	3.67e+002	3.67e+002	-2.16e+002	-2.16e+002
27	P03	J[2 9]	0.00e+000	0.00e+000	-1.52e+002	0.00e+000	0.00e+000	2.07e+002	-1.21e+002	2.07e+002	2.07e+002	2.07e+002	-1.21e+002	-1.21e+002
28	P03	I[2 9]	0.00e+000	0.00e+000	-1.52e+002	0.00e+000	0.00e+000	2.07e+002	-1.21e+002	2.07e+002	2.07e+002	2.07e+002	-1.21e+002	-1.21e+002
28	P03	J[3 0]	0.00e+000	0.00e+000	-1.01e+002	0.00e+000	0.00e+000	9.18e+001	-5.40e+001	9.18e+001	9.18e+001	9.18e+001	-5.40e+001	-5.40e+001
29	P03	I[3 0]	0.00e+000	0.00e+000	-1.01e+002	0.00e+000	0.00e+000	9.18e+001	-5.40e+001	9.18e+001	9.18e+001	9.18e+001	-5.40e+001	-5.40e+001
29	P03	J[3 1]	0.00e+000	0.00e+000	-5.06e+001	0.00e+000	0.00e+000	2.30e+001	-1.35e+001	2.30e+001	2.30e+001	2.30e+001	-1.35e+001	-1.35e+001
30	P03	I[3 1]	0.00e+000	0.00e+000	-5.06e+001	0.00e+000	0.00e+000	2.30e+001	-1.35e+001	2.30e+001	2.30e+001	2.30e+001	-1.35e+001	-1.35e+001
30	P03	J[6 ]	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000	0.00e+000
5	STL ENV_SER(all)	I[4 ]	0.00e+000	0.00e+000	-8.93e+002	0.00e+000	0.00e+000	2.02e+003	-1.19e+003	2.02e+003	2.02e+003	2.02e+003	-1.19e+003	-1.19e+003
5	STL ENV_SER(all)	J[2 8]	0.00e+000	0.00e+000	-7.15e+002	0.00e+000	0.00e+000	1.30e+003	-7.62e+002	1.30e+003	1.30e+003	1.30e+003	-7.62e+002	-7.62e+002
15	STL ENV_SER(all)	I[1 6]	0.00e+000	0.00e+000	1.56e+003	0.00e+000	0.00e+000	1.55e+003	-9.11e+002	1.55e+003	1.55e+003	1.55e+003	9.11e+002	9.11e+002
15	STL ENV_SER(all)	J[1 7]	0.00e+000	0.00e+000	1.57e+003	0.00e+000	0.00e+000	1.64e+003	-9.67e+002	1.64e+003	1.64e+003	1.64e+003	9.67e+002	9.67e+002

El em	Load	Part	Axial (kgf/cm <sup>2</sup> )	Shear-y (kgf/cm <sup>2</sup> )	Shear-z (kgf/cm <sup>2</sup> )	Bend(+y) (kgf/cm <sup>2</sup> )	Bend(-y) (kgf/cm <sup>2</sup> )	Bend(+z) (kgf/cm <sup>2</sup> )	Bend(-z) (kgf/cm <sup>2</sup> )	Cb(min/max) (kgf/cm <sup>2</sup> )	Cb1(-y+z) (kgf/cm <sup>2</sup> )	Cb2(+y+z) (kgf/cm <sup>2</sup> )	Cb3(+y-z) (kgf/cm <sup>2</sup> )	Cb4(-y-z) (kgf/cm <sup>2</sup> )
16	STL ENV_SER(all)	I[17]	0.00e+000	0.00e+000	1.55e+003	0.00e+000	0.00e+000	1.64e+003	-9.67e+002	1.64e+003	1.64e+003	1.64e+003	-9.67e+002	-9.67e+002
16	STL ENV_SER(all)	J[18]	0.00e+000	0.00e+000	1.56e+003	0.00e+000	0.00e+000	1.74e+003	-1.02e+003	1.74e+003	1.74e+003	1.74e+003	-1.02e+003	-1.02e+003
17	STL ENV_SER(all)	I[18]	0.00e+000	0.00e+000	1.49e+003	0.00e+000	0.00e+000	1.74e+003	-1.02e+003	1.74e+003	1.74e+003	1.74e+003	-1.02e+003	-1.02e+003
17	STL ENV_SER(all)	J[19]	0.00e+000	0.00e+000	1.50e+003	0.00e+000	0.00e+000	1.83e+003	-1.08e+003	1.83e+003	1.83e+003	1.83e+003	-1.08e+003	-1.08e+003
18	STL ENV_SER(all)	I[19]	0.00e+000	0.00e+000	1.35e+003	0.00e+000	0.00e+000	1.83e+003	-1.08e+003	1.83e+003	1.83e+003	1.83e+003	-1.08e+003	-1.08e+003
18	STL ENV_SER(all)	J[20]	0.00e+000	0.00e+000	1.36e+003	0.00e+000	0.00e+000	1.91e+003	-1.12e+003	1.91e+003	1.91e+003	1.91e+003	-1.12e+003	-1.12e+003
19	STL ENV_SER(all)	I[20]	0.00e+000	0.00e+000	1.10e+003	0.00e+000	0.00e+000	1.91e+003	-1.12e+003	1.91e+003	1.91e+003	1.91e+003	-1.12e+003	-1.12e+003
19	STL ENV_SER(all)	J[21]	0.00e+000	0.00e+000	1.11e+003	0.00e+000	0.00e+000	1.98e+003	-1.16e+003	1.98e+003	1.98e+003	1.98e+003	-1.16e+003	-1.16e+003
20	STL ENV_SER(all)	I[21]	0.00e+000	0.00e+000	6.95e+002	0.00e+000	0.00e+000	1.98e+003	-1.16e+003	1.98e+003	1.98e+003	1.98e+003	-1.16e+003	-1.16e+003
20	STL ENV_SER(all)	J[22]	0.00e+000	0.00e+000	7.07e+002	0.00e+000	0.00e+000	2.02e+003	-1.19e+003	2.02e+003	2.02e+003	2.02e+003	-1.19e+003	-1.19e+003
21	STL ENV_SER(all)	I[22]	0.00e+000	0.00e+000	6.13e+001	0.00e+000	0.00e+000	2.02e+003	-1.19e+003	2.02e+003	2.02e+003	2.02e+003	-1.19e+003	-1.19e+003
21	STL ENV_SER(all)	J[4]	0.00e+000	0.00e+000	7.32e+001	0.00e+000	0.00e+000	2.02e+003	-1.19e+003	2.02e+003	2.02e+003	2.02e+003	-1.19e+003	-1.19e+003
27	STL ENV_SER(all)	I[28]	0.00e+000	0.00e+000	-7.15e+002	0.00e+000	0.00e+000	1.30e+003	-7.62e+002	1.30e+003	1.30e+003	1.30e+003	-7.62e+002	-7.62e+002
27	STL ENV_SER(all)	J[29]	0.00e+000	0.00e+000	-5.36e+002	0.00e+000	0.00e+000	7.29e+002	-4.29e+002	7.29e+002	7.29e+002	7.29e+002	-4.29e+002	-4.29e+002
28	STL ENV_SER(all)	I[29]	0.00e+000	0.00e+000	-5.36e+002	0.00e+000	0.00e+000	7.29e+002	-4.29e+002	7.29e+002	7.29e+002	7.29e+002	-4.29e+002	-4.29e+002



Elem	Load	Part	Axial (kgf/cm <sup>2</sup> )	Shear- y (kgf/cm <sup>2</sup> )	Shear- z (kgf/cm <sup>2</sup> )	Bend(+ y) (kgf/cm <sup>2</sup> )	Bend(- y) (kgf/cm <sup>2</sup> )	Bend(+ z) (kgf/cm <sup>2</sup> )	Bend(- z) (kgf/cm <sup>2</sup> )	Cb(min/ max) (kgf/cm <sup>2</sup> )	Cb1(- y+z) (kgf/cm <sup>2</sup> )	Cb2(+y +z) (kgf/cm <sup>2</sup> )	Cb3(+y -z) (kgf/cm <sup>2</sup> )	Cb4(- y-z) (kgf/cm <sup>2</sup> )
28	STL ENV_SER( all)	J[3 0]	0.00e+ 000	0.00e+ 000	- 3.57e+ 002	0.00e+ 000	0.00e+ 000	3.24e+ 002	- 1.90e+ 002	3.24e+0 02	3.24e+ 002	3.24e+ 002	- 1.90e+ 002	- 1.90e+ 002
29	STL ENV_SER( all)	I[3 0]	0.00e+ 000	0.00e+ 000	- 3.57e+ 002	0.00e+ 000	0.00e+ 000	3.24e+ 002	- 1.90e+ 002	3.24e+0 02	3.24e+ 002	3.24e+ 002	- 1.90e+ 002	- 1.90e+ 002
29	STL ENV_SER( all)	J[3 1]	0.00e+ 000	0.00e+ 000	- 1.79e+ 002	0.00e+ 000	0.00e+ 000	8.10e+ 001	- 4.76e+ 001	8.10e+0 01	8.10e+ 001	8.10e+ 001	- 4.76e+ 001	- 4.76e+ 001
30	STL ENV_SER( all)	I[3 1]	0.00e+ 000	0.00e+ 000	- 1.79e+ 002	0.00e+ 000	0.00e+ 000	8.10e+ 001	- 4.76e+ 001	8.10e+0 01	8.10e+ 001	8.10e+ 001	- 4.76e+ 001	- 4.76e+ 001
30	STL ENV_SER( all)	J[6 ]	0.00e+ 000	0.00e+ 000	0.00e+ 000	0.00e+ 000	0.00e+ 000	0.00e+ 000	0.00e+ 000	0.00e+0 00	0.00e+ 000	0.00e+ 000	0.00e+ 000	0.00e+ 000

```

#####
###
#
#
#           C . S . E .           #
#
#           C o n n e c t i o n   S t u d y   E n v i r o n m e n t           #
#
#           C o p y r i g h t ( c ) 2 0 0 1 - 2 0 1 5 - C a s t a l i a   s r l   -   M i l a n   I t a l y           #
#
#
#           w w w . c a s t a l i a w e b . c o m
#
#
#           *
#
# ver.
#
#####
###

