



FIGG Factor of Safety Presentation and Calculations

Miami, FL

HWY18MH009

(403 pages)

**INFORMATION FOR THE
NATIONAL TRANSPORTATION SAFETY BOARD**

**FIU Pedestrian Bridge
Miami, Florida**

**FACTUAL INFORMATION
FROM RELEASED FOR CONSTRUCTION (RFC) PLANS**

PYLON END OF MAIN SPAN SUPERSTRUCTURE

Information Provided By Figg Bridge Engineers, Inc.
March 13, 2019

Factual Background on Released for Construction (RFC) Plans

- ▶ Primary documentation for the bridge design is the RFC plans that were used for construction.
- ▶ Submitted design calculations are a record of the process used to create the design plans during various stages of evaluation over approximately 14 month period.
- ▶ During these stages, submittals were made to the Florida Department of Transportation (FDOT). FDOT along with their consultants including AECOM reviewed and commented.
 - 30% Preliminary Design Review – Plans Submitted
 - 90% Design Review – Plans and Calculations Submitted
 - 100% Design Review – Plans and Calculations Submitted
 - Release for Construction (RFC) Review – Plans Submitted

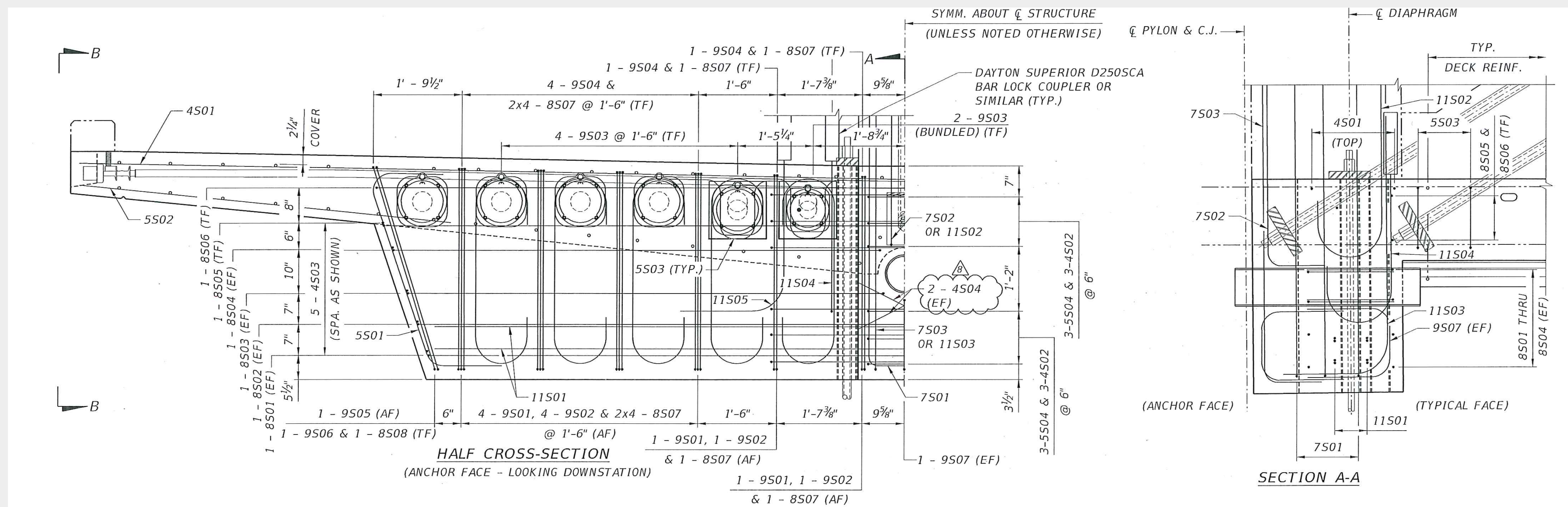
Factual Background on Released for Construction (RFC) Plans (Con't.)

- ▶ All comments were resolved to FDOT satisfaction in a written documented table before RFC plans were released for construction. 325 comments were resolved.
- ▶ Final RFC Plans reflect the final design and contain more than the results of calculations, they contain:
 - Changes due to detailing requirements and preferences as the drawings are developed.
 - Modifications in response to review comments.
 - Later updates to the design not documented in the initial calculations.

Factual Information on Released for Construction (RFC) Plans

OBJECTIVE: Extract the actual forces and capacities of the main span as shown in RFC plans, independent of submitted design calculations.

- ▶ Focus on key elements at the main span pylon (north end) up until the construction incident occurred.
- ▶ Focus on RFC Plan details with data on the Factor of Safety at specific locations in the structure during construction stages.



Factual Criteria Utilized

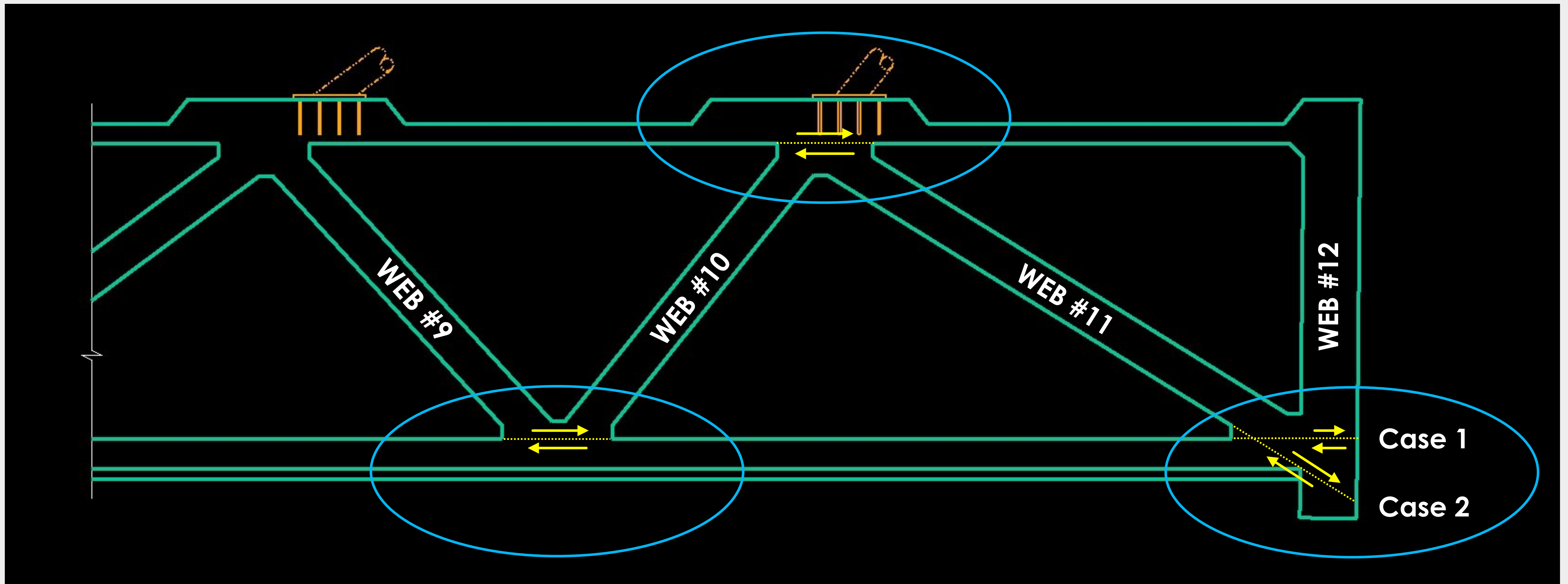
- ▶ AASHTO LRFD with 2015 Interims.
- ▶ Erection schematics as provided in Released for Construction (RFC) Plans.
- ▶ Material properties from RFC Plans.
- ▶ Dimensional details from RFC Plans.
- ▶ Reinforcement and post-tensioning as shown in RFC Plans.
- ▶ Temporary support conditions at pylon (as outlined in Construction RFI #15).

Approach to the Factual Checks

- ▶ For each key element, calculate the Factor of Safety for the construction phases through March 15, 2018.
- ▶ Factor of Safety is the ratio of calculated capacity divided by the calculated load: **FACTOR OF SAFETY = $\frac{\text{CAPACITY}}{\text{LOAD}}$**
- ▶ Capacity calculated per AASHTO LRFD Design Code without applying any PHI factors (Reduction Factors).
- ▶ Demand calculated as actual loads without applying any load multipliers (Load Factors).
- ▶ Result is a comparison of actual capacity to actual load.
- ▶ A Factor of Safety greater than 1 indicates that the element strength is greater than the applied load.

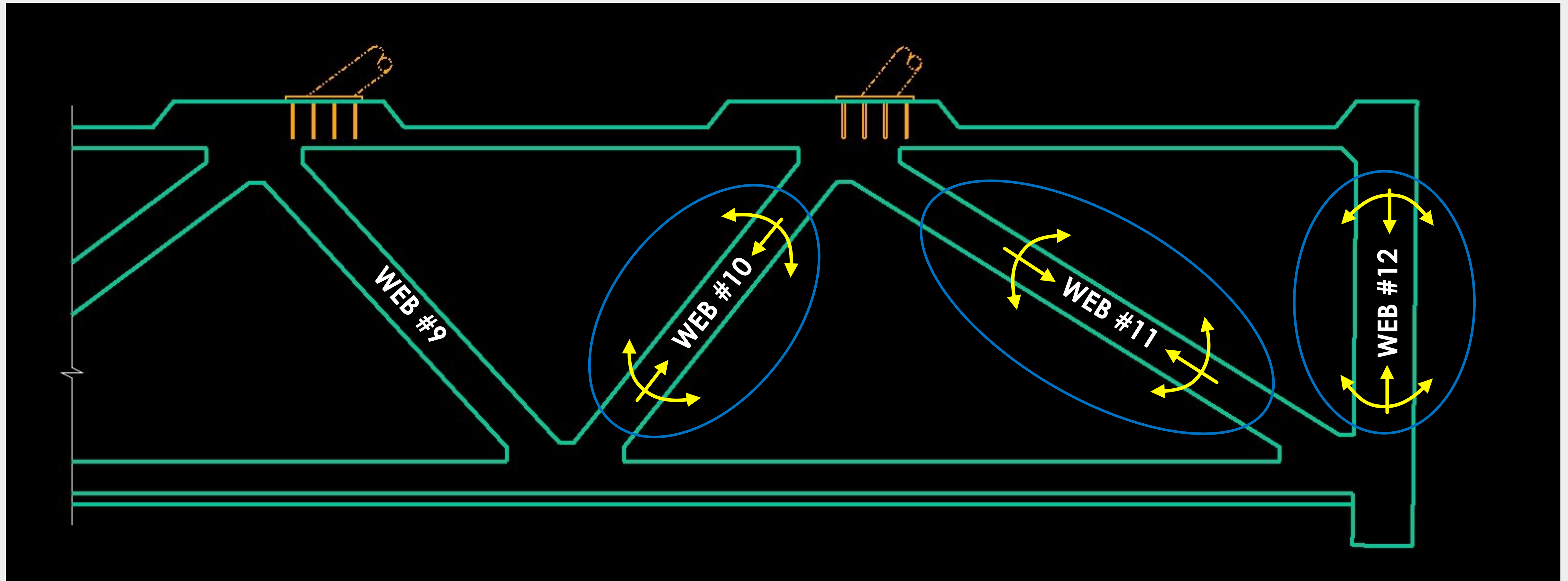
Factual Checks Performed

Shear friction at the web/deck and web/canopy intersections
(with construction joint surfaces intentionally roughened as required).



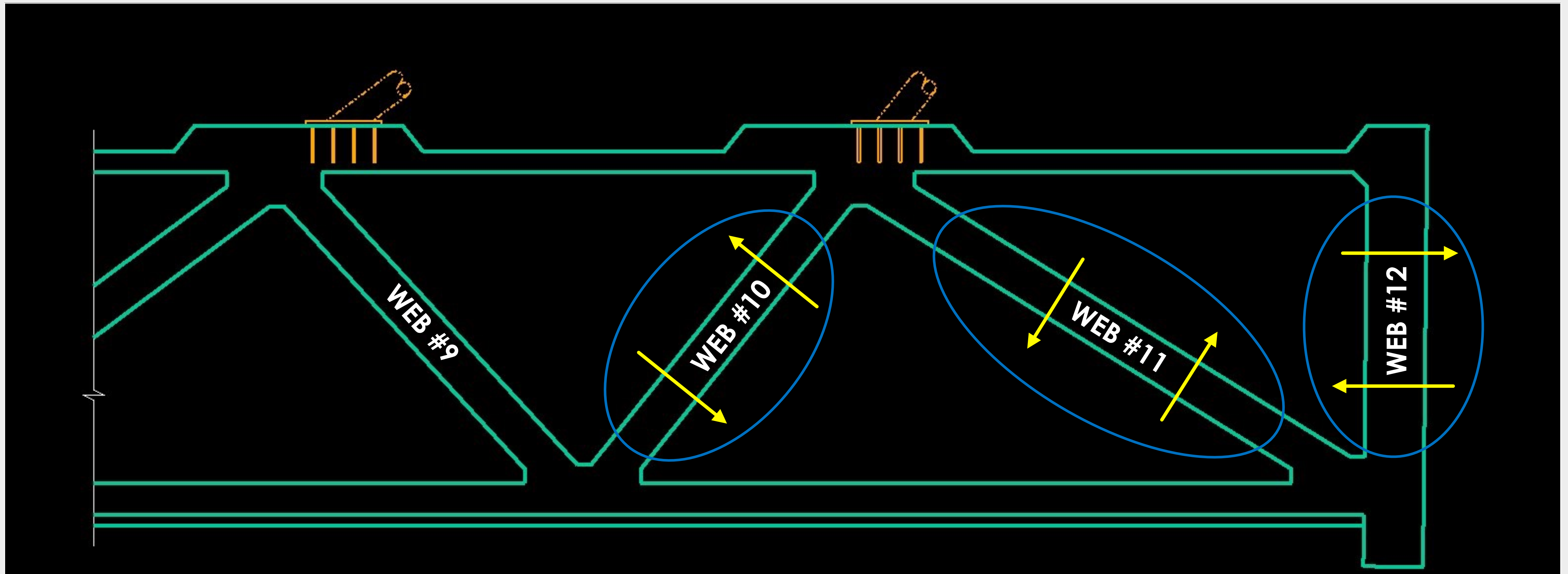
Factual Checks Performed

Bending and axial force in the web members.



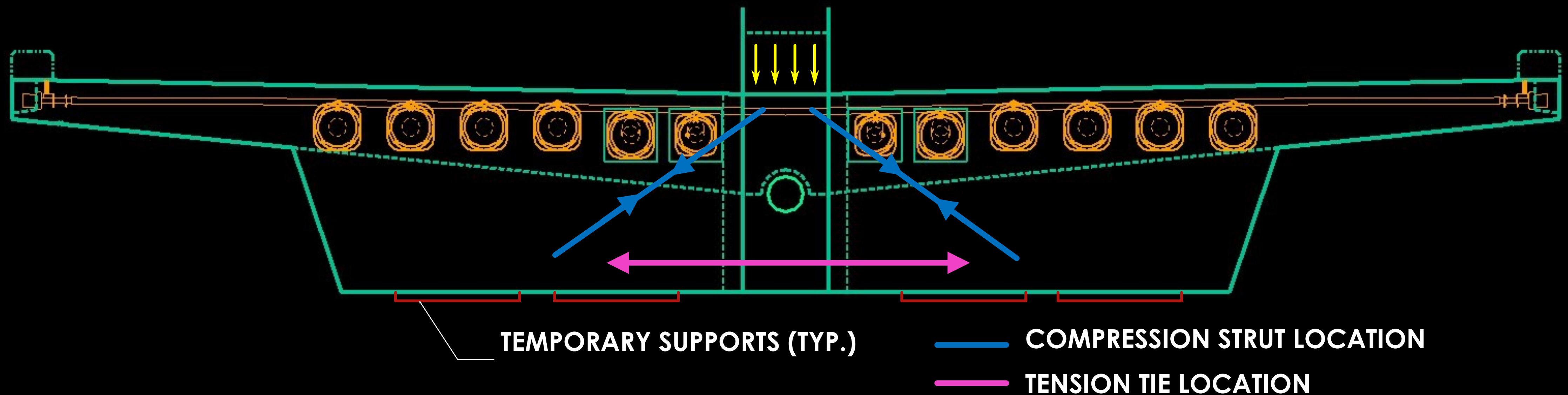
Factual Checks Performed

Shear in the web members.



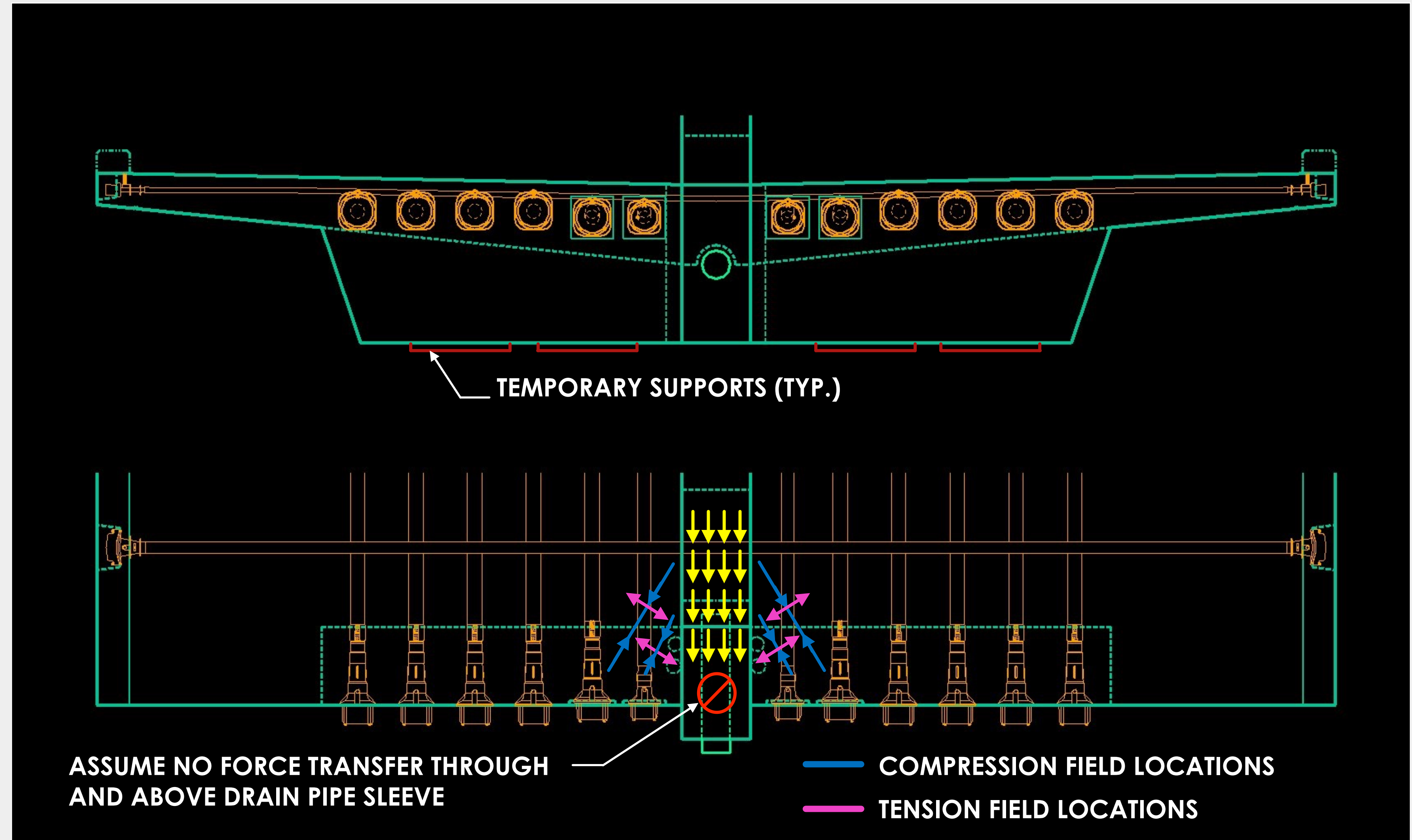
Factual Checks Performed

Transfer of vertical web strut forces at the top of the end support diaphragm to the temporary vertical supports.



Factual Checks Performed

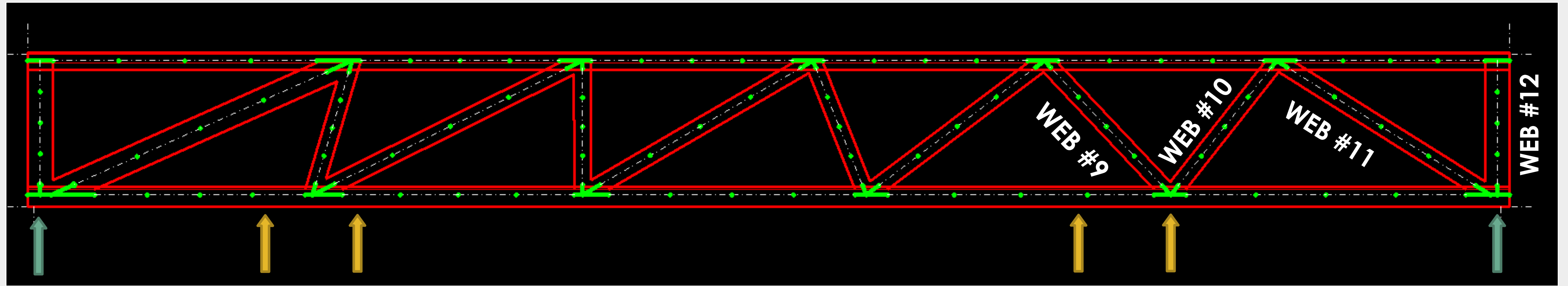
Transfer of horizontal web strut forces at the top of end support diaphragm to the longitudinal post-tensioning anchorages.



Computer Models Utilized (Independent From Design Models)

- ▶ 2D LARSA beam model was utilized for the shear friction, web bending, web axial force and web shear force checks. Model included staged construction for both the structure and the post-tensioning.
- ▶ For vertical transfer of web forces into the diaphragm hand calculations were used.
- ▶ 3D LARSA plate model was utilized for horizontal transfer of web forces into the diaphragm. Model included end region of deck and diaphragm accounting for transverse and longitudinal post-tensioning.

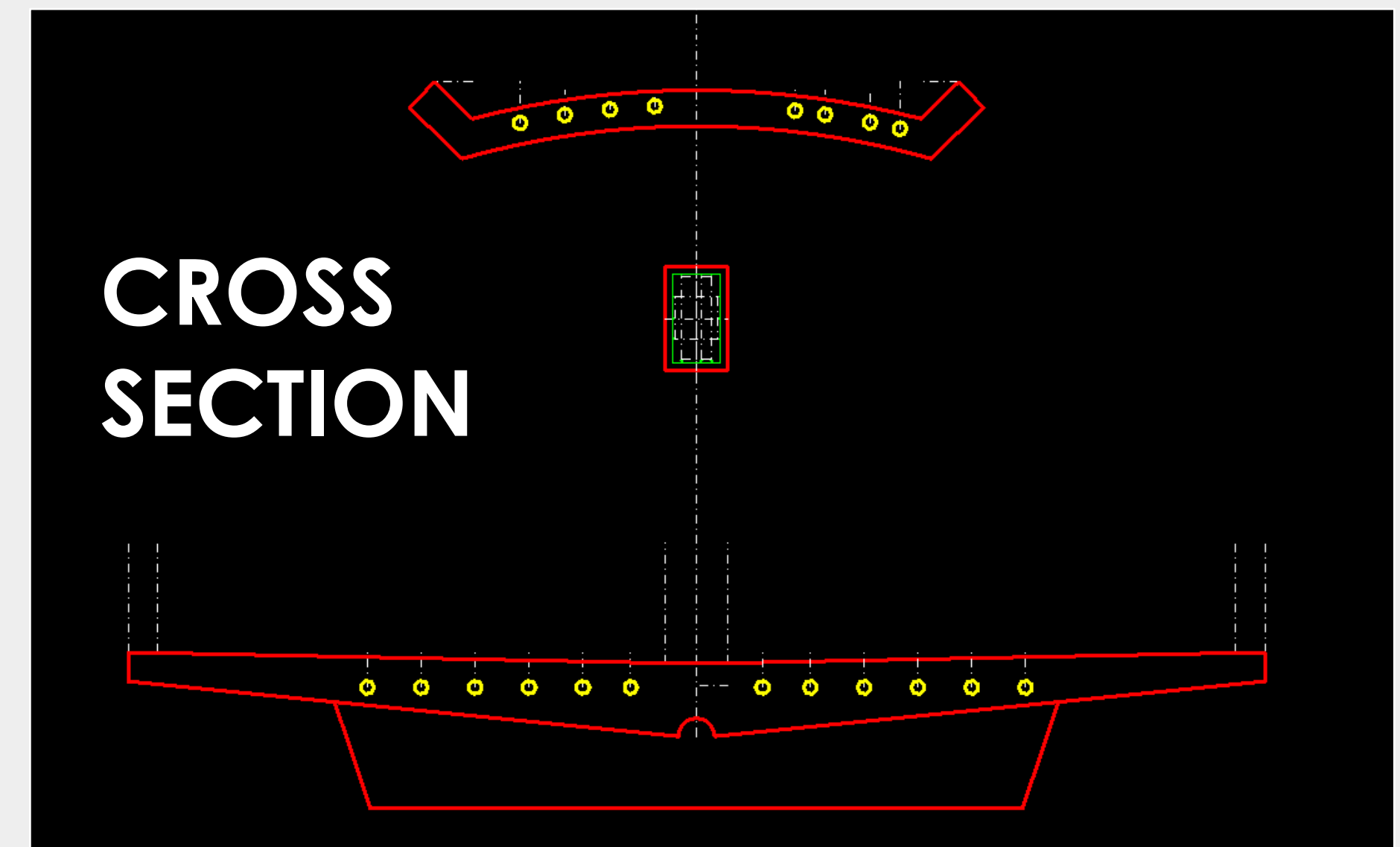
Beam Model – Working File



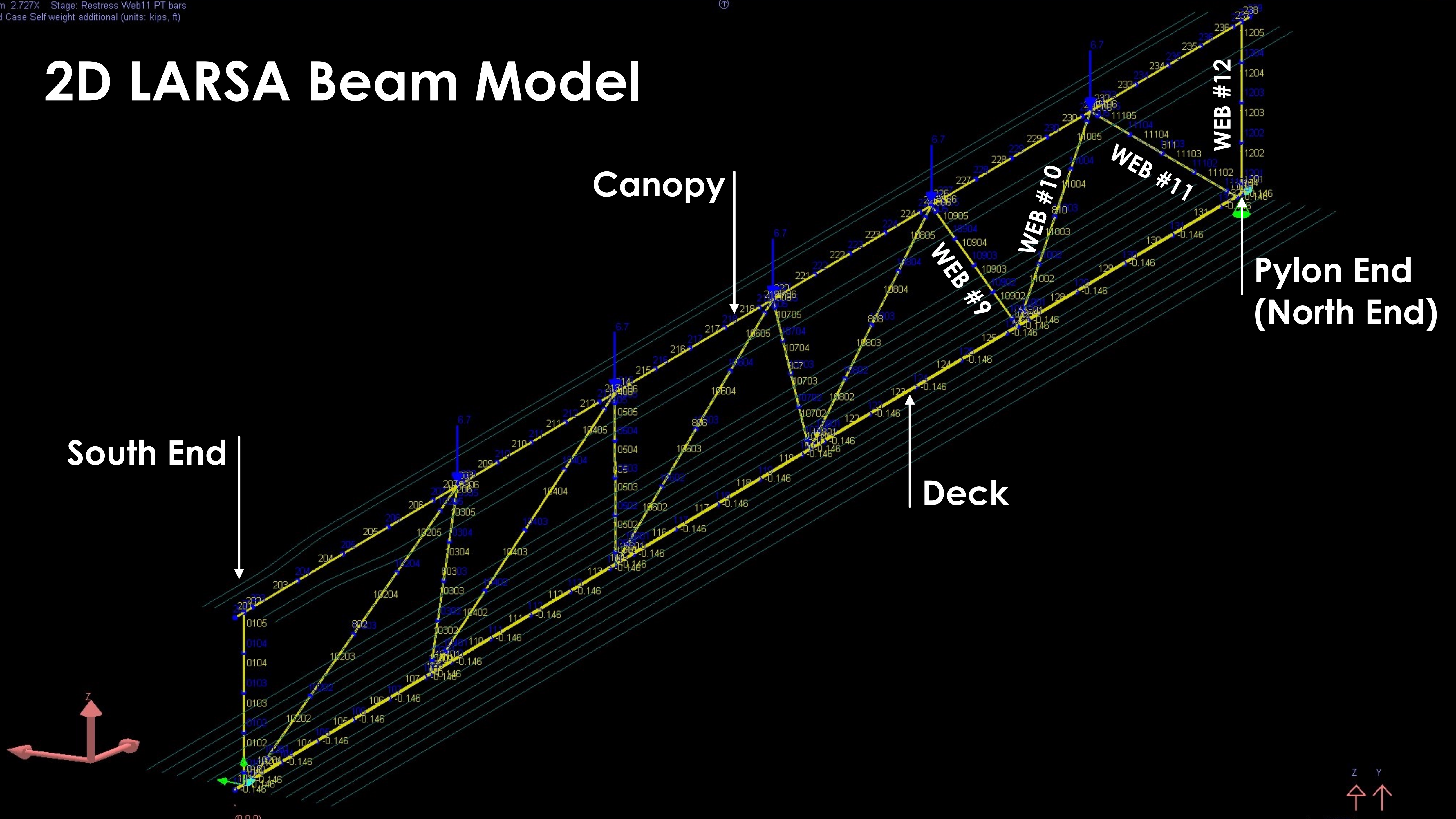
South End

Pylon End - North End

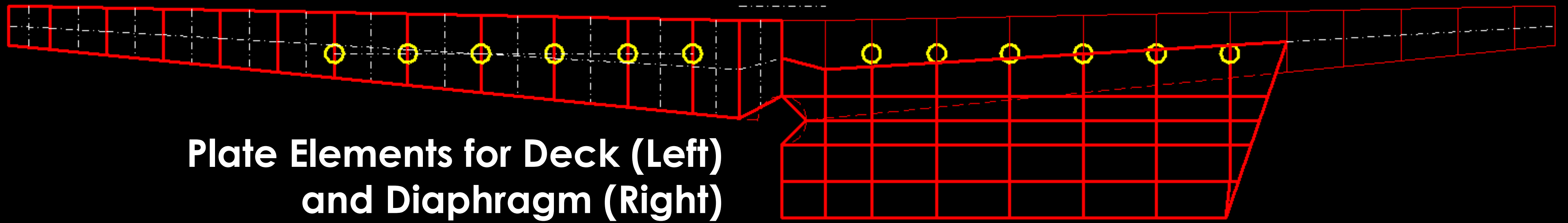
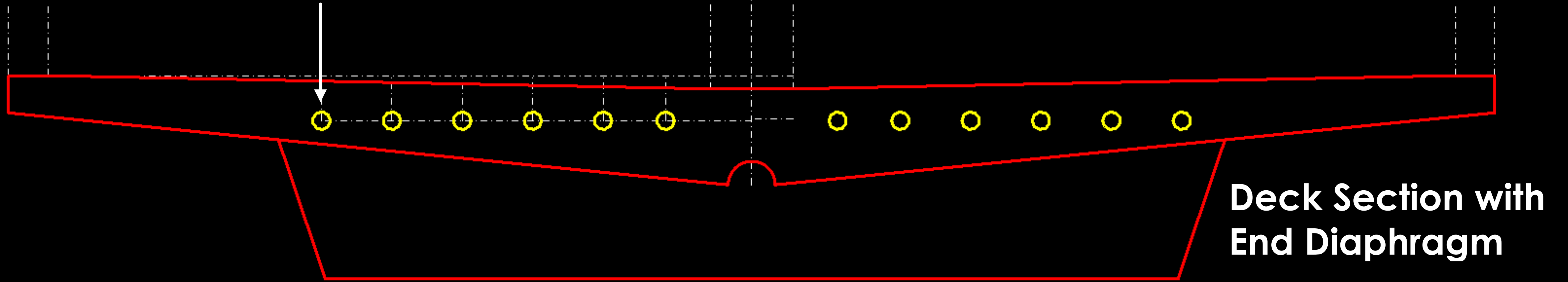
- ↑ Hauling (temporary) supports
- ↑ Permanent (final end) supports
- Longitudinal Post-tensioning



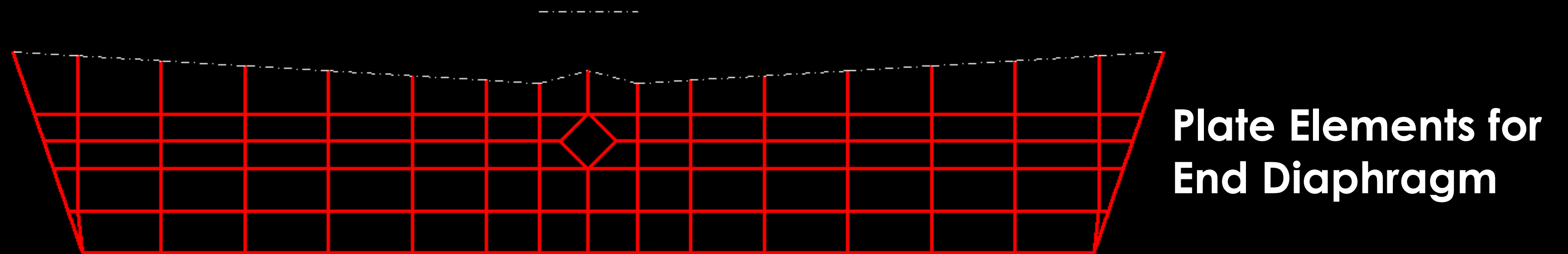
2D LARSA Beam Model



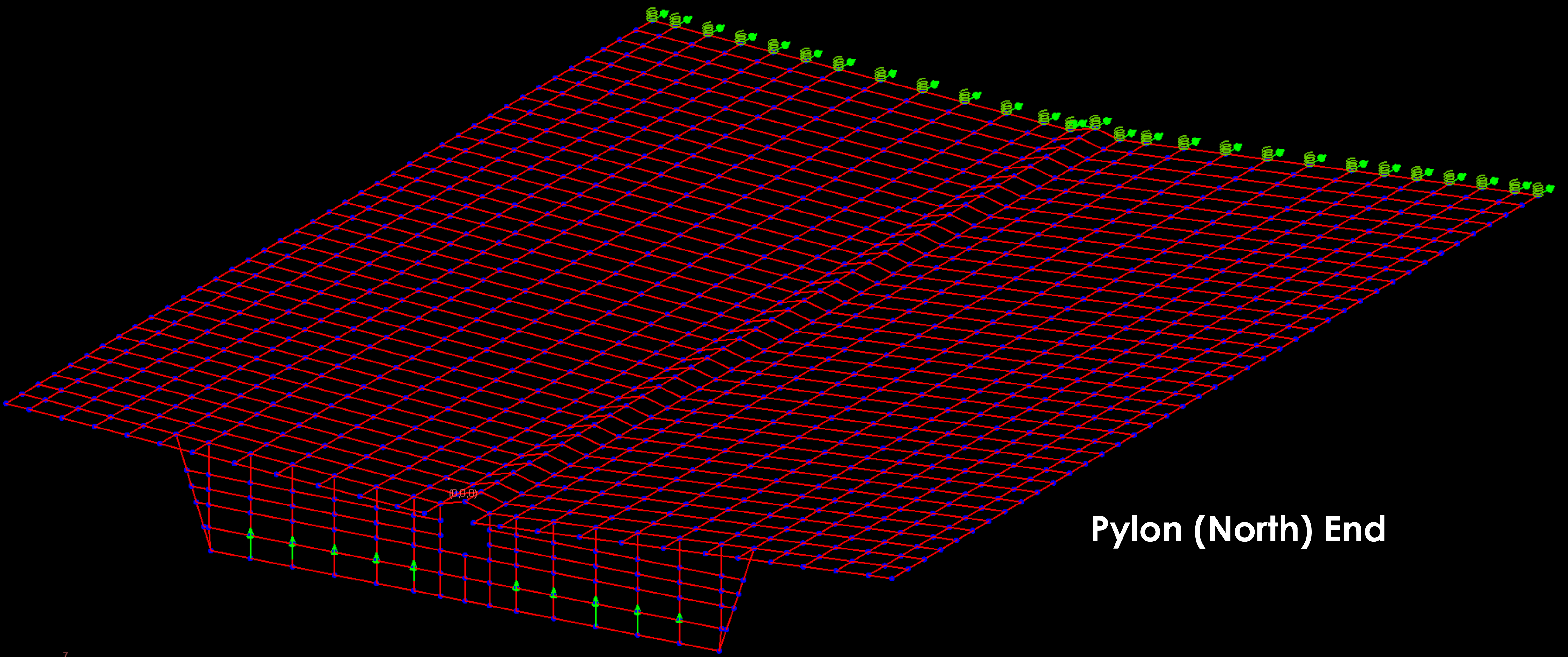
Longitudinal Post-tensioning



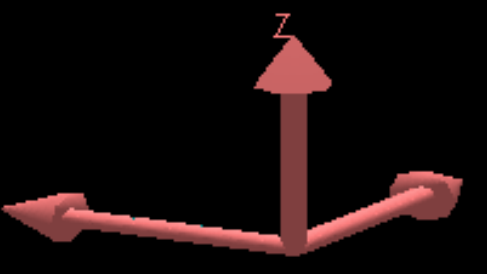
3D LARSA
Plate Model -
Working File



3D LARSA Plate Model



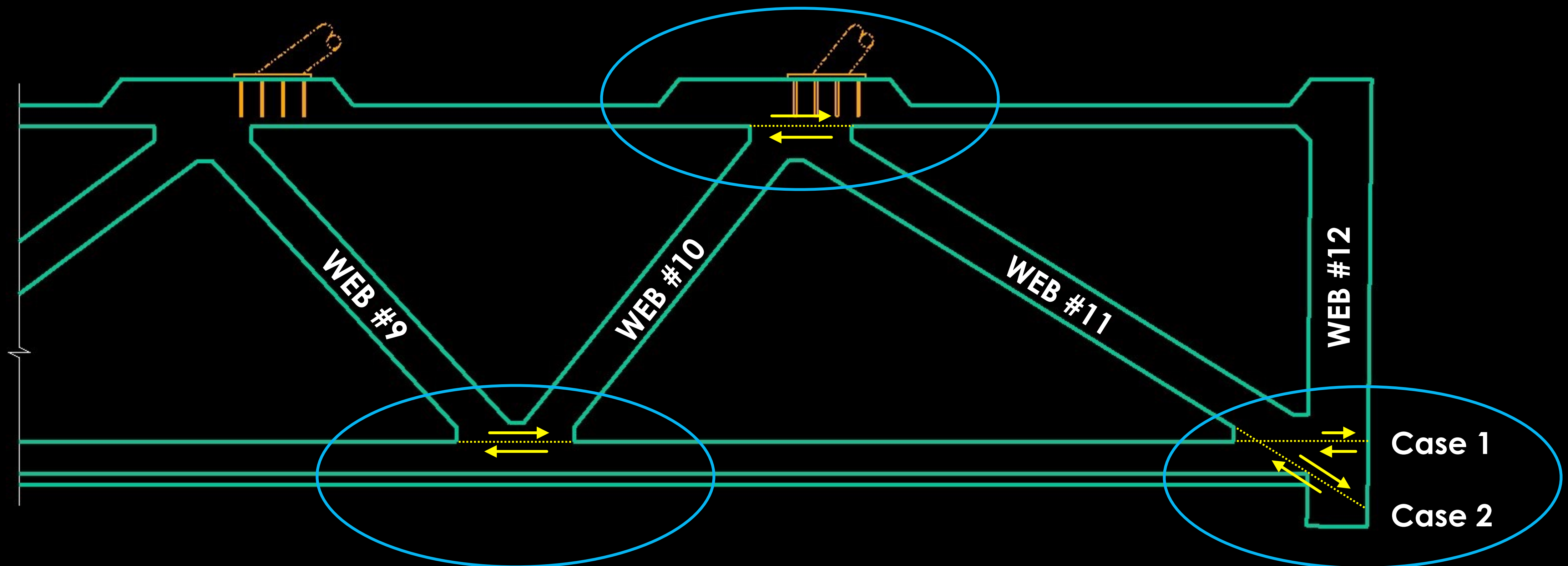
Pylon (North) End



Local/UCS Axes

Shear Friction at Web/Deck and Web/Canopy Interfaces

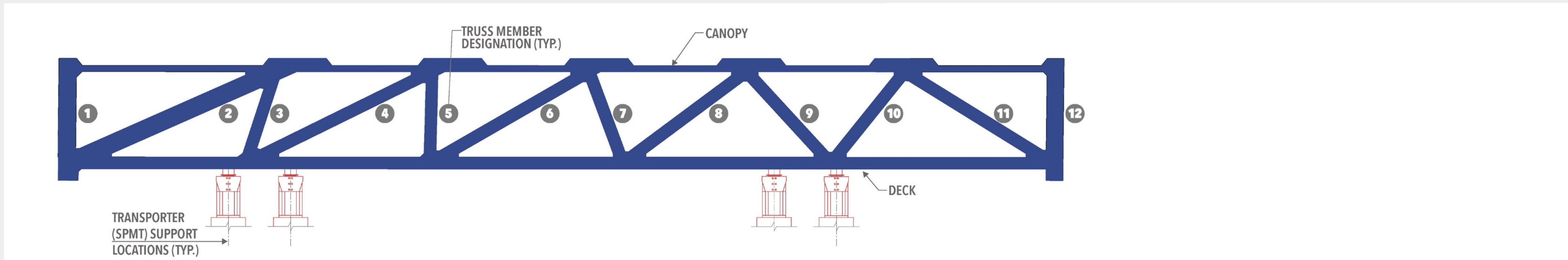
- ▶ Web 9/10 interface checked
- ▶ Web 10/11 interface checked
- ▶ Web 11/12 interface checked (two interfaces)



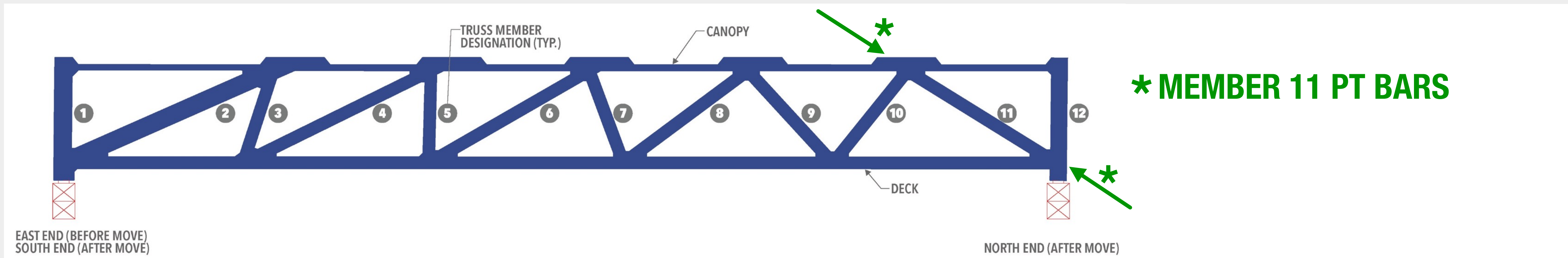
Shear Friction at Web/Deck and Web/Canopy Interfaces