```

I n f o r m a z i o n i

Questo programma è il risultato di anni di ricerca sulle strutture in acciaio ed è in grado di eseguire automaticamente molte verifiche relative alle connessioni. Il programma verifica pienamente gli unitori di connessioni in acciaio molto complesse, create posizionando liberamente i componenti, e quindi non usa regole ad hoc ma modelli di calcolo molto generali atti a calcolare lo stato di sforzo di "scene" arbitrariamente complesse create dall'utente.

```

-----
| a ..... Distanza minima dell'ancoraggio dal bordo |
| AcT..... Area di calcolo totale di un blayout |
| Ancor ..... Se sì i bulloni sono anche ancoraggi e verifiche di sfilamento sono eseguite (bulloni tesi) |
| Angolo ..... Angolo di rotazione |
| Angolo ..... Angolo tra le facce di un cordone d'angolo (°) |
| Area ..... Area lorda di un bullone singolo |
| Area di calcolo ..... Area se Lord=sì Ares se Lord=no |
| Ares ..... Area filettata bullone singolo |
| AT ..... Area di calcolo totale di un wlayout |
| Attr ..... Se sì il blayout deve resistere allo scorrimento e saranno fatte verifiche di scorrimento |
| beta ..... Angolo degli assi principali (u,v) rispetto |
| | agli assi locali (x,y) in un wlayout |
| BLT ..... Esegui verifiche a block tear |
| Bull ..... Numero di bullone in un blayout |
| Blayout ..... Un gruppo di bulloni identici che uniscono |

```

	gli stessi componenti. Gli "estremi" corrispon-
	dono agli spessori uniti. Le "sezioni" sono le
	interfacce tra gli spessori
Causa .....	Causa dello sfruttamento
	Nei cordoni d'angolo: 3 verifica semplificata
Cdx .....	Offset x dalla posizione nel SC locale
Cdy .....	Offset y dalla posizione nel SC locale
Check .....	Numero di verifica utente
Class .....	Classe di un bullone
Combi .....	Numero di combinazione di carico
Compr .....	Se sì i bulloni reagiscono a compressione se
	no i bulloni saranno solo in trazione
Contr .....	Se sì il blayout usa una superficie di con-
	trasto per resistere a flessione e compr.
Cord .....	Numero di un cordone singolo in un wlayout
Dc .....	Distanza tra le colonne
di .....	Distanza del bullone i dal centro del blayout
Dia .....	Diametro del bullone
Dia H .....	Diametro del foro
Dr .....	Distanza tra le righe
E .....	Modulo di Young
e1, e2, e3 .....	Deformazioni in punti di legame costitutivo
eu .....	Deformazione ultima
Est .....	Estremo di un cordone d'angolo
Est .....	Numero di estremo di un bullone o di un blay-
	out. Per ogni spessore collegato è presente un
	"estremo" di un bullone/blayout. Se n spessori
	il numero totale di estremi è n
Expl .....	Indice di sfruttamento se < 1 le verifiche
	sono soddisfatte se > 1 non lo sono
Fa,dB .....	Forza di trazione di sfilamento di progetto
	per un bullone
Fa,dT .....	Forza di trazione di sfilamento di progetto
	del blayout
Fi .....	Coefficiente di foro (anche Ks)
FL .....	Forza limite di sfilamento (def. da utente)
Flex .....	Indice di flessibilità
forza .....	Forza per unità di lunghezza in un cordone
Forza A .....	Forza applicata
Forza U .....	Forza limite
Fp,C .....	v. Nini
F,t .....	La forza di taglio agente su un bullone a cau-
	sa di un torcente applicato in una sezione
fbd .....	Tensione tangenziale di aderenza
fcd .....	Tensione di progetto di compressione, cls
fub .....	Sforzo normale ultimo nel bullone
fu,o .....	Sforzo ultimo di un componente in contatto con
	un bullone (rifollamento)
Fu,t .....	La forza di taglio agente su un bullone in
	direzione u a causa di un torcente Mt
Fv,t .....	La forza di taglio agente su un bullone in
	direzione v a causa di un torcente Mt
FX .....	Forza x agente su un estremo di un unitore nel
	SC globale (X,Y, Z)
FY .....	Forza y agente su un estremo di un unitore nel
	SC globale (X, Y, Z)
fy,o .....	Sforzo di snervamento di un componente a con-
	tatto di un bullone
FZ .....	Forza z agente sull'estremo di un unitore nel
	SC globale (X, Y, Z)
gammaM .....	Coefficiente di sicurezza del materiale di con-
	trasto, divide lo sforzo ultimo
gM0 .....	Coefficiente di sicurezza parziale (EN 1993)
gM1 .....	Coefficiente di sicurezza parziale (EN 1993)
gM2 .....	Coefficiente di sicurezza parziale (EN 1993)

gM3 .....	Coefficiente di sicurezza parziale (EN 1993)	
gM4 .....	Coefficiente di sicurezza parziale (EN 1993)	
gM5 .....	Coefficiente di sicurezza parziale (EN 1993)	
Id .....	Identificatore di un componente	
Incl.....	Inclinazione di un cordone rispetto all'asse locale x, gradi= atan[(y2-y1)/(x2-x1)]	
Int.C .....	Flag booleano per marcare come interno o no un bullone in direzione di riga	
Int.R .....	Flag booleano per marcare come interno o no un bullone in direzione colonna	
Ist .....	Istanza di un renodo nella struttura in esame	
Jp .....	Sum(i){ di ^ 2} - momento di inerzia polare normalizzato all'area di un bullone	
Jp .....	Momento di inerzia polare delle sezioni di gola rispetto al centro di un wlayout	
Ju .....	Momento di inerzia delle sezioni di gola di un wlayout rispetto all'asse principale u	
Ju .....	Sum(i){ vi ^ 2} - momento di inerzia asse u del blayout normalizzato all'area di un bull.	
Jv .....	Momento di inerzia delle sezioni di gola di un wlayout rispetto all'asse principale v	
Jv .....	Sum(i){ ui ^ 2} - momento di inerzia asse v del blayout normalizzato all'area di un bull.	
Jx .....	Sum(i){ yi^2 } - momento d'inerzia asse x del blayout normalizzato all'area di un bullone	
Jxy .....	Sum(i){xi * yi} - momento di inerzia centrifugo di un blayout normalizzato area di un bull.	
Jy .....	Sum(i){ xi^2 } - momento di inerzia asse y del blayout normalizzato all'area di un bullone	
Kn .....	Fattore di pretiro Fp,C= Kn * fub * Ares	
l2 .....	Lunghezza addizionale ancoraggio (dopo uncino)	
ln .....	Lunghezza rettilinea dell'ancoraggio	
Lord .....	Se sì l'area lorda verrà usata nelle verifiche a taglio. Se no l'area filettata.	
Lun .....	Lunghezza di un cordone	
m .....	m = Es / Econt dove Es è il modulo di Young di un bullone ed Econt quello del contrasto: fattore di omogeneizzazione, calcolo elastico	
MB .....	Momento flettente in un bullone in una data sezione, risultante di MuB e MvB	
MtT .....	Momento torcente totale in un blayout in una data sezione di calcolo	
MtT .....	Momento torcente toale in un wlayout in una data sezione	
Mu .....	Coefficiente di attrito	
MuB .....	Momento flettente agente su un bullone in una data sezione, direzione asse principale u	
MuT .....	Momento totale agente su un blayout in una sezione, direzione asse principale layout u	
MuT .....	Momento totale agente su un wlayout in una sezione, direzione asse principale layout u	
MvB .....	Momento flettente agente su un bullone in una data sezione, direzione asse principale v	
MvT .....	Momento totale agente su un blayout in una sezione, direzione asse principale layout v	
MvT .....	Momento totale agente su un wlayout in una sezione, direzione asse principale layout u	
MX .....	Coppia x agente sull'estremo di un unitore nel SC globale (X, Y, Z)	
MY .....	Coppia y agente sull'estremo di un unitore nel SC globale (X, Y, Z)	
MZ .....	Coppia z agente sull'estremo di un unitore nel SC globale (X, Y, Z)	
NB .....	Az. ass. in un bullone (traz. > 0, no Pryf)	
Nbo .....	Numero di bulloni in un blayout	