Load cases checked

- When temporarily supported on hauler with PT bars stressed in Web 11 (Case T)



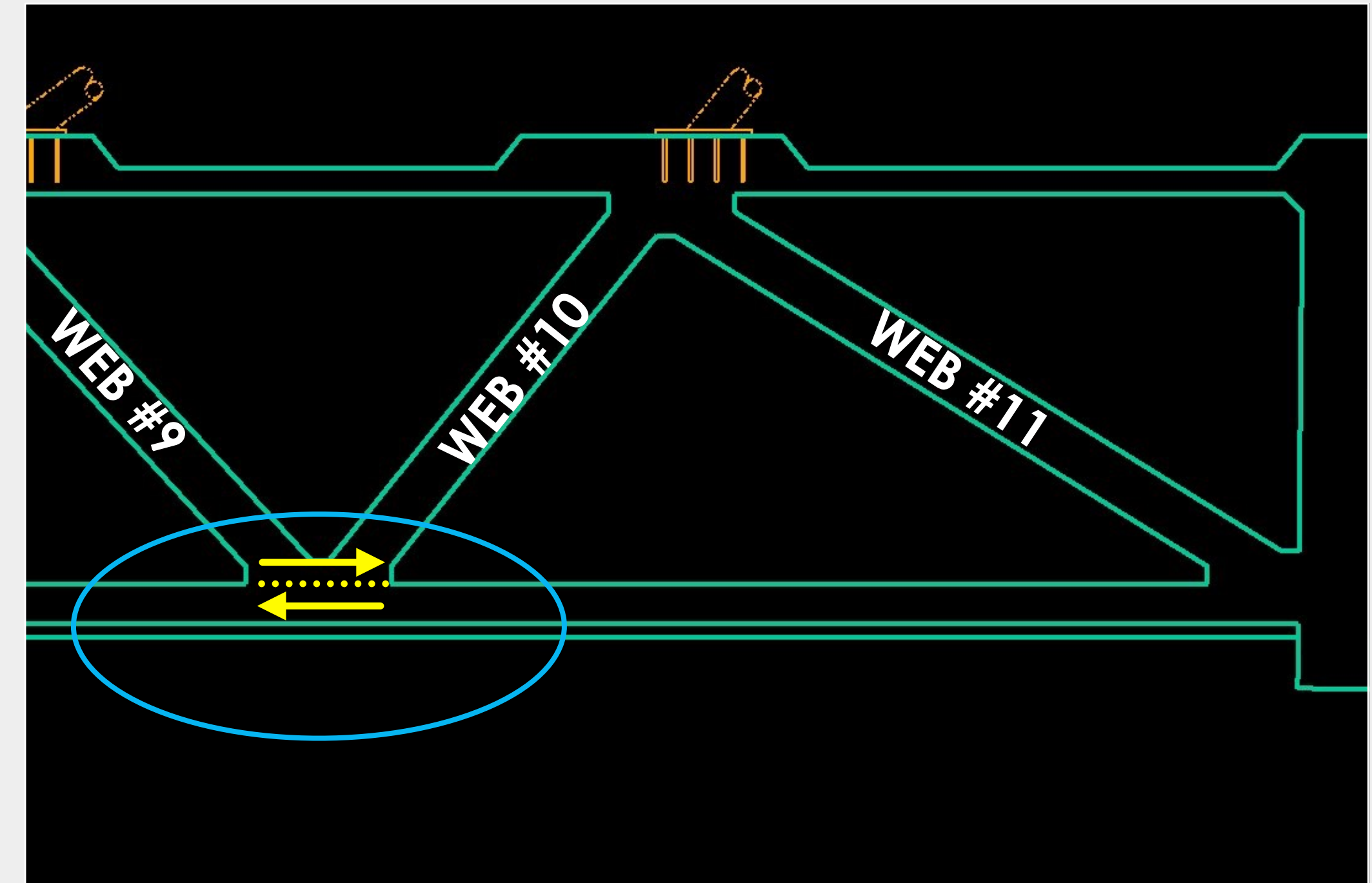
- When supported at final end location with PT bars stressed in Web 11 (Case A)
- When supported at final end location with PT bars de-tensioned in Web 11 (Case B)
- When supported at final end location with PT bars re-tensioned in Web 11 (Case C)



Factors of Safety

Deck and Web 9/10 Interface

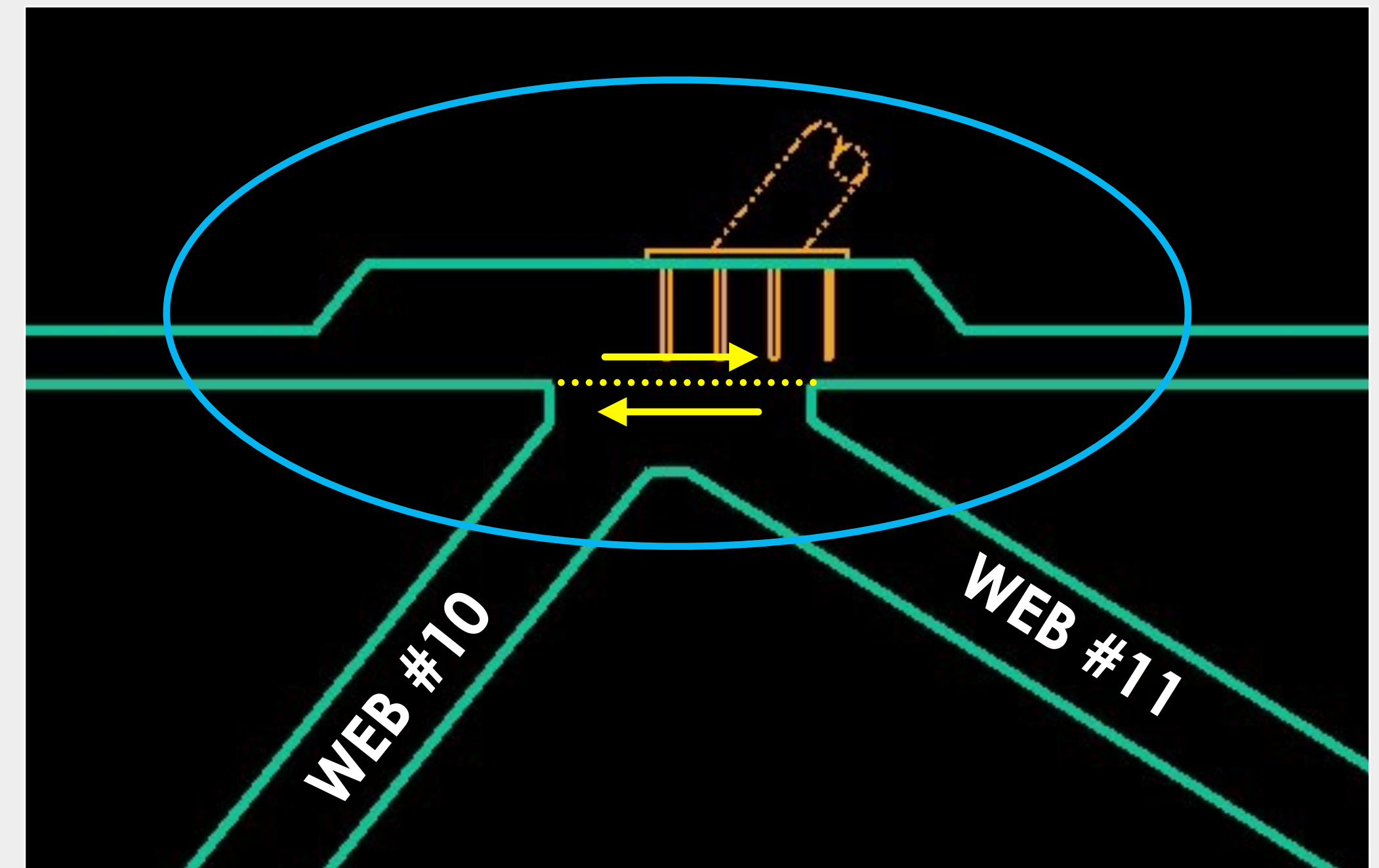
Case T - Temp. Supports w/Web 11 PT stressed	3.62
Case A - End Supported w/Web 11 PT stressed	10.55
Case B - End Supported w/Web 11 PT de-tensioned	10.16
Case C - End Supported w/Web 11 PT re-stressed	10.61



Factors of Safety

Canopy and Web 10/11 Interface

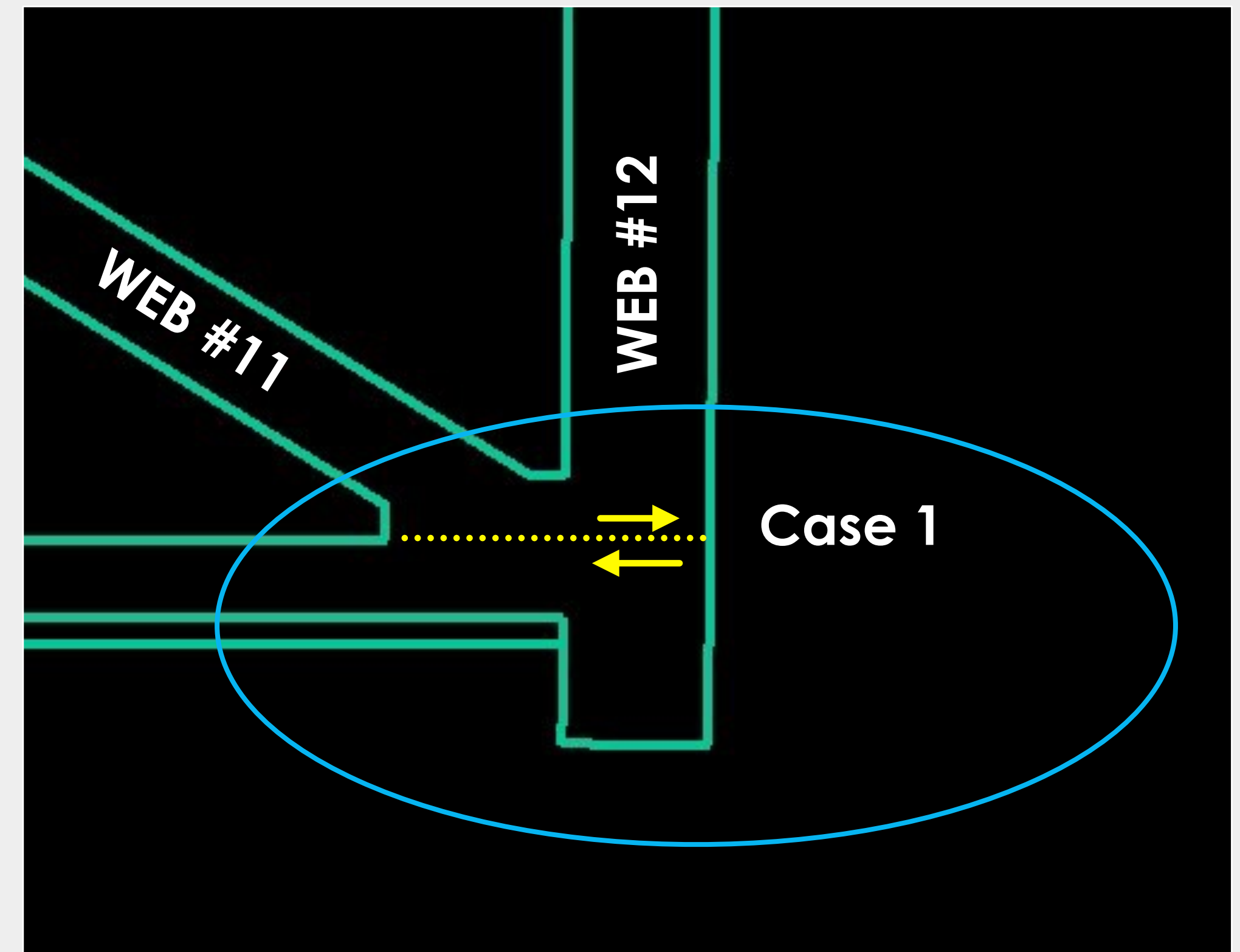
Case T - Temp. Supports w/Web 11 PT stressed	2.47
Case A - End Supported w/Web 11 PT stressed	2.53
Case B - End Supported w/Web 11 PT de-tensioned	4.23
Case C - End Supported w/Web 11 PT re-stressed	2.36



Factors of Safety

Deck and Web 11/12 Interface - Case 1

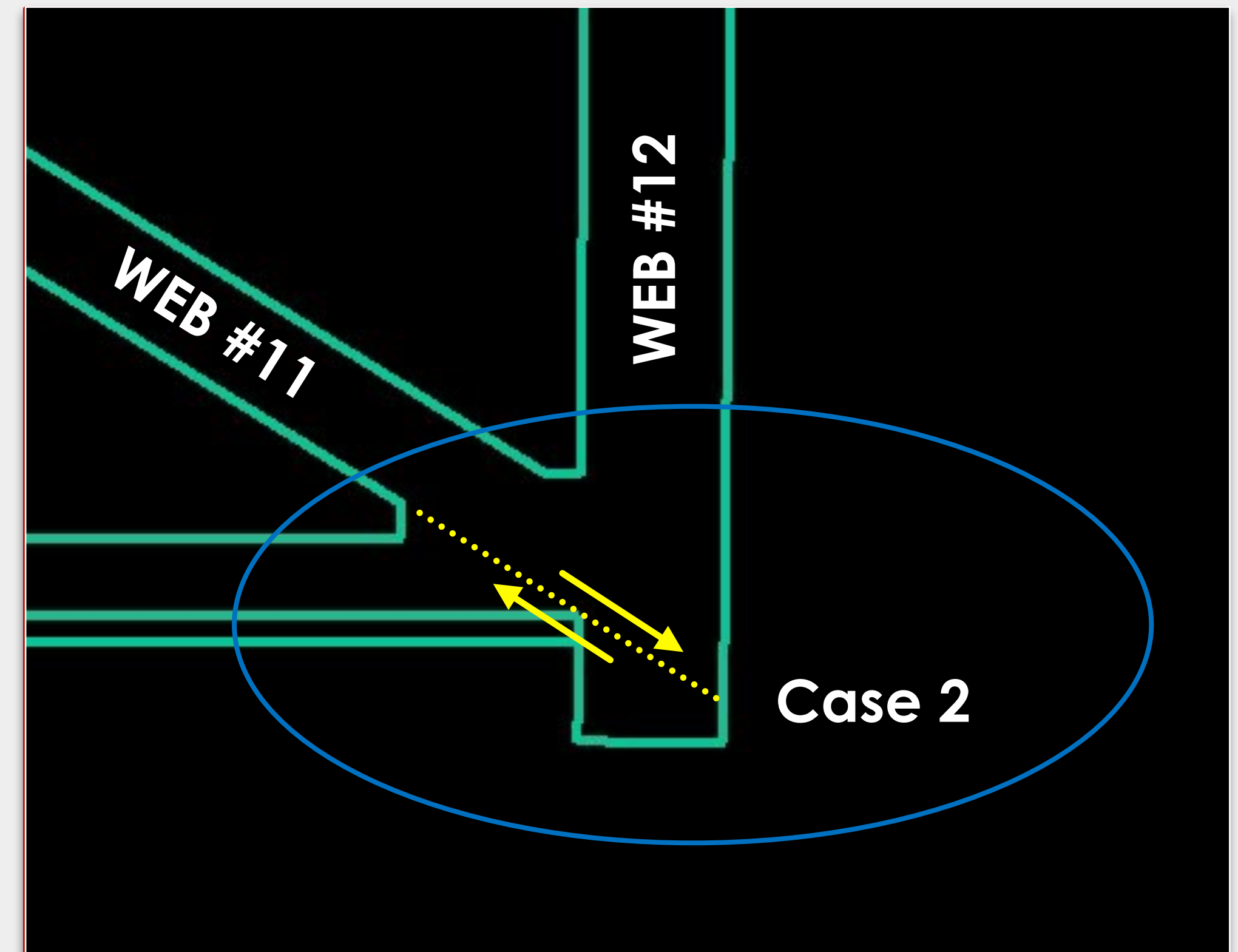
Case A - End Supported w/Web 11 PT stressed	1.29
Case B - End Supported w/Web 11 PT de-tensioned	1.55
Case C - End Supported w/Web 11 PT re-stressed	1.25



Factors of Safety

Deck and Web 11/12 Interface - Case 2

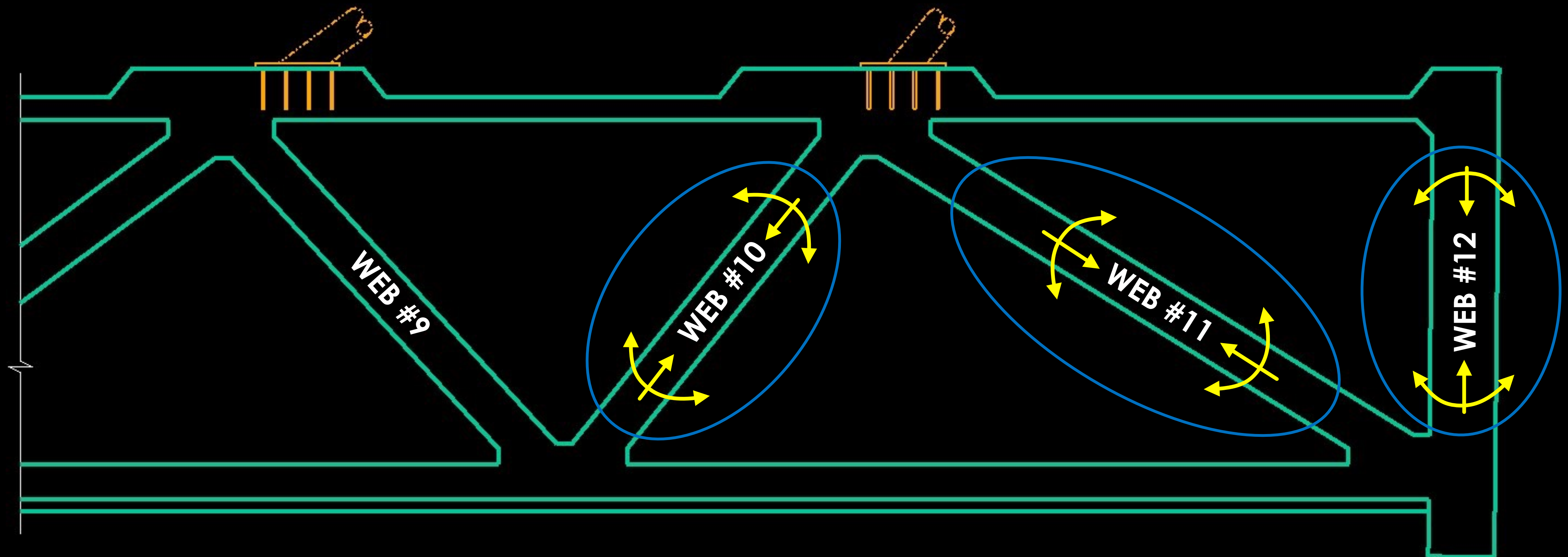
* Case A - End Supported w/Web 11 PT stressed	1.26
* Case B - End Supported w/Web 11 PT de-tensioned	1.26
* Case C - End Supported w/Web 11 PT re-stressed	1.26



* Cases are the same since shearing plane is below the Web 11 PT bars

Bending and Axial Force Interaction Web Members

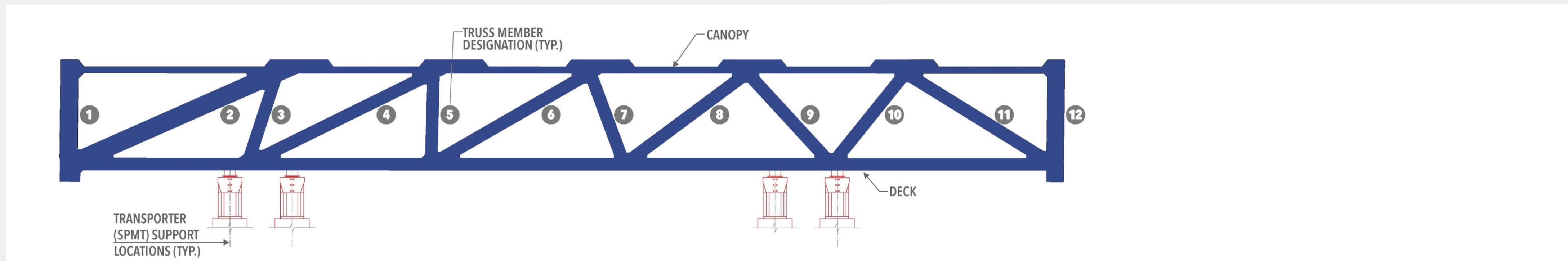
- ▶ Web 10, 11 and 12 checked
- ▶ Cases enveloped when analyzing results



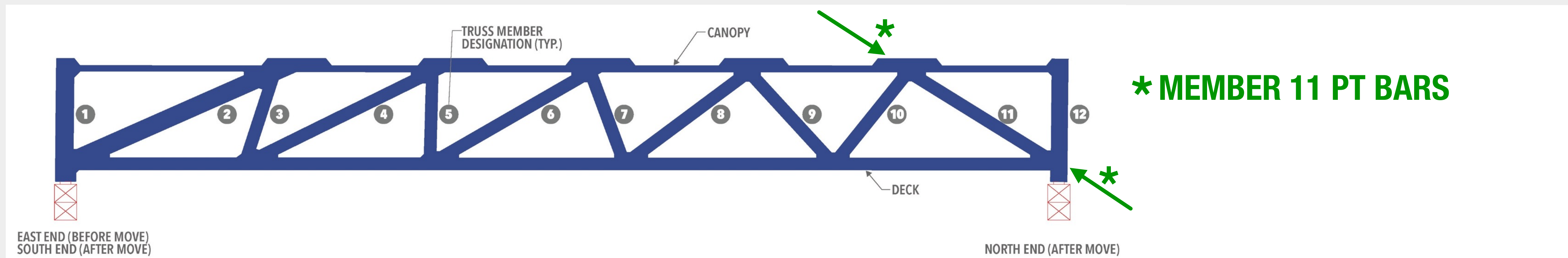
Bending and Axial Force Interaction Web Members

Load cases checked

- When temporarily supported on hauler with PT bars stressed in Web 11 (Case T)

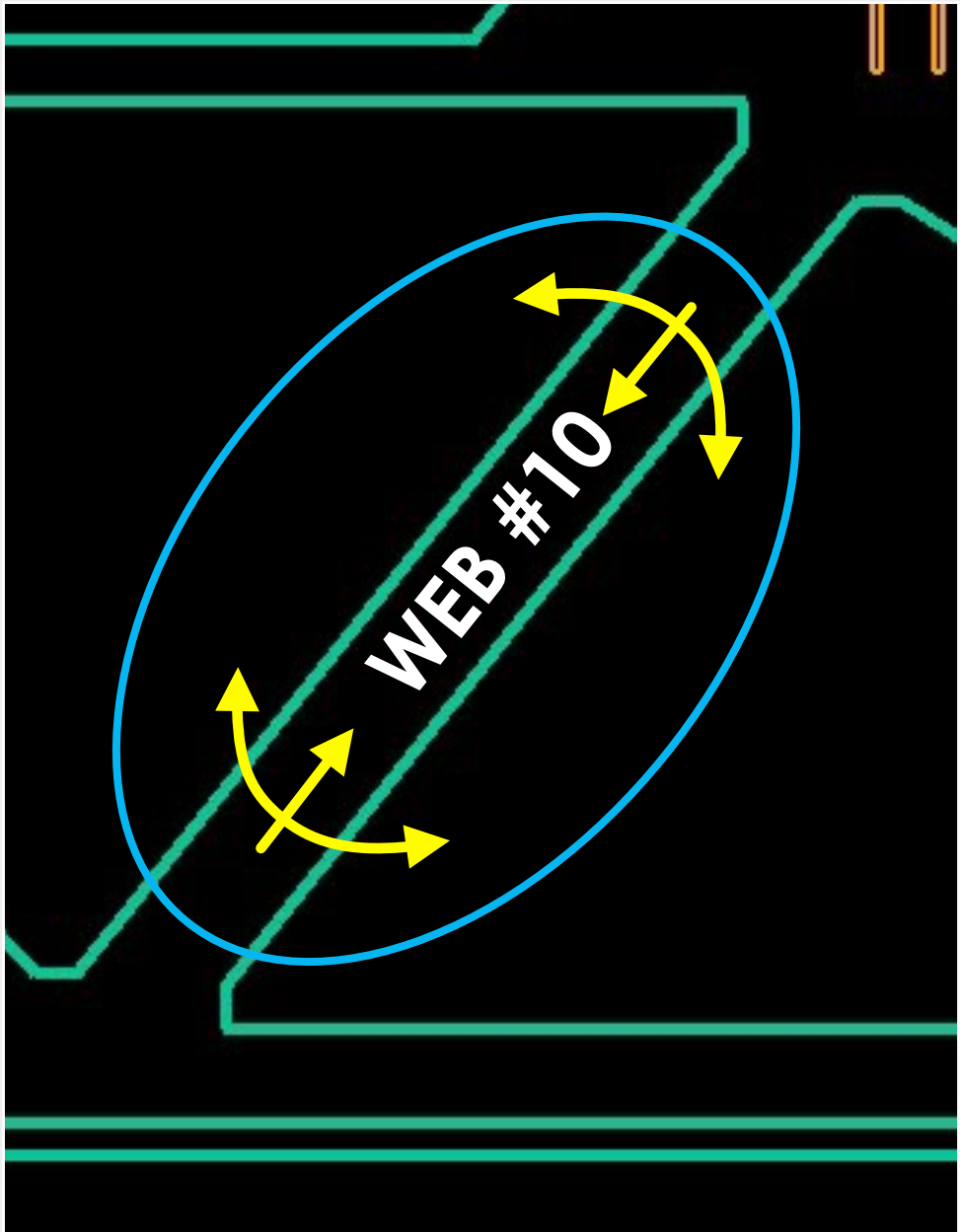


- When supported at final end location with PT bars stressed in Web 11 (Case A)
- When supported at final end location with PT bars de-tensioned in Web 11 (Case B)
- When supported at final end location with PT bars re-tensioned in Web 11 (Case C)

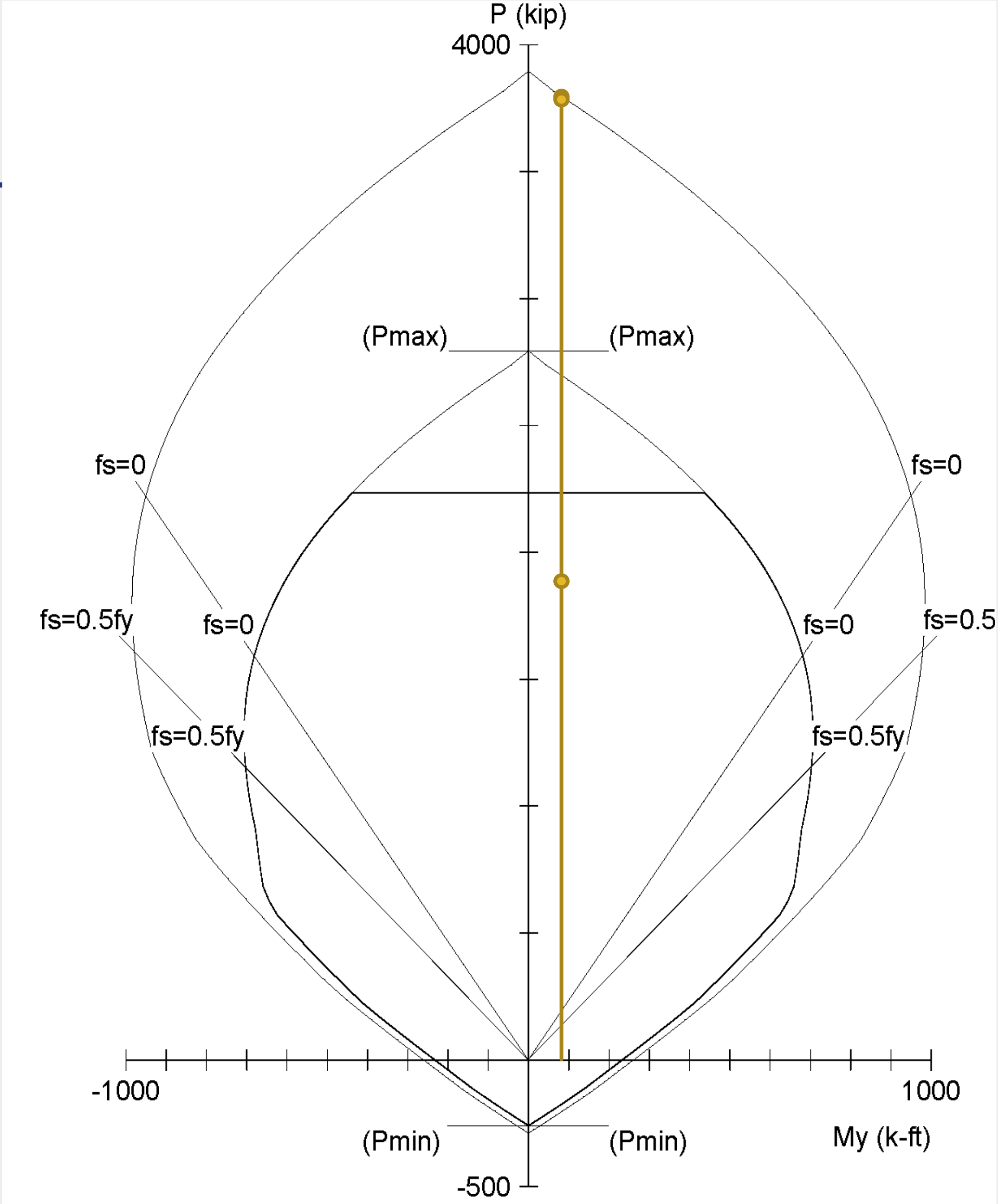


Predominantly Axial Loading - Web 10

Factor of Safety = 2.02 ●

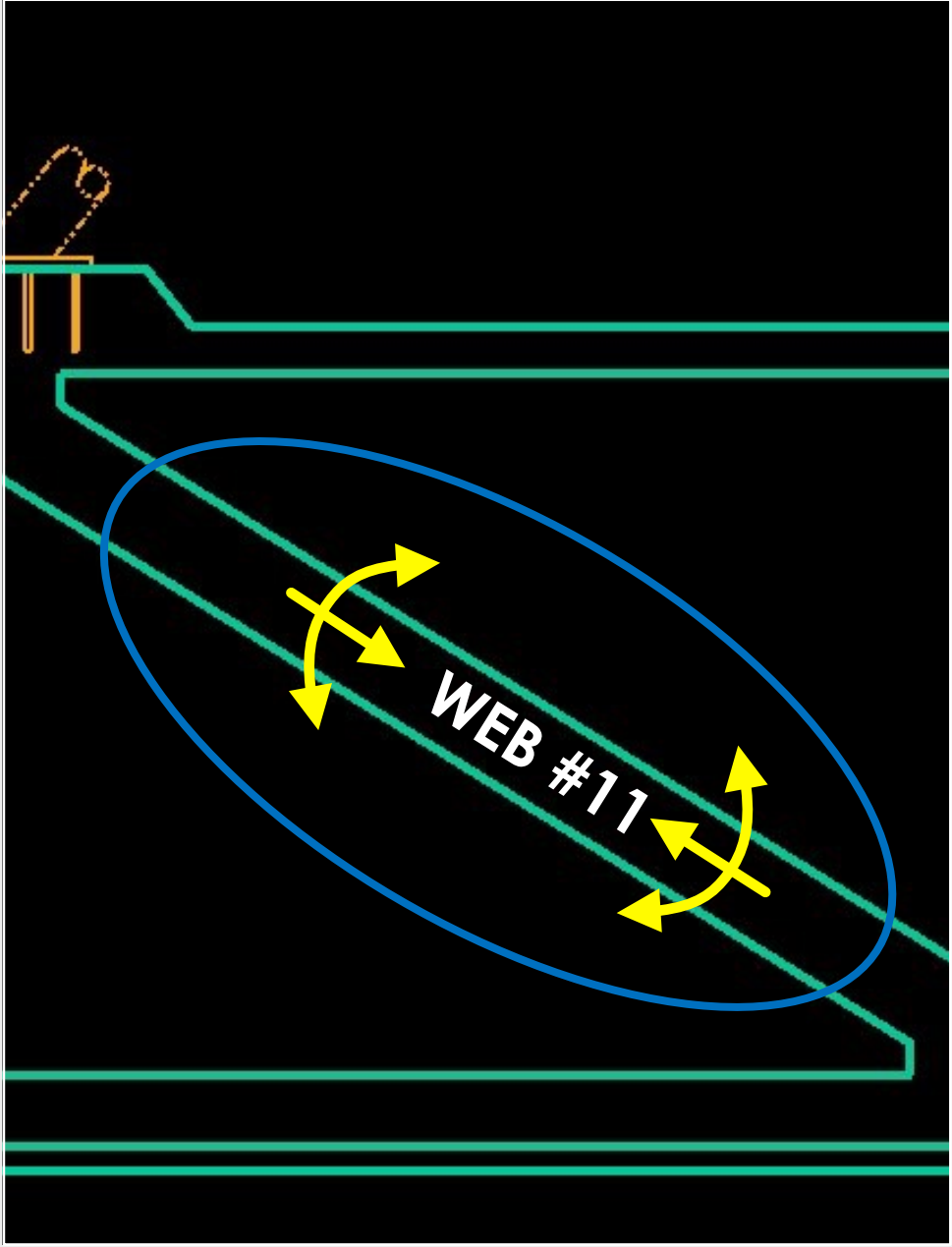


Axial loading from Case T
(Supported on hauler with Web 11 PT bars initially stressed)
Moment loading from Case C
(Supported on end with Web 11 PT bars re-stressed)



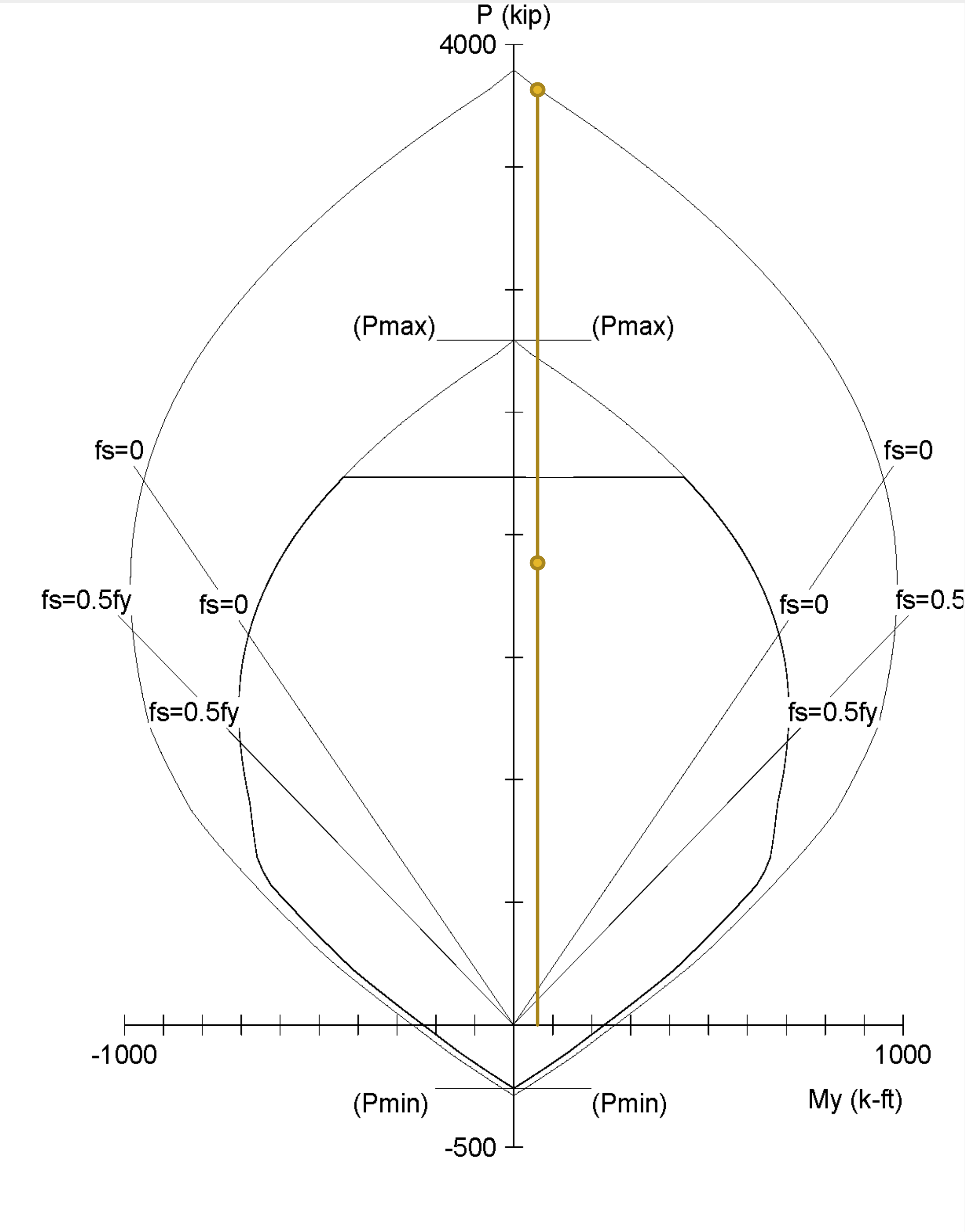
Predominantly Axial Loading - Web 11

Factor of Safety = 2.02 ●



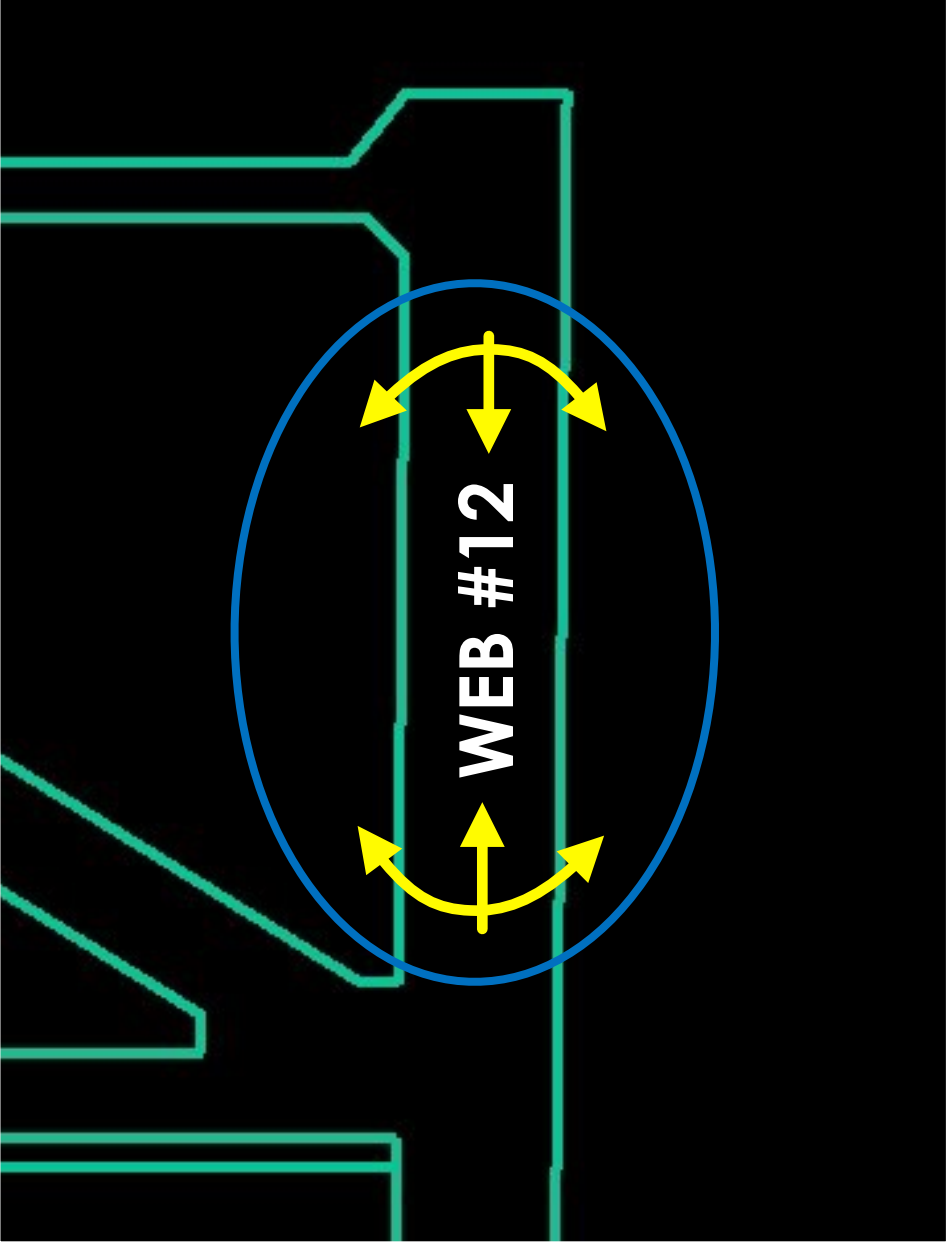
Axial loading from Case C
(Supported on end with Web 11 PT bars re-stressed)

Moment loading from Case B
(Supported on end with Web 11 PT bars de-stressed)