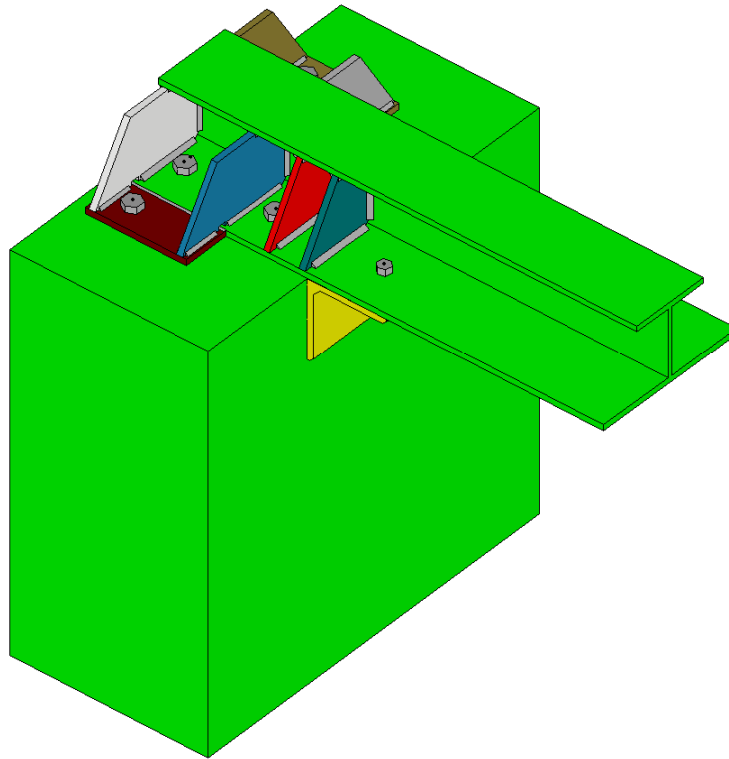
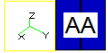
Nco	Numero di colonne in un blayout
Nini	Precarico iniziale di un bullone (forza, > 0)
Ni,Mu	Forza assiale in un bullone i per momento Mu
Ni,Mv	Forza assiale in un bullone i per momento Mv
Nlim	Azione assiale limite di un bullone singolo
nPer	Sforzo normale agente sulla sezione di gola
Nro	Numero di righe in un blayout
NT	Azione assiale totale in un blayout (trazione se > 0), in una data sezione di un blayout
NT	Azione assiale totale in un wlayout (trazione se > 0), in una data sezione del layout
NTB	Azione assiale "totale" (NB + Nini)
Nco	Numero di cordoni in un wlayout
Ogg	Identificatore di un componente
Pangle	Angolo degli assi principali (u,v) rispetto a gli assi locali (x, y)
Precision	Il foro è di precisione ?
Pryf.....	Fattore effetto leva (>= 1)
Pt	Numero del punto della poligonale usata per descrivere il contrasto
r	Raggio di piega della barra o del piattello
s1, s2, s3	Sforzi in punti vari di un legame costitutivo > 0 trazione < 0 compressione
Safety	Coefficiente di sicurezza allo scorrimento
SC	Sistema di coordinate
Sez	Numero di sezione resistente di un bullone. Qui sono verificati resistenza e scorrimento
Sez	Numero di sezioni resistenti
Sigma	Sforzo di rifollamento calcolato
SigmaM	Massimo sforzo di rifollamento di progetto
SoloTaglio.....	Se i bulloni sono o no solo caricati a taglio
su	Sforzo ultimo
Sum(i).....	Somma per "i" che varia da 1 al numero di sotto componenti in un layout
sy	Sforzo di snervamento
Spess	Spessore del componente unito da un wlayout a cordoni d'angolo
Gola	Sezione di gola di un cordone d'angolo, la sezione usata per il calcolo a resistenza
TB	Forza di taglio in un bullone in una data sezione, risultante di TuB e TvB
tPar	Sforzo di taglio parallelo alla lunghezza di un cordone, agente sulla sezione di gola
tPer	Sforzo di taglio agente perpendicolarmente alla lunghezza del cordone, sulla sezione di gola
TuB	Forza di taglio in un bulone in una data sezione in direzione u (asse principali blayout)
TuT	Forza di taglio totale in un blayout in una sezione in direzione u (asse principale)
TuT	Forza di taglio totale in un wlayout in una sezione in direzione u (asse principale)
TvB	Forza di taglio in un bulone in una data sezione in direzione v (asse principali blayout)
TvT	Forza di taglio totale in un blayout in una sezione in direzione v (asse principale)
TvT	Forza di taglio totale in un wlayout in una sezione in direzione v (asse principale)
u	coordinata u di un punto
ui	Coordinata u del bullone i, (u: SC principale)
Unità	Unità di misura
v	coordinata v di un punto
v1	Primo membro di una verifica utente
v2	Secondo membro di una verifica utente
vi	Coordinata v del bullone i, (v: SC principale)
Vlim	Taglio limite di un bullone singolo se è

	usata una sola sezione resistente
VmaxB .....	Taglio massimo per scorrimento di un unico bullone in una sola sezione resistente
VmaxT .....	Taglio massimo di un blayout per scorrimento in una sola sezione resistente
x .....	Coordinata x di un bullone (SC locale)
x1 .....	coordinata x del primo estremo di un cordone nel SC locale
x2 .....	coordinata x del secondo estremo di un cordone nel SC locale
xc .....	coordinata x del centro di un wlayout nel SC locale
xc .....	Coord. x del centro di un blayout, SC locale
xi .....	Coordinata x del bullone i, SC locale
y .....	Coordinata y di un bullone (SC locale)
y1 .....	coordinata y del primo estremo di un cordone nel SC locale
y2 .....	coordinata y del secondo estremo di un cordone nel SC locale
yc .....	Coord. y del centro di un blayout, SC locale
yc .....	coordinata y del centro di un wlayout nel SC locale
xi .....	Coordinata x del bullone i, SC locale
Wlayout .....	Insieme di cordoni che uniscono 2 componenti
WTi .....	Per un bullone F,t = $M_t / W_{Ti}$ $W_{Ti} = J_p / d_i$ se $d_i=0$ $W_{Ti} = 1.e12$
WTui .....	Per un bullone $F_u,t = M_t / W_{Tui}$ $W_{Tui} = J_p / v_i$ se $v_i=0$ $W_{Tui} = 1.e12$
WTvi .....	Per un bullone $F_v,t = M_t / W_{Tvi}$ $W_{Tvi} = J_p / u_i$ se $u_i=0$ $W_{Tvi} = 1.e12$
Wui .....	Per un bullone $N_i, \mu = \mu / W_{ui}$ $W_{ui} = J_u / v_i$ se $v_i=0$ $W_{ui} = 1.e12$
Wvi .....	Per un bullone $N_i, \mu_v = \mu_v / W_{vi}$ $W_{vi} = J_v / u_i$ se $u_i=0$ $W_{vi} = 1.e12$
-?- .....	Numero di sezione o di verifica utente

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INCOGNITE = 72 EQUAZIONI = 48 IPERCONNETTIVITA' = 24

Unità

Lungh. mm	Forza kg	Temperatura °C	Tempo s	Sforzo kg/mm <sup>2</sup>	Momento kg mm
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\*\*\*\*\*  
 Impostazioni della norma  
 \*\*\*\*\*

Eurocodice 3 EN 1993

gM0 = 1.050  
 gM1 = 1.050  
 gM2 = 1.250  
 gM3 = 1.100  
 gM4 = 1.000  
 gM5 = 1.000

Le verifiche a rifollamento sono state eseguite.  
 Le verifiche a block tear previste dal programma sono state eseguite.  
 Le verifiche previste dal programma delle sezioni nette delle membrature sono state eseguite.  
 Le verifiche semplificate previste dal programma per i tramite sono state eseguite.  
 Le verifiche delle sezioni nette dei tramite, come previste dal programma, sono state eseguite.  
 Le verifiche utente, come descritte dall'Utente, se presenti, sono state eseguite.  
 Le azioni interne delle membrature sono state applicate agli estremi degli elementi finiti.  
 Flessioni parassite tenute in conto nella verifica dei bulloni  
 Numero di combinazioni: 1