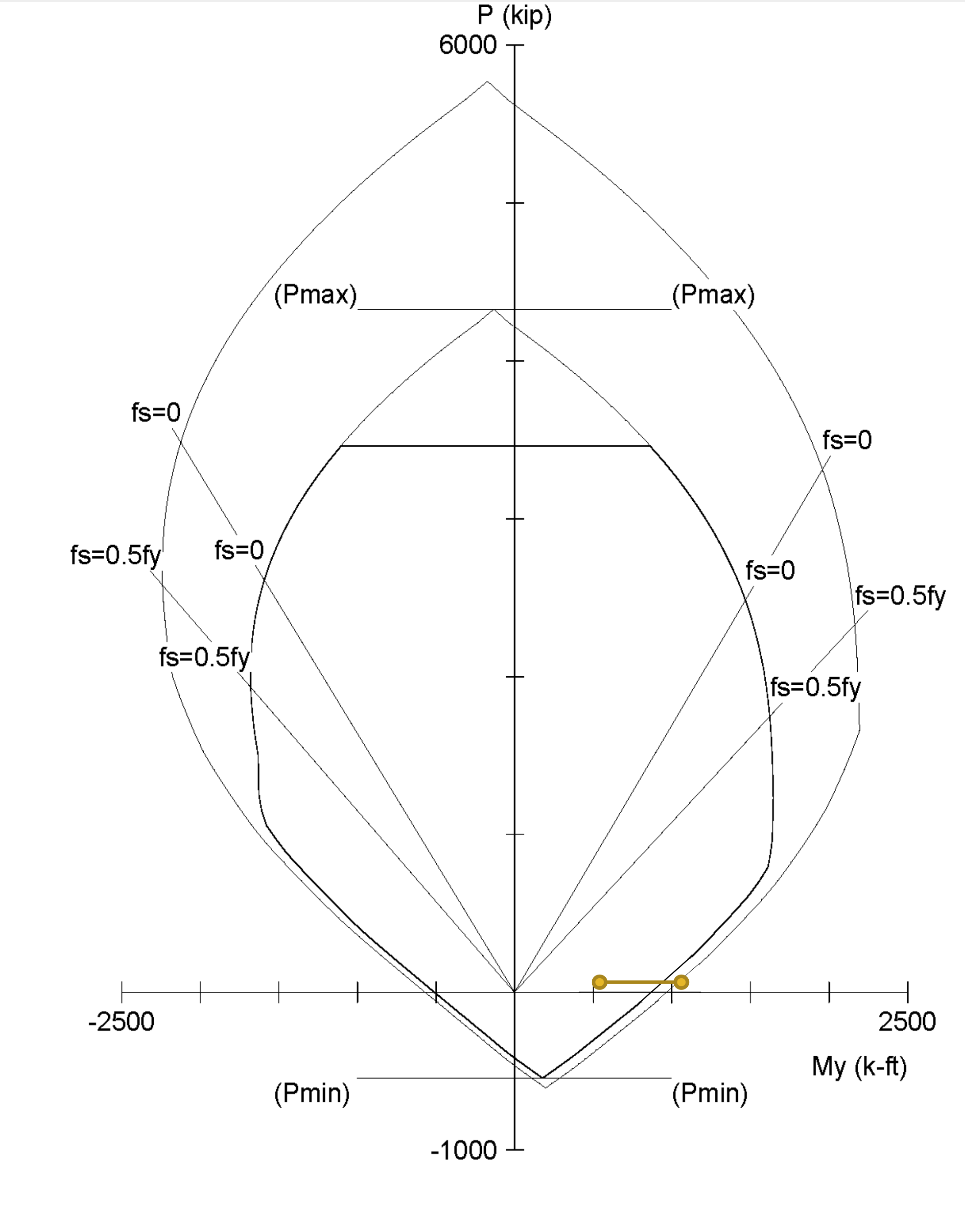
Predominantly Bending Loading - Web 12

Factor of Safety = 1.94 ●



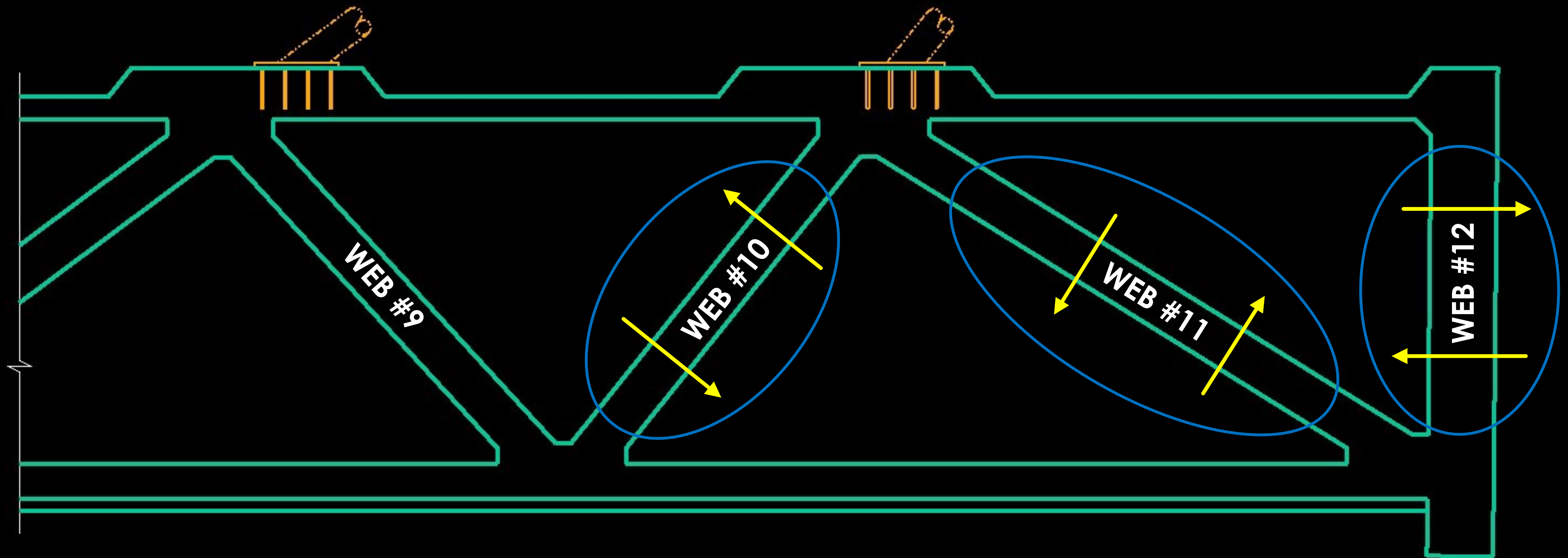
Axial loading from Case C
(Supported on end with Web 11 PT bars re-stressed)

Moment loading from Case C
(Supported on end with Web 11 PT bars re-stressed)



Shearing Force in Web Members

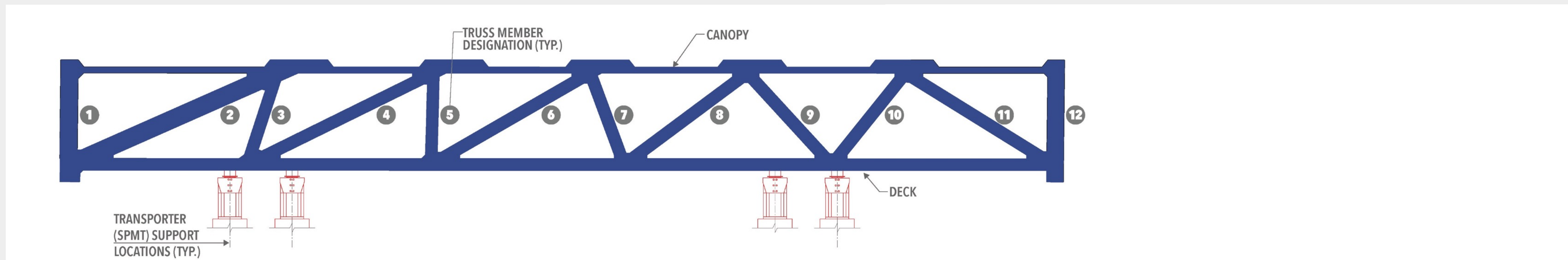
- ▶ Web 10, 11 and 12 checked



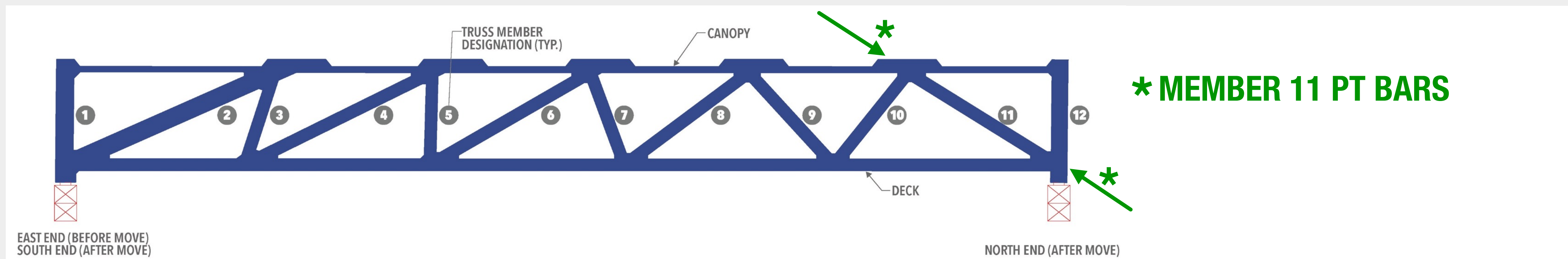
Shearing Force in Web Members

Load cases checked

- When temporarily supported on hauler with PT bars stressed in Web 11 (Case T)



- When supported at final end location with PT bars stressed in Web 11 (Case A)
- When supported at final end location with PT bars de-tensioned in Web 11 (Case B)
- When supported at final end location with PT bars re-tensioned in Web 11 (Case C)

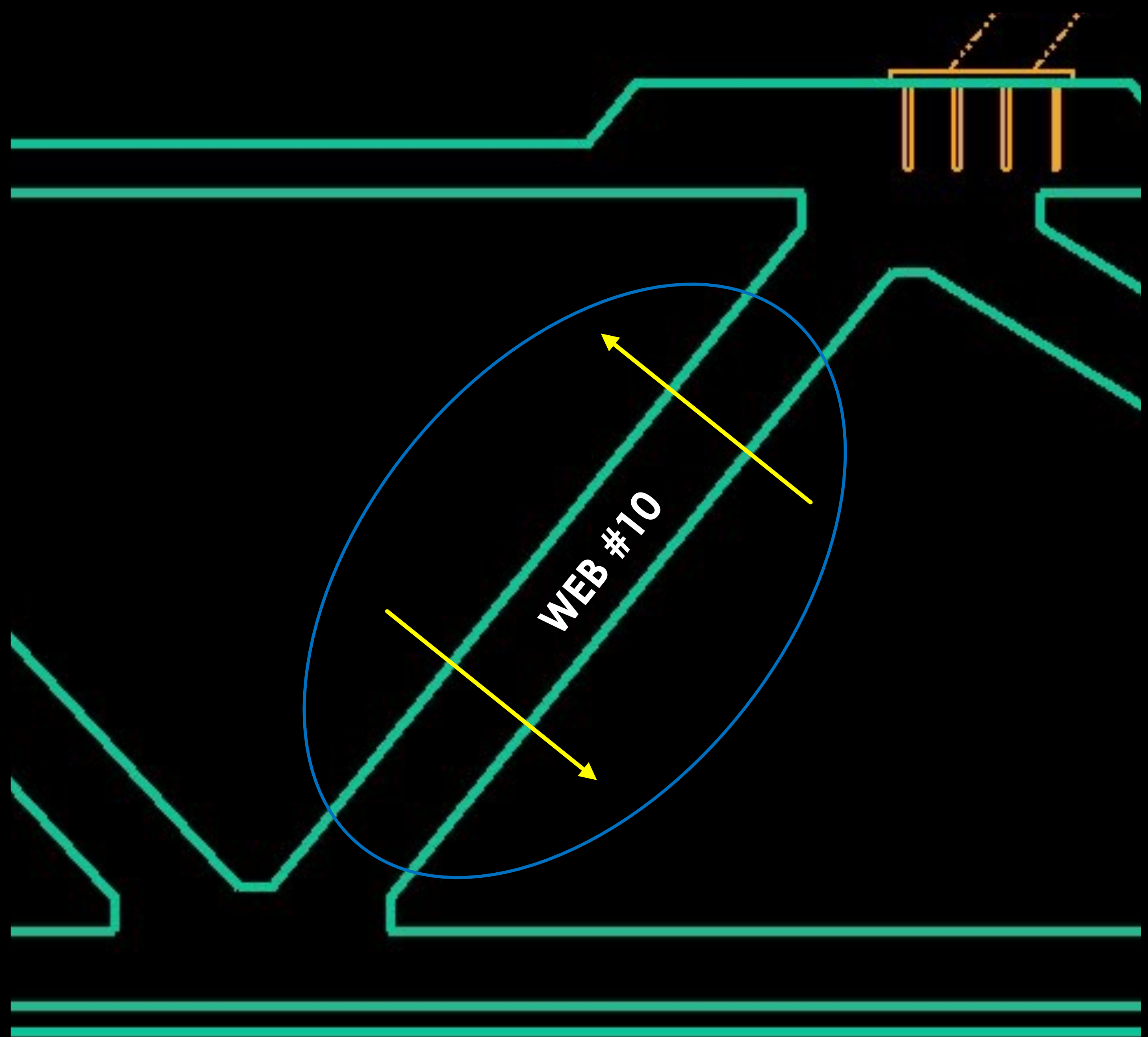


Shearing Force Web 10

Factor of Safety = 11.85

Shearing load is small

Controlling load from Case C
(Supported on end with Web
11 PT bars re-stressed)

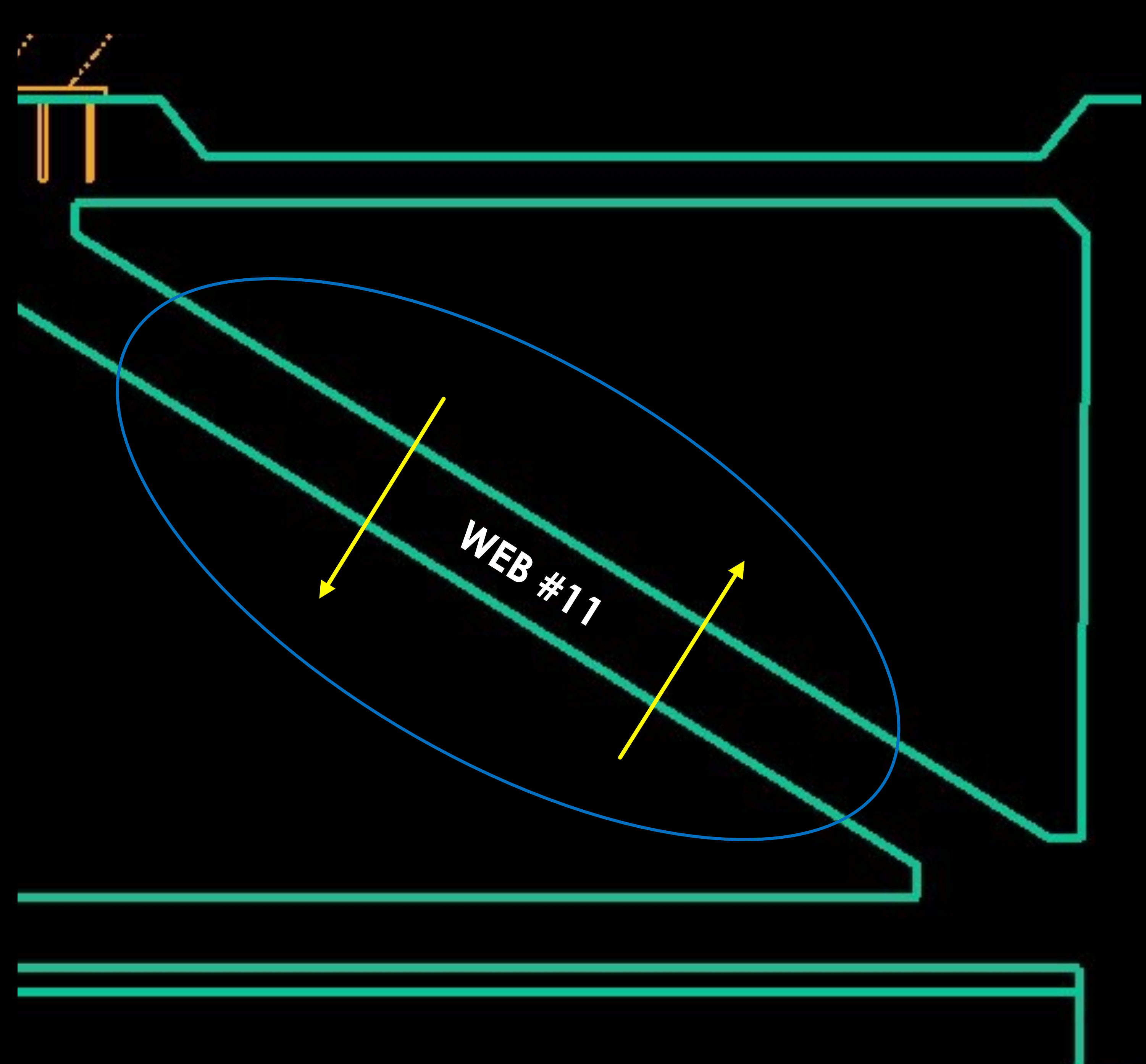


Shearing Force Web 11

Factor of Safety = 17.67

Shearing load is small

Controlling load from Case C
(Supported on end with Web
11 PT bars re-stressed)

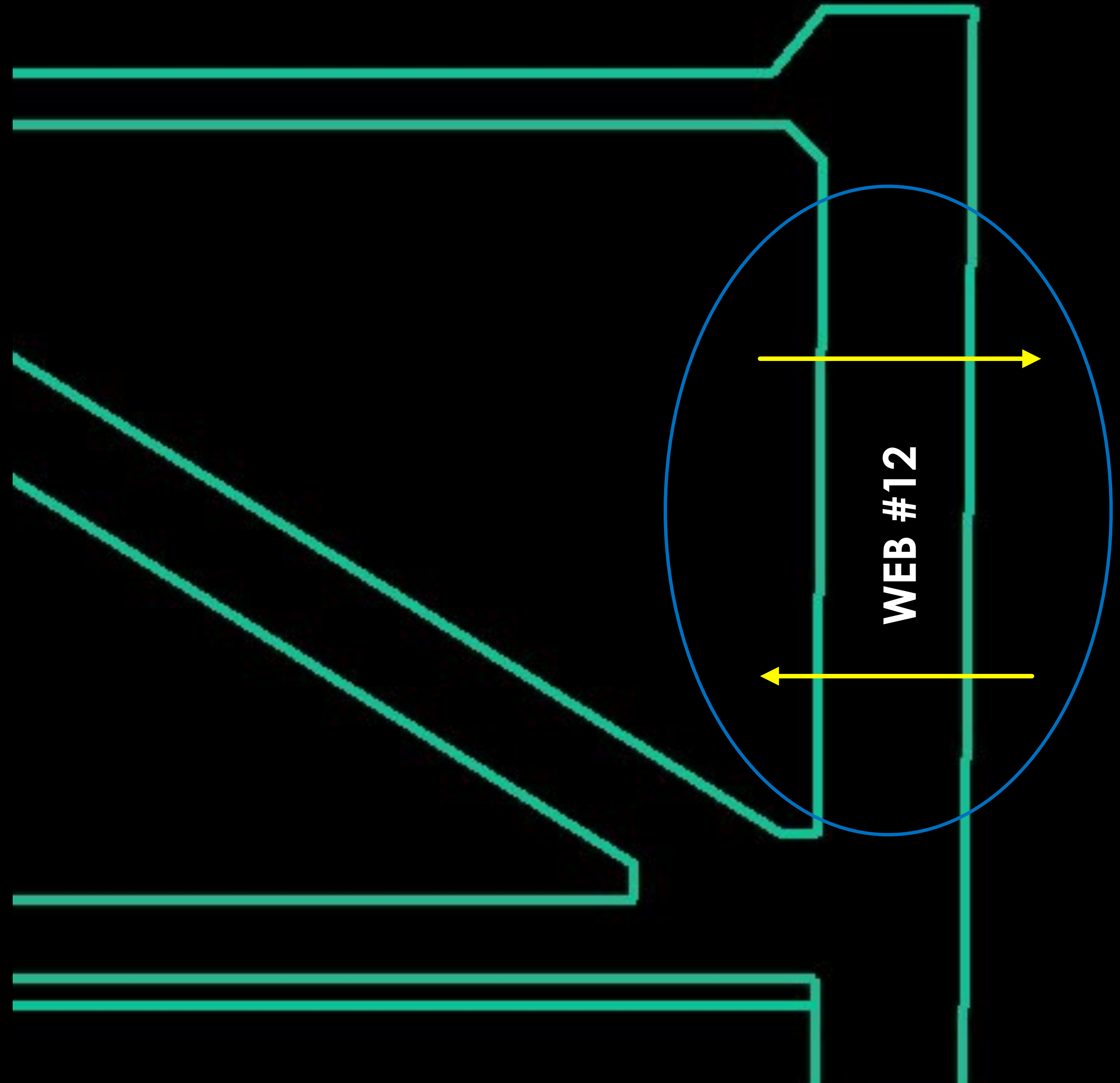


Shearing Force Web 12

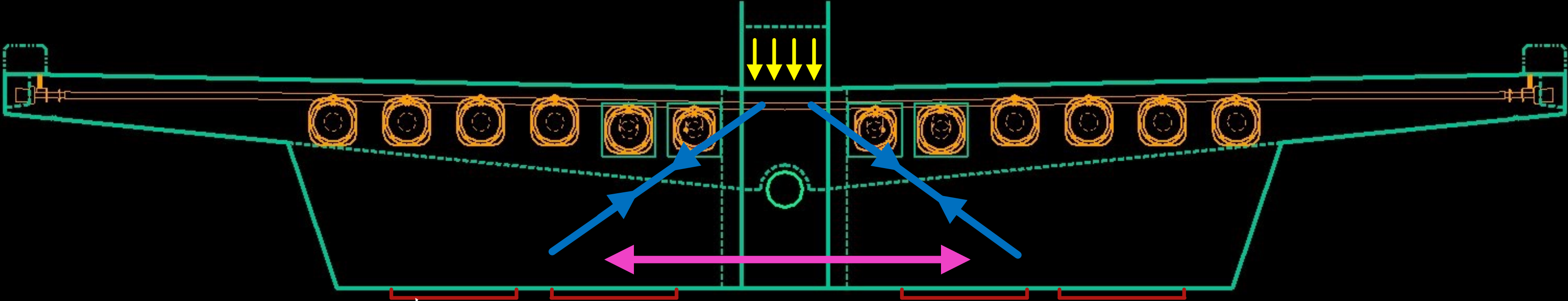
Factor of Safety = 2.72

Shearing load is largest in Web 12
(for Webs 10, 11 & 12)

Controlling load from Case C
(Supported on end with Web 11
PT bars re-stressed)



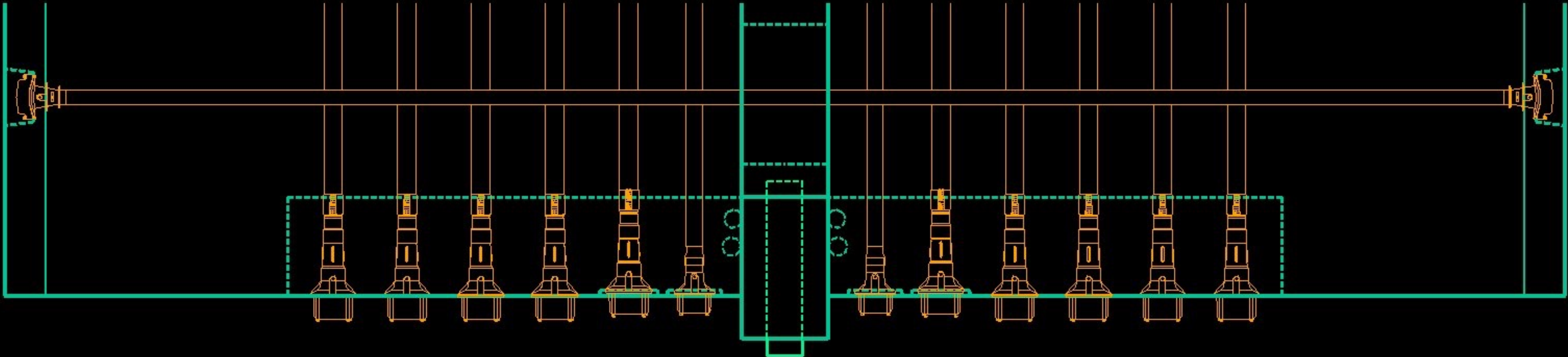
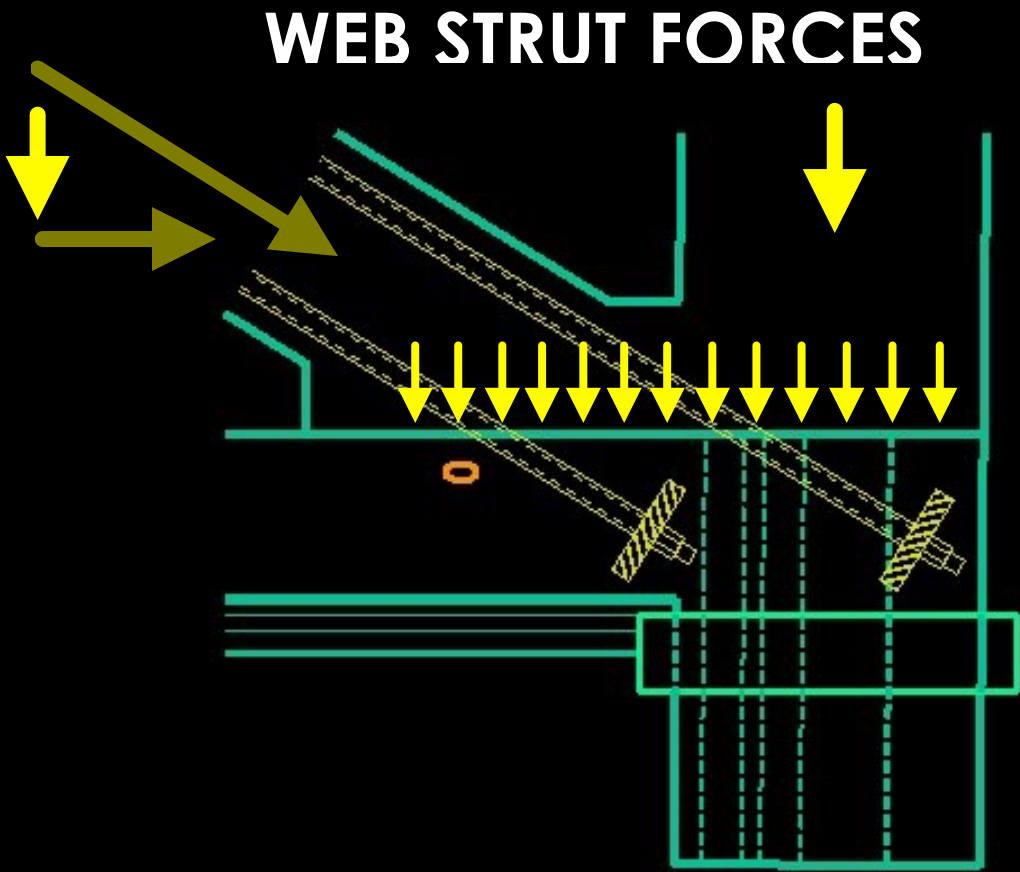
Transfer Vertical Web Strut Forces to End Diaphragm Temporary Supports



TEMPORARY SUPPORTS (TYP.)

— COMPRESSION STRUT LOCATION

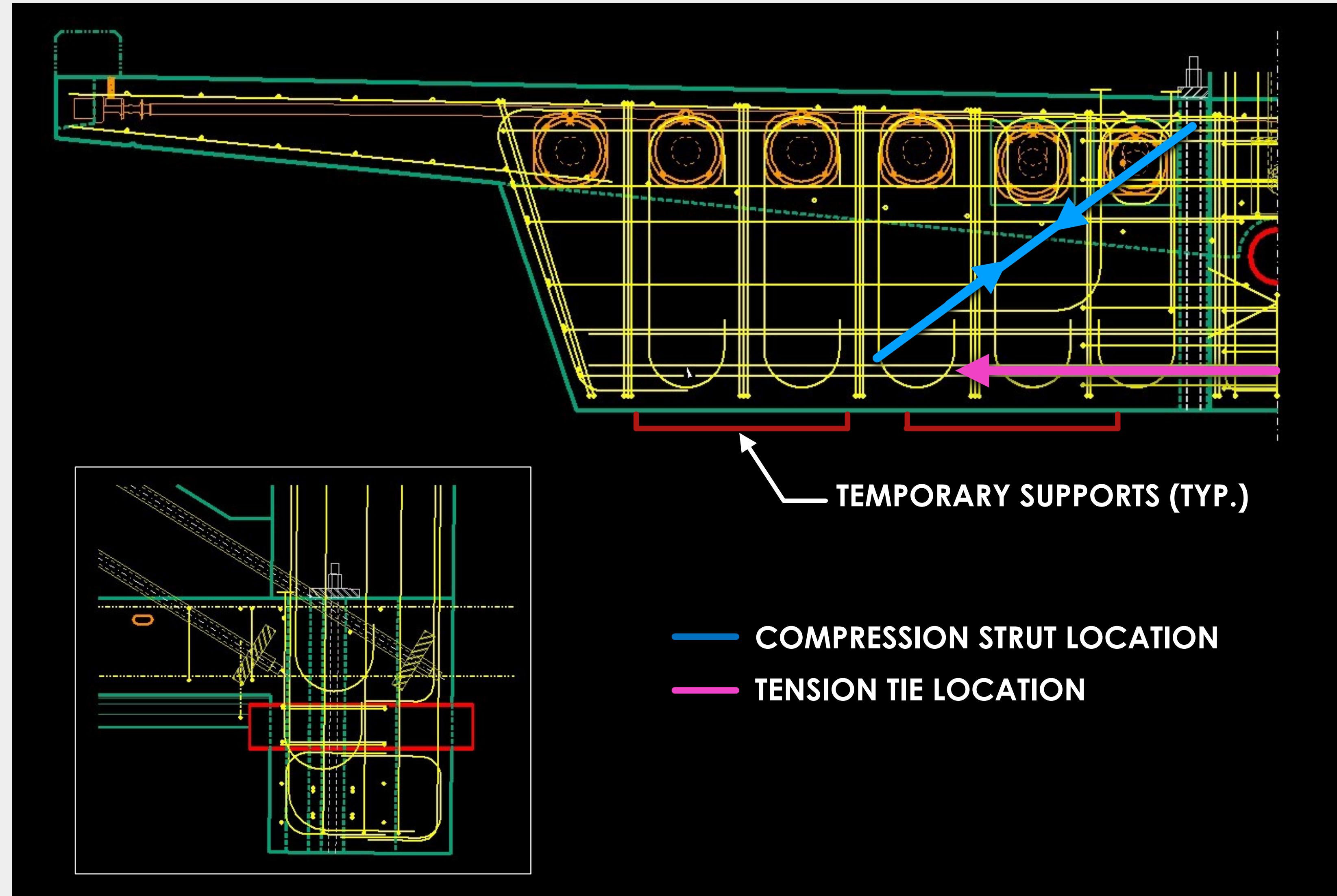
— TENSION TIE LOCATION



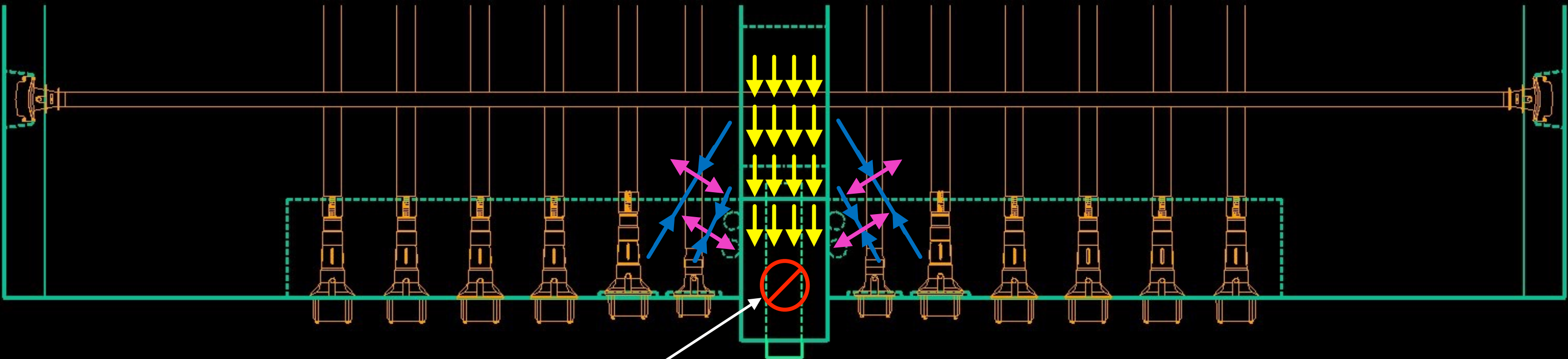
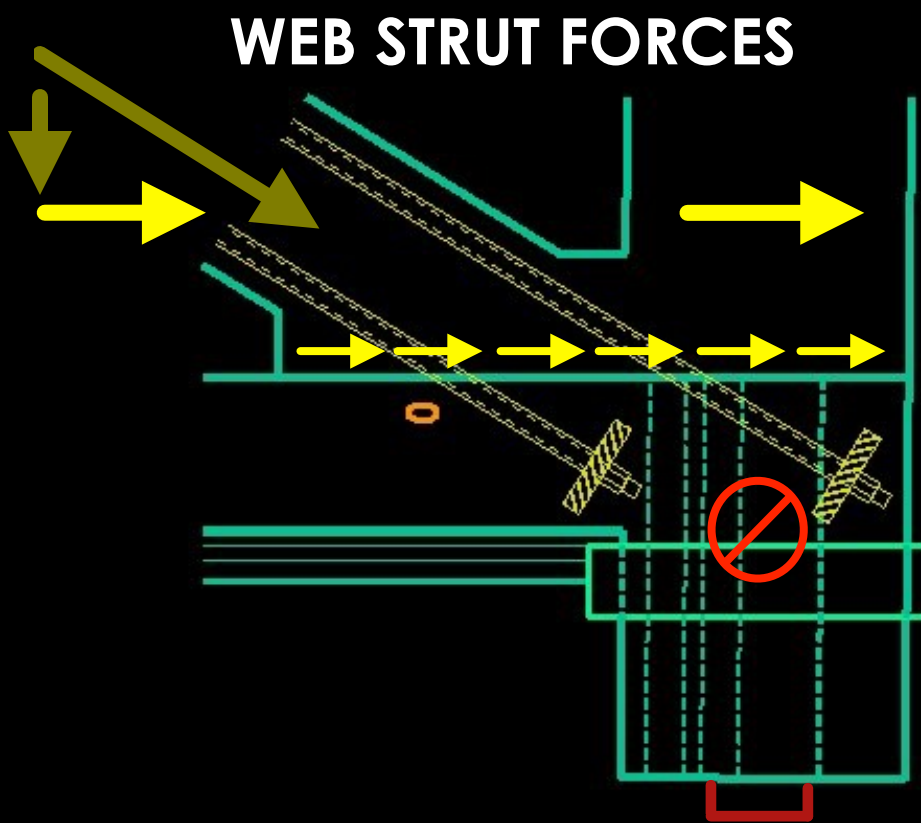
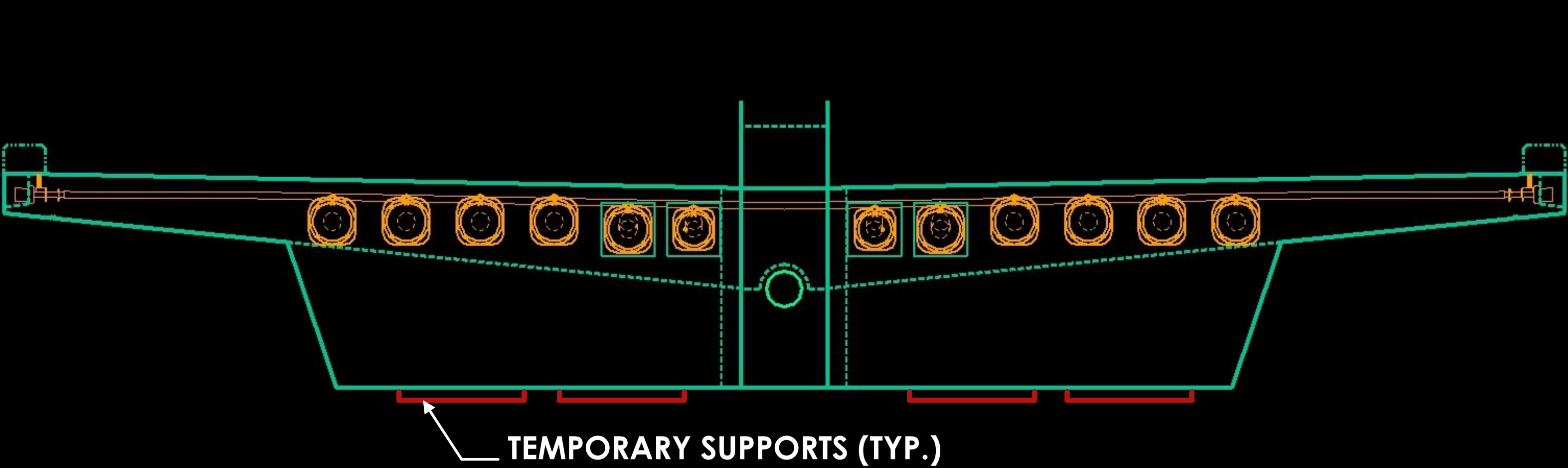
Transfer Vertical Web Strut Forces to End Diaphragm Temporary Supports

Factor of Safety = 1.86

Controlling load produced when structure on end supports



Transfer Horizontal Web Strut Forces to End Diaphragm Post-Tensioning Anchorages

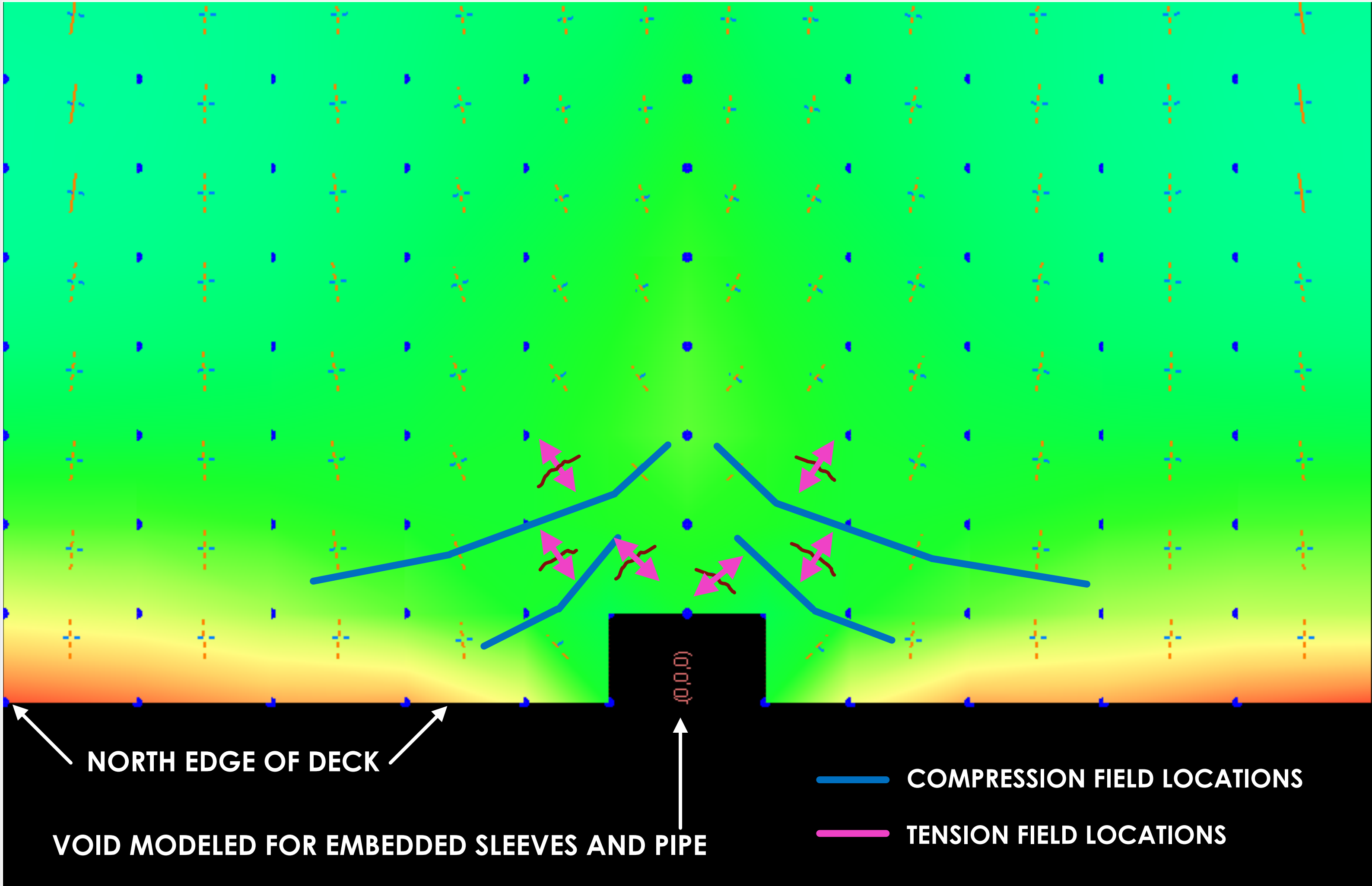


Transfer Horizontal Web Strut Forces to End Diaphragm Post-Tensioning Anchorages

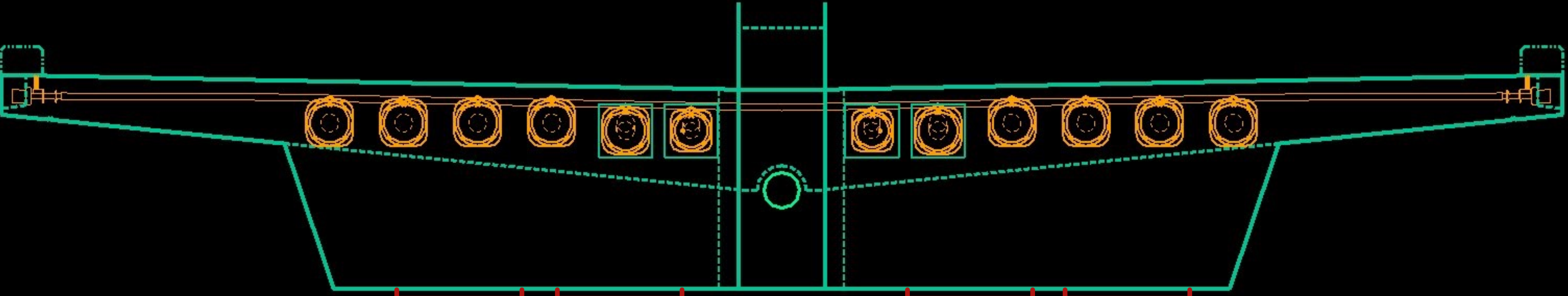
Plan View of Deck

Factor of Safety = 1.80

Controlling load produced when structure on end supports

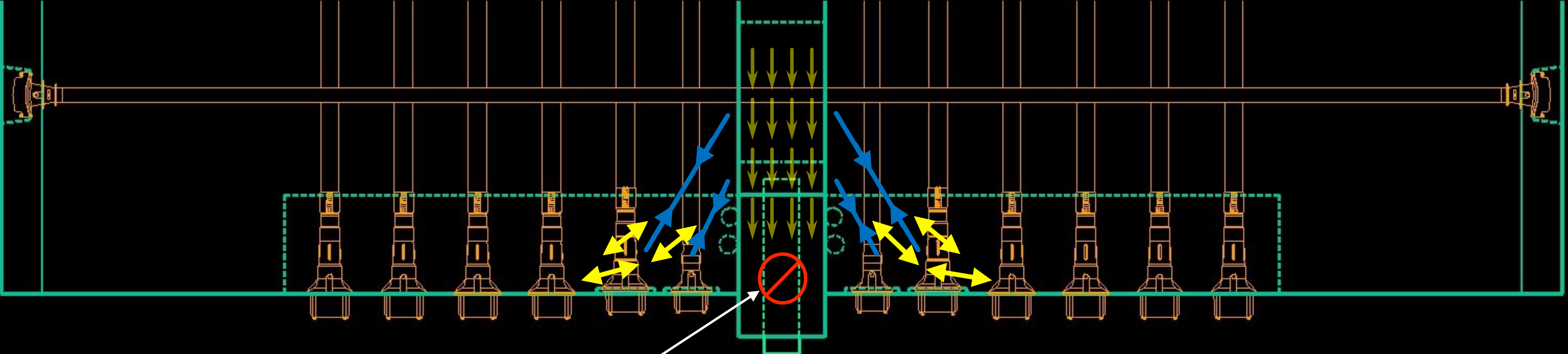


Transfer Horizontal Web Strut Forces to End Diaphragm Post-tensioning Anchorages



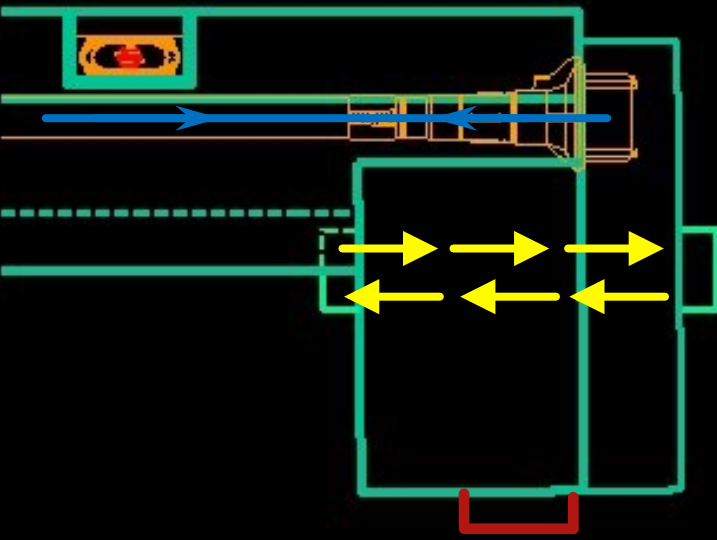
TEMPORARY SUPPORTS (TYP.)