\*\*\*\*\*  
 Descrizione dei componenti  
 \*\*\*\*\*

Membratura m1	HS_85	Fe430				
Supporto	---					
Piatto trapezoidale	P1	H=170 mm	B=195 mm	b=95 mm	t=15 mm	Fe430
Piatto trapezoidale	P3	H=170 mm	B=195 mm	b=95 mm	t=15 mm	Fe430
Piatto trapezoidale	P7	H=170 mm	B=195 mm	b=95 mm	t=15 mm	Fe430
Piatto trapezoidale	P8	H=170 mm	B=195 mm	b=95 mm	t=15 mm	Fe430
Squadretta	L1	L=400 mm	L 200x15			Fe430
Piatto rettangolare	P9	H=255 mm	B=120 mm	t=15 mm		Fe430
Piatto rettangolare	P10	H=255 mm	B=120 mm	t=15 mm		Fe430
Piatto trapezoidale	P4	H=170 mm	B=315 mm	b=210 mm	t=15 mm	Fe430
Piatto trapezoidale	P12	H=170 mm	B=315 mm	b=210 mm	t=15 mm	Fe430
Piatto trapezoidale	P5	H=170 mm	B=315 mm	b=210 mm	t=15 mm	Fe430
Piatto trapezoidale	P6	H=170 mm	B=315 mm	b=210 mm	t=15 mm	Fe430
Unitore B1 - 2M27-8.8 -		Molteplicità 2 (layout di bulloni)				
Unitore B2 - 2M27-8.8 -		Molteplicità 2 (layout di bulloni)				
Unitore W4 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W5 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W6 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W7 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W8 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W9 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W19 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W20 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W21 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W22 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W23 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W24 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore B3 - 2M20-8.8F ic 200.0 -		Molteplicità 2 (layout di bulloni)				
Unitore B4 - 2M20-8.8F ic 200.0 -		Molteplicità 2 (layout di bulloni)				
Unitore W25 - nw=2 Penetration Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore B5 - 1M27-8.8F -		Molteplicità 2 (layout di bulloni)				
Unitore W26 - nw=2 Penetration Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore B6 - 1M27-8.8F -		Molteplicità 2 (layout di bulloni)				
Unitore W10 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W11 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W12 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W31 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W32 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W33 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W34 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W35 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W13 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W14 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W15 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W36 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W16 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W17 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W18 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				
Unitore W37 - nw=2 Fillet Welds-Shop-Jp -		Molteplicità 2 (layout di saldature)				



\*\*\*\*\*  
 Topologia delle connessioni  
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CHAIN 1 m1 : (B1) : |---|  
 CHAIN 2 m1 : (B2) : |---|  
 CHAIN 3 m1 : (B3) : L1 : (B4) : |---|  
 CHAIN 4 m1 \* (W25) \* P9 : (B5) : |---|  
 CHAIN 5 m1 \* (W26) \* P10 : (B6) : |---|  
 CHAIN 6 m1 \* (W11) \* P4 \* (W10) \* P9 : (B5) : |---|  
 CHAIN 7 m1 \* (W12) \* P4 \* (W10) \* P9 : (B5) : |---|  
 CHAIN 8 m1 \* (W31) \* P4 \* (W10) \* P9 : (B5) : |---|  
 CHAIN 9 m1 \* (W33) \* P12 \* (W32) \* P10 : (B6) : |---|  
 CHAIN 10 m1 \* (W34) \* P12 \* (W32) \* P10 : (B6) : |---|  
 CHAIN 11 m1 \* (W35) \* P12 \* (W32) \* P10 : (B6) : |---|  
 CHAIN 12 m1 \* (W14) \* P5 \* (W13) \* P10 : (B6) : |---|  
 CHAIN 13 m1 \* (W15) \* P5 \* (W13) \* P10 : (B6) : |---|  
 CHAIN 14 m1 \* (W36) \* P5 \* (W13) \* P10 : (B6) : |---|  
 CHAIN 15 m1 \* (W17) \* P6 \* (W16) \* P9 : (B5) : |---|  
 CHAIN 16 m1 \* (W18) \* P6 \* (W16) \* P9 : (B5) : |---|  
 CHAIN 17 m1 \* (W37) \* P6 \* (W16) \* P9 : (B5) : |---|

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 Bullonature: proprietà generali  
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Id	Nbo	Nro	Nco	Angolo	Dc (mm)	Dr (mm)	Cdx (mm)	Cdy (mm)	Tipo
B1	2	2	1	0.00	72.0	230.0	0.0	-420.0	libera
B2	2	2	1	0.00	72.0	230.0	0.0	-420.0	libera
B3	2	1	2	0.00	200.0	52.8	0.0	0.0	sempl.
B4	2	1	2	0.00	200.0	52.8	0.0	27.0	sempl.
B5	1	1	1	0.00	72.0	72.0	0.0	-130.0	libera
B6	1	1	1	0.00	72.0	72.0	0.0	-130.0	libera

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 Bullonature: proprietà generali  
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Id	STaglio	Compr	Ancor	Attr	Contr	BLT	Flex	Pryf
B1	no	no	sì	no	sì	sì	1.00	1.00
B2	no	no	sì	no	sì	sì	1.00	1.00
B3	no	no	no	no	no-E	sì	1.00	1.00
B4	no	no	sì	no	sì	sì	1.00	1.00
B5	no	no	sì	no	sì	sì	1.00	1.00
B6	no	no	sì	no	sì	sì	1.00	1.00

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 Bullonature: proprietà di calcolo  
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Id Jv	xc Pangle (mm)	yc Jp (mm)	AcT (mm <sup>2</sup> )	Jx (mm <sup>2</sup> )	Jy (mm <sup>2</sup> )	Jxy (mm <sup>2</sup> )	Ju (mm <sup>2</sup> )	(mm <sup>2</sup> )
B1	0.0	0.0	918.0	26450.0	0.0	0.0	26450.0	
0.0	-0°	26450.0						
B2	0.0	0.0	918.0	26450.0	0.0	0.0	26450.0	
0.0	-0°	26450.0						
B3	0.0	0.0	628.3	0.0	20000.0	0.0	0.0	
20000.0		0°	20000.0					
B4	0.0	0.0	628.3	0.0	20000.0	0.0	0.0	
20000.0		0°	20000.0					
B5	0.0	0.0	572.6	0.0	0.0	0.0	0.0	
0.0	0°	0.0						
B6	0.0	0.0	572.6	0.0	0.0	0.0	0.0	
0.0	0°	0.0						

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 Bullonature: proprietà dei bulloni  
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Id Nlim	Class	Dia Nini (mm)	Dia H (mm)	Sez	Lord	Precision	Area (mm <sup>2</sup> )	Ares (mm <sup>2</sup> )	Vlim (kg)
B1	8.8	27.0	30.0	1	no	no	572.6	459.0	17967.0
26950.5		0.0							
B2	8.8	27.0	30.0	1	no	no	572.6	459.0	17967.0
26950.5		0.0							
B3	8.8	20.0	22.0	1	si	no	314.2	245.0	12297.4
14385.3		0.0							
B4	8.8	20.0	22.0	1	si	no	314.2	245.0	12297.4
14385.3		0.0							
B5	8.8	27.0	30.0	1	si	no	572.6	459.0	22411.9
26950.5		0.0							
B6	8.8	27.0	30.0	1	si	no	572.6	459.0	22411.9
26950.5		0.0							

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 Bullonature ancoraggi  
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Id FL	Tipo Fa,dB	Fa,dT	fbd (kg/mm <sup>2</sup> )	fcd (kg/mm <sup>2</sup> )	ln (mm)	r (mm)	t (mm)	a (mm)	l2 (mm)
B1	barra dritta		0.2	1.7	850.0	40.0	10.0	1000.0	70.0
0.0	10452.3	20904.7							
B2	barra dritta		0.2	1.7	850.0	40.0	10.0	1000.0	70.0
0.0	10452.3	20904.7							
B4	barra dritta		0.2	1.7	250.0	40.0	10.0	100.0	70.0
0.0	1667.9	3335.9							
B5	barra dritta		0.2	1.7	1000.0	40.0	10.0	400.0	70.0

0.0 11381.5 11381.5  
B6 barra dritta 0.2 1.7 1000.0 40.0 10.0 400.0 70.0  
0.0 11381.5 11381.5

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Bullonature con contrasto  
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B1 calcolo elastico (no tension)

m= 10.000 Sigma,max = 24.0 kg/mm<sup>2</sup>

FULL

Pt = 1	u =	97.5 mm	v =	-185.0 mm
Pt = 2	u =	97.5 mm	v =	275.0 mm
Pt = 3	u =	-97.5 mm	v =	275.0 mm
Pt = 4	u =	-97.5 mm	v =	-185.0 mm

B2 calcolo elastico (no tension)

m= 10.000 Sigma,max = 24.0 kg/mm<sup>2</sup>

FULL

Pt = 1	u =	97.5 mm	v =	-185.0 mm
Pt = 2	u =	97.5 mm	v =	275.0 mm
Pt = 3	u =	-97.5 mm	v =	275.0 mm
Pt = 4	u =	-97.5 mm	v =	-185.0 mm

B4 calcolo elastico (no tension)

m= 10.000 Sigma,max = 24.0 kg/mm<sup>2</sup>

FULL

Pt = 1	u =	-200.0 mm	v =	52.0 mm
Pt = 2	u =	-200.0 mm	v =	-106.0 mm
Pt = 3	u =	200.0 mm	v =	-106.0 mm
Pt = 4	u =	200.0 mm	v =	52.0 mm

B5 calcolo elastico (no tension)

m= 10.000 Sigma,max = 24.0 kg/mm<sup>2</sup>

FULL

Pt = 1	u =	-60.0 mm	v =	-70.0 mm
Pt = 2	u =	60.0 mm	v =	-70.0 mm

Pt = 3    u =            60.0 mm    v =            185.0 mm  
Pt = 4    u =            -60.0 mm    v =            185.0 mm