SHEARING FORCES BETWEEN DIAPHRAGM AND DECK HELP DISTRIBUTE HORIZONTAL WEB STRUT FORCES TO LONGITUDINAL POST-TENSIONING ANCHORAGES



ASSUME NO FORCE TRANSFER THROUGH AND ABOVE DRAIN PIPE SLEEVE

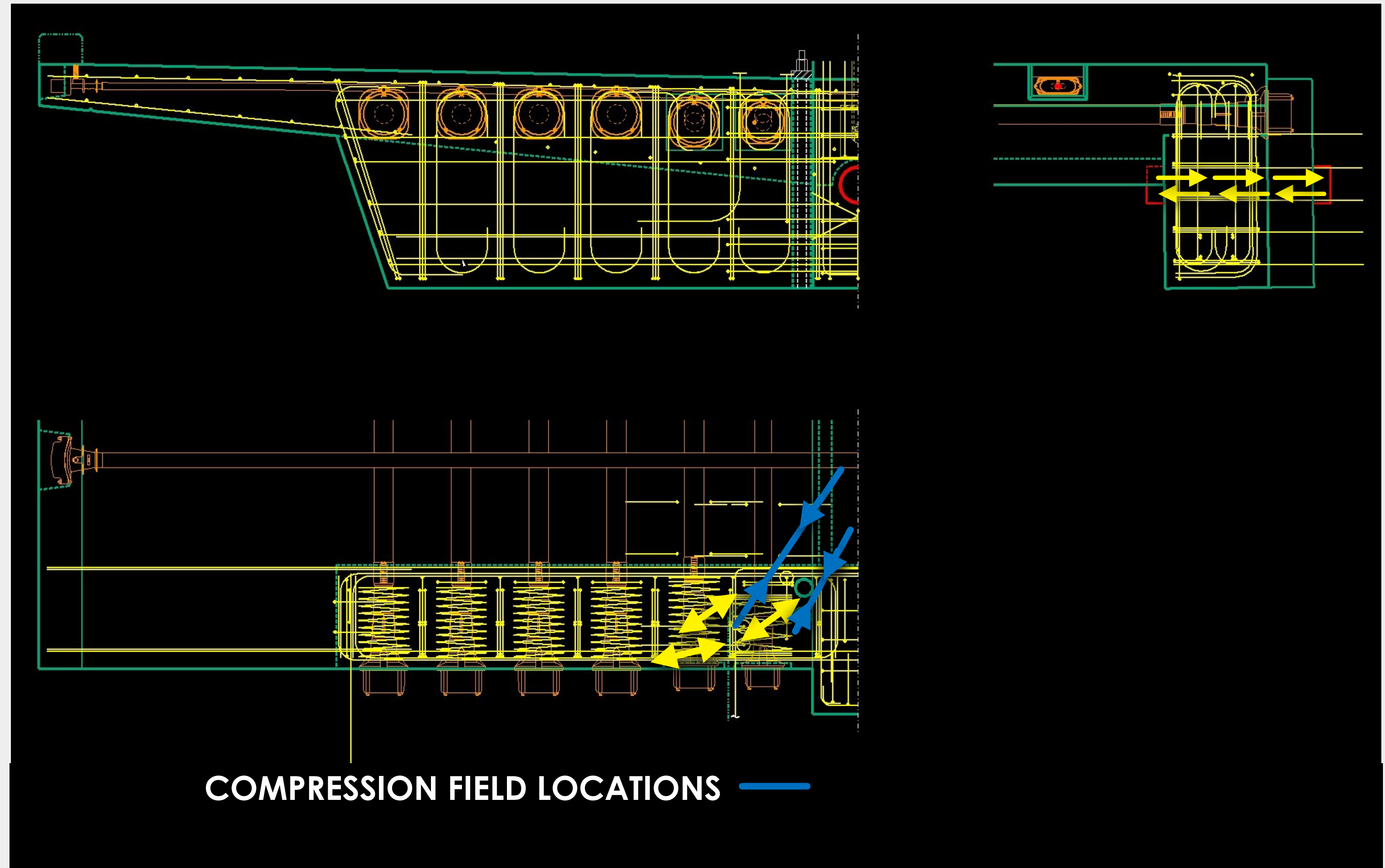
COMPRESSION FIELD LOCATIONS



Transfer Horizontal Web Strut Forces to End Diaphragm Post-tensioning Anchorages

Factor of Safety = 11.40

Controlling load produced when structure on end supports



Factual Information Factor of Safety Summary Released for Construction (RFC) Plans

PYLON END OF MAIN SPAN STRUCTURE

Factual Information Factor of Safety Summary

Shear friction at web/deck and web/canopy intersections

Controlling location: Web 11 and 12 intersection at deck level

Factor of Safety: 1.25 (Case C – End supported w/Web 11 PT re-stressed)

Bending and axial force in web members

Controlling location: Web 11 & 12

Factor of Safety: 2.02 & 1.94 (Case C – End supported w/Web 11 PT re-stressed)

Shear in the web members

Controlling location: Web 12

Factor of Safety: 2.72 (Case C – End supported w/Web 11 PT re-stressed)

Factual Information Factor of Safety Summary

Transfer of vertical web strut forces to diaphragm temporary supports

Controlling location: Structure supported on each end

Factor of Safety: 1.86

Transfer of horizontal web strut forces to diaphragm longitudinal PT anchors - Principal tension in deck and shear friction between deck/diaphragm above anchors

Controlling condition: When structure is supported at each end

Factor of Safety: Principal tension - 1.80 / Shear Friction - 11.40

Summary of Results - RFC Plans Factors of Safety

- ▶ All Factors of Safety investigated are above 1.00 - Capacity per RFP Plans is greater than applied load.
- ▶ Region where Web 11/12 and deck intersect is the controlling location - Minimum Factor of Safety = 1.25.
- ▶ Web 12 contained the highest values of shear and bending – However, it did not control due to larger size and more reinforcing steel – This shear and bending occurs where Web 12 connects to the deck - Minimum Factor of Safety = 1.94.
- ▶ Distribution of force from Web 11 and 12 produces controlling stresses on the deck and diaphragm - Minimum Factor of Safety = 1.80.

Factual Information Factor of Safety Sensitivity to Construction Aspects

PYLON END OF MAIN SPAN STRUCTURE

Sensitivity To Construction Aspects

OBJECTIVE: Determine sensitivity of design per RFC Plans to construction variables and assumptions

▶ **Material Properties**

- Concrete Strength = 9,000 psi (Versus 8,500 psi - RFC Plans)
- Reinforcing steel $F_y = 62.5$ ksi (Versus 60.0 ksi - RFC Plans)
(Capped at 60.0 ksi by AASHTO for shear friction)

▶ **Other Variations**

- For shear friction utilize full effect of #11 bars in Web 12
- No shear friction capacity of inclined reinforcement in compression
- Limit shear friction resistance (k_2 value) to 1.50 ksi as applicable
- For bending/axial interaction cap the axial capacity for unanticipated eccentricity and utilize ray length to estimate Factor of Safety

Sensitivity To Construction Aspects

OBJECTIVE: Determine sensitivity of design per RFC Plans to construction variables and assumptions

▶ **Construction Joint Preparation**

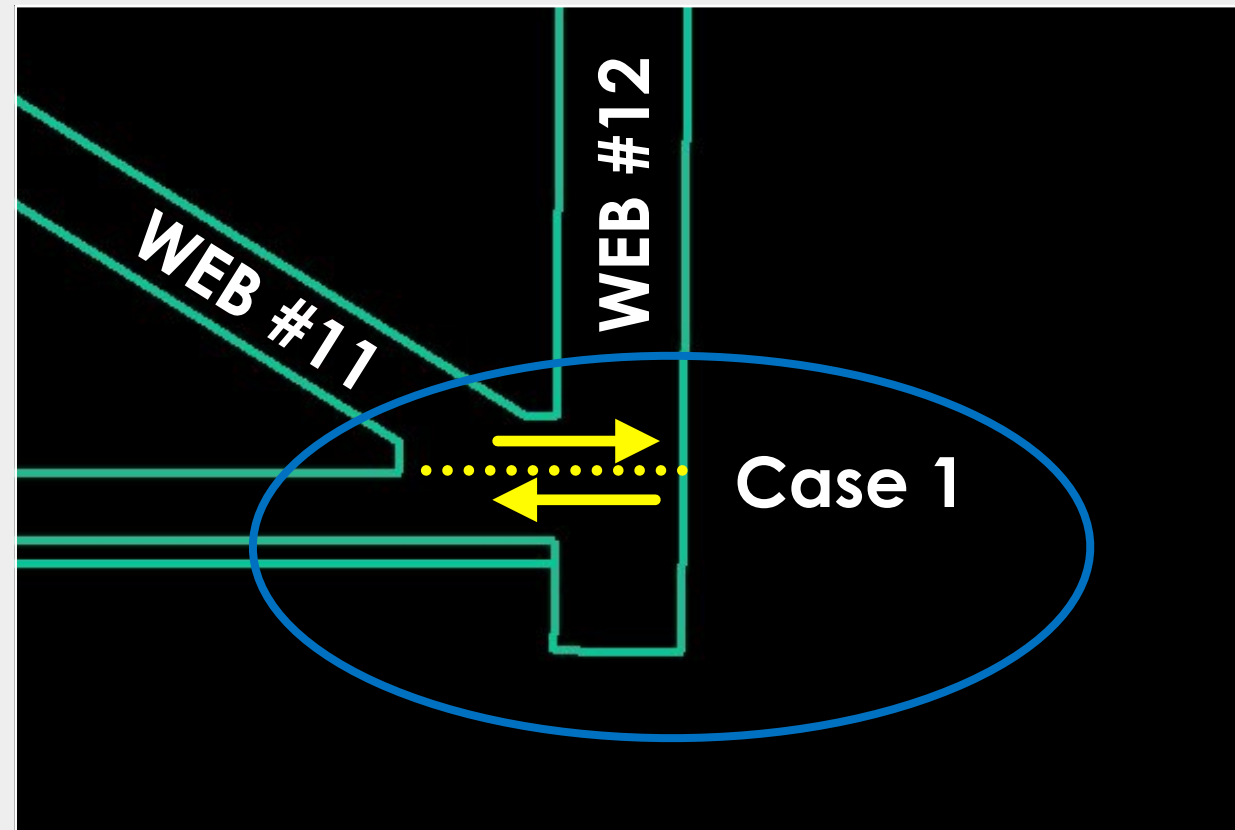
- **Assume not intentionally roughened
(Versus specification requirement for intentional roughening)**

Factors of Safety For Variations

Controlling Factors of Safety

Item / Location	Factors of Safety		
	RFC Plans	9,000 psi Concrete 62.5 ksi Rebar	Other Variations
Shear Friction At Web/Deck Interface (Web 11/12 At Deck)	1.25	1.25	1.23
Bending/Axial In Web Members			
Web 11	2.02	2.16	1.58
Web 12	1.94	2.00	2.17
Shear In Web Members (Web 12)	2.72	2.81	----
Transfer of Vertical Web Struts Forces to Diaphragm Supports	1.86	1.94	----
Transfer of Horizontal Web Struts Forces to Longitudinal PT (Principal Tension)	1.80	1.85	----

Construction Joint Preparation Deck and Web 11/12 Interface



	Factors of Safety	
	RFC Plans	With area under Web 11 not intentionally roughened
Case A - End Support w/Web 11 PT stressed	1.29	0.85
Case B - End Support w/ Web 11 PT de-tension	1.55	1.04
Case C - End Support w /Web 11 PT re-stressed	1.25	0.83 (0.81 with Other Variations)

Summary - Sensitivity To Construction Aspects

- ▶ **Material properties ($F'_c = 9,000$ psi, $F_y = 62.5$ ksi).**
 - Slight increase in Factors of Safety.
 - Controlling Factor of Safety is not affected.
- ▶ **Controlling cases for other variations changed only 2%**
- ▶ **Construction Joint Preparation
(Assume not intentionally roughened under Web #11 only).**
 - Controlling Factor of Safety reduces from 1.25 to 0.83.
 - Factor of safety of 0.83 indicates capacity is significantly less than applied loads.

Summary - Factors of Safety For Key Elements

- ▶ Controlling Factor of Safety for bridge per RFC Plans is 1.25.
 - Web #11/12 interface with deck at pylon end (north end) of bridge.
 - Occurs after bridge move and after Web 11 PT bars are restressed.
 - Capacity per RFC Plans is greater than applied loads.
- ▶ If construction joint between Web #11 and deck is not intentionally roughened, Factor of Safety drops to 0.83.
 - Applied loads are greater than capacity.

**INFORMATION FOR THE
NATIONAL TRANSPORTATION SAFETY BOARD**

**FIU Pedestrian Bridge
Miami, Florida**

**FACTUAL INFORMATION
FROM RELEASED FOR CONSTRUCTION (RFC) PLANS**

PYLON END OF MAIN SPAN SUPERSTRUCTURE

Information Provided By Figg Bridge Engineers, Inc.
March 13, 2019

FIU CHECK CALCULATIONS

FACTOR OF SAFETY ESTIMATES

**AS PROVIDED IN THE CONTRACT PLANS
FOR VARIOUS LOCATIONS
AND CONDITIONS**

For additional information see the presentation file:

NTSB_Addnl_Plan_info_FIGG.pdf

Provided on 27 November 2018

HAND CALCULATIONS

SUMMARY OF APPROACH TO FACTOR OF SAFETY CALCULATIONS

The calculations are intended to estimate the Factors of Safety of various elements and conditions that the structure has seen until the time of the incident (March 15, 2018). Forces and capacities of the main span were produced utilizing the RFC Plans independent from the submitted design calculations. Focus was on key elements of the main span at the north end of the structure.

The calculations serve as an initial check of the RFC Plans with respect to estimated Factors of Safety. They are not design and/or code check calculations. The methods followed was to provide what the reviewer believed to be reasonable understanding of actual structural behavior and its affect on Factor of Safety estimates. This work was completed with review of only the pre-incident documents.

The following project criteria was utilized:

- AASHTO LRFD with 2015 interims.
- FDOT Standard Specifications 2015.
- RFC (Released for Construction) Plan Set.
 - Erection schematics
 - Material properties
 - Reinforcement and post-tensioning details
 - Dimensions
- Temporary support conditions at the north end at the pylon location (RFI #15).
- SPMT (Self Propelled Modular Transporter) support locations.
- Dynamic affects were assumed to be negligible for the construction stages investigated.

For these calculations the Factor of Safety was computed as the ratio of the calculated capacity divided by the calculated applied load (i.e. $FS = \text{Capacity} / \text{Applied Load}$). This also is sometimes referred to "capacity over demand". The capacities were calculated per the AASHTO LRFD Design Code without applying any Phi Factors. These phi factors reduce the capacity as a part of the design process. For the purposes of estimating the Factor of Safety the phi factors were set to 1.00. Similarly, the applied loadings (or demands) were computed without applying any Load Multipliers. Like the phi factors mentioned previously the load multipliers are utilized as a part of the design process. These load multipliers were set to 1.00. Essentially the calculations are using undjusted values of computed capacities and demands to produce a true estimate of the actual factor of safety. A Factor of Safety greater than 1.00 would indicate that the element strength is greater that the applied loading.

Below is a list of the various factual checks performed. Reference to various bridge locations and elements may be found in the RFP Plans and subsequent pages of this document:

- Horizontal shear friction (interface shear) between Web 9/10 and the deck, Web 10/11 and the canopy, and Web 11/12 and the deck.
- Inclined shear friction between Web 11/12 and the deck along the slope of Web 11.

- Bending and axial force interaction in Webs 10, 11 and 12.
- Direct shearing force in Webs 10, 11 and 12.
- Transfer of vertical Web 11 and 12 forces at the top of the north diaphragm to the temporary supports.
- Transfer of horizontal Web 11 and 12 forces at the top of the north diaphragm to the adjacent longitudinal post-tensioning anchorages.

After completing the above checks additional sensitivity checks were performed on specific elements.

To obtain loadings both computer models and hand calculations were utilized. An independent two-dimensional LARSA beam model was created for determining the shear friction, web bending/axial force interaction, and web shear force checks. The model included staged construction for both the structure and post-tensioning. Hand calculations determined the vertical transfer of web forces into the north diaphragm. A three-dimensional plate model was utilized to estimate the horizontal transfer of web forces into the north diaphragm. The model included the end region of the deck and diaphragm accounting for the transverse and longitudinal post-tensioning.

To bracket the structural behavior, the following construction stages were investigated as applicable:


Load Case T – Structure placed on the SPMT (Self Propelled Modular Transporter) with all the post-tensioning stressed in the order outlined in the RFC Plans. Note that the structure at this stage is supported at the deck near Web 2/3 and Web 9/10.

Load Case A – Structure is then placed on the end supports, which are located at the south end diaphragm (Web 1/2/deck), and the north end diaphragm (Web 11/12/deck). All post-tensioning is still stressed.

Load Case B – Same as Load Case A with the post-tensioning bars in Webs 2 and 11 fully de-tensioned.

Load Case C – Same as Load Case B with the post-tensioning bars in Webs 2 and 11 restressed to their initial force.

Given that the structure is erected in stages the state of forces in the structure, especially near the supports is slightly different between Load Case A and C. The Web 2 and 11 PT bars are stressed during Case T, with relatively little loading in Webs 2 and 11. Then the structure is placed on end supports in Case A and the full weight of the span is essentially on Webs 2 and 11, producing a substantial amount of compression in these elements. This additional compression reduces the post-tensioning force in Webs 2 and 11. In Case B the post-tensioning bars in Webs 2 and 11 are then de-tensioned. In Case C they are then re-tensioned to their initial value as was done in Case T. The net affect of these steps is such that Load Case C produced most of the controlling loads.

	Project	FIU	Date	19 JULY 2018	Page Of
	Project Number		Designed	CTB	
	Description	CONTRACT PLANS FOF S	Checked		

LOADINGS FOR MODEL CHECK

THIS IS A SIMPLE HAND
CHECK ESTIMATE OF D.L.
(SELF WT.) TO COMPARE/
CHECK COMPUTER MODEL

MAIN SPAN SIMPLE SUPPORTS

DEAD WEIGHT

$$\text{LOWER CHORD } 45.203(175')(0.150) = 1186.6^k$$

$$\text{UPPER CHORD } 16.435(175')(0.150) = 431.4^k$$

$$W\phi 1 \quad 3.000(1.750)(15.815)(0.150) = 12.5^k$$

$$W\phi 2 \quad 3.000(1.750)(38.905)(0.150) = 30.6^k$$

$$W\phi 3 \quad 2.000(1.750)(16.496)(0.150) = 8.7^k$$

$$W\phi 4 \quad 2.000(1.750)(35.649)(0.150) = 18.7^k$$

$$W\phi 5 \quad 2.000(1.750)(15.815)(0.150) = 8.3^k$$

$$W\phi 6 \quad 2.000(1.750)(31.469)(0.150) = 16.5^k$$

$$W\phi 7 \quad 2.000(1.750)(17.018)(0.150) = 8.9^k$$

$$W\phi 8 \quad 2.000(1.750)(26.498)(0.150) = 13.9^k$$

$$W\phi 9 \quad 2.000(1.750)(21.755)(0.150) = 11.4^k$$

$$W\phi 10 \quad 2.000(1.750)(20.153)(0.150) = 10.6^k$$

$$W11 \quad 2.000(1.750)(29.795)(0.150) = 15.6^k$$

$$W12 \quad 2.875(1.750)(15.815)(0.150) = 11.9^k$$

$$\underline{1785.6^k}$$

$$\text{STAY BLOCKS } (11.000)(3.250)(1.250)(0.150) = 6.70(5) = 33.5^k$$

$$\text{CURBS } 0.833(0.583)(0.150)(2) = 0.146^k/\text{ft}(175') = 25.6^k$$

$$\underline{1844.7^k}$$

$$\underline{(922.35^k/\text{END})}$$

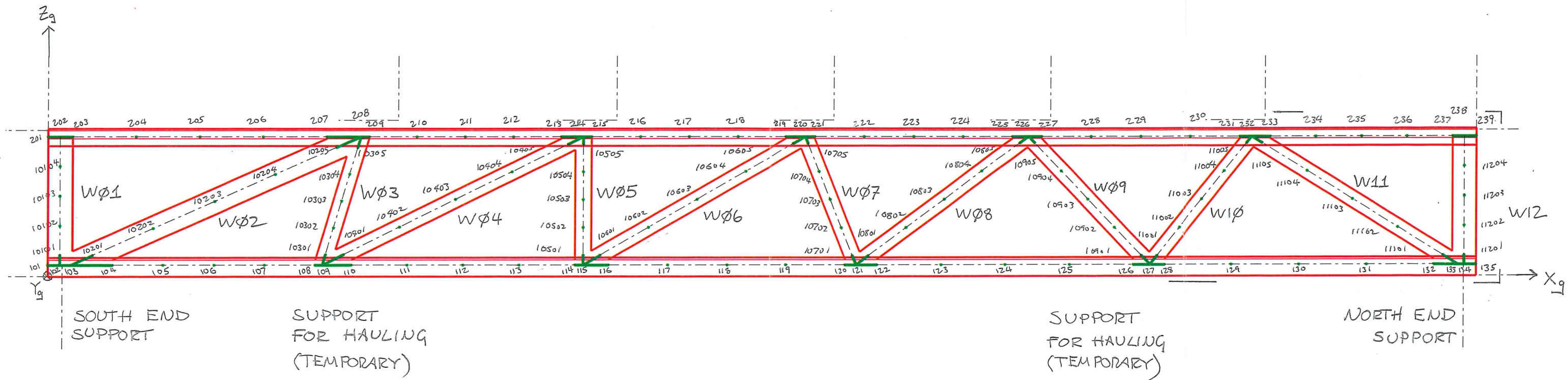
$$\text{NORTH DIAPHRAGM } 7.05^k/\text{ft}(2.000') = 14.10^k$$


$$\text{SOUTH DIAPHRAGM } 7.05^k/\text{ft}(3.500') = 24.68^k$$

$$\underline{922.35 + 14.10 = 936.35^k \text{ - NORTH END REACTION}}$$

2D LARSA FRAME MODEL

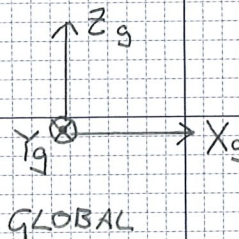
LARSA V8.00.8000
STAGED CONSTR. w/ PT TENDONS & BARS.
Ø3_MAIN_BEAM_PT BARS_NEW.LAR



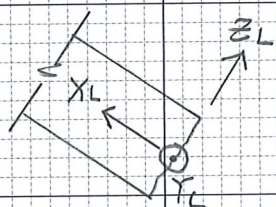
	Project FIU	Date 19 JULY 2013	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FOF S	Checked	

SIGN CONVENTION AT PYLON SUPPORT

POSITIVE DIRECTIONS SHOWN

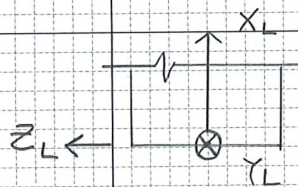


LOCAL ON MEMBER

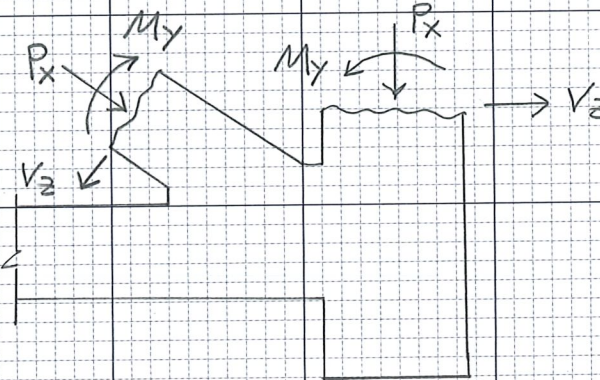



WEB 11

LOCAL ON MEMBER

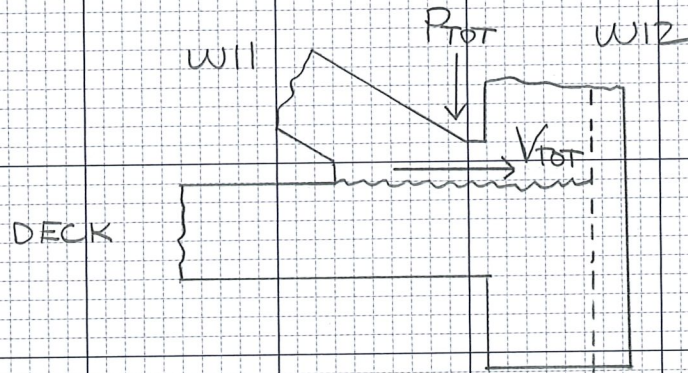


WEB 12



	Project FIU	Date 1 AUG 2018	Page Of
	Project Number	Designed CJB	
	Description CONTRACT PLANS FOfS	Checked	

SUMMARIZE SHEAR FRICTION LOADS (CASE 1) AT WEB 11/12 DECK HORIZONTAL INTERFACE



CASE A - w/ PT BARS (ON END SUPPORTS)

$$V_{DL} = 1074 + 70 = 1144^k$$

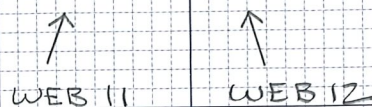
$$P_{DL} = 671 + 66 = 737^k$$


$$V_{PT} = 454 - 6 = 448^k$$

$$P_{PT} = 289 + 2 = 291^k$$

$$V_{TOT} = 1528 + 64 = 1592^k$$

$$P_{TOT} = 960 + 68 = 1028^k$$



	Project FIU	Date 1 Aug 2018	Page / Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FOF S	Checked	

CASE B - w/o PT BARS (ON END SUPPORTS)

$$V_{DL} = 1143 + 72 = 1215^k$$

$$P_{DL} = 714 + 67 = 781^k$$

$$V_{PT} = 4 - 20 = -16^k$$

$$P_{PT} = 6 - 5 = 1^k$$

$$V_{TOT} = 1147 + 52 = 1199^k$$

$$P_{TOT} = 720 + 62 = 782^k$$

CASE C - RESTRESS PT BARS (ON END SUPPORTS)

$$V_{DL} = 1143 + 72 = 1215^k$$

$$P_{DL} = 714 + 67 = 781^k$$

$$V_{PT} = 452 - 6 = 446^k$$


$$P_{PT} = 288 + 2 = 290^k$$

$$V_{TOT} = 1595 + 66 = 1661^k$$

$$P_{TOT} = 1002 + 69 = 1071^k$$

↑
WEB 11

↑
WEB 12

	Project FIU	Date 1 Aug 2018	Page / Of
	Project Number	Designed GTB	
	Description CONTRACT PLANS FOF S	Checked	

CASE A - W/ PT BARS

USE INTENTIONALLY
ROUGHENED INTERFACE

$$A_{cr} = 76.50 - 10.50 = 66.00 (21.00) \\ - 2 \left[\pi (1.375)^2 \right] / \sin 32.1^\circ$$

$$A_{cr} = 1364 \text{ in}^2$$

$$P_c = 1028 \text{ K}$$

$$C = 0.24 \text{ ksi} \\ \mu = 1.00 \\ K_1 = 0.25 \\ K_2 = 1.50 \text{ ksi} \\ \phi = 0.90 / 1.00 \text{ FOR FOF S}$$

$$V_{n,max} = K_1 f_c' A_{cr}$$

$$V_{n,max} = K_2 A_{cr}$$

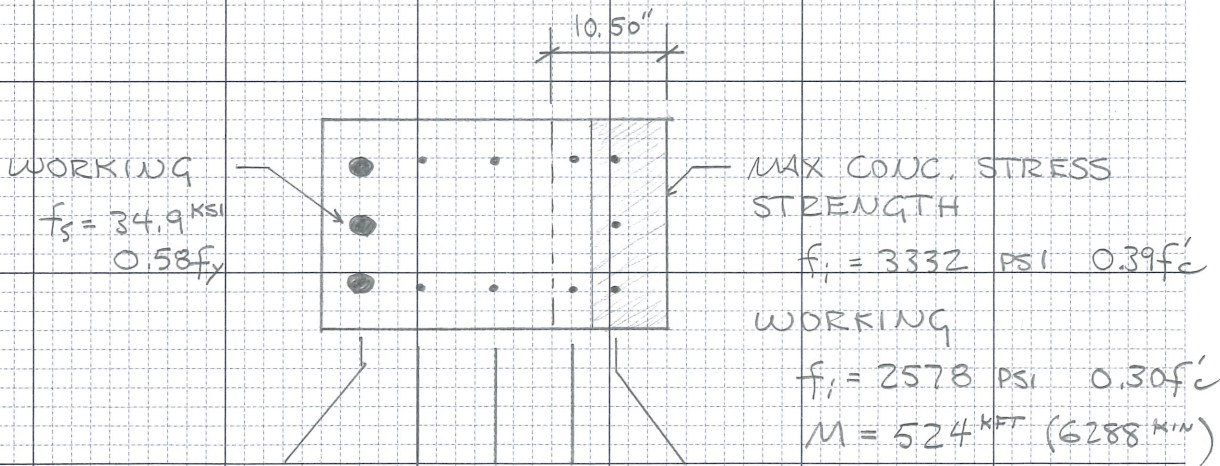
"WEB IZ CALCS. XPT"
XTRACT V3.1.3

IN WEB MEMBER IZ (FOR XTRACT MODEL)

$$M_{Iz,u} = 1.25 (616) + 1.00 (-92) = 678 \text{ KFT} (8136 \text{ KILO})$$


#59
#78

$$P_{Iz,u} = 0.90 (66) + 1.00 (2) = 61 \text{ K}$$



STRENGTH	46.2 ^{ksi}	31.3	16.7	2.1	-12.6
STEEL					
STRESS	0.78	0.52	0.28	0.04	-0.21
σ/f_y					

* DO NOT INCLUDE BUMP-OUT REGION BEYOND DIAPHRAGM (OR ITS REINF. FOR INTERFACE SHEAR) DUE TO LACK OF CONFINING REINF. IN DECK IN THIS REGION.

	Project	FIU	Date	1 Aug 2018	Page Of
	Project Number		Designed	CTB	
	Description	CONTRACT PLANS FofS	Checked		

USE THE FOLLOWING BARS FOR A_{cf}

$$\left. \begin{array}{l} 3-11501's \quad 3(1.56)(1-0.78) = 1.03 \\ 2-7501's \quad 2(0.60)(1-0.52) = 0.58 \\ 2-7501's \quad 2(0.60)(1-0.28) = 0.86 \end{array} \right\} \text{WEB 12}$$

$$8-7501's \quad 8(0.60) \sin 32.1^\circ = 2.55 \quad \left. \vphantom{\begin{array}{l} 8-7501's \\ 8-7501's \\ 4-6507's \end{array}} \right\} \text{WEB 11}$$

$$\left. \begin{array}{l} 8-7501's \quad 8(0.60) = 4.80 \\ 4-6507's \quad 4(0.44) = 1.76 \end{array} \right\} \text{DECK}$$


$$11.58 \text{ in}^2$$

$$A_{cf} = 11.58 \text{ in}^2$$

$$V_{n_i, \max} = 0.25(8.50)(1364) = 2899^k \quad (K1)$$

$$V_{n_i, \max} = 1.50(1364) = 2046^k \quad (K2) \quad \leftarrow \text{SEE NEXT PG.}$$

$$A_{cf, \min} = \frac{0.05 A_{cv}}{f_y} = \frac{0.05(1364)}{60} = 1.14 \text{ in}^2 < 11.58 \text{ in}^2 \therefore \text{O.K.}$$

	Project	FIU	Date	1 AUG 2018	Page Of
	Project Number		Designed	CTB	
	Description	CONTRACT PLANS FOF S	Checked		

$$V_{n_i} = C A_{cr} + U (A_{vf} f_y + P_c)$$

$$V_{n_i} = 0.24(1364) + 1.00 [11.58(60) + 1028] = 2050^k$$


$$V_{n_i} = 2050 < 2899 = 2050^k$$

WITH ALL FACTORS SET TO 1.00
USE ONLY K_1 $V_{n_i, \max}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_n = 1.00 (2050) = 2050^k$$

$$V_u = 1.00 [1.00(1144) + 1.00(448)] = 1592^k < 2050^k \quad \text{FoFS} = 1.29$$

CASE A
(EQ)
w/o K_2

	Project	FIU	Date	1 AUG 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOR S	Checked		

CASE B - w/o PT BARS

$$A_{cr} = 1364 \text{ in}^2$$

$$P_c = 782 \text{ k}$$

IN WEB MEMBER 12

$$M_{12,u} = 1.25(632) + 1.00(-195) = 595 \text{ KFT} \quad (7140 \text{ KW}) \quad \begin{matrix} \#49 \\ \#68 \end{matrix}$$

$$P_{12,u} = 0.9(67) + 1.00(-5) = 55 \text{ k}$$

SEE PREVIOUS CALC'S FOR
DETAILS ON IMPACT TO WEB 12 REINF.

$$3 - 11\text{S01's} \rightarrow 40.4 \text{ ksi} \quad 0.67f_y \quad \sim \text{WORKING} \quad 28.8 \text{ ksi} \quad 0.48f_y$$

$$2 - 7\text{S01's} \rightarrow 27.2 \text{ ksi} \quad 0.45f_y$$

$$2 - 7\text{S01's} \rightarrow 14.5 \text{ ksi} \quad 0.24f_y$$

$$2 - 7\text{S01's} \rightarrow 1.8 \text{ ksi}$$

$$3 - 7\text{S02's} \rightarrow -11.0 \text{ ksi}$$

$$\text{MAX COMPRESSIVE STRESS CONC.} \rightarrow 2904 \text{ PSI} \quad 0.34f'_c$$

$$\text{WORKING} \rightarrow 2159 \text{ PSI} \quad 0.25f'_c$$

FOR A_{vf}

$$3 - 11\text{S01's} \quad 3(1.56)(1 - 0.67) = 1.54 \text{ in}^2$$

$$2 - 7\text{S01's} \quad 2(0.60)(1 - 0.45) = 0.66 \text{ in}^2$$

$$2 - 7\text{S01's} \quad 2(0.60)(1 - 0.24) = 0.91 \text{ in}^2$$


$$8 - 7\text{S01's} \quad 8(0.60) \sin 32.1^\circ = 2.55 \text{ in}^2$$

$$8 - 7\text{S01's} \quad 8(0.60) = 4.80 \text{ in}^2$$

$$4 - 6\text{S07's} \quad 4(0.44) = 1.76 \text{ in}^2$$

$$\underline{\underline{12.22 \text{ in}^2}}$$

$$A_{vf} = 12.22 \text{ in}^2$$

	Project	FIU	Date	1 Aug 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOF S	Checked		

$$\sqrt{V_{i \max}} = 0.25(8.50)(1364) = 2899^k$$


$$\sqrt{V_{i \max}} = 1.50(1364) = 2046^k$$

$$\sqrt{V_{i \max}} = 0.24(1364) + 1.00[2.22(60) + 782] = 1843^k \leftarrow$$

$$\phi V_n = 1.00(1843) = 1843^k$$

$$V_u = 1.00[1.00(1215) + 1.00(-16)] = 1199^k < 1843^k \quad \text{FoS} = 1.55$$

CASE B
(EQ)

	Project	FIU	Date	1 AUG 2018	Page Of
	Project Number		Designed	CTB	
	Description	CONTRACT PLANS F OF S	Checked		

CASE C - RESTRESS PT BARS

$$A_{cv} = 1364 \text{ in}^2$$

$$P_c = 1071 \text{ k}$$

IN WEB MEMBER 12

$$M_{12,u} = 1.25(632) + 1.00(-92) = 698 \text{ kft} \quad (8376 \text{ kiw})$$

#61
#80

$$P_{12,u} = 0.90(67) + 1.00(2) = 62 \text{ k}$$

SEE PREVIOUS CALC'S FOR
DETAILS ON IMPACT TO WEB 12 REINF.

- 3 - 11501's → 47.7 ksi 0.80f_y ~ WORKING 36.1 ksi 0.60f_y
- 2 - 7501's → 32.1 ksi 0.54f_y
- 2 - 7501's → 17.1 ksi 0.29f_y
- 2 - 7501's → 2.2 ksi
- 3 - 7502's → -12.9 ksi

MAX COMPRESSIVE STRESS CONC → 3417 psi 0.40f'_c
 WORKING → 2666 psi 0.31f'_c

FOR A_{vf}

$$3 - 11501's \quad 3(1.56)(1 - 0.80) = 0.94 \text{ in}^2$$

$$2 - 7501's \quad 2(0.60)(1 - 0.54) = 0.52 \text{ in}^2$$

$$2 - 7501's \quad 2(0.60)(1 - 0.29) = 0.85 \text{ in}^2$$


$$8 - 7501's \quad 8(0.60) \sin 32.1^\circ = 2.55 \text{ in}^2$$

$$8 - 7501's \quad 8(0.60) = 4.80 \text{ in}^2$$

$$4 - 6507's \quad 4(0.44) = 1.76 \text{ in}^2$$

$$\underline{11.42 \text{ in}^2}$$

$$A_{vf} = 11.42 \text{ in}^2$$

	Project FIU	Date 1 Aug 2018	Page Of
	Project Number	Designed GTB	
	Description CONTRACT PLANS FofS	Checked	

$$V_{n_i, \max} = 0.25(8.50)(1364) = 2899^k$$

$$V_{n_i, \max} = 1.50(1364) = 2046^k \leftarrow$$

$$V_{n_i} = 0.24(1364) + 1.00[11.42(60) + 1071] = 2084^k$$


$$V_{n_i} = 2084 < 2899^k = 2084^k$$

WITH ALL FACTORS SET TO 1.00
USE ONLY $K_1 V_{n_i, \max}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_n = 1.00(2084) = 2084^k$$

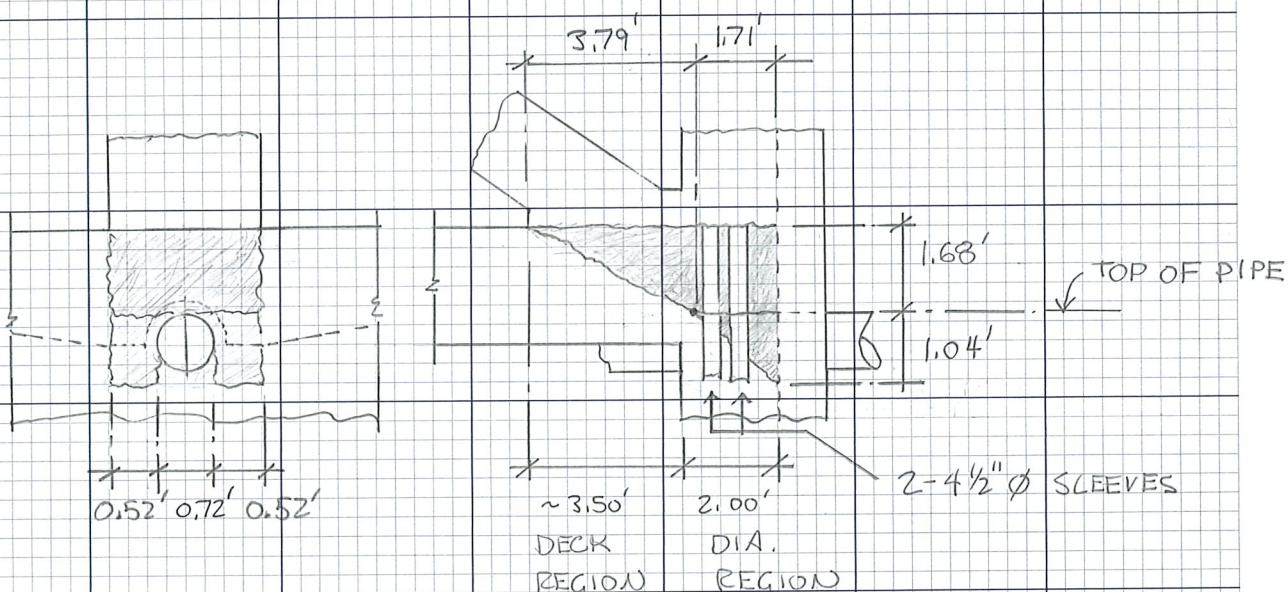
$$V_u = 1.00[1.00(1215) + 1.00(446)] = 1661^k < 2084^k \text{ FofS} = 1.25$$

CASE C
(EQ)
w/o. K2

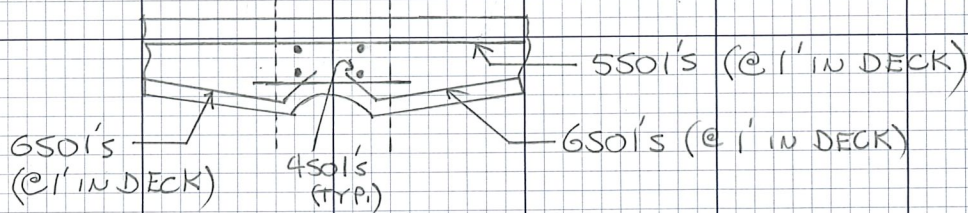
	Project FIU	Date 1 Aug 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FOS	Checked	

SUMMARIZE SHEAR FRICTION LOADS (CASE Z) AT WEB 11/12 DECK ALONG SLOPE OF WEB 11

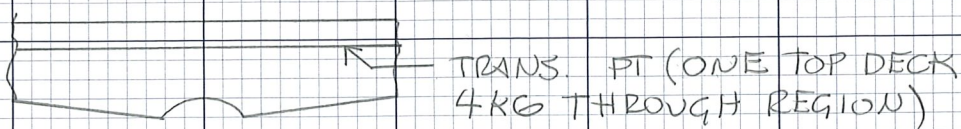
FIRST LOOK AT WHICH REINFORCEMENT CROSSES PLANE OF NODE AS DEFINED BY WEB STRUTS.




DECK REGION REINF. (THROUGH SIDE & LONG. DECK DIRECTION)




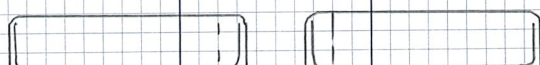









DECK REGION TRANS. PT. (THROUGH SIDE)



	Project FIU	Date 1 Aug 2018	Page Of
	Project Number	Designed GJB	
	Description CONTRACT PLANS FofS	Checked	

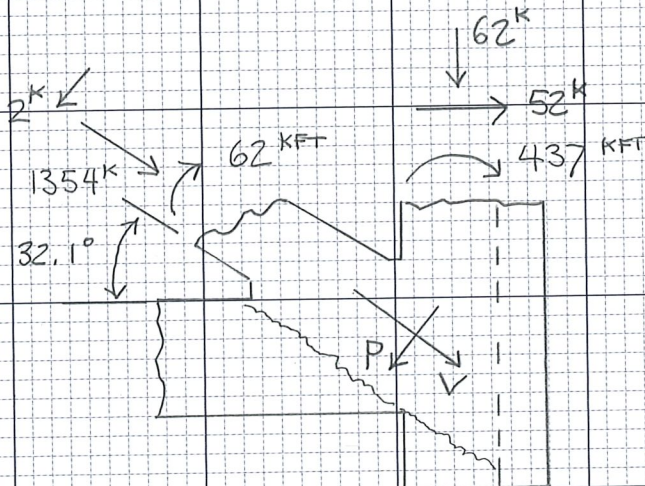
SUMMARY OF DIAPHRAGM REINF. THROUGH SIDE

8501's		BELOW PIPE	
8502's		BELOW PIPE	
8503's		AT PIPE	
8504's		AT PIPE	
8505's		ABOVE PIPE	
8506's		ABOVE PIPE	
11501's		BELOW 8-TOTAL PIPE	
5504's		3-BELOW 3-ABOVE PIPE	
4501's		ABOVE PIPE	
5503's		ABOVE PIPES	HOOPS IN SECTION

	Project FIU	Date 1 Aug 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS F of S	Checked	

CASE A, B AND C (I.E. BELOW PT BARS)

SHEAR PLANE ALONG
SLOPE OF WEB 11 BASE




MAJORITY OF LOADING FROM DEAD LOAD
GIVEN PT BARS ARE ABOVE ASSUMED FRICTION
PLANE - USE CASE B RESULTS TO
OBTAIN APPLIED LOADS.


CASE A, B, OR C (DL ONLY)

$$V = 1354 + 62 \sin 32.1^\circ + 52 \cos 32.1^\circ = 1431^k$$

$$P = 62 \cos 32.1^\circ - 52 \sin 32.1^\circ = 25^k$$

	Project FIU	Date 1 Aug 2018	Page / Of
	Project Number	Designed GTB	
	Description CONTRACT PLANS F of S	Checked	

$A_{cr} = 3.79(1.68)(\frac{1}{2}) = 3.18$ $1.71(1.68) = 2.87$ $1.04(1.71)(\frac{1}{2}) = 0.89$ <hr/> 6.94			
$6.94(2) = 13.88$ $5.5(1.75) \frac{1}{\cos 32.1^\circ} = 11.36$ <hr/> 25.24			
$-5.5(0.72) \frac{1}{\cos 32.1^\circ} = -4.67$	SUBTRACT PIPE GAP	} TOTAL	
$4(0.38)(2.03) = -3.08$	SUBTRACT SLEEVES GAP		
<hr/> $17.50 \text{ FT}^2 \text{ OR } 2518 \text{ IN}^2$			
$A_{cf} = 8505's \ 2(0.79) = 1.58$ $8506's \ 2(0.79) = 1.58$ $5504's \ 6(0.31) = 1.86$ $4501's \ 6(0.20) = 1.20$ <hr/> $5501's \ 8(0.31)^T = 2.48$ $4501's \ 4(0.20) \sin 32.1^\circ = 0.43$ <hr/> 9.13 IN^2	STRAIGHT THROUGH DIAPHRAGM DECK		
$A_{cf_{min}} = \frac{0.05(2518)}{60} = 2.10 \text{ IN}^2 < 9.13 \text{ IN}^2 \therefore \text{O.K.}$			
$P_c = 25^k$			

	Project FIU	Date 1 AUG 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FOF S	Checked	

MONOLITHIC CAST REGION

$$C = 0.40 \text{ ksi}$$

$$\mu = 1.40$$

$$K_1 = 0.25$$

$$K_2 = 1.50 \text{ ksi}$$

$$\phi = 0.90 / 1.00 \text{ FOR FOF S}$$

$$V_{ni, \max} = 0.25(8.50)(2518) = 5351^k$$

$$V_{ni, \max} = 1.50(2518) = 3777^k$$

$$V_{ni, \max} = K_1 f'_c A_{cv}$$

$$V_{ni, \max} = K_2 A_{cv}$$


$$V_{ni} = 0.40(2518) + 1.40[9.13(60) + 25] = 1809^k \leftarrow$$

$$\phi V_n = 1.00(1809) = 1809^k$$

$$V_u = 1.00[1.00(1431)] = 1431^k < 1809^k \quad \text{FOFS} = 1.26$$

CASE A, B & C
(EQ)

THIS IS A REGION OF SIGNIFICANT DISCONTINUITY - ADDITIONAL FUTURE DETAILED ANALYSIS SHOULD BE PERFORMED

	Project FIU	Date 10 AUG 2018	Page / Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FofS	Checked	

CASE A - w/ PT BARS (ON END SUPPORTS)

$$V_{DL} = 384 + 1074 = 1458^k$$

$$P_{DL} = 479 - 657 = -178^k \leftarrow (-) \text{ COMPRESSION ON MEMBER (TYP.)}$$

$$V_{PT} = -961 + 454 = -507^k$$

$$P_{PT} = -1217 - 289 = -1506^k$$

$$V_{TOT} = -577 + 1528 = 951^k$$

$$P_{TOT} = -738 - 946 = -1684^k$$

CASE B - w/o PT BARS (ON END SUPPORTS)

$$V_{DL} = 384 + 1143 = 1527^k$$

$$P_{DL} = 479 - 700 = -221^k$$

$$V_{PT} = -963 + 4 = -959^k$$

$$P_{PT} = -1213 - 6 = -1219^k$$

$$V_{TOT} = -579 + 1147 = 568^k$$

$$P_{TOT} = -734 - 706 = -1440^k$$

CASE C - RESTRESS PT BARS (ON END SUPPORTS)

$$V_{DL} = 384 + 1143 = 1527^k$$

$$P_{DL} = 479 - 700 = -221^k$$

$$V_{PT} = -961 + 452 = -509^k$$


$$P_{PT} = -1217 - 288 = -1505^k$$

$$V_{TOT} = -577 + 1595 = 1018^k$$

$$P_{TOT} = -738 - 988 = -1726^k$$

↑
WEB 10

↑
WEB 11

	Project FIU	Date 16 Aug 2018	Page / Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FOF S	Checked	

CASE T - w/PT BARS (ON HAULING SUPPORTS)

USE INTENTIONALLY
ROUGHENED INTERFACE

$C = 0.24 \text{ ksi}$
 $\mu = 1.00$
 $K_1 = 0.25$
 $K_2 = 1.50 \text{ ksi}$
 $\phi = 0.90/1.00 \text{ FOR FOF S}$

$$A_{cr} = 58.00(21.00) = 1218$$

$$-2 \left[\frac{1(1.375)^2}{\sin 32.1^\circ} \right] = -22$$

$$-4 \left[\frac{1(2.000)^2}{\sin 51.2^\circ} \right] = -64$$

$$1132 \text{ in}^2$$

$$V_{n1, \max} = K_1 \phi A_{cr}$$

$$V_{n2, \max} = K_2 A_{cr}$$

$$P_c = 1586^k$$

$$A_{vf} \quad 8 \#7's \quad 0.60(8) \sin 32.1^\circ = 2.55$$

$$8 \#7's \quad 0.60(8) \sin 51.2^\circ = 3.74$$

$$6 \text{ S01's} \quad 10(0.44) = 4.40$$

$$6 \text{ S04's} \quad 4(0.44) = 1.76$$


$$12.45 \text{ in}^2$$

$$A_{vf} = 12.45 \text{ in}^2$$

$$A_{vf, \min} = \frac{0.05(1132)}{60} = 0.94 \text{ in}^2 < 12.45 \text{ in}^2 \therefore \text{O.K.}$$

$$V_{n1, \max} = 0.25(8.50)(1132) = 2405^k$$

$$V_{n2, \max} = 1.50(1132) = 1698^k \leftarrow \text{SEE NEXT PG.}$$

	Project FIU	Date 16 AUG 2018	Page / Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FofS	Checked	

$$V_{n_i} = 0.24(1132) + 1.00 [12.45(60) + 1586] = 2606^k$$


$$V_{n_i} = 2606^k > 2405^k$$

WITH ALL FACTORS SET TO 1.00
USE ONLY K_1 , $V_{n_i, max}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_{n_i} = 1.00(2405) = 2405^k$$

$$V_u = 1.00 [1.00(465) + 1.00(507)] = 972^k < 2405^k \quad FofS = 2.47$$

CASE T
(K1)
w/o K2

	Project	FIU	Date	16 Aug 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOF S	Checked		

CASE A - w/ PT BARS (ON END SUPPORTS)

$$A_{cr} = 1132 \text{ in}^2$$

$$A_{fc} = 12.45 \text{ in}^2$$

$$P_c = 1684 \text{ k}$$

$$V_{n_i, \max} = 0.25(8.50)(1132) = 2405 \text{ k}$$

$$V_{n_i, \max} = 1.50(1132) = 1698 \text{ k} \leftarrow$$

$$V_{n_i} = 0.24(1132) + 1.00[12.45(60) + 1684] = 2703 \text{ k}$$


$$V_{n_i} = 2703 \text{ k} > 2405 \text{ k}$$

WITH ALL FACTORS SET TO 1.00
USE ONLY K_1 $V_{n_i, \max}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_n = 1.00(2405) = 2405 \text{ k}$$

$$V_u = 1.00[1.00(1458) + 1.00(-507)] = 951 \text{ k} < 2405 \text{ k} \quad F_{oFS} = 2.53$$

CASE A
(K1)
w/ K2

	Project	FIU	Date	16 AUG 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOF5	Checked		

CASE B - w/o PT BARS (ON END SUPPORTS)

$$A_{cr} = 1132 \text{ in}^2$$

$$A_{vf} = 12.45 \text{ in}^2$$

$$P_c = 1440 \text{ k}$$

$$V_{ni, \max} = 0.25(8.50)(1132) = 2405 \text{ k}$$

$$V_{ni, \max} = 1.50(1132) = 1698 \text{ k} \leftarrow$$

$$V_{ni} = 0.24(1132) + 1.00[12.45(60) + 1440] = 2459 \text{ k}$$


$$V_{ni} = 2459 \text{ k} > 2405 \text{ k}$$

WITH ALL FACTORS SET TO 1.00
USE ONLY K_1 , $V_{ni, \max}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_n = 1.00(2405) = 2405 \text{ k}$$

$$V_u = 1.00[1.00(1527) + 1.00(-959)] = 568 \text{ k} < 2405 \text{ k} \quad F_{ofS} = 4.23$$

CASE B
(K1)
w/o K2

	Project FIU	Date 16 Aug 2013	Page Of
	Project Number	Designed CJB	
	Description CONTRACT PLANS FOF5	Checked	

CASE C - RESTRESSED PT BARS (ON END SUPPORTS)

$$A_{cr} = 1132 \text{ in}^2$$

$$A_{vf} = 12.45 \text{ in}^2$$

$$P_c = 1726 \text{ k}$$

$$V_{ni, \max} = 0.25(8.50)(1132) = 2405 \text{ k}$$

$$V_{ni, \max} = 1.50(1132) = 1698 \text{ k} \leftarrow$$

$$V_{ni} = 0.24(1132) + 1.00[12.45(60) + 1726] = 2745 \text{ k}$$


$$V_{ni} = 2745 \text{ k} > 2405 \text{ k}$$

WITH ALL FACTORS SET TO 1.00
USE ONLY K_1 $V_{ni, \max}$ CRITERIA
(SEE COMMENTARY IN GRED)

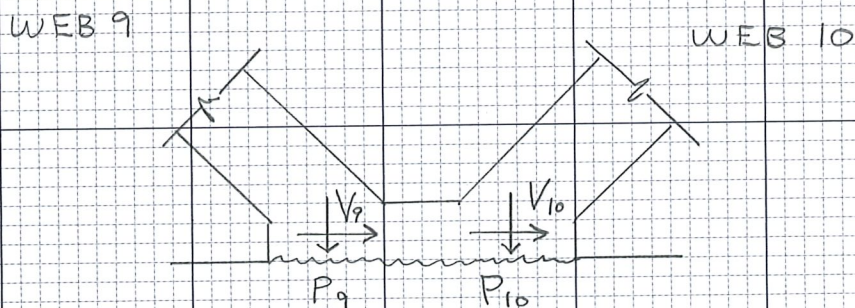
$$\phi V_{ni} = 1.00(2405) = 2405 \text{ k}$$

$$V_u = 1.00[1.00(1527) + 1.00(-509)] = 1018 \text{ k} < 2405 \text{ k} \quad F_oF5 = 2.36$$

CASE C
(K1)
w/o K2

	Project	FIU	Date	20 Aug 2018	Page Of
	Project Number		Designed	CTB	
	Description	CONTRACT PLANS FOPS	Checked		

SUMMARIZE SHEAR FRICTION
LOADS AT
WEB 9/10 DECK HORIZONTAL INTERFACE



CASE T - w/ PT BARS (ON HAULING SUPPORTS)

$$V_{DL} = -370 + 205 = -165^k$$

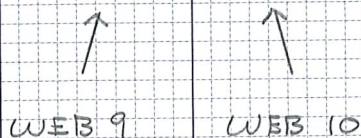
$$P_{DL} = 398 + 264 = 662^k \leftarrow (+) \text{ COMPRESSION ON MEMBER (TYP)}$$


$$V_{PT} = -8 + 961 = 953^k$$

$$P_{PT} = 16 + 1217 = 1233^k$$


$$V_{TOT} = -378 + 1166 = 788^k$$

$$P_{TOT} = 414 + 1481 = 1895^k$$



	Project FIU	Date 20 Aug 2018	Page Of
	Project Number	Designed GTB	
	Description CONTRACT PLANS FofS	Checked	

CASE A - W/PT BARS (ON END SUPPORTS)			
$V_{DL} =$	$-340 -$	$384 =$	-165^k
$P_{DL} =$	$356 -$	$470 =$	$662^k \leftarrow (+) \text{ COMPRESSION ON MEMBER (TYP.)}$
$V_{PT} =$	$-8 +$	$961 =$	953^k
$P_{PT} =$	$16 +$	$1217 =$	1233^k
$V_{TOT} =$	$-348 +$	$577 =$	788^k
$P_{TOT} =$	$372 +$	$747 =$	1895^k
CASE B - W/O PT BARS (ON END SUPPORTS)			
$V_{DL} =$	$-341 -$	$384 =$	-725^k
$P_{DL} =$	$359 -$	$470 =$	-111^k
$V_{PT} =$	$-1 +$	$963 =$	962^k
$P_{PT} =$	$10 +$	$1213 =$	1223^k
$V_{TOT} =$	$-342 +$	$579 =$	237^k
$P_{TOT} =$	$369 +$	$743 =$	1112^k
CASE C - RESTRESS PT BARS (ON END SUPPORTS)			
$V_{DL} =$	$-341 -$	$384 =$	-725^k
$P_{DL} =$	$359 -$	$470 =$	-111^k
$V_{PT} =$	$-8 +$	$961 =$	953^k
$P_{PT} =$	$16 +$	$1217 =$	1233^k
$V_{TOT} =$	$-349 +$	$577 =$	228^k
$P_{TOT} =$	$375 +$	$747 =$	1122^k
	↑	↑	
	WEB 9	WEB 10	

	Project FIU	Date 20 AUG 2018	Page Of
	Project Number	Designed GTB	
	Description CONTRACT PLANS FofS	Checked	

CASE T-w/PT BARS (ON HAULING SUPPORTS)

USE INTENTIONALLY
ROUGHENED INTERFACE

$$A_{cr} = 67.00 (21.00) = 1407$$

$$-4 \left[\pi (2.000)^2 \right] \frac{1}{\sin 51.2^\circ} = -64$$

1343 in²

$$P_c = 1895^k$$

$$A_{vf} \quad 8\#7's \quad 0.60 (8) \sin 51.2^\circ = 3.74$$

$$8\#7's \quad 0.60 (8) \sin 47.4^\circ = 3.53$$

$$7501's \quad 12 (0.60) = 7.20$$

$$6506's \quad 4 (0.44) = 1.76$$


16.23 in²

$$A_{vf} = 16.23 \text{ in}^2$$

$$A_{K_{min}} = \frac{0.05 (1343)}{60} = 1.12 \text{ in}^2 < 16.23 \text{ in}^2 \therefore \text{O.K.}$$

$$V_{ni_{max}} = 0.25 (8.50) (1343) = 2854^k$$

$$V_{ni_{max}} = 1.50 (1343) = 2015^k \leftarrow \text{SEE NEXT PG.}$$

	Project FIU	Date 20 AUG 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS F _o F _S	Checked	

$$V_{n_i} = 0.24(1343) + 1.00[6.23(60) + 1895] = 3191^k$$


$$V_{n_i} = 3191^k > 2854^k$$

WITH ALL FACTORS SET TO 1.00
USE ONLY $K_1 V_{n_i, max}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_{n_i} = 1.00(2854) = 2854^k$$

$$V_u = 1.00[1.00(-165) + 1.00(953)] = 788^k < 2854^k \quad F_{o}F_{S} = 3.62$$

CASE T
(K1)
w/o K2

	Project	FIU	Date	20 AUG 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOF5	Checked		

CASE A - w/ PT BARS (ON END SUPPORTS)

$$A_{cr} = 1343 \text{ in}^2$$

$$A_{vf} = 16.23 \text{ in}^2$$

$$P_c = 1119^k$$

$$V_{ni, \max} = 0.25(8.50)(1343) = 2854^k$$

$$V_{ni, \max} = 1.50(1343) = 2015^k \leftarrow$$

$$V_{ni} = 0.24(1343) + 1.00[16.23(60) + 1119] = 2415^k$$


$$V_{ni} = 2415^k < 2854^k$$

WITH ALL FACTORS SET TO 1.00
USE ONLY K_1 $V_{ni, \max}$ CRITERIA
(SEE COMMENTARY IN CRFD)

$$\phi V_{ni} = 1.00(2415) = 2415^k$$

$$V_u = 1.00[1.00(-724) + 1.00(953)] = 229^k < 2415^k \quad F_oF5 = 10.55$$

CASE A
(EQ)
w/o K_2

	Project	FIV	Date	20 AUG 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FofS	Checked		

CASE B - w/o PT BARS (ON END SUPPORTS)

$$A_{cr} = 1343 \text{ in}^2$$

$$A_{vf} = 16.23 \text{ in}^2$$

$$P_c = 1112 \text{ k}$$

$$V_{ni, \max} = 0.25(8.50)(1343) = 2854 \text{ k}$$

$$V_{ni, \max} = 1.50(1343) = 2015 \text{ k} \leftarrow$$

$$V_{ni} = 0.24(1343) + 1.00[16.23(60) + 1112] = 2408 \text{ k}$$

$$V_{ni} = 2408 \text{ k} < 2854 \text{ k}$$

WITH ALL FACTORS SET TO 1.00
USE ONLY K_1 , $V_{ni, \max}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_{ni} = 1.00(2408) = 2408 \text{ k}$$

$$V_u = 1.00[1.00(-725) + 1.00(962)] = 237 \text{ k} < 2408 \text{ k} \quad F_{osS} = 10.16$$

CASE B
(EQ)
w/o K_2

	Project	FIU	Date	20 AUG 2018	Page / of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOF5	Checked		

CASE C - RESTRESSED PT BARS (ON END SUPPORTS)

$$A_{cr} = 1343 \text{ in}^2$$

$$A_{vg} = 16.23 \text{ in}^2$$

$$P_c = 1122 \text{ k}$$

$$V_{ni,max} = 0.25(8.50)(1343) = 2854 \text{ k}$$

$$V_{ni,max} = 1.50(1343) = 2015 \text{ k} \leftarrow$$

$$V_{ni} = 0.24(1343) + 1.00[16.23(60) + 1122] = 2418 \text{ k}$$


$$V_{ni} = 2418 \text{ k} < 2854 \text{ k}$$

WITH ALL FACTORS SET TO 1.00
USE ONLY K_1 , $V_{ni,max}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_{ni} = 1.00(2418) = 2418 \text{ k}$$

$$V_u = 1.00[1.00(-725) + 1.00(953)] = 228 < 2418 \quad F_oFS = 10.61$$

CASE C
(EQ)
% K2


	Project	FIU	Date	23 AUG 2018	Page Of
	Project Number		Designed	CJB	
	Description	CONTRACT PLANS FOF S	Checked		

CHECK WEB MEMBERS VIA
AXIAL/BENDING INTERACTION - WEB MEMBERS 10, 11 & 12

ASSUME PT BARS UNGROUTED (FOR CHECKING ONLY) AND ARE EXTERNAL APPLIED LOADS. THUS CONSERVATIVELY IGNORE RESTORING FORCE FROM BUCKLING TYPE DISPLACEMENTS FOR APPLICABLE GROUTED PT BARS.

WEB MEMBER 10

CASE	LOAD	DL	PT	TOTAL
T HAULING SUPPORTS w/PT	P	334	1550	1884 ^K
	M	21	-2	19 ^{KFF}
	V	3	0	3 ^K
A END SUPPORTS w/PT	P	-607	1551	944 ^K
	M	75	2	77 ^{KFF}
	V	10	0	10 ^K
B END SUPPORTS w/w/o PT	P	-607	1549	942 ^K
	M	81	-43	38 ^{KFF}
	V	11	-5	6 ^K
C END SUPPORTS w/w/o PT RESTRESSED	P	-607	1551	944 ^K
	M	82	2	84 ^{KFF}
	V	11	0	11 ^K

	Project FIU	Date 23 Aug 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FofS	Checked	

ENVELOPE CASES (ALL FACTORS = 1.00)

$$P_{u, \max} = 1.00(334) + 1.00(1550) = 1884^k \leftarrow \text{CASE T/A}$$

$$P_{u, \min} = 1.00(-607) + 1.00(1549) = 942^k$$

$$M_{u, \max} = 1.00(82) + 1.00(2) = 84^{k\text{ft}} \leftarrow \text{CASE C}$$

SEE NEXT PAGE FOR RESULTS

ESTIMATE P_{cr} WITH $K=1.00$ (SIMPLE ENDS)

$$P_{cr} = \frac{\pi^2 EI_w}{(KL)^2}$$

$$E = 57,850(144) = 756740 \text{ KSF}$$

$$A = 2.00(1.75) = 3.50 \text{ FT}^2$$

$$I_w = \frac{1}{2}(2.00)(1.75)^3 = 0.893 \text{ FT}^4$$

$$I_s = \frac{1}{2}(1.75)(2.00)^3 = 1.167 \text{ FT}^4$$

CHECK FOR CRACKED SECTION

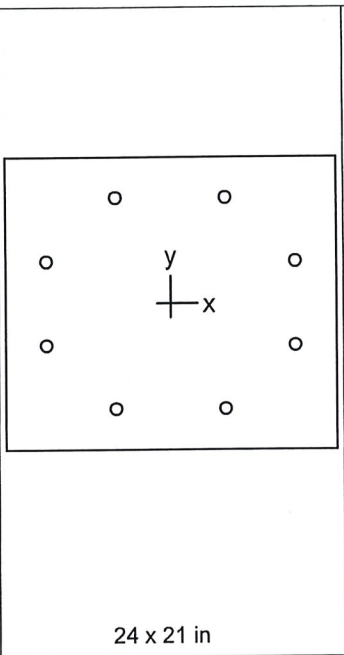
$$f = \frac{-942}{3.50} + \frac{84(1.00)}{1.167} = -197^{k\text{SF}} \quad \text{NOT CRACKED}$$

USE I_g

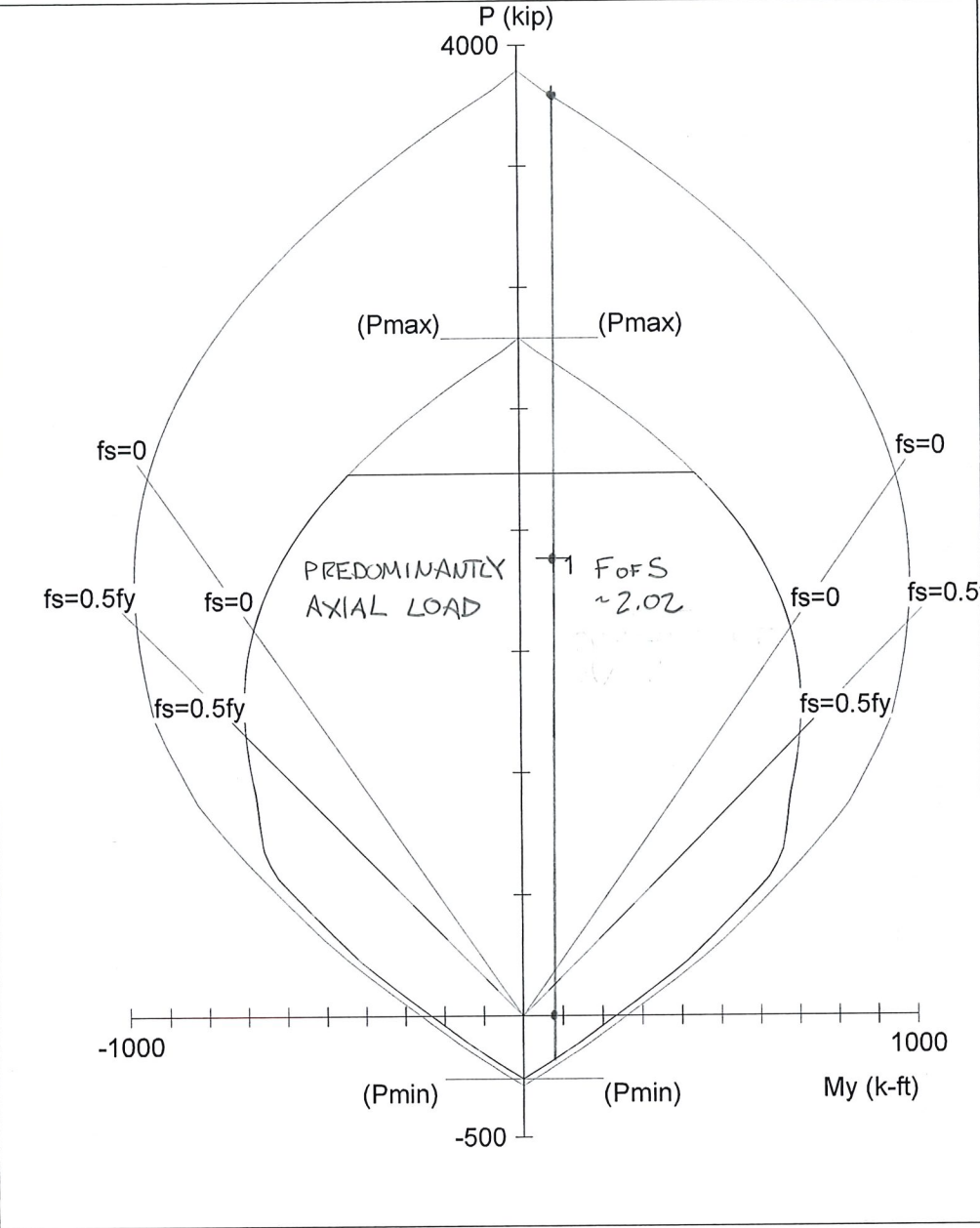
$$L = 20.15'$$

$$P_{cr} = \frac{\pi^2(756740)(0.893)}{[1.00(20.15)]^2} = 16427^k \gg 1884^k \therefore \text{O.K.}$$

F_{OF S} WEB 10



Code: ACI 318-11
 Units: English
 Run axis: About Y-axis
 Run option: Investigation
 Slenderness: Not considered
 Column type: Architectural
 Bars: ASTM A615
 Date: 11/30/18
 Time: 17:29:01



STRUCTUREPOINT - spColumn v5.50 (TM). Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B


File: c:\jcb\data_projects\rand\project01\files_spcol\02_web10\fofs\web10_fofs.col

Project: Factor of Safety

Column: Web10

Engineer: CJB

$f_c = 8.5$ ksi	$f_y = 60$ ksi	$A_g = 504$ in ²	8 #7 bars
$E_c = 5255$ ksi	$E_s = 29000$ ksi	$A_s = 4.80$ in ²	$\rho = 0.95\%$
$f_c = 7.225$ ksi	$e_{yt} = 0.00206897$ in/in	$X_o = 0.00$ in	$I_x = 18522$ in ⁴
$e_u = 0.003$ in/in		$Y_o = 0.00$ in	$I_y = 24192$ in ⁴
Beta1 = 0.65		Min clear spacing = 5.13 in	Clear cover = 2.50 in
Confinement: Other			
$\phi(a) = 0.8, \phi(b) = 0.9, \phi(c) = 0.75$			

	Project FIU	Date 23 AUG 2018	Page / of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FOPS	Checked	

CHECK SHEAR (USE LRFD METHOD 5.8.6)

$$V_n = V_c + V_s \text{ OR}$$

$$V_n = 0.379 \sqrt{f'_c} b_r d_r$$

$$V_c = 0.0632 K \sqrt{f'_c} b_r d_r \quad V_s = \frac{A_r f_y d_r}{S}$$

$$b_r = 21.00 - 2(4.00) = 13.00''$$

$$d_r = 24.00(0.8) = 19.20''$$

$$K = \sqrt{1 + \frac{f_{pc}}{0.0632 \sqrt{f'_c}}} = \sqrt{1 + \frac{942}{(21.00)(24.00)0.0632 \sqrt{8.5}}}$$

$$K = 3.34 > 2.00 \text{ THUS } K = 2.00$$

$$V_c = 0.0632(2.00) \sqrt{8.5} (13.00)(19.20) = 92.0^k$$

$$V_s = \frac{2(0.20)(60)(19.20)}{12.00} = 38.4^k$$

$$V_n = 92.0 + 38.4 = 130.4^k \leftarrow$$

$$V_n = 0.379 \sqrt{8.5} (13.00)(19.20) = 275.8^k$$

$$\phi V_n = 1.00(130.4) = 130.4^k$$


$$V_u = 1.00(11) + 1.00(0) = 11.0^k < 130.4^k \quad F_oF_s = 11.85$$

CASE C

$$A_{s, \min} = 0.0316 \sqrt{\frac{f'_c}{f_y}} \frac{b_r s}{f_y} = 0.0316 \sqrt{8.5} \frac{13.00(12.00)}{60} = 0.24$$


$$A_{s, \text{prov.}} = 2(0.20) = 0.40 > 0.24$$

\therefore O.K.

	Project FIU	Date 23 Aug 2018	Page Of
	Project Number	Designed CB	
	Description CONTRACT PLANS FOfS	Checked	

WEB ELEMENT 11

<u>CASE</u>	<u>LOAD</u>	<u>DL</u>	<u>PT</u>	<u>TOTAL</u>
T HAULING SUPPORTS w/PT	P	-306	539	233 ^k
	M	-36	67	33 ^{kFT}
	V	3	4	7 ^k
A END SUPPORTS w/PT	P	1266	538	1804 ^k
	M	120	-69	51 ^{kFT}
	V	13	-4	9 ^k
B END SUPPORTS w/o w/PT	P	1348	6	1354 ^k
	M	118	-56	62 ^{kFT}
	V	10	-3	7 ^k
C END SUPPORTS w/ w/PT RESTRESSED	P	1348	536	1884 ^k
	M	118	-69	49 ^{kFT}
	V	13	-4	9 ^k

	Project FIU	Date 23 Aug 2018	Page / of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FofS	Checked	

ENVELOPE CASES (ALL FACTORS = 1.00)

$$P_{U,MAX} = 1.00(1348) + 1.00(536) = 1884^k \leftarrow \text{CASE C/T}$$

$$P_{U,MIN} = 1.00(-306) + 1.00(539) = 233^k$$

$$M_{U,MAX} = 1.00(118) + 1.00(-56) = 62^{\text{kft}} \leftarrow \text{CASE B}$$

SEE NEXT PAGE FOR RESULTS

ESTIMATE P_{CR} WITH $K=1.00$ (SIMPLE ENDS)

$$P_{CR} = \frac{\pi^2 E I_w}{(KL)^2}$$

$$E = 57\sqrt{8500}(144) = 756740 \text{ KSF}$$

$$A = 2.00(1.75) = 3.50 \text{ FT}^2$$

$$I_w = \frac{1}{12}(2.00)(1.75)^3 = 0.893 \text{ FT}^4$$

$$I_g = \frac{1}{2}(1.75)(2.00)^3 = 1.167 \text{ FT}^4$$

CHECK FOR CRACKED SECTION

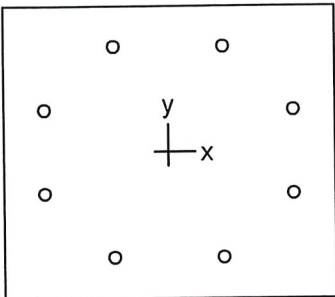
$$f = \frac{-233}{3.50} + \frac{62(1.000)}{1.167} = -13^{\text{KSF}} \quad \text{NOT CRACKED}$$

USE I_g

$$L = 29.80'$$

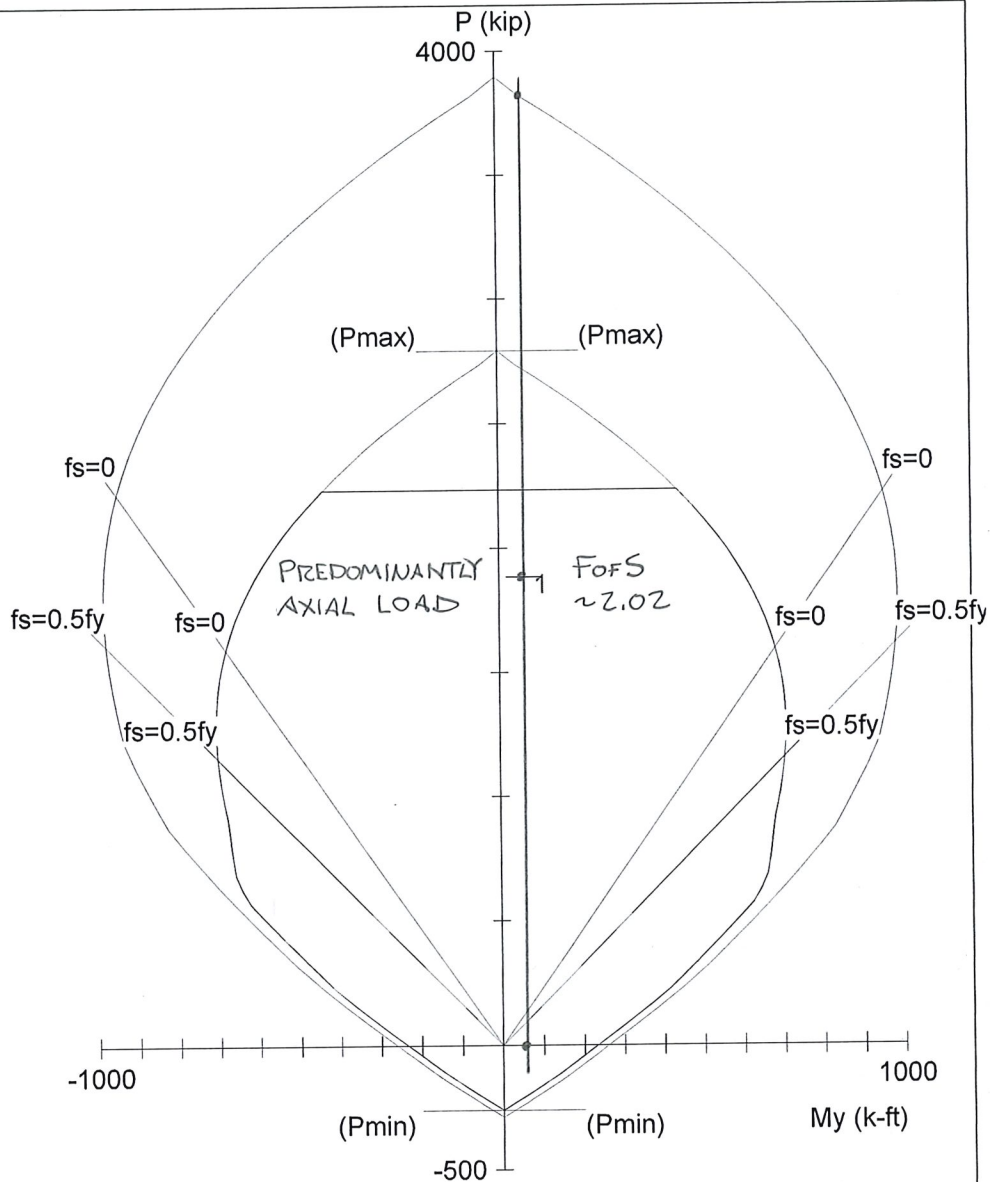
$$P_{CR} = \frac{\pi^2 (756740)(0.893)}{[1.00(29.80)]^2} = 7510^k \gg 1884^k \quad \therefore \text{O.K.}$$

F_{oF} S WEB 11



24 x 21 in

Code: ACI 318-11
 Units: English
 Run axis: About Y-axis
 Run option: Investigation
 Slenderness: Not considered
 Column type: Architectural
 Bars: ASTM A615
 Date: 11/30/18
 Time: 17:26:45



STRUCTUREPOINT - spColumn v5.50 (TM). Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B

File: c:\cjb\data_projects\rand\project01\files_spcol\03_web11\fofs\web11_fofs.col

Project: Factor of Safety

Column: Web11

Engineer: CJB

$f_c = 8.5$ ksi

$f_y = 60$ ksi

$A_g = 504$ in²

8 #7 bars

$E_c = 5255$ ksi

$E_s = 29000$ ksi

$A_s = 4.80$ in²

$\rho = 0.95\%$

$f_c = 7.225$ ksi

$e_{yt} = 0.00206897$ in/in

$X_o = 0.00$ in

$I_x = 18522$ in⁴

$e_u = 0.003$ in/in

$Y_o = 0.00$ in

$I_y = 24192$ in⁴


Beta1 = 0.65

Min clear spacing = 5.13 in

Clear cover = 2.50 in

Confinement: Other

$\phi(a) = 0.8, \phi(b) = 0.9, \phi(c) = 0.75$

	Project	FIU	Date	23 AUG 2018	Page / Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOF S	Checked		

CHECK SHEAR (USE LRFD METHOD 5.8.6)

$$b_v = 21.00 - 1(2.75) = 18.25''$$

$$d_v = 24.00(0.80) = 19.20''$$

$$K = -\sqrt{1 + \frac{233}{(21.00)(24.00)(0.0632)\sqrt{8.5}}} = 1.87 \leq 2.00$$

$$K = 1.87$$

$$V_c = 0.0632(1.87)\sqrt{8.5}(18.25)(19.20) = 120.7^k$$

$$V_s = \frac{2(0.20)(60)(19.20)}{12.00} = 38.4^k$$

$$V_n = 120.7 + 38.4 = 159.1^k \leftarrow$$

$$V_n = 0.379\sqrt{8.5}(18.25)(19.20) = 387.2^k$$

$$\phi V_n = 1.00(159.1) = 159.1^k$$


$$V_u = 1.00(13) + 1.00(-4) = 9.0^k < 159.1^k \quad F_{ofS} = 17.67$$

CASE C ✓


$$A_{s,MIN} = 0.0316\sqrt{8.5} \frac{18.25(12.00)}{60} = 0.34$$

$$A_{s,PROV} = 2(0.20) = 0.40 > 0.34 \text{ in}^2$$

∴ O.K.