B6                    calcolo elastico (no tension)

m= 10.000    Sigma,max =            24.0 kg/mm<sup>2</sup>

FULL

Pt = 1    u =            -60.0 mm    v =            -70.0 mm  
Pt = 2    u =            60.0 mm    v =            -70.0 mm  
Pt = 3    u =            60.0 mm    v =            185.0 mm  
Pt = 4    u =            -60.0 mm    v =            185.0 mm

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Bullonature: posizione e moduli di resistenza dei bulloni  
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Id Wui (mm)	Bull Wvi (mm)	x (mm)	y (mm)	AcT ( mm <sup>2</sup> )	WTui (mm)	WTvi (mm)	WTi (mm)
B1 -230.0	1 1000000.0	0.0	-115.0	918.0	230.0	1000000.0	230.0
B1 230.0	2 1000000.0	0.0	115.0	918.0	-230.0	1000000.0	230.0
B2 -230.0	1 1000000.0	0.0	-115.0	918.0	230.0	1000000.0	230.0
B2 230.0	2 1000000.0	0.0	115.0	918.0	-230.0	1000000.0	230.0
B3 1000000.0	1 200.0	-100.0	0.0	628.3	1000000.0	-200.0	200.0
B3 1000000.0	2 -200.0	100.0	0.0	628.3	1000000.0	200.0	200.0
B4 1000000.0	1 200.0	-100.0	0.0	628.3	1000000.0	-200.0	200.0
B4 1000000.0	2 -200.0	100.0	0.0	628.3	1000000.0	200.0	200.0
B5 1000000.0	1 1000000.0	0.0	0.0	572.6	1000000.0	1000000.0	1000000.0
B6 1000000.0	1 1000000.0	0.0	0.0	572.6	1000000.0	1000000.0	1000000.0

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 Distanze tra i bulloni e componenti uniti ai vari estremi  
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Id	Bull	Est.	Int.C	Int.R	Ogg	Distanza (mm)	Distanza,x ( kg/ mm <sup>2</sup> )	Distanza,y ( kg/ mm <sup>2</sup> )	fy,o	fu,o
B1	1	1	no	no	m1	70.0	97.5	70.0	28.0	43.8
B1	1	2	no	no	---	110.0	397.5	110.0	28.0	43.8
B1	2	1	no	no	m1	70.0	97.5	70.0	28.0	43.8
B1	2	2	no	no	---	110.0	397.5	110.0	28.0	43.8
B2	1	1	no	no	m1	70.0	97.5	70.0	28.0	43.8
B2	1	2	no	no	---	110.0	397.5	110.0	28.0	43.8
B2	2	1	no	no	m1	70.0	97.5	70.0	28.0	43.8
B2	2	2	no	no	---	110.0	397.5	110.0	28.0	43.8
B3	1	1	no	no	L1	79.0	100.0	79.0	28.0	43.8
B3	1	2	no	no	m1	100.0	100.0	572.0	28.0	43.8
B3	2	1	no	no	L1	79.0	100.0	79.0	28.0	43.8
B3	2	2	no	no	m1	100.0	100.0	572.0	28.0	43.8
B4	1	1	no	no	L1	85.0	100.0	85.0	28.0	43.8
B4	1	2	no	no	---	85.0	400.0	85.0	28.0	43.8
B4	2	1	no	no	L1	85.0	100.0	85.0	28.0	43.8
B4	2	2	no	no	---	85.0	400.0	85.0	28.0	43.8
B5	1	1	no	no	P9	60.0	60.0	70.0	28.0	43.8
B5	1	2	no	no	---	110.0	240.0	110.0	28.0	43.8
B6	1	1	no	no	P10	60.0	60.0	70.0	28.0	43.8
B6	1	2	no	no	---	110.0	240.0	110.0	28.0	43.8

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 Saldature: proprietà generali  
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Id	Nco	Flex
W4	2	1
W5	2	1
W6	2	1
W7	2	1
W8	2	1
W9	2	1
W19	2	1
W20	2	1
W21	2	1
W22	2	1
W23	2	1
W24	2	1
W25	2	1
W26	2	1
W10	2	1
W11	2	1
W12	2	1

W31	2	1
W32	2	1
W33	2	1
W34	2	1
W35	2	1
W13	2	1
W14	2	1
W15	2	1
W36	2	1
W16	2	1
W17	2	1
W18	2	1
W37	2	1

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Saldature: proprietà di calcolo  
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Id	xc (mm)	yc (mm)	beta	AT ( mm <sup>2</sup> )	Ju ( mm <sup>4</sup> )	Jv ( mm <sup>4</sup> )	Jp ( mm <sup>4</sup> )
W4	0.0	-0.0	-7e-015°	1979.9	3233835.0	241118.1	3474953.1
W5	0.0	-10.0	-0°	2262.7	4827182.3	275563.5	5102745.8
W6	0.0	-0.0	-3.3e-016°	1131.4	603397.8	137781.7	741179.5
W7	0.0	-0.0	-7e-015°	1979.9	3233835.0	241118.1	3474953.1
W8	0.0	-10.0	-0°	2262.7	4827182.3	275563.5	5102745.8
W9	0.0	-0.0	-3.3e-016°	1131.4	603397.8	137781.7	741179.5
W19	-0.0	10.0	-0°	2262.7	4827182.3	275563.5	5102745.8
W20	0.0	-0.0	-9.1e-017°	1979.9	3233835.0	241118.1	3474953.1
W21	0.0	0.0	5.1e-015°	1131.4	603397.8	137781.7	741179.5
W22	-0.0	10.0	-0°	2262.7	4827182.3	275563.5	5102745.8
W23	0.0	-0.0	-9.1e-017°	1979.9	3233835.0	241118.1	3474953.1
W24	0.0	0.0	5.1e-015°	1131.4	603397.8	137781.7	741179.5
W25	-72.5	0.0	-3.5e-015°	3570.0	57120.0	19344937.5	19402057.5
W26	72.5	0.0	-3.5e-015°	3570.0	57120.0	19344937.5	19402057.5
W10	0.0	-0.0	-1.5e-016°	891.0	601394.3	88648.3	690042.6
W11	0.0	-0.0	-6.8e-017°	2262.7	4827182.3	275563.5	5102745.8
W12	0.0	-0.0	-5.6e-017°	1385.9	2263684.5	137897.3	2401581.8
W31	0.0	57.5	-0°	792.0	422378.5	78798.5	501176.9
W32	0.0	-5.0	-0°	989.9	824957.9	98498.1	923456.0
W33	0.0	-0.0	-4.3e-017°	1583.9	3379027.6	157597.0	3536624.6
W34	-0.0	-0.0	-5.6e-017°	1385.9	2263684.5	137897.3	2401581.8
W35	-0.0	57.5	4.7e-015°	792.0	422378.5	78798.5	501176.9
W13	0.0	-5.0	-0°	989.9	824957.9	98498.1	923456.0
W14	0.0	-0.0	-4.3e-017°	1583.9	3379027.6	157597.0	3536624.6
W15	-0.0	-0.0	-5.6e-017°	1385.9	2263684.5	137897.3	2401581.8
W36	-0.0	57.5	4.7e-015°	792.0	422378.5	78798.5	501176.9
W16	0.0	-0.0	-1.5e-016°	891.0	601394.3	88648.3	690042.6
W17	0.0	-0.0	-4.3e-017°	1583.9	3379027.6	157597.0	3536624.6
W18	0.0	-0.0	-5.6e-017°	1385.9	2263684.5	137897.3	2401581.8
W37	0.0	57.5	-0°	792.0	422378.5	78798.5	501176.9

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 Saldature: posizioni dei cordoni singoli  
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Id y2 (mm)	Cord Incl.	Lun (mm)	Spess (mm)	Gola (mm)	Angolo	x1 (mm)	y1 (mm)	x2 (mm)
W4 70.0	1 90°	140.0	10.0	7.1	90°	11.0	-70.0	11.0
W4 -70.0	2 -90°	140.0	10.0	7.1	90°	-11.0	70.0	-11.0
W5 -80.0	1 -90°	160.0	10.0	7.1	90°	-11.0	80.0	-11.0
W5 80.0	2 90°	160.0	10.0	7.1	90°	11.0	-80.0	11.0
W6 -40.0	1 -90°	80.0	10.0	7.1	90°	-11.0	40.0	-11.0
W6 40.0	2 90°	80.0	10.0	7.1	90°	11.0	-40.0	11.0
W7 70.0	1 90°	140.0	10.0	7.1	90°	11.0	-70.0	11.0
W7 -70.0	2 -90°	140.0	10.0	7.1	90°	-11.0	70.0	-11.0
W8 -80.0	1 -90°	160.0	10.0	7.1	90°	-11.0	80.0	-11.0
W8 80.0	2 90°	160.0	10.0	7.1	90°	11.0	-80.0	11.0
W9 -40.0	1 -90°	80.0	10.0	7.1	90°	-11.0	40.0	-11.0
W9 40.0	2 90°	80.0	10.0	7.1	90°	11.0	-40.0	11.0
W19 80.0	1 90°	160.0	10.0	7.1	90°	11.0	-80.0	11.0
W19 -80.0	2 -90°	160.0	10.0	7.1	90°	-11.0	80.0	-11.0
W20 70.0	1 90°	140.0	10.0	7.1	90°	11.0	-70.0	11.0
W20 -70.0	2 -90°	140.0	10.0	7.1	90°	-11.0	70.0	-11.0
W21 40.0	1 90°	80.0	10.0	7.1	90°	11.0	-40.0	11.0
W21 -40.0	2 -90°	80.0	10.0	7.1	90°	-11.0	40.0	-11.0
W22 80.0	1 90°	160.0	10.0	7.1	90°	11.0	-80.0	11.0
W22 -80.0	2 -90°	160.0	10.0	7.1	90°	-11.0	80.0	-11.0
W23 70.0	1 90°	140.0	10.0	7.1	90°	11.0	-70.0	11.0
W23 -70.0	2 -90°	140.0	10.0	7.1	90°	-11.0	70.0	-11.0
W24 40.0	1 90°	80.0	10.0	7.1	90°	11.0	-40.0	11.0
W24 -40.0	2 -90°	80.0	10.0	7.1	90°	-11.0	40.0	-11.0
W25 -4.0	1 0°	255.0	7.0	7.0	90°	-127.5	-4.0	127.5