	Project	FIU	Date	23 Aug 2018	Page Of
	Project Number		Designed	CJB	
	Description	CONTRACT PLANS FofS	Checked		

WEB ELEMENT 12					
CASE	LOAD	DL	PT	TOTAL	
T	P	42	2	44 ^K	
HAULING SUPPORTS w/ PT	M	56	-4	52 ^{KFT}	
	V	10	-6	4 ^K	
A	P	67	2	69 ^K	
END SUPPORTS w/ PT	M	-616	92	524 ^{KFT}	
	V	70	-7	63 ^K	
B	P	67	-5	62 ^K	
END SUPPORTS w/ W12 PT	M	631	-194	437 ^{KFT}	
	V	72	-20	52 ^K	
C	P	68	2	70 ^K	
END SUPPORTS w/ W12 PT RESTRESSED	M	632	-92	540 ^{KFT}	
	V	72	-7	65 ^K	

	Project FIU	Date 23 AUG 2018	Page Of
	Project Number	Designed GTB	
	Description CONTRACT PLANS F0FS	Checked	

ENVELOPE CASES (ALL FACTORS = 1.00)

$$P_{U,MAX} = 1.00(68) + 1.00(2) = 70^k \leftarrow \text{CASE C/T}$$

$$P_{U,MIN} = 1.00(42) + 1.00(2) = 44^k$$

$$M_{U,MAX} = 1.00(632) - 1.00(92) = 540^{k\text{FT}} \leftarrow \text{CASE C}$$

SEE NEXT PAGE FOR RESULTS

ESTIMATE P_{CR} WITH $K=1.00$ (SIMPLE ENDS)

$$P_{CR} = \frac{\pi^2 E I_w}{(KL)^2}$$

$$E = 57\sqrt{8500} = 756740 \text{ KSF}$$

$$A = 2.875(1.75) = 5.03 \text{ FT}^2$$

$$I_w = \frac{1}{2}(2.875)(1.75)^3 = 1.284 \text{ FT}^4$$

$$I_s = \frac{1}{2}(1.75)(2.875)^3 = 3.466 \text{ FT}^4$$

CHECK FOR CRACKED SECTION

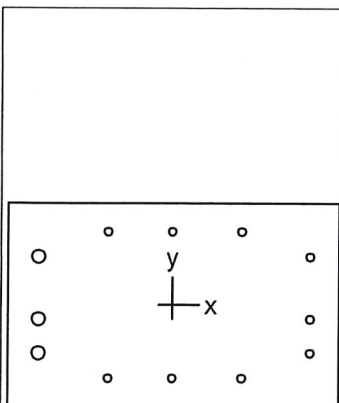
$$\bar{\sigma} = \frac{-44}{5.03} + \frac{540(1.438)}{3.466} = 215 \text{ KSF} \quad \text{CRACKED USE } I_{CR} \text{ (ESTIMATED)}$$

$$L = 15.82'$$

$$I_{w,CR} = \frac{1.284}{3.0} = 0.428 \text{ FT}^4$$

$$P_{CR} = \frac{\pi^2(756740)(0.428)}{[1.00(15.82)]^2} = 12772^k \gg 70^k \therefore \text{O.K.}$$

F_{oF}S WEB 12



34.5 x 21 in

Code: ACI 318-11

Units: English

Run axis: About Y-axis

Run option: Investigation

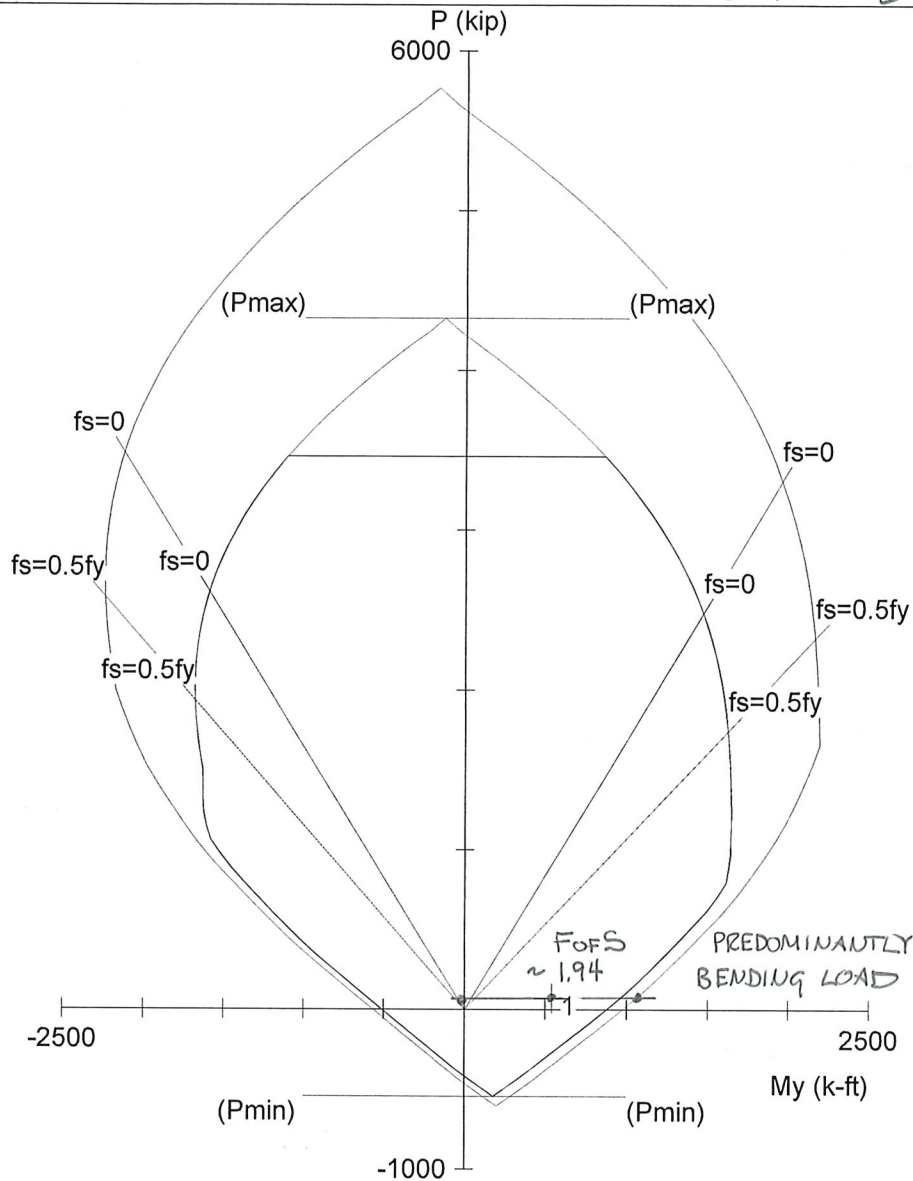
Slenderness: Not considered

Column type: Structural

Bars: ASTM A615

Date: 11/30/18

Time: 17:23:02



STRUCTUREPOINT - spColumn v5.50 (TM). Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B

File: c:\cjb\data_projects\rand\project01\files_spcol\04_web12\fofs\web12_fofs.col

Project: Factor of Safety

Column: Web12

Engineer: CJB

$f_c = 8.5$ ksi

$f_y = 60$ ksi

$A_g = 724.5$ in²

12 bars

$E_c = 5255$ ksi

$E_s = 29000$ ksi

$A_s = 10.08$ in²

$\rho = 1.39\%$

$f_c = 7.225$ ksi

$e_{yt} = 0.00206897$ in/in

$X_o = 0.00$ in

$I_x = 26625.4$ in⁴

$e_u = 0.003$ in/in

$Y_o = 0.00$ in

$I_y = 71861.3$ in⁴


Beta1 = 0.65

Min clear spacing = 2.09 in

Clear cover = 2.49 in

Confinement: Other

$\phi(a) = 0.8, \phi(b) = 0.9, \phi(c) = 0.75$

	Project	FIU	Date	23 Aug 2018	Page Of
	Project Number		Designed	CTB	
	Description	CONTRACT PLANS F&S	Checked		

CHECK SHEAR (USING LRFD METHOD 5.8.6)

$$b_r = 21.00 = 21.00''$$

$$d_r = 34.5(0.80) = 27.60''$$

$$K = \sqrt{1 + \frac{44}{(21.00)(34.50)0.0632\sqrt{8.5}}} = 1.15 < 2.00$$

$$K = 1.15$$

$$V_c = 0.0632(1.15)\sqrt{8.5}(21.00)(27.60) = 122.7^k$$

$$V_s = \frac{2(0.20)(60)(27.60)}{12.00} = 55.2^k$$

$$V_n = 122.7 + 55.2 = 177.9^k \leftarrow$$

$$V_n = 0.379\sqrt{8.5}(21.00)(27.60) = 640.4^k$$

$$\phi V_n = 1.00(177.9) = 177.9^k$$


$$V_u = 1.00(72) + 1.00(-7) = 65^k < 177.9^k \quad F_oF_s = 2.72$$

CASE C

$$A_{s, \min} = 0.0316\sqrt{8.5} \frac{21.00(12.00)}{60} = 0.39$$

$$A_{s, \text{prov}} = 2(0.20) = 0.40 > 0.39 \text{ in}^2$$

\(\therefore\) O.K.

	Project	FIU	Date	29 Aug 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOF5	Checked		

PRINCIPAL TENSION
IN WEB STRUTS

WEB MEMBER 10

$$A = 1.75(2.00) = 3.500 \text{ FT}^2$$

$$I_g = \frac{1}{2}(1.75)(2.00)^3 = 1.167 \text{ FT}^4$$

$$Q = \frac{1}{2}(1.75)(2.00)\left(\frac{2.00}{4}\right) = 0.875 \text{ FT}^3$$

$$b_w = 1.750 \text{ FT}$$

CHECK CASE C - PT RESTRESSED (ON END SUPPORTS)

$$\sigma_x = \frac{P}{A} = \frac{-944}{3.500} = -269.7 \text{ KSF}$$

$$z = \frac{VQ}{Ib_w} = \frac{11(0.875)}{1.167(1.750)} = 4.7 \text{ KSF}$$


$$\sigma_1, \sigma_2 = \frac{\sigma_x}{2} \pm \sqrt{\left(\frac{\sigma_x}{2}\right)^2 + (z)^2}$$

$$\sigma_1, \sigma_2 = \frac{-269.7}{2} \pm \sqrt{\left(\frac{-269.7}{2}\right)^2 + (4.7)^2}$$

$$\sigma_1, \sigma_2 = -134.0 \text{ KSF} \pm 134.9 \text{ KSF} \rightarrow 0.9 \text{ KSF}, -268.9 \text{ KSF}$$

$$\text{ALLOWABLE} = 3.5\sqrt{f_c} = 3.5\sqrt{8500} \left(\frac{144}{1000}\right) = 46.5 \text{ KSF}$$

$$46.5 / 0.9 = 51.67$$

	Project	FIU	Date	29 Aug 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOF S	Checked		

WEB MEMBER 11

$$A = 3.500 \text{ ft}^2$$

$$I_g = 1.167 \text{ ft}^4$$

$$Q = 0.875 \text{ ft}^3$$

$$b_w = 1.750 \text{ ft}$$

CHECK CASE T - ON HAULING SUPPORTS w/PT

$$\bar{\sigma}_x = \frac{-233}{3.500} = -66.6 \text{ KSF}$$


$$\bar{z} = \frac{7(0.875)}{1.167(1.750)} = 3.0 \text{ KSF}$$

$$\sigma_1, \sigma_2 = \frac{-66.6}{2} \pm \sqrt{\left(\frac{66.6}{2}\right)^2 + (3.0)^2}$$

$$\sigma_1, \sigma_2 = -33.0 \pm 33.1 = \underline{\underline{0.1 \text{ KSF}, -66.1 \text{ KSF}}}$$

$$\text{ALLOWABLE} = 3.5 \sqrt{8500 \left(\frac{144}{1000}\right)} = 46.5 \text{ KSF}$$

$$46.5 / 0.1 = 465.00$$

	Project	FIU	Date	29 Aug 2018	Page Of
	Project Number		Designed	CTB	
	Description	CONTRACT PLANS FOfS	Checked		

WEB MEMBER 12

$$A = 2.875(1.75) = 5.031 \text{ FT}^2$$

$$I_g = \frac{1}{12}(1.75)(2.875)^3 = 3.466 \text{ FT}^4$$

$$Q = \frac{1}{2}(2.875)(1.75)\left(\frac{2.875}{4}\right) = 1.808 \text{ FT}^3$$

$$b_w = 1.750 \text{ FT}$$

CHECK CASE T - ON HAULING SUPPORTS w/PT

$$\sigma_x = \frac{-44}{5.031} = -8.8 \text{ KSF}$$


$$\sigma_z = \frac{4(1.808)}{3.466(1.75)} = 1.2 \text{ KSF}$$

$$\sigma_1, \sigma_2 = \frac{-8.8}{2} \pm \sqrt{\left(\frac{8.8}{2}\right)^2 + (1.2)^2}$$

$$\sigma_1, \sigma_2 = -4.4 \pm 4.6 = \underline{0.2 \text{ KSF}}, \underline{-9.0 \text{ KSF}}$$

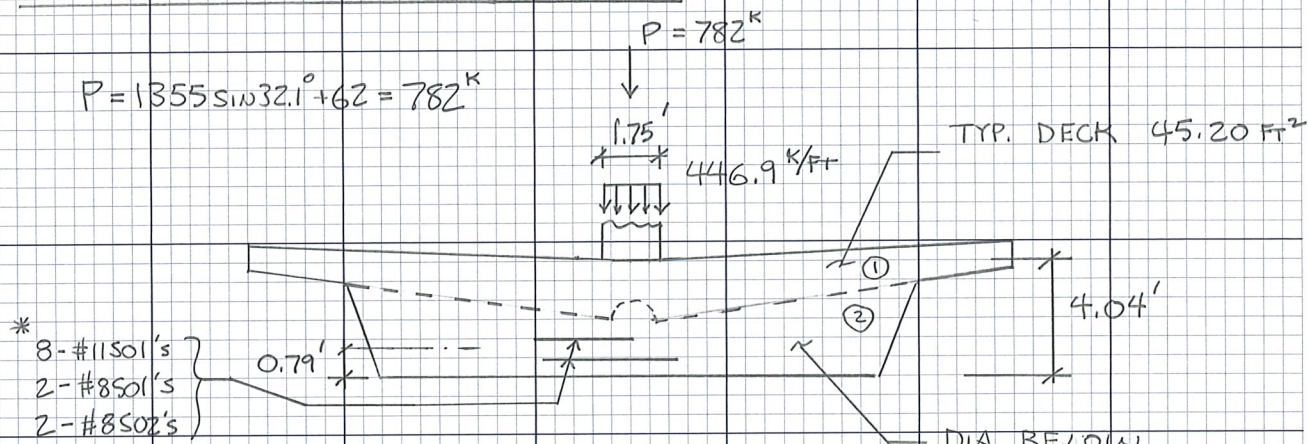
$$\text{ALLOWABLE} = 3.5 \sqrt{8500} \left(\frac{144}{1000}\right) = 46.5 \text{ KSF}$$

$$46.5 / 0.20 = 232.50$$

	Project FIU	Date 29 AUG 2018	Page Of
	Project Number	Designed CJB	
	Description CONTRACT PLANS FofS	Checked	

TRANSFER OF VERTICAL WEB 11/12 FORCES TO DIAPHRAGM BEARINGS/STIRRS

$$P = 1355 \sin 32.1^\circ + 62 = 782^k$$



① $45.20 (0.150) = 6.78^k/ft$

② $47.00 (0.150) = 7.05^k/ft$

DIA. BELOW DECK ~ 47.0 FT

$\frac{782}{931} \Rightarrow 84\%$ OF REACTION COMING FROM STRUTS (11 & 12)


TOTAL REACTION FROM MODEL = $917^k + \underbrace{7.05(2.00')}_{\text{DIA. BELOW DECK}} \approx 931^k$

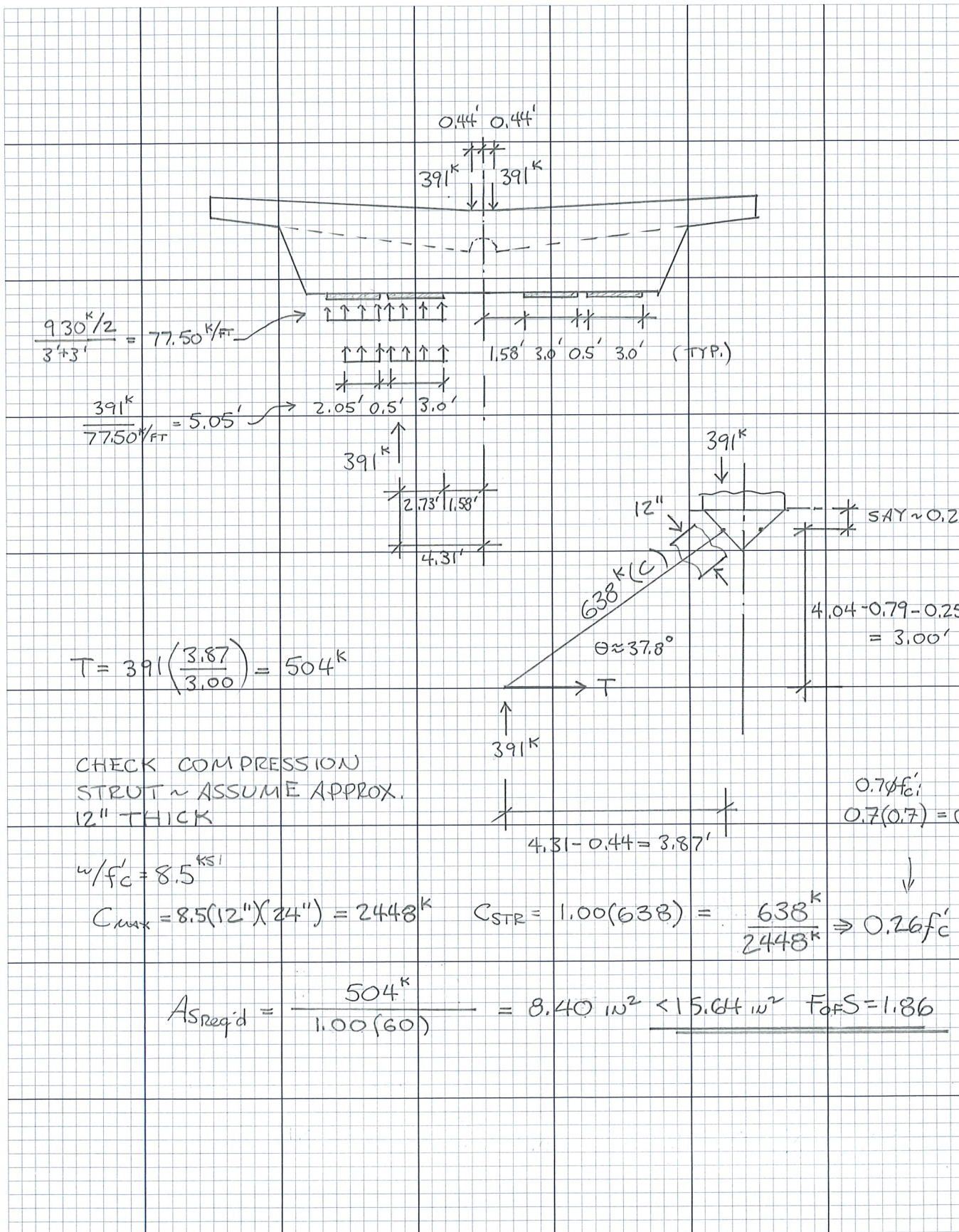
MOST OF REACTION COMING FROM WEB STRUTS. FOR ADDITIONAL CHECK SUM LOADS FROM ABOVE AND ASSUME TRIBUTARY LENGTH OF DECK TO NEXT DECK/STRUT NODE (WHERE WEB 9/10 MEET). SAY THIS LENGTH, HALFWAY BETWEEN WEB 9/10 & 11/12, IS ABOUT 20' (FROM END OF STRUCTURE).


$$R \approx 782^k + 20'(6.78^k/ft) + 2'(7.05^k/ft) = 932^k \approx 931^k \checkmark$$

* DID NOT INCLUDE THE 5S04'S SINCE THEY WERE ONLY ON TYP. FACE AND NOT ANCHOR FACE.

$$A_s = 3(1.56) + 4(0.79) = 15.64 \text{ in}^2$$

	Project	FIU	Date	29 Aug 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOF S	Checked		




	Project	FIU	Date	29 AUG 2018	Page Of
	Project Number		Designed		
	Description	CONTRACT PLANS FOPS	Checked		

TRANSFER OF HORIZONTAL WEB 11/12 FORCES
TO LONGITUDINAL P.T. ANCHORAGES VIA DECK/DIAPHRAGM

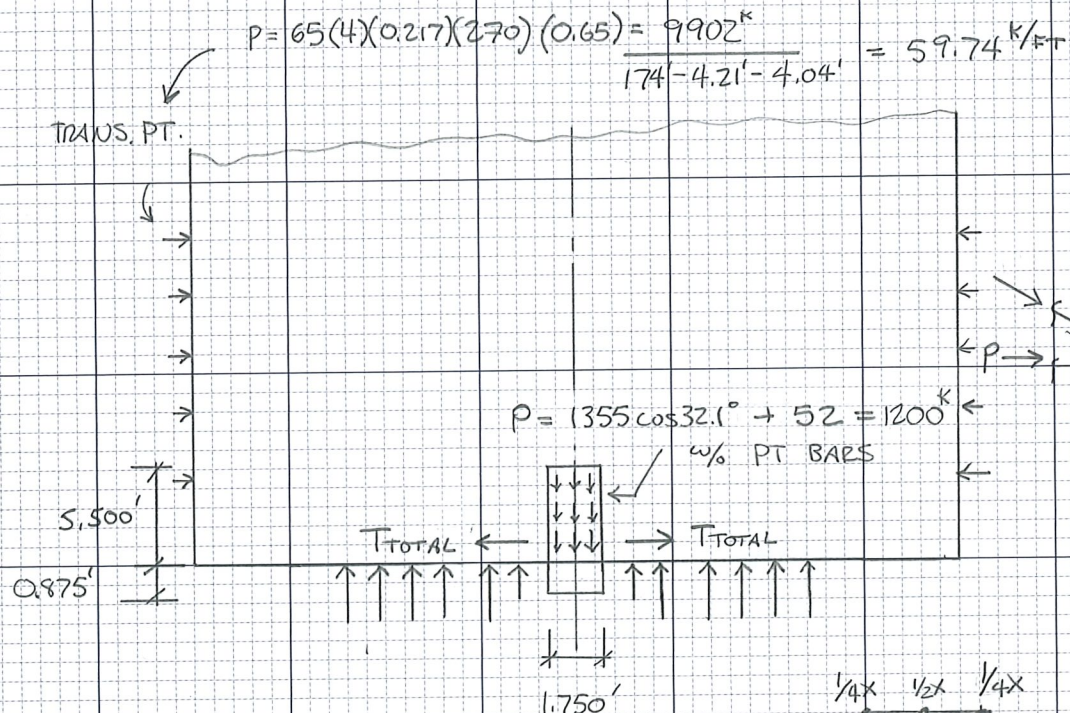
A DIRECT STRUT-AND-TIE NODE DOES NOT EXIST
AT THE WEB 11/12/DECK/DIAPHRAGM INTERFACE.

HORIZONTAL FORCES FROM WEBS 11 AND 12
MUST BE RESISTED BY PRINCIPAL TENSION
IN THE DECK, HORIZONTAL SHEAR FRICTION
BETWEEN WEB 11/12/DECK* AND HORIZONTAL
SHEAR FRICTION BETWEEN DECK/DIAPHRAGM
AT REGION NEAREST TO LONGITUDINAL P.T.
ANCHORAGES.

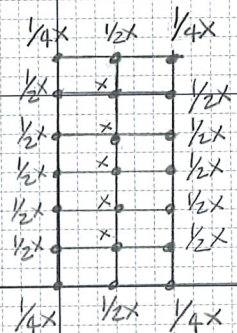
*NOTE - HORIZONTAL SHEAR FRICTION BETWEEN
WEB 11/12/DECK PREVIOUSLY CHECKED VIA
WITH "SUMMARY OF SHEAR FRICTION LOADS
(CASE 2) AT WEB 11/12/DECK ALONG SLOPE
OF WEB 11" - (SEE BEGINNING OF THESE CALCULATIONS)

	Project FIU	Date 29 Aug 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS F of S	Checked	

WORKSHEET TO PRODUCE LARSA MODEL
FOR HORIZONTAL TRANSFER OF WEB FORCES.



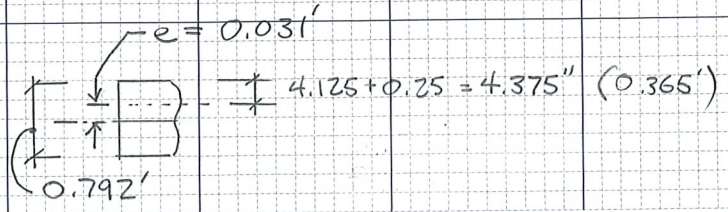
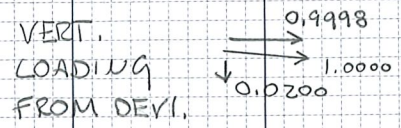
$\bar{z}_{AVE} = \frac{1200}{5.50(1.75)} = 124.68 \text{ k/ft}^2$



$5x + 12(\frac{1}{2}x) + 4(\frac{1}{4}x) = 1200^k$
 $5x + 6x + 1x = 1200^k$
 $x = 100.00^k$
 $\frac{1}{2}x = 50.00^k$
 $\frac{1}{4}x = 25.00^k$

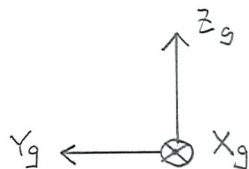
$59.74(0.9998) = 59.73 \text{ k/ft}$
 $59.74(0.0200) = 1.19 \text{ k/ft}$
 $59.73(0.031) = 1.85 \text{ k/ft}$

TRANSVERSE PT



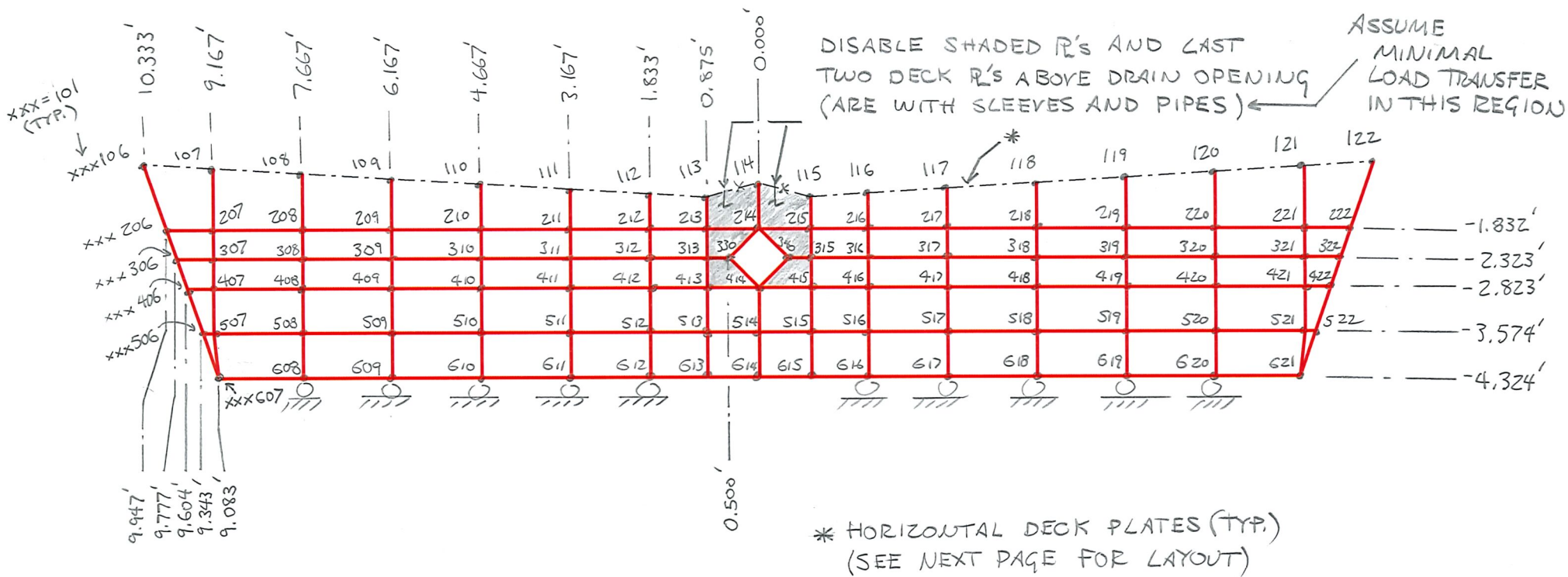
CREATE 3D LARSA MODEL WITH
2D PLATES

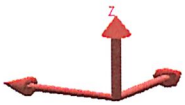
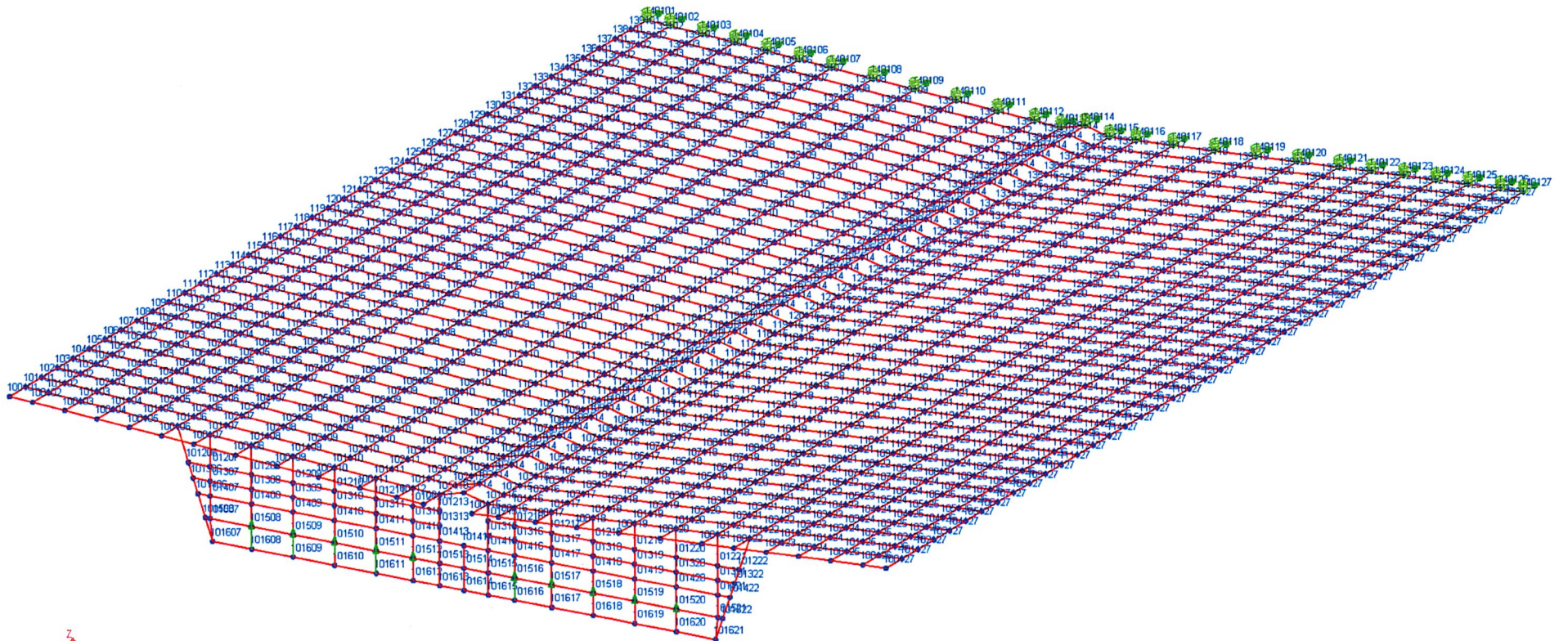
"Ø7_DECK_DIA_PLATES_NEW_ALP, LAR"




$X_g = 1.000'$ (ALL JOINTS)

THICKNESS = 2.000' (ALL VERT. R's)

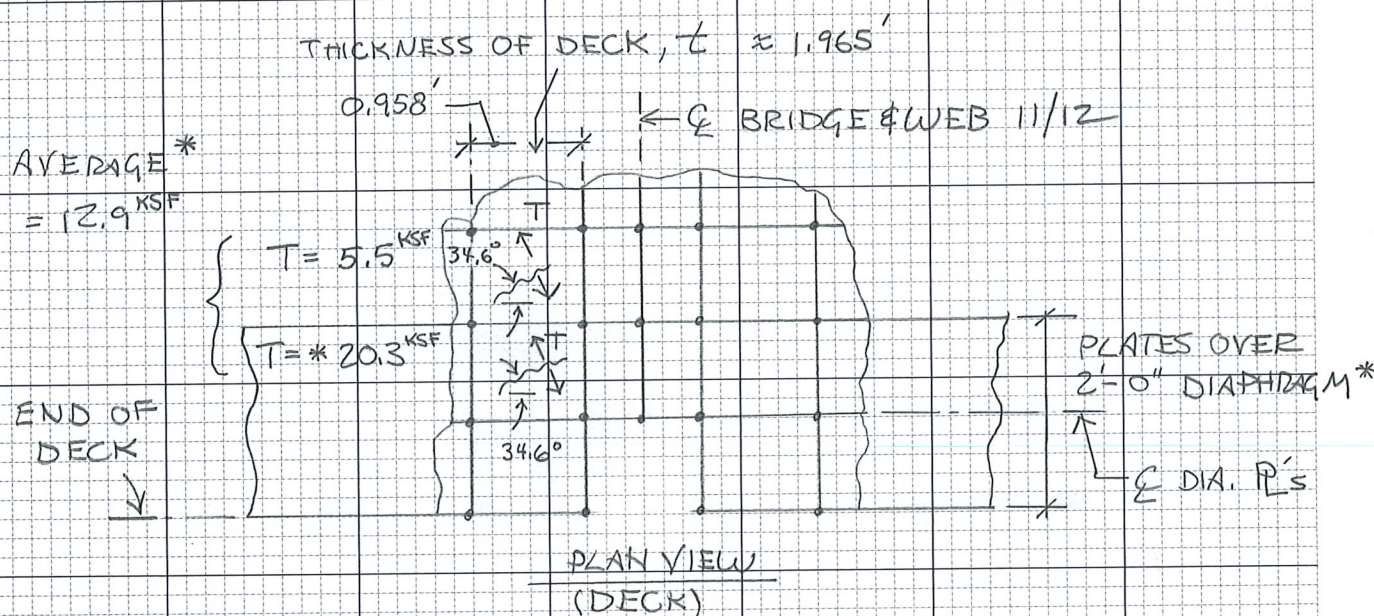




	Project	FIU	Date	6 SEPT 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS FOF S	Checked		

PRINCIPAL TENSION - HORIZONTAL PLANE OF DECK

LOOK AT PRINCIPAL TENSION NEAR WEB 11/12 DECK/DIAPHRAGM INTERFACE.




*THESE HORIZONTAL PLATES ACTUALLY OVER, AND ARE A PART OF THE DIAPHRAGM → TAKE AVERAGE OF BOTH PLATES FOR ESTIMATE. ADDITIONAL MODELLING DETAIL SHOULD BE PERFORMED IN THIS AREA DUE TO DISCONTINUITIES (DRAIN/SLEEVES/DIAPHRAGM)

FOR A UNIT DECK WIDTH, PRINCIPAL TENSION FORCE ESTIMATED TO BE:

$$T_{TOT} = 12.9 \text{ KSF} \left(\underset{\substack{\uparrow \\ \text{DEPTH}}}{1.965'} \right) \left(\underset{\substack{\uparrow \\ \text{UNIT WIDTH}}}{1.000'} \right) = 25.349 \text{ K}$$

UPDATE 8 MAR 2019

	Project	FIU	Date	6 SEPT 2018	Page Of
	Project Number		Designed	GB	
	Description	CONTRACT PLANS FofS	Checked		

REINFORCING IS IN ORTHOGONAL GRID
 ESTIMATE REINFORCING TO RESIST INCLINED
 PRINCIPAL TENSION FORCES (ASSUME CRACKED > ϕ TENSION)

EFF. REINF. LONG. DIR. 450's @ 1' (TOP & BOTT.)

$$0.20(2) \left(\overset{0.823}{\cos 34.6^\circ} \right)^2 = 0.27 \text{ IN}^2/\text{FT}$$

EFF. REINF. TRANS. DIR. 550's @ 1' (TOP) 650's @ 1' (BOTT.)

$$0.3(1) \left(\sin 34.6^\circ \right)^2 = 0.10$$


$$0.44(1) \left(\sin 34.6^\circ \right)^2 = 0.14$$

$$\overset{0.568}{} \quad \underline{\underline{0.51 \text{ IN}^2/\text{FT}}}$$

$$A_{S,N} \approx \frac{1.00(25.349^k)}{(1.00)60.0^k\text{SI}} = 0.42 \text{ IN}^2/\text{FT} < 0.51 \text{ FofS} = 1.21$$

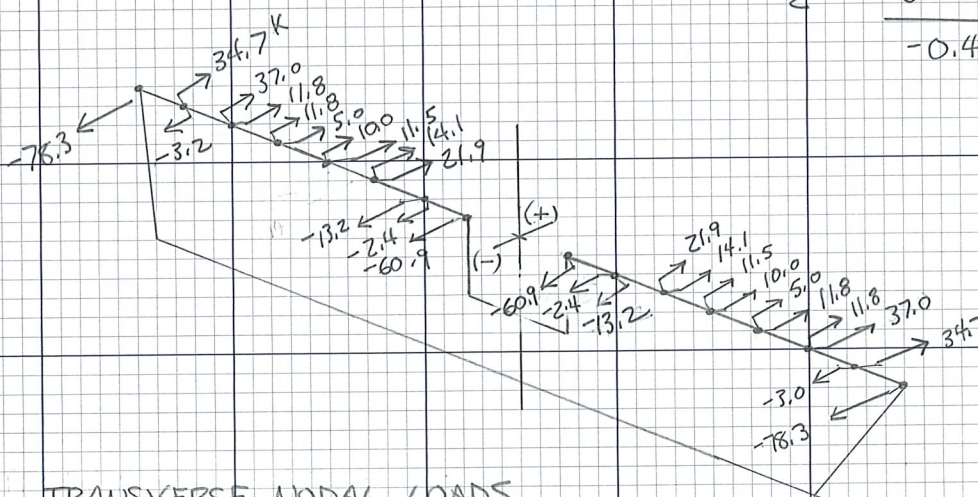
↑ ALL FACTORS
 SET TO 1.00

ABOVE IS AN ESTIMATE. ADDITION MODELLING, WITH
 3D SOLIDS, WITH EMBEDDED REINFORCEMENT, SHOULD BE
 PERFORMED TO GAIN ADDITIONAL UNDERSTANDING.

	Project	FIU	Date	7 SEPT 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS F0FS	Checked		

SHEAR FRICTION - HORIZONTAL BETWEEN DECK AND DIAPHRAGM ABOVE CLOSEST (TO & BRIDGE) LONGITUDINAL P.T. ANCHORAGES

LONGITUDINAL NODAL LOADS FROM EACH APPLICABLE P

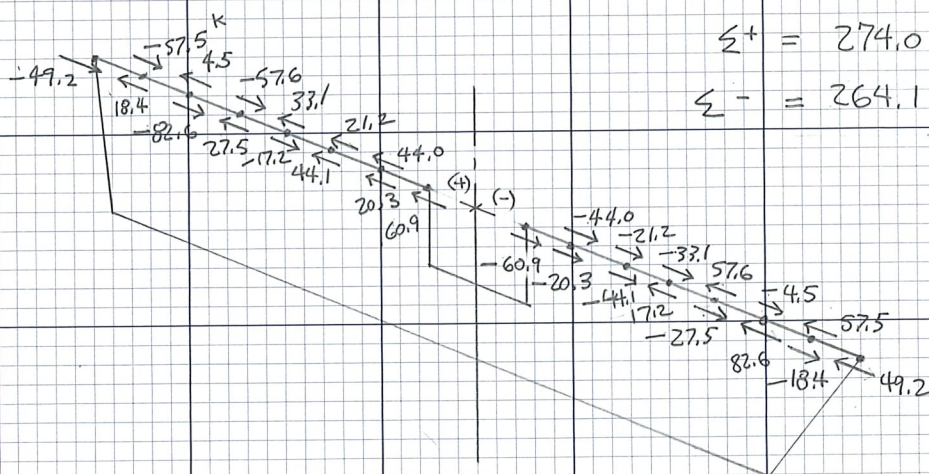


$$\sum + = 315.6$$

$$\sum - = -316.0$$

$$-0.4 \checkmark \approx 0.0$$


TRANSVERSE NODAL LOADS FROM EACH APPLICABLE P



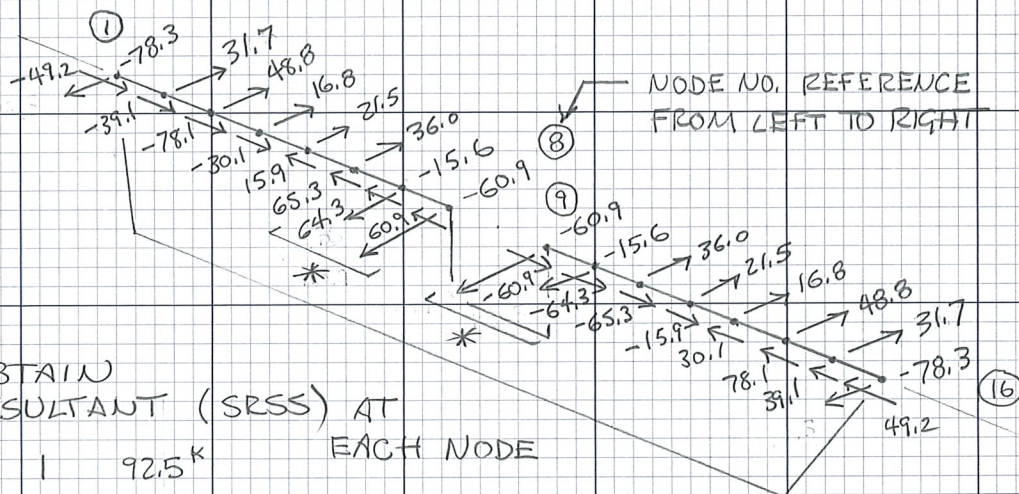
$$\sum + = 274.0 + 264.1 = 538.1$$

$$\sum - = 264.1 + 274.0 = 538.1$$

0.0 ✓

	Project FIU	Date 7 SEPT 2018	Page Of
	Project Number	Designed GIB	
	Description CONTRACT PLANS FofS	Checked	

SUM AT EACH NODE



OBTAIN RESULTANT (SRSS) AT EACH NODE


1	92.5 ^K
2	50.3 ^K
3	92.1 ^K
4	34.5 ^K
5	26.7 ^K
6	75.6 ^K
7	66.2 ^K
8	86.1 ^K
9	86.1 ^K
10	66.2 ^K
11	75.6 ^K
12	26.7 ^K
13	34.5 ^K
14	92.1 ^K
15	50.3 ^K
16	92.5 ^K

* HOWEVER,
LOOK AT 7 & 8
OR 9 & 10 TOGETHER

$$\left. \begin{array}{l} 7 \\ 8 \end{array} \right\} \sqrt{(60.9 + 64.3)^2 + (60.9 + 15.6)^2} = 146.7^K$$

$$\left. \begin{array}{l} 9 \\ 10 \end{array} \right\} = 146.7^K$$

* OVER REGION OF CLOSEST LONGITUDINAL P.T. ANCHORAGES

	Project FIU	Date 7 SEPT 2018	Page / Of
	Project Number	Designed GJB	
	Description CONTRACT PLANS F0FS	Checked	

LOCATION ① & ⑩ A PRODUCT OF THE COURSE NATURE OF MODELLING. LOOK AT REGION NEAR CRITICAL WEB/DECK LOADINGS AND NEAREST LONGITUDINAL P.T. ANCHORAGES

LOCATION ⑦ & ⑧ SHEAR FRICTION

MONOLITHIC

↓
C = 0.40 ksi

μ = 1.40

K₁ = 0.25

K₂ = 1.50 ksi

V_{ni,max} = K₁f'_cA_{cr}

V_{ni,max} = K₂A_{cr}

A_{v,min} = $\frac{0.05A_{cr}}{f_y}$

$$A_{cr} = \frac{3.042(2,000)(144) - 2[\pi(2.00'')^2]}{851.0 \text{ in}^2} = 876.1$$

1-11504's	1.56(1)	=	1.56	}
2-11505's	1.56(2)	=	3.12	

9501's 3(1.00) = 3.00

9502's 3(1.00) = 3.00

8507's 3(0.79) = 2.37

9504's 1.5(1.00) = 1.50


9503's 6(1.00) = 6.00

15.87 in²

THESE DO NOT GO TO BOTT. OF DIA, DO NOT INCLUDE

A_{v,min} = $\frac{0.05(851)}{60} = 0.71 \text{ in}^2 \ll 15.87 \text{ in}^2 \checkmark \therefore \text{O.K.}$

P_c = ∅ WEIGHT OF DECK ABOVE PROVIDES MINIMAL HELP

	Project FIU	Date 7 SEPT 2018	Page Of
	Project Number	Designed GTB	
	Description CONTRACT PLANS FOF S	Checked	

$$V_{n_c} = C A_{c_v} + u [A_{r_f} f_y + P_c]$$

$$V_{n_{c_{max}}} = 0.25 (8.50) (815) = 1732^k$$

$$V_{n_{i_{max}}} = 1.50 (815) = 1223^k \leftarrow$$

$$V_{n_i} = 0.40 (851) + 1.40 [15.87 (60) + 0] = 1673^k$$


$$V_{n_i} = 1673 < 1732^k = 1673^k$$

WITH ALL FACTORS SET TO 1.00
USE ONLY $K_1 V_{n_{i,max}}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_n = 1.00 (1673) = 1673^k$$

$$V_u = 1.00 (146.7) = 146.7^k < 1673^k \quad \text{FOFS} = 11.40$$

(EQ)
w/o K_2

	Project	FIU	Date	28 SEPT 2018	Page / Of
	Project Number		Designed	CTB	
	Description	CONTRACT PLANS FOF S	Checked		

SUMMARIZE SHEAR FRICTION LOADS (CASE 1) AT WEB 11/12 DECK HORIZONTAL INTERFACE WITH AREA UNDER WEB 11 NOT INTENTIONALLY ROUGHENED WITH AREA UNDER WEB 12 INTENTIONALLY ROUGHENED

CASE A - w/ PT BARS (ON END SUPPORTS)

WEB 11	WEB 12
$A_{cr} = 42.00(21.00) = 882.00$ $-2 \left[\frac{1}{L} (1.375)^2 \right] \frac{1}{\sin 32.1^\circ} = -22.35$ <hr/> 860 in^2	$A_{cr} = (34.5 - 10.5)(21.00) = 504.00$ <hr/> 504 in^2

REINFORCEMENT

USE 4-7S11'S FROM WEB 11
 USE 2-G507'S FROM DECK
 USE 8-7501'S FROM DECK

$4(0.60) \sin 32.1^\circ = 1.28$
 $2(0.44) = 0.88$
 $8(0.60) = 4.80$

 6.96 in^2

$A_{vf} = 6.96 \text{ in}^2$

ASSUME UNROUGHENED

$C = 0.075 \text{ ksi}$
 $M = 0.60$
 $K_1 = 0.20$
 $K_2 = 0.80$
 $\phi = 0.90/1.00 \text{ FOR FOF S}$

$V_{n1, \max} = K_1 f'_c A_{cr}$

$V_{n2, \max} = K_2 A_{cr}$

REINFORCEMENT

USE PREVIOUSLY COMPUTED REMAINING CAPACITY FOR SHEAR IN WEB 12 REINF.

$3-11501'S \text{ \& } 6 \text{ OF } 7501'S = 2.47$
 USE 4-7S11'S FROM WEB 11 THAT PROTECT UNDER WEB 12
 $4(0.60) \sin 32.1^\circ = 1.28$
 USE 2 G-507'S FROM DECK
 $2(0.44) = 0.88$


$A_{vf} = 2.47 + 1.28 + 0.88 = 4.63 \text{ in}^2$

ASSUME INTENTIONALLY ROUGHENED

$C = 0.24 \text{ ksi}$
 $M = 1.00$
 $K_1 = 0.25$
 $K_2 = 1.50$
 $\phi = 0.90/1.00 \text{ FOR FOF S}$

$V_{n1, \max} = K_1 f'_c A_{cr}$

$V_{n2, \max} = K_2 A_{cr}$

	Project FIU	Date 28 SEPT 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FOF S	Checked	

$$f'_c = 8500 \text{ PSI} \quad f_y = 60 \text{ KSI}$$

$$V_{ni, \max} = 0.2(8.50)(860) = 1462^k$$

$$V_{ni, \max} = 0.8(860) = 688^k \leftarrow$$

$$V_{ni} = C A_{cr} + \mu [A_v f_y + P_c]$$

$$P_c = 960^k$$

$$V_{ni} = 0.075(860) + 0.60 [6.96(60) + 960]$$

$$V_{ni} = 891^k < 1462^k$$

WITH ALL FACTORS SET TO 1.00
USE ONLY $K_1 V_{ni, \max}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_{ni} = 1.00(891) = 891^k$$

$$V_u = 1.00(1074) + 1.00(454) = 1528^k$$

$$f'_c = 8500 \text{ PSI} \quad f_y = 60 \text{ KSI}$$

$$V_{ni, \max} = 0.25(8.50)(504) = 1071^k$$

$$V_{ni, \max} = 1.50(504) = 756^k$$

$$V_{ni} = C A_{cr} + \mu [A_v f_y + P_c]$$

$$P_c = 68^k$$

$$V_{ni} = 0.24(504) + 1.00 [4.63(60) + 68] \leftarrow$$

$$V_{ni} = 467^k < 1071^k$$

$$\phi V_{ni} = 1.00(467) = 467^k$$

$$V_u = 1.00(70) + 1.00(-6) = 64^k$$


LOOK AT CAPACITIES AND LOADS TOGETHER

$$V_{ni} = 891 + 467 = 1358^k$$

$$V_u = 1528 + 64 = 1592^k$$

$$\underline{1592^k > 1358^k} \quad F_{oFS} = 0.85$$

CASE A
(EQ)
w/ K_2, w_{II}

	Project FIU	Date 28 SEPT 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FofS	Checked	

CASE A

LOOK AT CAPACITIES AND LOADS SEPARATELY

WEB 11

$$V_u = 1528^k > 891^k \quad F_{ofS} = 0.58$$

CASE A
(EQ)
w/o K_2

WEB 12

$$V_u = 64 < 467^k \quad F_{ofS} = 7.30$$


CASE A
(EQ)

HOWEVER, IF AREA UNDER WEB 11 SLIPS ($F_{ofS} = 0.58$)
THEN ALL HORIZONTAL SHEARING FORCE WOULD
GO TO THE WEB 12/DECK INTERFACE.

$$\phi V_{n1} = 467^k$$

$$V_u = 1592^k$$

$$1592^k > 467^k \quad F_{ofS} = 0.29$$

	Project FIU	Date 2 OCT 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FofS	Checked	

CASE B - w/o PT BARS (ON END SUPPORTS)

$$A_{cr} = 860 \text{ in}^2$$

$$A_{cr} = 504 \text{ in}^2$$

$$A_{cf} = 1.54 + 0.66 + 0.91 = 3.11$$

$$1.28$$

$$0.88$$

$$\underline{5.27}$$

$$A_{vf} = 6.96 \text{ in}^2$$

$$A_{vf} = 5.27 \text{ in}^2$$

$$P_c = 720^k$$

$$P_c = 62^k$$

$$V_{n6,max} = 1462^k, 688^k \leftarrow$$

$$V_{n6,max} = 1071^k, 756^k$$

$$V_{ni} = 0.075(860) + 0.60[6.96(60) + 720]$$

$$V_{ni} = 0.24(504) + 1.00[5.27(60) + 62]$$

$$V_{ni} = 747^k < 1462^k$$

$$V_{ni} = 499^k \leftarrow$$

WITH ALL FACTORS SET TO 1.00
USE ONLY $K_1 V_{n6,max}$ CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_{ni} = 1.00(747) = 747^k$$

$$\phi V_{ni} = 1.00(499) = 499^k$$

$$V_u = 1.00(1143) + 1.00(4) = 1147^k$$

$$V_u = 1.00(72) + 1.00(-20) = 52^k$$

LOOK AT CAPACITIES AND LOADS TOGETHER


$$V_{nd} = 747 + 499 = 1246^k$$

$$V_u = 1147 + 52 = 1199^k$$

$$1199^k < 1246^k \quad F_{ofS} = 1.04$$

CASE B
(EQ)

w/o K_2, w_{II}

	Project FIU	Date 2 Oct 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FofS	Checked	

CASE B

LOOK AT CAPACITIES AND LOADS SEPARATELY

$$V_u = 1147^k > 747^k \quad F_{ofS} = 0.65$$

CASE B
(EQ)
w/K₂

$$V_u = 52^k < 499^k \quad F_{ofS} = 9.60$$

CASE B
(EQ)

HOWEVER, IF AREA UNDER WEB 11 SLIPS ($F_{ofS} = 0.65$)
THEN ALL HORIZONTAL SHEARING FORCE WOULD
GO TO THE WEB 12/ DECK INTERFACE.

$$\phi V_n = 499^k$$

$$V_u = 1199^k$$

$$1199^k > 499^k \quad F_{ofS} = 0.42$$

	Project FIU	Date 2 Oct 2018	Page Of
	Project Number	Designed GTB	
	Description CONTRACT PLANS F OF S	Checked	

CASE C - PT BARS RESTRESSED (ON END SUPPORTS)

$$A_{cv} = 860 \text{ in}^2$$

$$A_{cv} = 504 \text{ in}^2$$

$$A_{vf} = 0.94 + 0.52 + 0.85 = 2.31$$

$$1.28$$

$$0.83$$

$$4.47$$

$$A_{vf} = 6.96 \text{ in}^2$$

$$A_{vf} = 4.47 \text{ in}^2$$

$$P_c = 1002 \text{ k}$$

$$P_c = 69 \text{ k}$$

$$V_{ni,max} = 1462 \text{ k}, 688 \text{ k}$$

$$V_{ni,max} = 1071 \text{ k}, 756 \text{ k}$$

$$V_{ni} = 0.075(860) + 0.60[6.96(60) + 1002]$$

$$V_{ni} = 0.24(504) + 1.00[4.47(60) + 69]$$

$$V_{ni} = 916 \text{ k} < 1462 \text{ k}$$

$$V_{ni} = 458 \text{ k}$$

WITH ALL FACTORS SET TO 1.00
USE ONLY K_1 , $V_{ni,max}$, CRITERIA
(SEE COMMENTARY IN LRFD)

$$\phi V_{ni} = 1.00(916) = 916 \text{ k}$$

$$\phi V_{ni} = 1.00(458) = 458 \text{ k}$$

$$V_u = 1.00(1143) + 1.00(452) = 1595 \text{ k}$$

$$V_u = 1.00(72) + 1.00(-6) = 66 \text{ k}$$


LOOK AT CAPACITIES AND LOADS TOGETHER

$$V_{ni} = 916 + 458 = 1374 \text{ k}$$

$$V_u = 1595 + 66 = 1661 \text{ k}$$

$$1661 \text{ k} < 1374 \text{ k} \quad F_{ofS} = 0.83$$

CASE C
(EQ)
w/o K_2, w_{ll}

	Project <u>FIU</u>	Date <u>2 Oct 2018</u>	Page / Of
	Project Number	Designed <u>CTB</u>	
	Description <u>CONTRACT PLANS FofS</u>	Checked	

CASE C

LOOK AT CAPACITIES AND LOADS SEPARATELY

WEB 11

$$V_u = 1595^k > 916^k \quad F_{ofS} = 0.57$$

CASE C
(EQ)
w/o K_2

WEB 12

$$V_u = 66^k < 458^k \quad F_{ofS} = 6.94$$


CASE C
(EQ)

HOWEVER, IF AREA UNDER WEB 11 SLIPS ($F_{ofS} = 0.57$) THEN ALL HORIZONTAL SHEARING FORCE WOULD GO TO THE WEB 12 / DECK INTERFACE.

$$\phi V_{hi} = 458^k$$

$$V_u = 1661^k$$

$$1661^k > 458^k \quad F_{ofS} = 0.28$$

	Project	FIU	Date	2 OCT 2018	Page Or
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS Fofs	Checked		

FOR WEB 11/12 DECK HORIZONTAL INTERFACE (CASE 1 - LOAD CASE C)
ACCOUNT FOR THE FOLLOWING:


- DO NOT ACCOUNT ON SHEAR FRICTION RESISTANCE FROM 10.50" BUMPOUT (AS PREVIOUSLY DISCUSSED)
- USE FULL EFFECT OF #11 BARS IN WEB 12 WITH DUE RESPECT TO DEVELOPMENT LENGTH
- DO NOT ACCOUNT ON SHEAR FRICTION HELP FROM LONGITUDINAL REINFORCEMENT IN WEB 11 THAT CROSSES FRICTION PLANE (BARS IN COMPRESSION)
- LIMIT SHEAR FRICTION RESISTANCE TO $K_2 A_{cv}$ ($K_2 = 1.50$ KSI)

$$A_{cv} = 1364 \text{ in}^2$$

$$P_c = 1071 \text{ K}$$

A_{vf}	2-11501's	$2(1.56)$	$= 3.12 \text{ in}^2$
	1-11501/11502	$1(1.56) \left(\frac{17.75''}{18.30''} \right)$	$= 1.51 \text{ in}^2$
	4-7501's (NOT IN 10.50" REGION)	$4(0.60)$	$= 2.40 \text{ in}^2$
	8-7501's (DECK)	$8(0.60)$	$= 4.80 \text{ in}^2$
	4-6507's (DECK)	$4(0.44)$	$= 1.76 \text{ in}^2$
			<hr/>
			13.59 in^2

$$A_{vf} = 13.59 \text{ in}^2$$

	Project FIU	Date 20 OCT 2018	Page / Of
	Project Number	Designed CJB	
	Description CONTRACT PLANS FofS	Checked	

$$V_{ni} = 0.25(8.50)(1364) = 2899^k$$

$$V_{ni} = 1.50(1364) = 2046^k \leftarrow$$

$$V_{ng} = 0.24(1364) + 1.00[13.59(60) + 1071] = 2214^k$$

$$\phi V_n = 1.00(2046) = 2046^k$$

$$V_u = 1.00[1.00(1215) + 1.00(446)] = 1661^k < 2046^k \text{ FofS} = 1.23 \text{ (1.22)* w/c/l}$$

CASE C (EX)


{ ORIGINAL METHOD 1.25 }

* CONSTRUCTION LIVE LOAD

USE 0.005 K/SF OVER 175' x 31.67' → 27.71^k
 APPROX. 27.71/2 = 13.86^k TO NORTH SUPPORT
 FOR SHEAR FRICTION MOST OF THIS EFFECT
 COMING THROUGH WEB 11

$$\therefore \text{ADDITIONAL } V_{ucll} = \frac{13.86}{\tan 32.1^\circ} = 22^k$$

ADD TO V_n ≠ CHECK. VALUES IN "()" ABOVE
 FofS VALUE.

	Project	FIU	Date	2 OCT 2018	Page Of
	Project Number		Designed	GTB	
	Description	CONTRACT PLANS F&S	Checked		

FOR WEB 11/12 DECK HORIZONTAL INTERFACE (CASE 1-LOAD CASE C)
 WITH PREVIOUS APPROACH AND AREA UNDER WEB 11 NOT
 INTENTIONALLY ROUGHENED

WEB 11

WEB 12

$$A_{cr} = 860 \text{ in}^2$$

$$A_{cr} = (34.5 - 10.5)(21.00) = 504 \text{ in}^2$$

$$P_c = 1002^k$$

$$P_c = 69^k$$

$$A_{vf} \quad 2\text{-}6507\text{'s (DECK)} \quad 2(0.44) = 0.88$$

$$8\text{-}750\text{'s (DECK)} \quad 8(0.60) = 4.80$$

$$A_{vf} \quad 2\text{-}1150\text{'s} \quad 2(1.56) = 3.12$$

$$1\text{-}1150\text{Z} \quad 1(1.56) \left(\frac{17.75}{18.88} \right) = 1.51$$

$$4\text{-}750\text{'s} \quad 4(0.60) = 2.40$$

$$2\text{-}6507\text{'s} \quad 2(0.44) = 0.88$$

$$\underline{5.68 \text{ in}^2}$$

$$\underline{7.91 \text{ in}^2}$$

$$A_{vf} = 5.68 \text{ in}^2$$

$$A_{vf} = 7.91 \text{ in}^2$$

ASSUME UN ROUGHENED

ASSUME INTENTIONALLY ROUGHENED

$$C = 0.075 \text{ ksi}$$

$$C = 0.24 \text{ ksi}$$

$$u = 0.60$$

$$u = 1.00$$

$$K_1 = 0.20$$

$$K_1 = 0.25$$

$$K_2 = 0.80 \text{ ksi}$$


$$K_2 = 1.50 \text{ ksi}$$

$$V_{ni_{max}} = K_1 f_c' A_{cr}$$

$$V_{ni_{max}} = K_1 f_c' A_{cr}$$

$$V_{ni_{max}} = K_2 A_{cr}$$

$$V_{ni_{max}} = K_2 A_{cr}$$

	Project FIU	Date 2 Oct 2018	Page Of
	Project Number	Designed GTB	
	Description CONTRACT PLANS F_oS	Checked	

$$V_{ni,max} = 0.2(8.50)(860) = 1462^k$$

$$V_{ni,max} = 0.25(8.50)(504) = 1071^k$$

$$V_{ni,max} = 0.8(860) = 688^k \leftarrow$$

$$V_{ni,max} = 1.50(504) = 756^k$$

$$V_{ni} = CA_{cv} + \mu [A_v f_y + P_c]$$

$$V_{ni} = CA_{cv} + \mu [A_v f_y + P_c]$$

$$V_{ni} = 0.075(860) + 0.60 [5.68(60) + 1002]$$

$$V_{ni} = 0.24(504) + 1.00 [7.91(60) + 69]$$

$$V_{ni} = 870^k$$

$$V_{ni} = 665^k \leftarrow$$

$$\phi V_{ni} = 1.00(688) = 688^k$$

$$\phi V_{ni} = 1.00(665) = 665^k$$

$$V_u = 1.00(1143) + 1.00(452) = 1595^k$$

$$V_u = 1.00(72) + 1.00(-6) = 66^k$$

LOOK AT CAPACITIES AND LOADS TOGETHER


$$V_{ni} = 688 + 665 = 1353^k$$

$$V_u = 1595 + 66 = 1661^k$$

$$1661^k < 1353^k \quad F_{oFS} = 0.81 \quad (0.80) \text{ w/LL}$$

CASE C
(K2/EQ)

{ ORIGINAL METHOD = 0.83 }

	Project FIU	Date 2 OCT 2018	Page / Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FOF S	Checked	

LOOK AT CAPACITIES AND LOADS SEPARATELY

WEB 11	w/ccl (0.42)	WEB 12
$V_u = 1595^k > 688^k$	$F_{oFS} = 0.43$	$V_u = 66^k < 665^k$
	CASE C (R2)	CASE C (ER)

{ ORIGINAL METHOD = 0.57 }

{ ORIGINAL METHOD = 6.94 }


HOWEVER, IF AREA UNDER WEB 11 SLIPS ($F_{oFS} = 0.43$) THEN ALL HORIZONTAL SHEARING FORCE WOULD GO TO WEB 12/DECK INTERFACE

$$\phi V_n = 665^k$$

$$V_u = 1661^k$$

$$1661^k > 665^k \quad F_{oFS} = 0.40 \quad (0.39) \text{ w/ccl}$$

{ ORIGINAL METHOD = 0.28 }

	Project FIU	Date 2 OCT 2018	Page Of
	Project Number	Designed CTB	
	Description CONTRACT PLANS FOF S	Checked	

FOR WEB 11/12 SHEAR FRICTION (CASE 2 - LOAD CASE C)
 ALONG SLOPE OF WEB 11
ADJUSTED AS FOLLOWS:

- ADD EFFECT OF TRANS. PT
 USE COMPRESSIVE FORCE OF 346^k
 (ACTS OVER ~4.5' FROM MODEL)
- LIMIT SHEAR FRICTION RESISTANCE TO $K_2 A_{cv}$ ($K_2 = 1.50^{KS.1}$)

$$V_{n1, max} = 5351^k$$

$$V_{n2, max} = 3777^k$$


$$V_{n1} = 0.40(2518) + 1.40[9.13(60) + 25 + 346] = 2294^k \leftarrow$$

$$\phi V_{n1} = 1.0(2294) = 2294^k$$

$$V_u = 1431^k < 2294^k \quad F_{OF S} = 1.60$$

CASE A, B ≠ C (EQ)

{ ORIGINAL METHOD = 1.26 }

	Project	FIU	Date	2 OCT 2013	Page Of
	Project Number		Designed	CTB	
	Description	CONTRACT PLANS F&S	Checked		

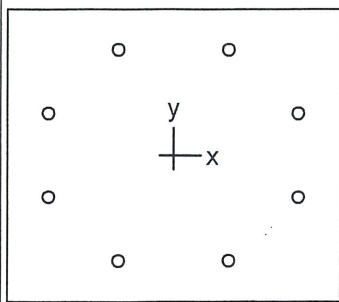
CHECK WEB MEMBERS // #12 VIA AXIAL/BENDING INTERACTION WITH THE FOLLOWING:

- UTILIZE RAY LENGTH TO ESTIMATE FACTOR OF SAFETY
- CAP AXIAL CAPACITY TO ACCOUNT FOR UNANTICIPATED ADDITIONAL ECCENTRICITY

SEE FOLLOWING PAGES

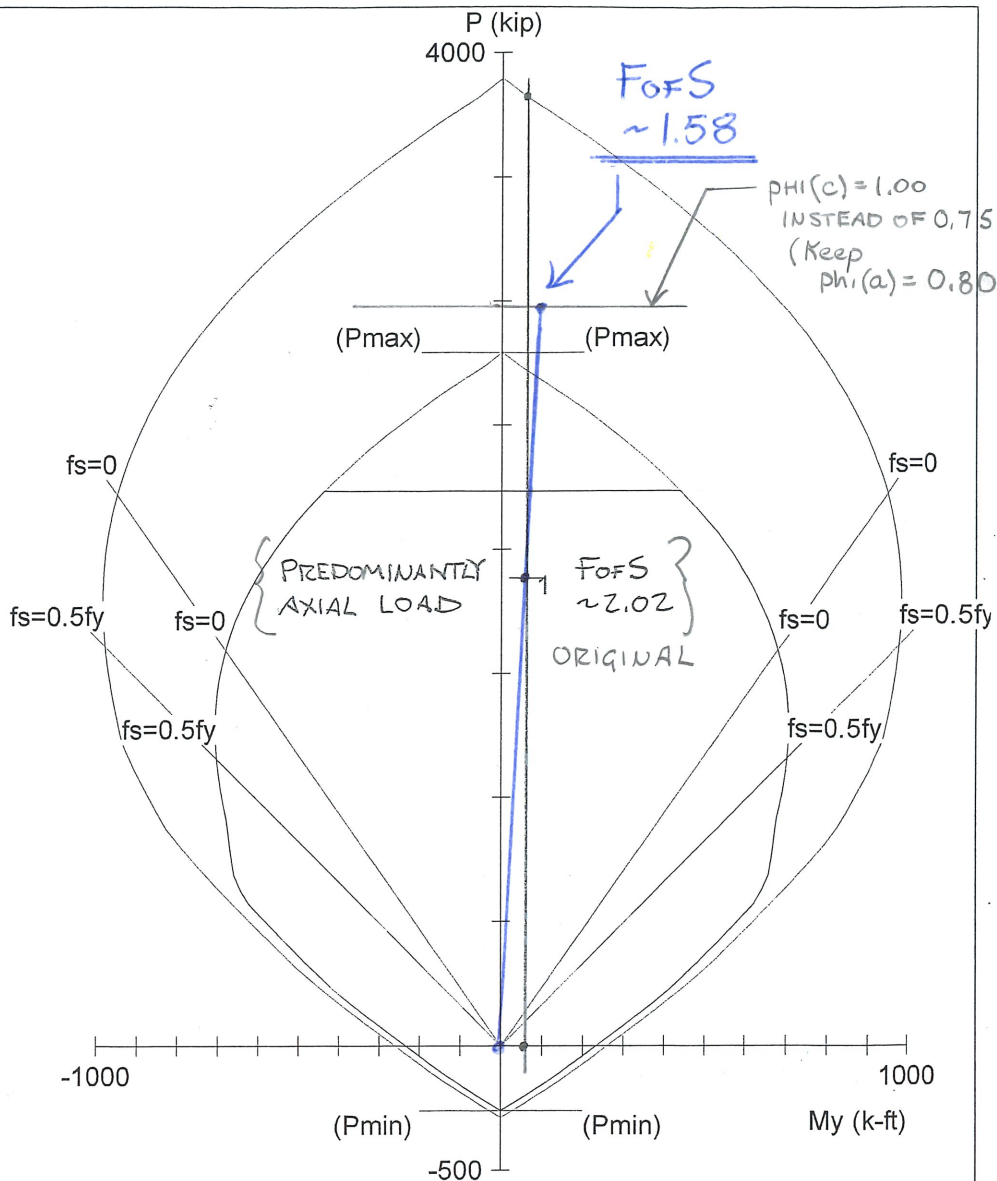
SENSITIVITY STUDIES

F_{oF}S WEB 11



24 x 21 in

Code: ACI 318-11
 Units: English
 Run axis: About Y-axis
 Run option: Investigation
 Slenderness: Not considered
 Column type: Architectural
 Bars: ASTM A615
 Date: 11/30/18
 Time: 17:26:45



STRUCTUREPOINT - spColumn v5.50 (TM). Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B

File: c:\cjb\data_projects\rand\project01\files_spcol\03_web11\fofs\web11_fofs.col

Project: Factor of Safety

Column: Web11

Engineer: CJB

f_c = 8.5 ksi

f_y = 60 ksi

A_g = 504 in²

8 #7 bars

E_c = 5255 ksi

E_s = 29000 ksi

A_s = 4.80 in²

rho = 0.95%

f_c = 7.225 ksi

e_{yt} = 0.00206897 in/in

X_o = 0.00 in

I_x = 18522 in⁴

e_u = 0.003 in/in

Y_o = 0.00 in

I_y = 24192 in⁴

Beta1 = 0.65

Min clear spacing = 5.13 in

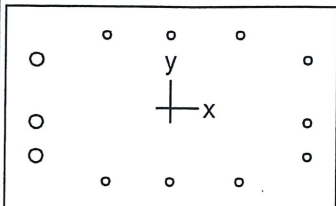
Clear cover = 2.50 in

Confinement: Other

phi(a) = 0.8, phi(b) = 0.9, phi(c) = 0.75

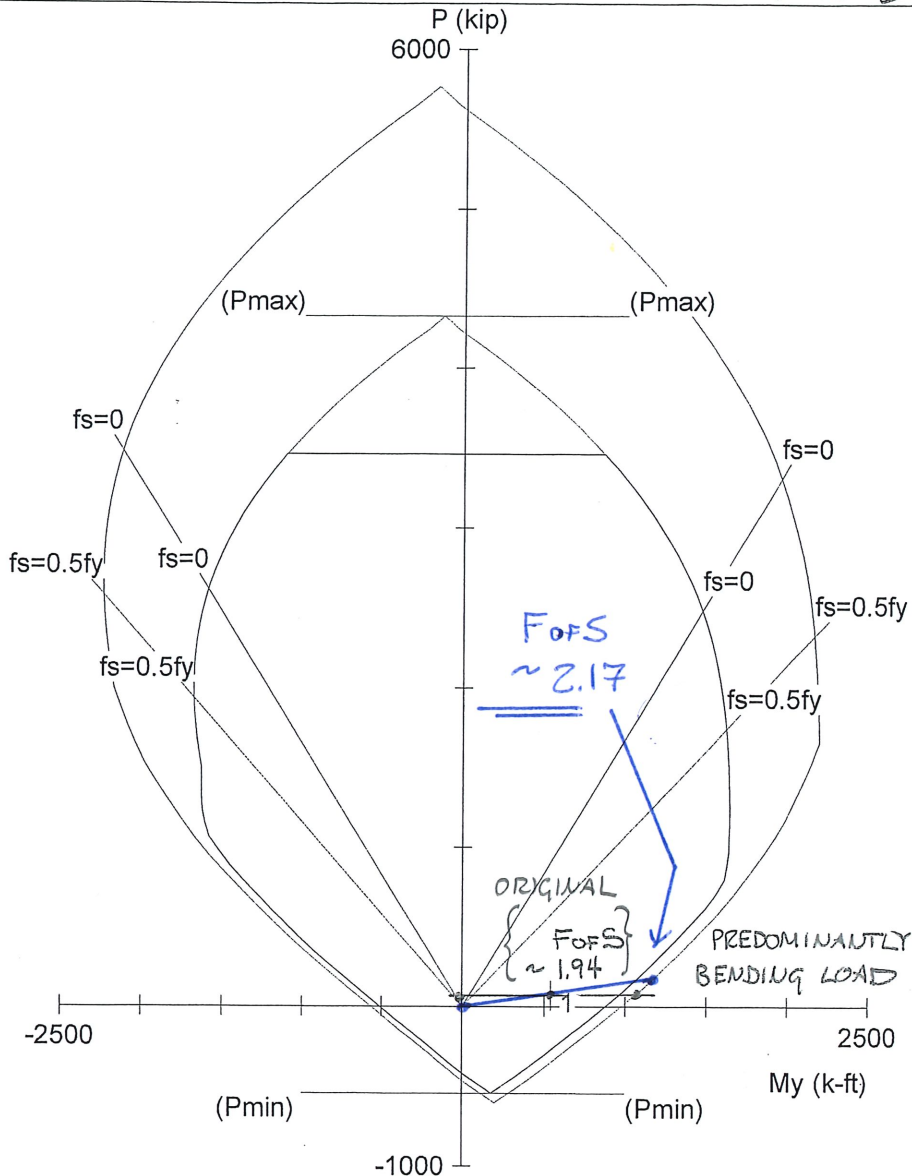
SENSITIVITY STUDIES

F_{oF}S WEB 12



34.5 x 21 in

Code: ACI 318-11
 Units: English
 Run axis: About Y-axis
 Run option: Investigation
 Slenderness: Not considered
 Column type: Structural
 Bars: ASTM A615
 Date: 11/30/18
 Time: 17:23:02



STRUCTUREPOINT - spColumn v5.50 (TM). Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B

File: c:\cjb\data_projects\rand\project01\files_spcol\04_web12\fofs\web12_fofs.col

Project: Factor of Safety

Column: Web12

Engineer: CJB

$f_c = 8.5$ ksi

$f_y = 60$ ksi

$A_g = 724.5$ in²

12 bars

$E_c = 5255$ ksi

$E_s = 29000$ ksi

$A_s = 10.08$ in²

$\rho = 1.39\%$

$f_c = 7.225$ ksi

$e_{yt} = 0.00206897$ in/in

$X_o = 0.00$ in

$I_x = 26625.4$ in⁴

$e_u = 0.003$ in/in

$Y_o = 0.00$ in

$I_y = 71861.3$ in⁴

Beta1 = 0.65

Min clear spacing = 2.09 in

Clear cover = 2.49 in

Confinement: Other

$\phi(a) = 0.8$, $\phi(b) = 0.9$, $\phi(c) = 0.75$

LARSA BEAM MODEL

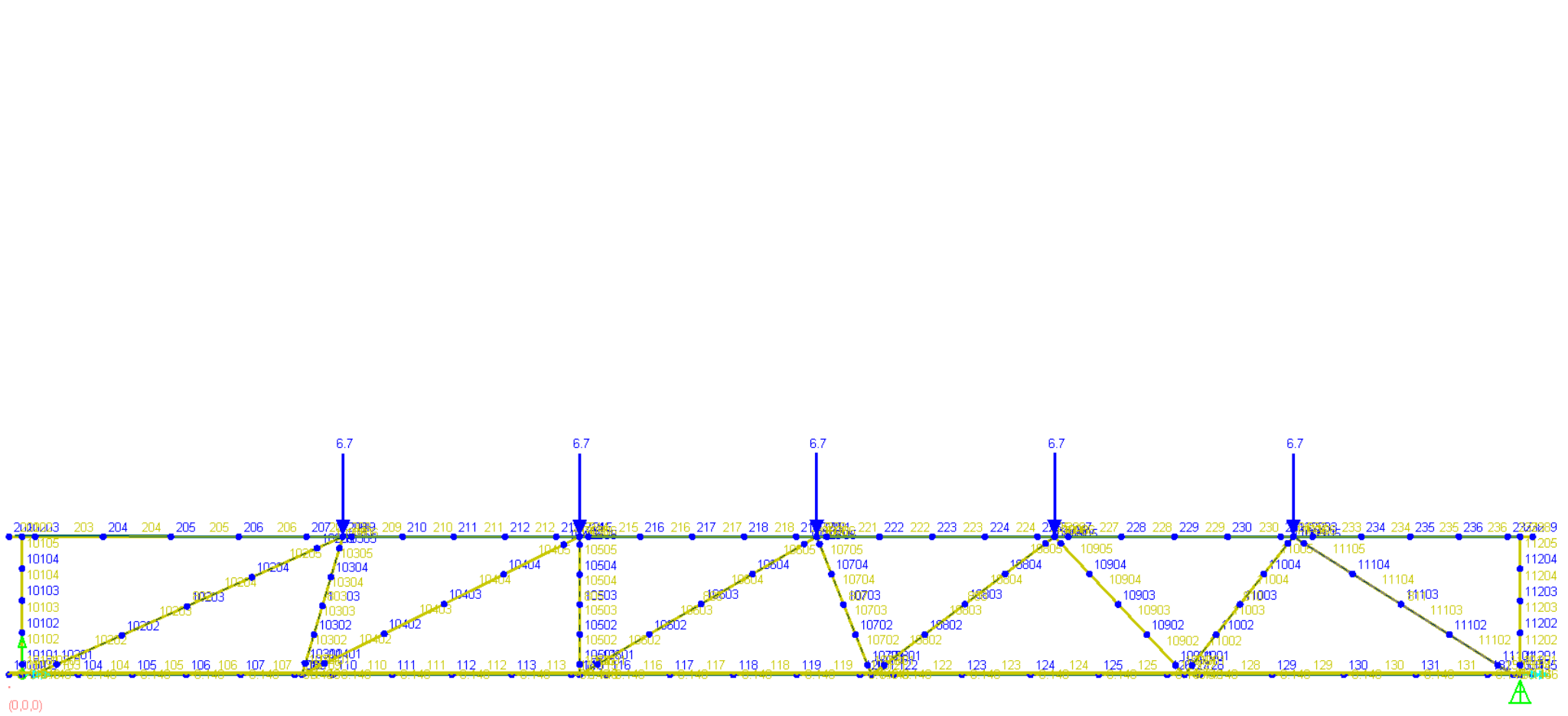
2D TRUSS MODEL

WITH STAGED CONSTRUCTION

AND LONGITUDINAL POST-TENSIONING

File: 03_main_beam_ptbars_new.lar

Version: V8.00.8000





Figg Bridge Engineers

FIU Contract Plans - Factor of Safety Estimates

Wednesday, December 5, 2018

cburgess
Figg Bridge Engineers

9635 Maroon Cir., Suite 125
Englewood, CO 80112
Tel: 303-757-7400



PROJECT SUMMARY

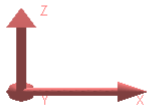
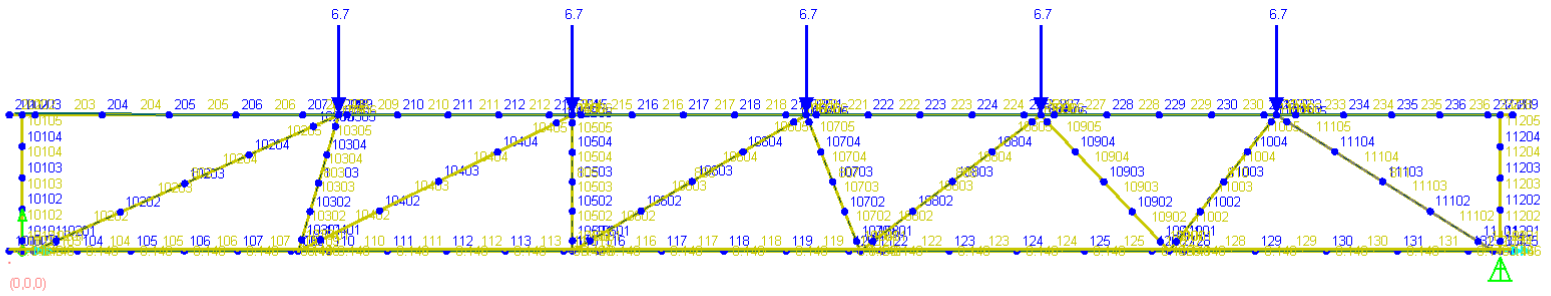
INPUT PROPERTIES	Count	INPUT GEOMETRY	Count	Load Cases	Count
Universal Restraints	NONE	Joints	132	Load Cases	10
Materials	13	Members	150	Combination Cases	NONE
Sections	15	Plates	NONE	Construction Stages	23
User Coordinate System	NONE	Springs	NONE	Linked Databases	NONE
Spring Curves	NONE	Isolaters	NONE		
Isolater Property	NONE	Mass Elements	NONE		
Creep Definitions	3	Slave / Masters	NONE		
		Tendons	24		

TABLE OF CONTENTS

INPUTS	Page#	Results	Page#
- INPUT : Material Properties	Page 5		
- INPUT : Sections	Page 5		
- INPUT : Section Stress Points	Page 6		
- INPUT : Section Dimensions	Page 6		
- INPUT : Joints	Page 7		
- INPUT : Members	Page 11		
- INPUT : Tendons	Page 15		
- INPUT : More Material Properties	Page 16		
- INPUT : CEB-FIP 90	Page 17		
- STRUCTURE GROUP SUMMARY	Page 23		
- Load Cases	Page 24		
- Stage Summary	Page 28		

Graphics View 1

Zoom: 1.563X Stage: Restress Web11 PT bars
Load Case: Self weight additional (units: kips, ft)



INPUT : Material Properties

Name	Modulus of Elasticity (kips/ft ²)	Poisson Ratio	Shear Modulus (kips/ft ²)	Unit Weight (kips/ft ³)	Thermal Expansion (1/ °F *10 ⁻⁶)	Assigned
PTStrand	4,104,000.00	0.2500	1,641,600.00	0.0000	0.000000	Yes
PTBar	4,176,000.00	0.2500	1,670,400.00	0.0000	0.000000	Yes
PTBarNoTime	4,176,000.00	0.2500	1,670,400.00	0.0000	0.000000	Yes
LowerChord	756,740.00	0.2000	315,308.33	0.1500	6.000000	Yes
UpperChord	756,740.00	0.2000	315,308.33	0.1500	6.000000	Yes
Web3.000	756,740.00	0.2000	315,308.33	0.1500	6.000000	Yes
Web2.875	756,740.00	0.2000	315,308.33	0.1500	6.000000	Yes
Web2.000	756,740.00	0.2000	315,308.33	0.1500	6.000000	Yes
LowerChordRigid	7.57e7	0.2000	3.15e7	0.1500	0.000000	Yes
UpperChordRigid	7.57e7	0.2000	3.15e7	0.1500	0.000000	No
Web3.000Rigid	7.57e7	0.2000	3.15e7	0.1500	0.000000	Yes
Web2.875Rigid	7.57e7	0.2000	3.15e7	0.1500	0.000000	Yes
Web2.000Rigid	7.57e7	0.2000	3.15e7	0.1500	0.000000	Yes

INPUT : Sections

Name	Section Area (ft ²)	Shear Area in yy (ft ²)	Shear Area in zz (ft ²)	Torsion Constant (ft ⁴)	Inertia Izz (ft ⁴)	Inertia Iyy (ft ⁴)	Plastic Modulus Zyy (ft ³)	Plastic Modulus Zzz (ft ³)	Perimeter (ft)	Material Time-Effect	Ductility	Residual Strength (%)	Assigned
LowerChord	45.2030	0.0000	0.0000	30.6990	2,972.2000	11.9990	0.0000	0.0000	65.6460	(NONE)	50.	0.	Yes
UpperChord	16.4350	0.0000	0.0000	5.7800	351.7500	2.6820	0.0000	0.0000	34.8840	(NONE)	50.	0.	Yes
Web3.000	5.2500	0.0000	0.0000	3.4070	1.3400	3.9380	0.0000	0.0000	9.5000	(NONE)	50.	0.	No
Web3.000Cr	5.2500	0.0000	0.0000	3.4070	0.5360	1.5750	0.0000	0.0000	9.5000	(NONE)	50.	0.	Yes
Web2.875	5.0310	0.0000	0.0000	3.1880	1.2840	3.4660	0.0000	0.0000	9.2500	(NONE)	50.	0.	No
Web2.875Cr	5.0310	0.0000	0.0000	3.1880	0.5140	1.3860	0.0000	0.0000	9.2500	(NONE)	50.	0.	Yes
Web2.000	3.5000	0.0000	0.0000	1.7080	0.8930	1.1670	0.0000	0.0000	7.5000	(NONE)	50.	0.	Yes
PTBarWeb02	0.0364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	(NONE)	50.	0.	Yes
PTBarWeb03	0.0728	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	(NONE)	50.	0.	Yes
PTBarWeb05	0.0219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	(NONE)	50.	0.	Yes
PTBarWeb06	0.0364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	(NONE)	50.	0.	Yes
PTBarWeb07	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	(NONE)	50.	0.	Yes
PTBarWeb08	0.0728	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	(NONE)	50.	0.	Yes
PTBarWeb10	0.1444	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	(NONE)	50.	0.	Yes



INPUT : Sections

Name	Section Area (ft²)	Shear Area in yy (ft²)	Shear Area in zz (ft²)	Torsion Constant (ft⁴)	Inertia Izz (ft⁴)	Inertia Iyy (ft⁴)	Plastic Modulus Zyy (ft³)	Plastic Modulus Zzz (ft³)	Perimeter (ft)	Material Time-Effect	Ductility	Residual Strength (%)	Assigned
PTBarWeb11	0.0364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	(NONE)	50.	0.	Yes