W25 4.0	2	255.0 180°	7.0	7.0	90°	127.5	4.0	-127.5
W26 -4.0	1	255.0 0°	7.0	7.0	90°	-127.5	-4.0	127.5
W26 4.0	2	255.0 180°	7.0	7.0	90°	127.5	4.0	-127.5
W10 -45.0	1	90.0 -90°	7.0	4.9	90°	-10.0	45.0	-10.0
W10 45.0	2	90.0 90°	7.0	4.9	90°	10.0	-45.0	10.0
W11 -80.0	1	160.0 -90°	10.0	7.1	90°	-11.0	80.0	-11.0
W11 80.0	2	160.0 90°	10.0	7.1	90°	11.0	-80.0	11.0
W12 70.0	1	140.0 90°	7.0	4.9	90°	10.0	-70.0	10.0
W12 -70.0	2	140.0 -90°	7.0	4.9	90°	-10.0	70.0	-10.0
W31 -40.0	1	80.0 -90°	7.0	4.9	90°	-10.0	40.0	-10.0
W31 40.0	2	80.0 90°	7.0	4.9	90°	10.0	-40.0	10.0
W32 -50.0	1	100.0 -90°	7.0	4.9	90°	-10.0	50.0	-10.0
W32 50.0	2	100.0 90°	7.0	4.9	90°	10.0	-50.0	10.0
W33 -80.0	1	160.0 -90°	7.0	4.9	90°	-10.0	80.0	-10.0
W33 80.0	2	160.0 90°	7.0	4.9	90°	10.0	-80.0	10.0
W34 70.0	1	140.0 90°	7.0	4.9	90°	10.0	-70.0	10.0
W34 -70.0	2	140.0 -90°	7.0	4.9	90°	-10.0	70.0	-10.0
W35 -40.0	1	80.0 -90°	7.0	4.9	90°	-10.0	40.0	-10.0
W35 40.0	2	80.0 90°	7.0	4.9	90°	10.0	-40.0	10.0
W13 -50.0	1	100.0 -90°	7.0	4.9	90°	-10.0	50.0	-10.0
W13 50.0	2	100.0 90°	7.0	4.9	90°	10.0	-50.0	10.0
W14 -80.0	1	160.0 -90°	7.0	4.9	90°	-10.0	80.0	-10.0
W14 80.0	2	160.0 90°	7.0	4.9	90°	10.0	-80.0	10.0
W15 70.0	1	140.0 90°	7.0	4.9	90°	10.0	-70.0	10.0
W15 -70.0	2	140.0 -90°	7.0	4.9	90°	-10.0	70.0	-10.0
W36 -40.0	1	80.0 -90°	7.0	4.9	90°	-10.0	40.0	-10.0
W36 40.0	2	80.0 90°	7.0	4.9	90°	10.0	-40.0	10.0
W16 -45.0	1	90.0 -90°	7.0	4.9	90°	-10.0	45.0	-10.0
W16 45.0	2	90.0 90°	7.0	4.9	90°	10.0	-45.0	10.0



W17	1	160.0	7.0	4.9	90°	-10.0	80.0	-10.0
-80.0		-90°						
W17	2	160.0	7.0	4.9	90°	10.0	-80.0	10.0
80.0		90°						
W18	1	140.0	7.0	4.9	90°	10.0	-70.0	10.0
70.0		90°						
W18	2	140.0	7.0	4.9	90°	-10.0	70.0	-10.0
-70.0		-90°						
W37	1	80.0	7.0	4.9	90°	-10.0	40.0	-10.0
-40.0		-90°						
W37	2	80.0	7.0	4.9	90°	10.0	-40.0	10.0
40.0		90°						

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 Inizio delle verifiche automatiche  
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 Forze agenti sulle bullonature ai differenti estremi, riferimento globale  
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Id	Ist	Combi	Est	Fx (kg)	Fy (kg)	Fz (kg)	Mx ( kg mm)	My ( kg mm)	Mz ( kg mm)
B1	1	1	1	-0.0	3062.8	-13169.8	-3671192.9	-2.4	-29.1
B1	1	1	2	0.0	-3062.8	13169.8	3735511.2	3.4	29.1
B2	1	1	1	-0.1	3062.6	-13185.1	-3671194.4	-1.8	49.0
B2	1	1	2	0.1	-3062.6	13185.1	3735509.8	3.3	-49.0
B3	1	1	1	0.4	9142.1	-7073.6	78405.0	203.1	20.6
B3	1	1	2	-0.4	-9142.1	7073.6	58726.7	-209.8	-20.6
B4	1	1	1	-0.4	-7073.6	-9142.1	-47726.4	-26.0	-168.6
B4	1	1	2	0.4	7073.6	9142.1	-76061.8	33.8	168.6
B5	1	1	1	-55.8	1508.6	8650.9	8045.1	1248.1	-0.0
B5	1	1	2	55.8	-1508.6	-8650.9	23636.6	-77.4	0.0
B6	1	1	1	55.4	1508.1	8657.6	8033.6	-1227.9	0.0
B6	1	1	2	-55.4	-1508.1	-8657.6	23635.5	64.0	-0.0

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 Azioni interne compressive sulle bullonature  
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Id	Ist	Combi	Sez	NT (kg)	TuT (kg)	TvT (kg)	MtT ( kg mm)	MuT ( kg mm)	MvT ( kg mm)
B1	1	1	1	-13169.8	-0.0	3062.8	-29.1	-3694163.8	-2.8
B2	1	1	1	-13185.1	-0.1	3062.6	49.0	-3694164.2	-2.3
B3	1	1	1	-7073.6	0.4	9142.1	20.6	9839.1	206.4
B4	1	1	1	-9142.1	-0.4	-7073.6	-168.6	5325.7	-29.3
B5	1	1	1	8650.9	-55.8	1508.6	-0.0	-3269.8	830.0
B6	1	1	1	8657.6	55.4	1508.1	0.0	-3276.8	-812.2

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 Azioni interne nei bulloni su varie sezioni e sfruttamenti  
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Ist MvB	Combi	Nome MB	Bull Expl	-?- causa	NB (kg)	NTB (kg)	TuB (kg)	TvB (kg)	TB (kg)	MuB ( kg mm)
0.0	1	1 B1	1 1	0.316 ader	3307.4	3307.4	-0.2	1531.4	1531.4	575.8
0.0	1	1 B1	2 1	0.090 resis	0.0	0.0	0.1	1531.4	1531.4	575.8
0.0	1	1 B2	1 1	0.316 ader	3300.6	3300.6	0.2	1531.3	1531.3	575.3
0.0	1	1 B2	2 1	0.090 resis	0.0	0.0	-0.2	1531.3	1531.3	575.3
0.3	1	1 B3	1 1	0.448 resis	-3535.8	-3535.8	0.2	4571.0	4571.0	4919.6
0.3	1	1 B3	2 1	0.448 resis	-3537.8	-3537.8	0.2	4571.2	4571.2	4919.6
0.0	1	1 B4	1 1	0.290 resis	0.0	0.0	-0.2	-3536.0	3536.0	144.3
0.0	1	1 B4	2 1	0.290 resis	0.0	0.0	-0.2	-3537.6	3537.6	144.3
509.9	1	1 B5	1 1	0.761 ader	8657.3	8657.3	-55.8	1508.6	1509.7	2086.7
493.5	1	1 B6	1 1	0.761 ader	8664.1	8664.1	55.4	1508.1	1509.1	2092.6

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 Sforzo normale nei bulloni e nella superficie di contrasto per bullonature che hanno una superficie di contrasto  
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Int	Combi	Nome	Posizione	x (mm)	y (mm)	epsilon (---)	sforzo ( kg/ mm <sup>2</sup> )
1	1	B1 POLI	1 POINT	97.5	-185.0	0.000382164	0.0
1	1	B1 POLI	1 POINT	97.5	275.0	-0.000355903	-0.8
1	1	B1 POLI	1 POINT	-97.5	275.0	-0.000355905	-0.8
1	1	B1 POLI	1 POINT	-97.5	-185.0	0.000382162	0.0
1	1	B1 Bolt#	1 Bolt#	0.0	-115.0	0.000269848	5.8
1	1	B1 Bolt#	2 Bolt#	0.0	115.0	-9.91851e-005	0.0
1	1	B2 POLI	1 POINT	97.5	-185.0	0.000381496	0.0
1	1	B2 POLI	1 POINT	97.5	275.0	-0.000355813	-0.8
1	1	B2 POLI	1 POINT	-97.5	275.0	-0.000355814	-0.8
1	1	B2 POLI	1 POINT	-97.5	-185.0	0.000381494	0.0
1	1	B2 Bolt#	1 Bolt#	0.0	-115.0	0.000269296	5.8
1	1	B2 Bolt#	2 Bolt#	0.0	115.0	-9.93585e-005	0.0
1	1	B4 POLI	1 POINT	-200.0	52.0	-0.000135367	-0.3
1	1	B4 POLI	1 POINT	-200.0	-106.0	2.13301e-007	0.0
1	1	B4 POLI	1 POINT	200.0	-106.0	2.19809e-007	0.0
1	1	B4 POLI	1 POINT	200.0	52.0	-0.000135361	-0.3
1	1	B4 Bolt#	1 Bolt#	-100.0	0.0	-9.07442e-005	0.0
1	1	B4 Bolt#	2 Bolt#	100.0	0.0	-9.0741e-005	0.0
1	1	B5 POLI	1 POINT	-60.0	-70.0	0.0010227	0.0
1	1	B5 POLI	1 POINT	60.0	-70.0	0.000913134	0.0

1	1	B5	POLI	1	POINT	3	60.0	185.0	-3.97347e-005	-0.1
1	1	B5	POLI	1	POINT	4	-60.0	185.0	6.98301e-005	0.0
1	1	B5			Bolt#	1	0.0	0.0	0.000706345	15.1
1	1	B6	POLI	1	POINT	1	-60.0	-70.0	0.000916182	0.0
1	1	B6	POLI	1	POINT	2	60.0	-70.0	0.00102222	0.0
1	1	B6	POLI	1	POINT	3	60.0	185.0	6.66923e-005	0.0
1	1	B6	POLI	1	POINT	4	-60.0	185.0	-3.9347e-005	-0.1
1	1	B6			Bolt#	1	0.0	0.0	0.0007069	15.1

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Azioni interne complessive sulle saldature  
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Id	Ist	Combi	NT (kg)	TuT (kg)	TvT (kg)	MtT ( kg mm)	MuT ( kg mm)	MvT ( kg mm)
W4	1	1	0.0	-0.0	-0.0	0.0	-0.0	-0.0
W5	1	1	0.0	-0.0	0.0	-0.0	0.0	-0.0
W6	1	1	-0.0	0.0	0.0	0.0	0.0	0.0
W7	1	1	-0.0	-0.0	-0.0	0.0	-0.0	-0.0
W8	1	1	0.0	-0.0	0.0	-0.0	0.0	-0.0
W9	1	1	-0.0	0.0	0.0	0.0	0.0	0.0
W19	1	1	-0.0	-0.0	0.0	0.0	-0.0	-0.0
W20	1	1	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
W21	1	1	0.0	0.0	-0.0	-0.0	-0.0	0.0
W22	1	1	0.0	-0.0	-0.0	-0.0	-0.0	-0.0
W23	1	1	-0.0	0.0	-0.0	0.0	-0.0	0.0
W24	1	1	0.0	-0.0	-0.0	0.0	-0.0	-0.0
W25	1	1	-1822.1	347.4	-3433.5	240976.8	14743.3	-12831.9
W26	1	1	-1877.0	-374.1	-3836.5	-232083.7	15171.9	20538.7
W10	1	1	3633.8	-836.6	-1149.5	83.5	68805.9	-4323.6
W11	1	1	-3982.3	-1710.1	1520.9	-516.4	137539.4	-4285.7
W12	1	1	1320.3	1765.0	849.7	58.7	93210.2	3036.1
W31	1	1	501.2	891.5	-1350.1	73.6	-15307.6	1555.7
W32	1	1	1346.1	950.3	-753.9	-262.2	108100.2	4717.9
W33	1	1	-1625.3	1907.8	619.4	491.6	61840.8	3355.2
W34	1	1	739.1	-1950.4	428.2	-92.6	41403.7	-3363.6
W35	1	1	149.0	-992.8	-634.2	-69.1	-6755.1	-1729.7
W13	1	1	3475.0	931.9	-1178.5	-263.8	91198.5	4684.5
W14	1	1	-3807.5	1870.6	1446.4	485.2	132579.9	3288.5
W15	1	1	1321.3	-1912.8	812.0	-94.6	89101.5	-3297.3
W36	1	1	479.4	-974.0	-1303.6	-69.8	-14610.0	-1697.0
W16	1	1	1583.6	-1019.4	-728.4	78.0	81039.8	-4639.6
W17	1	1	-1833.7	-2080.6	698.8	-541.3	67279.4	-3659.3
W18	1	1	749.0	2155.2	444.5	102.8	45111.9	3716.9
W37	1	1	194.4	1093.9	-678.2	76.1	-7375.3	1905.8

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Sforzi nei cordoni, sfruttamenti  
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Ist	Combi	Nome Cord	nPer ( kg/ mm <sup>2</sup> )	tPar ( kg/ mm <sup>2</sup> )	tPer ( kg/ mm <sup>2</sup> )	forza ( kg/ mm)	Causa	Ext	Expl
1	1	W4 1	0.0	-0.0	0.0	0.0	3	1	0.000
1	1	W4 2	0.0	0.0	-0.0	0.0	3	2	0.000
1	1	W5 1	0.0	-0.0	-0.0	0.0	3	1	0.000
1	1	W5 2	0.0	0.0	0.0	0.0	3	2	0.000
1	1	W6 1	0.0	-0.0	0.0	0.0	3	1	0.000
1	1	W6 2	-0.0	0.0	-0.0	0.0	3	1	0.000
1	1	W7 1	0.0	-0.0	0.0	0.0	3	1	0.000
1	1	W7 2	-0.0	0.0	-0.0	0.0	3	1	0.000
1	1	W8 1	0.0	-0.0	-0.0	0.0	3	1	0.000
1	1	W8 2	0.0	0.0	0.0	0.0	3	2	0.000

1	1	W9	1	0.0	-0.0	0.0	0.0	3	1	0.000
1	1	W9	2	-0.0	0.0	-0.0	0.0	3	1	0.000
1	1	W19	1	-0.0	0.0	0.0	0.0	3	2	0.000
1	1	W19	2	-0.0	-0.0	-0.0	0.0	3	1	0.000
1	1	W20	1	-0.0	-0.0	0.0	0.0	3	2	0.000
1	1	W20	2	-0.0	0.0	-0.0	0.0	3	1	0.000
1	1	W21	1	0.0	-0.0	-0.0	0.0	3	1	0.000
1	1	W21	2	0.0	0.0	0.0	0.0	3	2	0.000
1	1	W22	1	0.0	-0.0	0.0	0.0	3	1	0.000
1	1	W22	2	-0.0	0.0	-0.0	0.0	3	1	0.000
1	1	W23	1	-0.0	-0.0	-0.0	0.0	3	2	0.000
1	1	W23	2	-0.0	0.0	0.0	0.0	3	1	0.000
1	1	W24	1	0.0	-0.0	0.0	0.0	3	1	0.000
1	1	W24	2	0.0	0.0	-0.0	0.0	3	2	0.000
1	1	W25	1	-1.6	0.1	-2.5	21.2	1	1	0.168
1	1	W25	2	0.4	-0.0	2.5	18.1	1	2	0.158
1	1	W26	1	-1.7	-0.2	-2.6	21.9	1	2	0.172
1	1	W26	2	0.4	0.1	2.6	18.4	1	1	0.161
1	1	W10	1	8.7	1.3	-0.9	44.0	3	1	0.373
1	1	W10	2	9.7	-1.3	0.9	48.7	3	2	0.413
1	1	W11	1	-4.2	-0.7	-0.8	30.6	3	2	0.182
1	1	W11	2	-3.9	0.7	0.8	28.3	3	1	0.168
1	1	W12	1	3.6	0.6	-1.3	19.2	3	2	0.163
1	1	W12	2	4.1	-0.6	1.3	21.3	3	1	0.180
1	1	W31	1	2.3	1.7	1.1	15.2	3	2	0.129
1	1	W31	2	1.9	-1.7	-1.1	13.8	3	1	0.117
1	1	W32	1	8.4	0.8	1.0	42.0	3	1	0.356
1	1	W32	2	7.4	-0.8	-1.0	37.3	3	2	0.316
1	1	W33	1	-2.3	-0.4	1.2	12.9	3	2	0.110
1	1	W33	2	-2.7	0.4	-1.2	14.8	3	1	0.126
1	1	W34	1	2.1	0.3	1.4	12.4	3	2	0.105
1	1	W34	2	1.6	-0.3	-1.4	10.5	3	1	0.089
1	1	W35	1	-0.7	0.8	-1.2	8.1	3	1	0.068
1	1	W35	2	1.0	-0.8	1.3	9.0	3	1	0.077
1	1	W13	1	9.5	1.2	1.0	47.7	3	1	0.404
1	1	W13	2	8.6	-1.2	-1.0	43.1	3	2	0.365
1	1	W14	1	-5.3	-0.9	1.2	27.4	3	2	0.233
1	1	W14	2	-5.8	0.9	-1.2	29.4	3	1	0.250
1	1	W15	1	3.9	0.6	1.4	20.9	3	2	0.177
1	1	W15	2	3.5	-0.6	-1.4	18.7	3	1	0.159
1	1	W36	1	1.8	1.6	-1.2	13.4	3	2	0.114
1	1	W36	2	2.2	-1.6	1.2	14.9	3	1	0.127
1	1	W16	1	7.3	0.8	-1.1	36.9	3	1	0.313
1	1	W16	2	8.4	-0.8	1.1	42.0	3	2	0.356
1	1	W17	1	-3.0	-0.4	-1.3	16.3	3	2	0.138
1	1	W17	2	-2.5	0.4	1.3	14.3	3	1	0.121
1	1	W18	1	1.7	0.3	-1.6	11.4	3	2	0.097
1	1	W18	2	2.2	-0.3	1.6	13.4	3	1	0.114
1	1	W37	1	1.2	0.9	1.4	10.0	3	2	0.085

1 1 W37 2 0.7 -0.9 -1.4 8.8 3 1 0.075

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 Informazioni sugli spostamenti convenzionali  
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Massima traslazione (mm)	Istanza	Combinazione	Componente
0.1	1	1	B3

Massima rotazione	Istanza	Combinazione	Componente
7.517e-004(rad)	1	1	B4

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 Risultati di sfruttamento di inviluppo delle membrature  
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Membr.	Sfruttamento	Istanza	Combi	Causa
m1	0.89	1	1	Sezione netta

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 Risultati di sfruttamento di inviluppo dei tramite  
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Tramite	Sfruttamento	Istanza	Combi	Causa
---	0.03	1	1	Schiacciamento in compressione
P1	0.00	1	1	Sezione netta
P3	0.00	1	1	Sezione netta
P7	0.00	1	1	Sezione netta
P8	0.00	1	1	Sezione netta
L1	0.82	1	1	Resistenza generica
P9	0.89	1	1	Sezione netta
P10	0.89	1	1	Sezione netta
P4	0.09	1	1	Sezione netta
P12	0.06	1	1	Sezione netta
P5	0.09	1	1	Sezione netta
P6	0.06	1	1	Sezione netta

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 Risultati di sfruttamento di inviluppo delle bullonature  
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BL	Bull#	Sfruttamento	Istanza	Combi	N (kg)	M ( kg mm)	T (kg)	Causa
B1	1	0.32	1	1	3307.4	575.8	1531.4	Aderenza
B1	2	0.09	1	1	0.0	575.8	1531.4	Resistenza

B2	1	0.32	1	1	3300.6	575.3	1531.3	Aderenza
B2	2	0.09	1	1	0.0	575.3	1531.3	Resistenza
B3	1	0.45	1	1	-3535.8	4919.6	4571.0	Resistenza
B3	2	0.45	1	1	-3537.8	4919.6	4571.2	Resistenza
B4	1	0.29	1	1	0.0	144.3	3536.0	Resistenza
B4	2	0.29	1	1	0.0	144.3	3537.6	Resistenza
B5	1	0.76	1	1	8657.3	2148.1	1509.7	Aderenza
B6	1	0.76	1	1	8664.1	2150.0	1509.1	Aderenza

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Risultati di sfruttamento di involuppo delle saldature  
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WL	Cordone	Sfruttamento	Istanza	Combi	Causa
W4	1	0.00	1	1	Resistenza
W4	2	0.00	1	1	Resistenza
W5	1	0.00	1	1	Resistenza
W5	2	0.00	1	1	Resistenza
W6	1	0.00	1	1	Resistenza
W6	2	0.00	1	1	Resistenza
W7	1	0.00	1	1	Resistenza
W7	2	0.00	1	1	Resistenza
W8	1	0.00	1	1	Resistenza
W8	2	0.00	1	1	Resistenza
W9	1	0.00	1	1	Resistenza
W9	2	0.00	1	1	Resistenza
W19	1	0.00	1	1	Resistenza
W19	2	0.00	1	1	Resistenza
W20	1	0.00	1	1	Resistenza
W20	2	0.00	1	1	Resistenza
W21	1	0.00	1	1	Resistenza
W21	2	0.00	1	1	Resistenza
W22	1	0.00	1	1	Resistenza
W22	2	0.00	1	1	Resistenza
W23	1	0.00	1	1	Resistenza
W23	2	0.00	1	1	Resistenza
W24	1	0.00	1	1	Resistenza
W24	2	0.00	1	1	Resistenza
W25	1	0.17	1	1	Resistenza
W25	2	0.16	1	1	Resistenza
W26	1	0.17	1	1	Resistenza
W26	2	0.16	1	1	Resistenza
W10	1	0.37	1	1	Resistenza
W10	2	0.41	1	1	Resistenza
W11	1	0.18	1	1	Resistenza
W11	2	0.17	1	1	Resistenza
W12	1	0.16	1	1	Resistenza
W12	2	0.18	1	1	Resistenza
W31	1	0.13	1	1	Resistenza
W31	2	0.12	1	1	Resistenza
W32	1	0.36	1	1	Resistenza
W32	2	0.32	1	1	Resistenza
W33	1	0.11	1	1	Resistenza

W33	2	0.13	1	1	Resistenza
W34	1	0.11	1	1	Resistenza
W34	2	0.09	1	1	Resistenza
W35	1	0.07	1	1	Resistenza
W35	2	0.08	1	1	Resistenza
W13	1	0.40	1	1	Resistenza
W13	2	0.37	1	1	Resistenza
W14	1	0.23	1	1	Resistenza
W14	2	0.25	1	1	Resistenza
W15	1	0.18	1	1	Resistenza
W15	2	0.16	1	1	Resistenza
W36	1	0.11	1	1	Resistenza
W36	2	0.13	1	1	Resistenza
W16	1	0.31	1	1	Resistenza
W16	2	0.36	1	1	Resistenza
W17	1	0.14	1	1	Resistenza
W17	2	0.12	1	1	Resistenza
W18	1	0.10	1	1	Resistenza
W18	2	0.11	1	1	Resistenza
W37	1	0.08	1	1	Resistenza
W37	2	0.07	1	1	Resistenza

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Tramite che hanno come massimo sfruttamento quello dovuto al fatto di essere un contrasto

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Inst	Combi	Nome	Blayout	Sigma,B ( kg/ mm <sup>2</sup> )	a (1/ mm)	b (1/ mm)	c (mm)	Expl
1	1	---	B1	-0.8	9.373e-012	-1.604e-006	8.533e-005	0.032

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Membrature il cui massimo sfruttamento è dovuto alla verifica delle sezioni nette

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Inst	Combi	Nome	Sect	N (kg)	T2 (kg)	T3 (kg)	M1 ( kg mm)	M2 ( kg mm)	M3 ( kg mm)	( kg/ mm <sup>2</sup> )
1	1	m1	3	9142.1	0.4	23916.5	1125.4	11293225.0	-20.6	28.0
0.98										

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Tramite il cui massimo sfruttamento è dovuto alle verifiche delle sezioni nette

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Inst fd	Combi Expl	Nome	Sect	N (kg)	T2 (kg)	T3 (kg)	M1 ( kg mm)	M2 ( kg mm)	M3 ( kg mm)	( kg/
28.0	0.000	P1	5	0.0	0.0	0.0	0.0	0.0	0.0	mm <sup>2</sup> )
28.0	0.000	P3	5	0.0	0.0	0.0	0.0	0.0	0.0	
28.0	0.000	P7	5	-0.0	-0.0	0.0	0.0	-0.0	-0.0	
28.0	0.000	P8	5	-0.0	-0.0	0.0	-0.0	-0.0	0.0	
28.0	0.892	P9	11	-741.2	589.2	-5702.2	-24461.4	278930.5	30483.2	
28.0	0.895	P10	11	-829.2	-567.0	-5612.5	24048.3	273898.4	-33616.5	
28.0	0.088	P4	6	1320.3	-849.7	-1765.0	58.7	6230.3	-97671.0	
28.0	0.059	P12	4	739.1	-428.2	1950.4	-92.6	-6876.0	-43651.6	
28.0	0.089	P5	4	1321.3	-812.0	1912.8	-94.6	-6744.7	-93364.3	
28.0	0.064	P6	4	749.0	-444.5	-2155.2	102.8	7597.6	-47445.4	

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Tramite il cui massimo sfruttamento è dovuto alle verifiche semplificate a "trave"

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Inst Expl	Combi	Nome	Sect	N (kg)	T2 (kg)	T3 (kg)	M1 ( kg mm)	M2 ( kg mm)	M3 ( kg mm)
0.816	1	L1	1	9142.1	0.4	-7073.6	203.1	-480410.4	-14.6

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 Fine delle verifiche automatiche  
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