INPUT : Section Stress Points

Name	Point 1 Y (ft)	Point 1 Z (ft)	Point 2 Y (ft)	Point 2 Z (ft)	Point 3 Y (ft)	Point 3 Z (ft)	Point 4 Y (ft)	Point 4 Z (ft)	Point 5 Y (ft)	Point 5 Z (ft)	Point 6 Y (ft)	Point 6 Z (ft)
LowerChord	15.8333	0.9204	15.8333	-1.4025	-15.8330	-1.4025	-15.8333	0.9204	0.0000	0.9204	0.0000	-1.4025
UpperChord	8.0000	1.0118	8.0000	-1.1236	-8.0000	-1.1236	-8.0000	1.0118	0.0000	1.0118	0.0000	-1.1236
Web3.000	0.8750	1.5000	0.8750	-1.5000	-0.8750	-1.5000	-0.8750	1.5000	0.0000	1.5000	0.0000	-1.5000
Web3.000Cr	0.8750	1.5000	0.8750	-1.5000	-0.8750	-1.5000	-0.8750	1.5000	0.0000	1.5000	0.0000	-1.5000
Web2.875	0.8750	1.4375	0.8750	-1.4375	-0.8750	-1.4375	-0.8750	1.4375	0.0000	1.4375	0.0000	-1.4375
Web2.875Cr	0.8750	1.4375	0.8750	-1.4375	-0.8750	-1.4375	-0.8750	1.4375	0.0000	1.4375	0.0000	-1.4375
Web2.000	0.8750	1.0000	0.8750	-1.0000	-0.8750	-1.0000	-0.8750	1.0000	0.0000	1.0000	0.0000	-1.0000
PTBarWeb02	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)
PTBarWeb03	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)
PTBarWeb05	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)
PTBarWeb06	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)
PTBarWeb07	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)
PTBarWeb08	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)
PTBarWeb10	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)
PTBarWeb11	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)	(NONE)

INPUT : Section Dimensions

Name	Shape	Dimension D1	Dimension D2	Dimension D3	Dimension D4	Dimension D5	Dimension D6
LowerChord	Unspecified						
UpperChord	Unspecified						
Web3.000	Unspecified						
Web3.000Cr	Unspecified						
Web2.875	Unspecified						
Web2.875Cr	Unspecified						
Web2.000	Unspecified						
PTBarWeb02	Unspecified						
PTBarWeb03	Unspecified						



INPUT : Section Dimensions

Name	Shape	Dimension n/a	Dimension n/a	Dimension n/a	Dimension n/a	Dimension n/a	Dimension n/a
PTBarWeb05	Unspecified						
PTBarWeb06	Unspecified						
PTBarWeb07	Unspecified						
PTBarWeb08	Unspecified						
PTBarWeb10	Unspecified						
PTBarWeb11	Unspecified						

INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
101	0.0000	0.0000	1.4020	all free	all free	Global	Yes
102	1.5000	0.0000	1.4020	all free	all free	Global	Yes
103	2.7920	0.0000	1.4020	all free	all free	Global	Yes
104	7.9160	0.0000	1.4020	all free	all free	Global	Yes
105	14.1350	0.0000	1.4020	all free	all free	Global	Yes
106	20.3540	0.0000	1.4020	all free	all free	Global	Yes
107	26.5730	0.0000	1.4020	all free	all free	Global	Yes
108	32.7920	0.0000	1.4020	all free	all free	Global	Yes
109	33.6450	0.0000	1.4020	all free	all free	Global	Yes
110	37.1820	0.0000	1.4020	all free	all free	Global	Yes
111	44.0250	0.0000	1.4020	all free	all free	Global	Yes
112	50.8690	0.0000	1.4020	all free	all free	Global	Yes
113	57.7130	0.0000	1.4020	all free	all free	Global	Yes
114	64.5560	0.0000	1.4020	all free	all free	Global	Yes
115	65.5570	0.0000	1.4020	all free	all free	Global	Yes
116	68.6450	0.0000	1.4020	all free	all free	Global	Yes
117	75.9130	0.0000	1.4020	all free	all free	Global	Yes
118	83.1820	0.0000	1.4020	all free	all free	Global	Yes
119	90.4510	0.0000	1.4020	all free	all free	Global	Yes
120	97.7200	0.0000	1.4020	all free	all free	Global	Yes
121	99.0490	0.0000	1.4020	all free	all free	Global	Yes
122	101.5610	0.0000	1.4020	all free	all free	Global	Yes
123	109.4310	0.0000	1.4020	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
124	117.3000	0.0000	1.4020	all free	all free	Global	Yes
125	125.1690	0.0000	1.4020	all free	all free	Global	Yes
126	133.0390	0.0000	1.4020	all free	all free	Global	Yes
127	135.0170	0.0000	1.4020	all free	all free	Global	Yes
128	136.7950	0.0000	1.4020	all free	all free	Global	Yes
129	145.0610	0.0000	1.4020	all free	all free	Global	Yes
130	153.3270	0.0000	1.4020	all free	all free	Global	Yes
131	161.5920	0.0000	1.4020	all free	all free	Global	Yes
132	169.8580	0.0000	1.4020	all free	all free	Global	Yes
133	172.7610	0.0000	1.4020	all free	all free	Global	Yes
134	173.5620	0.0000	1.4020	all free	all free	Global	Yes
135	175.0000	0.0000	1.4020	all free	all free	Global	Yes
201	0.0000	0.0000	17.2170	all free	all free	Global	Yes
202	1.5000	0.0000	17.2170	all free	all free	Global	Yes
203	3.0000	0.0000	17.2170	all free	all free	Global	Yes
204	10.7900	0.0000	17.2170	all free	all free	Global	Yes
205	18.5800	0.0000	17.2170	all free	all free	Global	Yes
206	26.3690	0.0000	17.2170	all free	all free	Global	Yes
207	34.1590	0.0000	17.2170	all free	all free	Global	Yes
208	38.3380	0.0000	17.2170	all free	all free	Global	Yes
209	39.3160	0.0000	17.2170	all free	all free	Global	Yes
210	45.1970	0.0000	17.2170	all free	all free	Global	Yes
211	51.0770	0.0000	17.2170	all free	all free	Global	Yes
212	56.9580	0.0000	17.2170	all free	all free	Global	Yes
213	62.8390	0.0000	17.2170	all free	all free	Global	Yes
214	65.5270	0.0000	17.2170	all free	all free	Global	Yes
215	66.5280	0.0000	17.2170	all free	all free	Global	Yes
216	72.4960	0.0000	17.2170	all free	all free	Global	Yes
217	78.4640	0.0000	17.2170	all free	all free	Global	Yes
218	84.4320	0.0000	17.2170	all free	all free	Global	Yes
219	90.4000	0.0000	17.2170	all free	all free	Global	Yes
220	92.7640	0.0000	17.2170	all free	all free	Global	Yes
221	93.9260	0.0000	17.2170	all free	all free	Global	Yes
222	99.9760	0.0000	17.2170	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
223	106.0260	0.0000	17.2170	all free	all free	Global	Yes
224	112.0760	0.0000	17.2170	all free	all free	Global	Yes
225	118.1260	0.0000	17.2170	all free	all free	Global	Yes
226	120.0780	0.0000	17.2170	all free	all free	Global	Yes
227	121.6590	0.0000	17.2170	all free	all free	Global	Yes
228	127.7600	0.0000	17.2170	all free	all free	Global	Yes
229	133.8610	0.0000	17.2170	all free	all free	Global	Yes
230	139.9620	0.0000	17.2170	all free	all free	Global	Yes
231	146.0630	0.0000	17.2170	all free	all free	Global	Yes
232	147.5090	0.0000	17.2170	all free	all free	Global	Yes
233	149.7400	0.0000	17.2170	all free	all free	Global	Yes
234	155.3360	0.0000	17.2170	all free	all free	Global	Yes
235	160.9320	0.0000	17.2170	all free	all free	Global	Yes
236	166.5290	0.0000	17.2170	all free	all free	Global	Yes
237	172.1250	0.0000	17.2170	all free	all free	Global	Yes
238	173.5620	0.0000	17.2170	all free	all free	Global	Yes
239	175.0000	0.0000	17.2170	all free	all free	Global	Yes
10101	1.5000	0.0000	2.5890	all free	all free	Global	Yes
10102	1.5000	0.0000	6.2460	all free	all free	Global	Yes
10103	1.5000	0.0000	9.9030	all free	all free	Global	Yes
10104	1.5000	0.0000	13.5600	all free	all free	Global	Yes
10201	5.4580	0.0000	2.5890	all free	all free	Global	Yes
10202	12.9350	0.0000	5.9150	all free	all free	Global	Yes
10203	20.4120	0.0000	9.2420	all free	all free	Global	Yes
10204	27.8900	0.0000	12.5690	all free	all free	Global	Yes
10205	35.3670	0.0000	15.8960	all free	all free	Global	Yes
10301	34.0240	0.0000	2.6790	all free	all free	Global	Yes
10302	35.0050	0.0000	5.9830	all free	all free	Global	Yes
10303	35.9850	0.0000	9.2870	all free	all free	Global	Yes
10304	36.9650	0.0000	12.5920	all free	all free	Global	Yes
10305	37.9450	0.0000	15.8960	all free	all free	Global	Yes
10401	36.2190	0.0000	2.6790	all free	all free	Global	Yes
10402	43.0860	0.0000	6.0850	all free	all free	Global	Yes
10403	49.9520	0.0000	9.4910	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
10404	56.8180	0.0000	12.8970	all free	all free	Global	Yes
10405	63.6850	0.0000	16.3030	all free	all free	Global	Yes
10501	65.5550	0.0000	2.5890	all free	all free	Global	Yes
10502	65.5490	0.0000	6.0180	all free	all free	Global	Yes
10503	65.5420	0.0000	9.4460	all free	all free	Global	Yes
10504	65.5350	0.0000	12.8750	all free	all free	Global	Yes
10505	65.5290	0.0000	16.3030	all free	all free	Global	Yes
10601	67.5990	0.0000	2.5890	all free	all free	Global	Yes
10602	73.5320	0.0000	6.0380	all free	all free	Global	Yes
10603	79.4650	0.0000	9.4870	all free	all free	Global	Yes
10604	85.3980	0.0000	12.9360	all free	all free	Global	Yes
10605	91.3310	0.0000	16.3850	all free	all free	Global	Yes
10701	98.6070	0.0000	2.5150	all free	all free	Global	Yes
10702	97.2290	0.0000	5.9820	all free	all free	Global	Yes
10703	95.8510	0.0000	9.4500	all free	all free	Global	Yes
10704	94.4730	0.0000	12.9170	all free	all free	Global	Yes
10705	93.0940	0.0000	16.3850	all free	all free	Global	Yes
10801	100.5280	0.0000	2.5150	all free	all free	Global	Yes
10802	105.1570	0.0000	5.9960	all free	all free	Global	Yes
10803	109.7870	0.0000	9.4780	all free	all free	Global	Yes
10804	114.4160	0.0000	12.9590	all free	all free	Global	Yes
10805	119.0450	0.0000	16.4400	all free	all free	Global	Yes
10901	133.9940	0.0000	2.4850	all free	all free	Global	Yes
10902	130.6990	0.0000	5.9740	all free	all free	Global	Yes
10903	127.4030	0.0000	9.4630	all free	all free	Global	Yes
10904	124.1080	0.0000	12.9520	all free	all free	Global	Yes
10905	120.8120	0.0000	16.4400	all free	all free	Global	Yes
11001	135.8720	0.0000	2.4850	all free	all free	Global	Yes
11002	138.6290	0.0000	5.9760	all free	all free	Global	Yes
11003	141.3860	0.0000	9.4660	all free	all free	Global	Yes
11004	144.1430	0.0000	12.9570	all free	all free	Global	Yes
11005	146.9000	0.0000	16.4470	all free	all free	Global	Yes
11101	170.9920	0.0000	2.5100	all free	all free	Global	Yes
11102	165.4280	0.0000	5.9950	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
11103	159.8650	0.0000	9.4790	all free	all free	Global	Yes
11104	154.3020	0.0000	12.9630	all free	all free	Global	Yes
11105	148.7390	0.0000	16.4470	all free	all free	Global	Yes
11201	173.5620	0.0000	2.5100	all free	all free	Global	Yes
11202	173.5620	0.0000	6.1870	all free	all free	Global	Yes
11203	173.5620	0.0000	9.8640	all free	all free	Global	Yes
11204	173.5620	0.0000	13.5410	all free	all free	Global	Yes

INPUT : Members

ID	I-Joint	J-Joint	Span	Type	Section at Start	Section at End	Material	Prestress Force (kips)	Length (ft)	Rigid Zone from Start (x/L)	Rigid Zone from End (x/L)	Orientation Angle (deg)	Casting (day)	Structure Group
101	101	102	-	Beam	LowerChord	LowerChord	LowerChordRigid	0.0000	1.5	0.0000	0.0000	0.0000	0	LowerChord
102	102	103	-	Beam	LowerChord	LowerChord	LowerChordRigid	0.0000	1.292	0.0000	0.0000	0.0000	0	LowerChord
103	103	104	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	5.124	0.0000	0.0000	0.0000	0	LowerChord
104	104	105	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	6.219	0.0000	0.0000	0.0000	0	LowerChord
105	105	106	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	6.219	0.0000	0.0000	0.0000	0	LowerChord
106	106	107	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	6.219	0.0000	0.0000	0.0000	0	LowerChord
107	107	108	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	6.219	0.0000	0.0000	0.0000	0	LowerChord
108	108	109	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	.853	0.0000	0.0000	0.0000	0	LowerChord
109	109	110	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	3.537	0.0000	0.0000	0.0000	0	LowerChord
110	110	111	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	6.843	0.0000	0.0000	0.0000	0	LowerChord
111	111	112	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	6.844	0.0000	0.0000	0.0000	0	LowerChord
112	112	113	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	6.844	0.0000	0.0000	0.0000	0	LowerChord
113	113	114	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	6.843	0.0000	0.0000	0.0000	0	LowerChord
114	114	115	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	1.001	0.0000	0.0000	0.0000	0	LowerChord
115	115	116	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	3.088	0.0000	0.0000	0.0000	0	LowerChord
116	116	117	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	7.268	0.0000	0.0000	0.0000	0	LowerChord
117	117	118	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	7.269	0.0000	0.0000	0.0000	0	LowerChord
118	118	119	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	7.269	0.0000	0.0000	0.0000	0	LowerChord
119	119	120	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	7.269	0.0000	0.0000	0.0000	0	LowerChord
120	120	121	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	1.329	0.0000	0.0000	0.0000	0	LowerChord
121	121	122	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	2.512	0.0000	0.0000	0.0000	0	LowerChord
122	122	123	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	7.87	0.0000	0.0000	0.0000	0	LowerChord



INPUT : Members

ID	I-Joint	J-Joint	Span	Type	Section at Start	Section at End	Material	Prestress Force (kips)	Length (ft)	Rigid Zone from Start (x/L)	Rigid Zone from End (x/L)	Orientation Angle (deg)	Castin g (day)	Structure Group
123	123	124	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	7.869	0.0000	0.0000	0.0000	0	LowerChord
124	124	125	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	7.869	0.0000	0.0000	0.0000	0	LowerChord
125	125	126	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	7.87	0.0000	0.0000	0.0000	0	LowerChord
126	126	127	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	1.978	0.0000	0.0000	0.0000	0	LowerChord
127	127	128	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	1.778	0.0000	0.0000	0.0000	0	LowerChord
128	128	129	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	8.266	0.0000	0.0000	0.0000	0	LowerChord
129	129	130	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	8.266	0.0000	0.0000	0.0000	0	LowerChord
130	130	131	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	8.265	0.0000	0.0000	0.0000	0	LowerChord
131	131	132	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	8.266	0.0000	0.0000	0.0000	0	LowerChord
132	132	133	-	Beam	LowerChord	LowerChord	LowerChord	0.0000	2.903	0.0000	0.0000	0.0000	0	LowerChord
133	133	134	-	Beam	LowerChord	LowerChord	LowerChordRigid	0.0000	.801	0.0000	0.0000	0.0000	0	LowerChord
134	134	135	-	Beam	LowerChord	LowerChord	LowerChordRigid	0.0000	1.438	0.0000	0.0000	0.0000	0	LowerChord
201	201	202	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	1.5	0.0000	0.0000	0.0000	0	UpperChord
202	202	203	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	1.5	0.0000	0.0000	0.0000	0	UpperChord
203	203	204	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	7.79	0.0000	0.0000	0.0000	0	UpperChord
204	204	205	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	7.79	0.0000	0.0000	0.0000	0	UpperChord
205	205	206	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	7.789	0.0000	0.0000	0.0000	0	UpperChord
206	206	207	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	7.79	0.0000	0.0000	0.0000	0	UpperChord
207	207	208	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	4.179	0.0000	0.0000	0.0000	0	UpperChord
208	208	209	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	.978	0.0000	0.0000	0.0000	0	UpperChord
209	209	210	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.881	0.0000	0.0000	0.0000	0	UpperChord
210	210	211	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.88	0.0000	0.0000	0.0000	0	UpperChord
211	211	212	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.881	0.0000	0.0000	0.0000	0	UpperChord
212	212	213	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.881	0.0000	0.0000	0.0000	0	UpperChord
213	213	214	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	2.688	0.0000	0.0000	0.0000	0	UpperChord
214	214	215	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	1.001	0.0000	0.0000	0.0000	0	UpperChord
215	215	216	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.968	0.0000	0.0000	0.0000	0	UpperChord
216	216	217	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.968	0.0000	0.0000	0.0000	0	UpperChord
217	217	218	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.968	0.0000	0.0000	0.0000	0	UpperChord
218	218	219	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.968	0.0000	0.0000	0.0000	0	UpperChord
219	219	220	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	2.364	0.0000	0.0000	0.0000	0	UpperChord
220	220	221	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	1.162	0.0000	0.0000	0.0000	0	UpperChord
221	221	222	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	6.05	0.0000	0.0000	0.0000	0	UpperChord
222	222	223	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	6.05	0.0000	0.0000	0.0000	0	UpperChord



INPUT : Members

ID	I-Joint	J-Joint	Span	Type	Section at Start	Section at End	Material	Prestress Force (kips)	Length (ft)	Rigid Zone from Start (x/L)	Rigid Zone from End (x/L)	Orientation Angle (deg)	Castin g (day)	Structure Group
223	223	224	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	6.05	0.0000	0.0000	0.0000	0	UpperChord
224	224	225	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	6.05	0.0000	0.0000	0.0000	0	UpperChord
225	225	226	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	1.952	0.0000	0.0000	0.0000	0	UpperChord
226	226	227	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	1.581	0.0000	0.0000	0.0000	0	UpperChord
227	227	228	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	6.101	0.0000	0.0000	0.0000	0	UpperChord
228	228	229	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	6.101	0.0000	0.0000	0.0000	0	UpperChord
229	229	230	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	6.101	0.0000	0.0000	0.0000	0	UpperChord
230	230	231	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	6.101	0.0000	0.0000	0.0000	0	UpperChord
231	231	232	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	1.446	0.0000	0.0000	0.0000	0	UpperChord
232	232	233	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	2.231	0.0000	0.0000	0.0000	0	UpperChord
233	233	234	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.596	0.0000	0.0000	0.0000	0	UpperChord
234	234	235	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.596	0.0000	0.0000	0.0000	0	UpperChord
235	235	236	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.597	0.0000	0.0000	0.0000	0	UpperChord
236	236	237	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	5.596	0.0000	0.0000	0.0000	0	UpperChord
237	237	238	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	1.437	0.0000	0.0000	0.0000	0	UpperChord
238	238	239	-	Beam	UpperChord	UpperChord	UpperChord	0.0000	1.438	0.0000	0.0000	0.0000	0	UpperChord
10101	102	10101	-	Beam	Web3.000Cr	Web3.000Cr	Web3.000Rigid	0.0000	1.187	0.0000	0.0000	0.0000	0	WebMembers
10102	10101	10102	-	Beam	Web3.000Cr	Web3.000Cr	Web3.000	0.0000	3.657	0.0000	0.0000	0.0000	0	WebMembers
10103	10102	10103	-	Beam	Web3.000Cr	Web3.000Cr	Web3.000	0.0000	3.657	0.0000	0.0000	0.0000	0	WebMembers
10104	10103	10104	-	Beam	Web3.000Cr	Web3.000Cr	Web3.000	0.0000	3.657	0.0000	0.0000	0.0000	0	WebMembers
10105	10104	202	-	Beam	Web3.000Cr	Web3.000Cr	Web3.000	0.0000	3.657	0.0000	0.0000	0.0000	0	WebMembers
10201	103	10201	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	2.9183	0.0000	0.0000	0.0000	0	WebMembers
10202	10201	10202	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	8.1834	0.0000	0.0000	0.0000	0	WebMembers
10203	10202	10203	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	8.1838	0.0000	0.0000	0.0000	0	WebMembers
10204	10203	10204	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	8.1847	0.0000	0.0000	0.0000	0	WebMembers
10205	10204	10205	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	8.1838	0.0000	0.0000	0.0000	0	WebMembers
10206	10205	208	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.2514	0.0000	0.0000	0.0000	0	WebMembers
10301	109	10301	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.3321	0.0000	0.0000	0.0000	0	WebMembers
10302	10301	10302	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.4466	0.0000	0.0000	0.0000	0	WebMembers
10303	10302	10303	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.4463	0.0000	0.0000	0.0000	0	WebMembers
10304	10303	10304	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.4472	0.0000	0.0000	0.0000	0	WebMembers
10305	10304	10305	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.4463	0.0000	0.0000	0.0000	0	WebMembers
10306	10305	208	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.3782	0.0000	0.0000	0.0000	0	WebMembers
10401	109	10401	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	2.8734	0.0000	0.0000	0.0000	0	WebMembers



INPUT : Members

ID	I-Joint	J-Joint	Span	Type	Section at Start	Section at End	Material	Prestress Force (kips)	Length (ft)	Rigid Zone from Start (x/L)	Rigid Zone from End (x/L)	Orientation Angle (deg)	Castin g (day)	Structure Group
10402	10401	10402	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	7.6653	0.0000	0.0000	0.0000	0	WebMembers
10403	10402	10403	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	7.6644	0.0000	0.0000	0.0000	0	WebMembers
10404	10403	10404	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	7.6644	0.0000	0.0000	0.0000	0	WebMembers
10405	10404	10405	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	7.6653	0.0000	0.0000	0.0000	0	WebMembers
10406	10405	214	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	2.0563	0.0000	0.0000	0.0000	0	WebMembers
10501	115	10501	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.187	0.0000	0.0000	0.0000	0	WebMembers
10502	10501	10502	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.429	0.0000	0.0000	0.0000	0	WebMembers
10503	10502	10503	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.428	0.0000	0.0000	0.0000	0	WebMembers
10504	10503	10504	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.429	0.0000	0.0000	0.0000	0	WebMembers
10505	10504	10505	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.428	0.0000	0.0000	0.0000	0	WebMembers
10506	10505	214	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	.914	0.0000	0.0000	0.0000	0	WebMembers
10601	115	10601	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	2.3619	0.0000	0.0000	0.0000	0	WebMembers
10602	10601	10602	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	6.8627	0.0000	0.0000	0.0000	0	WebMembers
10603	10602	10603	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	6.8627	0.0000	0.0000	0.0000	0	WebMembers
10604	10603	10604	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	6.8627	0.0000	0.0000	0.0000	0	WebMembers
10605	10604	10605	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	6.8627	0.0000	0.0000	0.0000	0	WebMembers
10606	10605	220	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.657	0.0000	0.0000	0.0000	0	WebMembers
10701	121	10701	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.1976	0.0000	0.0000	0.0000	0	WebMembers
10702	10701	10702	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.7308	0.0000	0.0000	0.0000	0	WebMembers
10703	10702	10703	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.7317	0.0000	0.0000	0.0000	0	WebMembers
10704	10703	10704	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.7308	0.0000	0.0000	0.0000	0	WebMembers
10705	10704	10705	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	3.7321	0.0000	0.0000	0.0000	0	WebMembers
10706	10705	220	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	.8951	0.0000	0.0000	0.0000	0	WebMembers
10801	121	10801	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.851	0.0000	0.0000	0.0000	0	WebMembers
10802	10801	10802	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	5.7918	0.0000	0.0000	0.0000	0	WebMembers
10803	10802	10803	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	5.7932	0.0000	0.0000	0.0000	0	WebMembers
10804	10803	10804	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	5.7918	0.0000	0.0000	0.0000	0	WebMembers
10805	10804	10805	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	5.7918	0.0000	0.0000	0.0000	0	WebMembers
10806	10805	226	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.2926	0.0000	0.0000	0.0000	0	WebMembers
10901	127	10901	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.4898	0.0000	0.0000	0.0000	0	WebMembers
10902	10901	10902	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	4.799	0.0000	0.0000	0.0000	0	WebMembers
10903	10902	10903	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	4.7997	0.0000	0.0000	0.0000	0	WebMembers
10904	10903	10904	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	4.799	0.0000	0.0000	0.0000	0	WebMembers
10905	10904	10905	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	4.7989	0.0000	0.0000	0.0000	0	WebMembers



INPUT : Members

ID	I-Joint	J-Joint	Span	Type	Section at Start	Section at End	Material	Prestress Force (kips)	Length (ft)	Rigid Zone from Start (x/L)	Rigid Zone from End (x/L)	Orientation Angle (deg)	Castin g (day)	Structure Group
10906	10905	226	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.0689	0.0000	0.0000	0.0000	0	WebMembers
11001	127	11001	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.3798	0.0000	0.0000	0.0000	0	WebMembers
11002	11001	11002	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	4.4484	0.0000	0.0000	0.0000	0	WebMembers
11003	11002	11003	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	4.4476	0.0000	0.0000	0.0000	0	WebMembers
11004	11003	11004	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	4.4484	0.0000	0.0000	0.0000	0	WebMembers
11005	11004	11005	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	4.4476	0.0000	0.0000	0.0000	0	WebMembers
11006	11005	232	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	.9817	0.0000	0.0000	0.0000	0	WebMembers
11101	133	11101	-	Beam	Web2.000	Web2.000	Web2.000Rigid	0.0000	2.0873	0.0000	0.0000	0.0000	0	WebMembers
11102	11101	11102	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	6.5653	0.0000	0.0000	0.0000	0	WebMembers
11103	11102	11103	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	6.5639	0.0000	0.0000	0.0000	0	WebMembers
11104	11103	11104	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	6.5639	0.0000	0.0000	0.0000	0	WebMembers
11105	11104	11105	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	6.5639	0.0000	0.0000	0.0000	0	WebMembers
11106	11105	232	-	Beam	Web2.000	Web2.000	Web2.000	0.0000	1.4511	0.0000	0.0000	0.0000	0	WebMembers
11201	134	11201	-	Beam	Web2.875Cr	Web2.875Cr	Web2.875Rigid	0.0000	1.108	0.0000	0.0000	0.0000	0	WebMembers
11202	11201	11202	-	Beam	Web2.875Cr	Web2.875Cr	Web2.875	0.0000	3.677	0.0000	0.0000	0.0000	0	WebMembers
11203	11202	11203	-	Beam	Web2.875Cr	Web2.875Cr	Web2.875	0.0000	3.677	0.0000	0.0000	0.0000	0	WebMembers
11204	11203	11204	-	Beam	Web2.875Cr	Web2.875Cr	Web2.875	0.0000	3.677	0.0000	0.0000	0.0000	0	WebMembers
11205	11204	238	-	Beam	Web2.875Cr	Web2.875Cr	Web2.875	0.0000	3.676	0.0000	0.0000	0.0000	0	WebMembers
802	103	208	-	Cable	PTBarWeb02	PTBarWeb02	PTBarNoTime	0.0000	38.9054	0.0000	0.0000	0.0000	0	WebPTBar02, AllWebBars
803	109	208	-	Cable	PTBarWeb03	PTBarWeb03	PTBarNoTime	0.0000	16.4966	0.0000	0.0000	0.0000	0	WebPTBar03, AllWebBars
805	115	214	-	Cable	PTBarWeb05	PTBarWeb05	PTBarNoTime	0.0000	15.815	0.0000	0.0000	0.0000	0	WebPTBar05, AllWebBars
806	115	220	-	Cable	PTBarWeb06	PTBarWeb06	PTBarNoTime	0.0000	31.4696	0.0000	0.0000	0.0000	0	WebPTBar06, AllWebBars
807	121	220	-	Cable	PTBarWeb07	PTBarWeb07	PTBarNoTime	0.0000	17.0181	0.0000	0.0000	0.0000	0	WebPTBar07, AllWebBars
808	121	226	-	Cable	PTBarWeb08	PTBarWeb08	PTBarNoTime	0.0000	26.3122	0.0000	0.0000	0.0000	0	WebPTBar08, AllWebBars
810	127	232	-	Cable	PTBarWeb10	PTBarWeb10	PTBarNoTime	0.0000	20.1535	0.0000	0.0000	0.0000	0	WebPTBar10, AllWebBars
811	133	232	-	Cable	PTBarWeb11	PTBarWeb11	PTBarNoTime	0.0000	29.7956	0.0000	0.0000	0.0000	0	WebPTBar11, AllWebBars

INPUT : Tendons

Tendon Name	Design Group	Material	Exposure	Strand Area (per strand) (ft²)	# of Strands	Jacking Force @ Start	Jacking Force @ End	Jacking End	Anchor Set (ft)	Wobble Coefficient	Curvature Friction Coefficient	Peak Stress Ratio -	Peak Stress Ratio -	Elongation After	Elongation After	Elongation @ Left of	Elongation @ Right	Add. Force Req.
C2L	(none)	PTStrand	Post-Tension	0.001507	12	531.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.161	0	0	0	0
C2R	(none)	PTStrand	Post-Tension	0.001507	12	531.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.161	0	0	0	0
C3L	(none)	PTStrand	Post-Tension	0.001507	12	534.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.1671	0	0	0	0



INPUT : Tendons

Tendon Name	Design Group	Material	Exposure	Strand Area (per strand) (ft²)	# of Strands	Jacking Force @ Start	Jacking Force @ End	Jacking End	Anchor Set (ft)	Wobble Coefficient	Curvature Friction Coefficient	Peak Stress Ratio -	Peak Stress Ratio -	Elongation After	Elongation After	Elongation @ Left of	Elongation @ Right	Add. Force Req.
C3R	(none)	PTStrand	Post-Tension	0.001507	12	534.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.1671	0	0	0	0
D1L	(none)	PTStrand	Post-Tension	0.001507	12	527.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.2091	0	0	0	0
D1R	(none)	PTStrand	Post-Tension	0.001507	12	527.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.2091	0	0	0	0
D2L	(none)	PTStrand	Post-Tension	0.001507	19	835.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.21	0	0	0	0
D2R	(none)	PTStrand	Post-Tension	0.001507	19	835.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.21	0	0	0	0
D3L	(none)	PTStrand	Post-Tension	0.001507	19	835.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.21	0	0	0	0
D3R	(none)	PTStrand	Post-Tension	0.001507	19	835.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.21	0	0	0	0
D4L	(none)	PTStrand	Post-Tension	0.001507	19	835.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.21	0	0	0	0
D4R	(none)	PTStrand	Post-Tension	0.001507	19	835.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.21	0	0	0	0
D5L	(none)	PTStrand	Post-Tension	0.001507	19	835.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.21	0	0	0	0
D5R	(none)	PTStrand	Post-Tension	0.001507	19	835.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.21	0	0	0	0
D6L	(none)	PTStrand	Post-Tension	0.001507	19	835.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.21	0	0	0	0
D6R	(none)	PTStrand	Post-Tension	0.001507	19	835.0	0	Start	0.03125	0.0002	0.23	0.800	0.800	1.21	0	0	0	0
BarWeb02	(none)	PTBar	Post-Tension	0.018194	2	0	560.0	End	0.00000	0.0000	0.00	0.700	0.700	.1434	0	0	0	0
BarWeb03	(none)	PTBar	Post-Tension	0.018194	4	0	1,120.0	End	0.00000	0.0000	0.00	0.700	0.700	.0608	0	0	0	0
BarWeb05	(none)	PTBar	Post-Tension	0.010972	2	0	332.0	End	0.00000	0.0000	0.00	0.700	0.700	.0573	0	0	0	0
BarWeb06	(none)	PTBar	Post-Tension	0.018194	2	0	560.0	End	0.00000	0.0000	0.00	0.700	0.700	.116	0	0	0	0
BarWeb07	(none)	PTBar	Post-Tension	0.018194	1	0	280.0	End	0.00000	0.0000	0.00	0.700	0.700	.0627	0	0	0	0
BarWeb08	(none)	PTBar	Post-Tension	0.018194	4	0	1,120.0	End	0.00000	0.0000	0.00	0.700	0.700	.097	0	0	0	0
BarWeb10	(none)	PTBar	Post-Tension	0.036111	4	0	1,556.0	End	0.00000	0.0000	0.00	0.700	0.700	.052	0	0	0	0
BarWeb11	(none)	PTBar	Post-Tension	0.018194	2	0	560.0	End	0.00000	0.0000	0.00	0.700	0.700	.1098	0	0	0	0

INPUT : More Material Properties

Name	Yield Stress (kips/ft²)	Post-yield to Initial Slope Ratio	Concrete Strength Specimen	Concrete fc28 or Steel Fu (kips/ft²)	Concrete Cement Hardening Type	Tendon GUTS (kips/ft²)	Material Time-Effect	Assigned
PTStrand	34,992.00	0.020	Cylinder	38,880.00	Not Concrete	38,880.00	TimePTStrand	Yes
PTBar	17,280.00	0.020	Cylinder	21,600.00	Not Concrete	21,600.00	TimePTBar	Yes
PTBarNoTime	17,280.00	0.020	Cylinder	21,600.00	Not Concrete	21,600.00	(NONE)	Yes
LowerChord	734.40	0.020	Cylinder	1,224.00	Normal	0.00	TimeConcrete	Yes
UpperChord	734.40	0.020	Cylinder	1,224.00	Normal	0.00	TimeConcrete	Yes
Web3.000	734.40	0.020	Cylinder	1,224.00	Normal	0.00	TimeConcrete	Yes
Web2.875	734.40	0.020	Cylinder	1,224.00	Normal	0.00	TimeConcrete	Yes
Web2.000	734.40	0.020	Cylinder	1,224.00	Normal	0.00	TimeConcrete	Yes



INPUT : More Material Properties

Name	Yield Stress (kips/ft ²)	Post-yield to Initial Slope Ratio	Concrete Strength Specimen	Concrete fc28 or Steel Fu (kips/ft ²)	Concrete Cement Hardening Type	Tendon GUTS (kips/ft ²)	Material Time-Effect	Assigned
LowerChordRigid	0.00	0.020	Cylinder	0.00	Not Concrete	0.00	(NONE)	Yes
UpperChordRigid	0.00	0.020	Cylinder	0.00	Not Concrete	0.00	(NONE)	No
Web3.000Rigid	0.00	0.020	Cylinder	0.00	Not Concrete	0.00	(NONE)	Yes
Web2.875Rigid	0.00	0.020	Cylinder	0.00	Not Concrete	0.00	(NONE)	Yes
Web2.000Rigid	0.00	0.020	Cylinder	0.00	Not Concrete	0.00	(NONE)	Yes

INPUT : CEB-FIP 90

Name	Creep Factor	Shrinkage Factor	Relaxation Factor	Exponent of Creep Development Eqn.	Constant in Shrinkage Development Eqn.	Temp. Adjusted Concrete Age	Steel Relaxation Type	Assigned
TimeConcrete	1.0000	1.0000	1.0000	0.3000	350.0000	No	Improved(Class 2)	Yes
TimePTStrand	1.0000	1.0000	1.0000	0.3000	350.0000	No	Custom	Yes
TimePTBar	1.0000	1.0000	1.0000	0.3000	350.0000	No	Custom	Yes

TENDON C2L

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	201	0.6667	2.4167	-0.7649	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	202-203										
geometry	member	204	0.2102	2.4167	-0.7649	Start	Reference Line	+Z1 Local Edge	Circular Radius	30.0000		
geometry	member	205	2.4205	3.5833	-0.9084	Start	Reference Line	+Z1 Local Edge	Circular Radius	30.0000		
path only	member	206-237										
geometry	member	238	0.4375	3.5833	-0.9084	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON C2R

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	201	0.6667	-2.4167	-0.7649	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	202-203										
geometry	member	204	0.2102	-2.4167	-0.7649	Start	Reference Line	+Z1 Local Edge	Circular Radius	30.0000		
geometry	member	205	2.4205	-3.5833	-0.9084	Start	Reference Line	+Z1 Local Edge	Circular Radius	30.0000		
path only	member	206-237										
geometry	member	238	0.4375	-3.5833	-0.9084	Start	Reference Line	+Z1 Local Edge	No Curve			



TENDON C3L

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	201	0.6667	3.6667	-0.9208	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	202-203										
geometry	member	204	0.2102	3.6667	-0.9208	Start	Reference Line	+Z1 Local Edge	Circular Radius	30.0000		
geometry	member	205	2.4205	4.8333	-1.1257	Start	Reference Line	+Z1 Local Edge	Circular Radius	30.0000		
path only	member	206-237										
geometry	member	238	0.4375	4.8333	-1.1257	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON C3R

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	201	0.6667	-3.6667	-0.9208	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	202-203										
geometry	member	204	0.2102	-3.6667	-0.9208	Start	Reference Line	+Z1 Local Edge	Circular Radius	30.0000		
geometry	member	205	2.4205	-4.8333	-1.1257	Start	Reference Line	+Z1 Local Edge	Circular Radius	30.0000		
path only	member	206-237										
geometry	member	238	0.4375	-4.8333	-1.1257	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D1L

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	1.8333	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	1.8333	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D1R

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	-1.8333	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	-1.8333	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			



TENDON D2L

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	3.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	3.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D2R

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	-3.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	-3.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D3L

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	4.6667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	4.6667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D3R

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	-4.6667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	-4.6667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D4L

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	6.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										



TENDON D4L

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	134	0.4375	6.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D4R

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	-6.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	-6.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D5L

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	7.6667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	7.6667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D5R

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	-7.6667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	-7.6667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D6L

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	9.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	9.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON D6R

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	101	0.7500	-9.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			
path only	member	102-133										
geometry	member	134	0.4375	-9.1667	-0.9596	Start	Reference Line	+Z1 Local Edge	No Curve			

TENDON BarWeb02

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	10201	0.0000	0.0000	0.0000	Start	Reference Line	Reference Line	No Curve			
path only	member	10202-10205										
geometry	member	10206	0.0000	0.0000	0.0000	End	Reference Line	Reference Line	No Curve			

TENDON BarWeb03

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	10301	0.0000	0.0000	0.0000	Start	Reference Line	Reference Line	No Curve			
path only	member	10302-10305										
geometry	member	10306	0.0000	0.0000	0.0000	End	Reference Line	Reference Line	No Curve			

TENDON BarWeb05

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	10501	0.0000	0.0000	0.0000	Start	Reference Line	Reference Line	No Curve			
path only	member	10502-10505										
geometry	member	10506	0.0000	0.0000	0.0000	End	Reference Line	Reference Line	No Curve			

TENDON BarWeb06

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	10601	0.0000	0.0000	0.0000	Start	Reference Line	Reference Line	No Curve			
path only	member	10602-10605										

TENDON BarWeb06

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	10606	0.0000	0.0000	0.0000	End	Reference Line	Reference Line	No Curve			

TENDON BarWeb07

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	10701	0.0000	0.0000	0.0000	Start	Reference Line	Reference Line	No Curve			
path only	member	10702-10705										
geometry	member	10706	0.0000	0.0000	0.0000	End	Reference Line	Reference Line	No Curve			

TENDON BarWeb08

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	10801	0.0000	0.0000	0.0000	Start	Reference Line	Reference Line	No Curve			
path only	member	10802-10805										
geometry	member	10806	0.0000	0.0000	0.0000	End	Reference Line	Reference Line	No Curve			

TENDON BarWeb10

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	11001	0.0000	0.0000	0.0000	Start	Reference Line	Reference Line	No Curve			
path only	member	11002-11005										
geometry	member	11006	0.0000	0.0000	0.0000	End	Reference Line	Reference Line	No Curve			

TENDON BarWeb11

Point Type	Reference Object Type	Reference Object or Range	Offset X (ft)	Offset Y (ft)	Offset Z (ft)	X Reference	Y Reference	Z Reference	Curvature Type			Width
geometry	member	11101	0.0000	0.0000	0.0000	Start	Reference Line	Reference Line	No Curve			
path only	member	11102-11105										
geometry	member	11106	0.0000	0.0000	0.0000	End	Reference Line	Reference Line	No Curve			

STRUCTURE GROUP SUMMARY

LowerChord										
Members										
101	102	103	104	105	106	107	108	109	110	
111	112	113	114	115	116	117	118	119	120	
121	122	123	124	125	126	127	128	129	130	
131	132	133	134							

UpperChord										
Members										
201	202	203	204	205	206	207	208	209	210	
211	212	213	214	215	216	217	218	219	220	
221	222	223	224	225	226	227	228	229	230	
231	232	233	234	235	236	237	238			

WebMembers										
Members										
10101	10102	10103	10104	10105	10201	10202	10203	10204	10205	
10206	10301	10302	10303	10304	10305	10306	10401	10402	10403	
10404	10405	10406	10501	10502	10503	10504	10505	10506	10601	
10602	10603	10604	10605	10606	10701	10702	10703	10704	10705	
10706	10801	10802	10803	10804	10805	10806	10901	10902	10903	
10904	10905	10906	11001	11002	11003	11004	11005	11006	11101	
11102	11103	11104	11105	11106	11201	11202	11203	11204	11205	

WebPTBar02										
Members										
802										

WebPTBar03										
Members										
803										

WebPTBar05										
------------	--	--	--	--	--	--	--	--	--	--

Members

805

WebPTBar06

Members

806

WebPTBar07

Members

807

WebPTBar08

Members

808

WebPTBar10

Members

810

WebPTBar11

Members

811

AllWebBars

Members

802 803 805 806 807 808 810 811

Load Cases

ID	Name	Analysis Type	Class	Status	Weight Factor X	Weight Factor Y	Weight Factor Z	Is Dynamic Mass?	Assigned to Load Combinati	# of Joint Loads	# of Support Loads	# of Member Loads	# of Member Thermal	# of Plate Loads	# of Moving Loads	# of THA Loadings	# of THA Initial Conditio
1	Self weight	Static	Dead Load	Active	0.0000	0.0000	-1.0000	No	Yes	0	0	0	0	0	0	0	0
2	Self weight additional	Static	Dead Load	Active	0.0000	0.0000	0.0000	No	Yes	5	0	34	0	0	0	0	0
3	Web02	Static	Prestress Load	Active	0.0000	0.0000	0.0000	No	Yes	0	0	1	0	0	0	0	0
4	Web03	Static	Prestress Load	Active	0.0000	0.0000	0.0000	No	Yes	0	0	1	0	0	0	0	0
5	Web05	Static	Prestress Load	Active	0.0000	0.0000	0.0000	No	Yes	0	0	1	0	0	0	0	0
6	Web06	Static	Prestress Load	Active	0.0000	0.0000	0.0000	No	Yes	0	0	1	0	0	0	0	0



Load Cases

ID	Name	Analysis Type	Class	Status	Weight Factor X	Weight Factor Y	Weight Factor Z	Is Dynamic Mass?	Assigned to Load Combinati	# of Joint Loads	# of Support Loads	# of Member Loads	# of Member Thermal	# of Plate Loads	# of Moving Loads	# of THA Loadings	# of THA Initial Conditio
7	Web07	Static	Prestress Load	Active	0.0000	0.0000	0.0000	No	Yes	0	0	1	0	0	0	0	0
8	Web08	Static	Prestress Load	Active	0.0000	0.0000	0.0000	No	Yes	0	0	1	0	0	0	0	0
9	Web10	Static	Prestress Load	Active	0.0000	0.0000	0.0000	No	Yes	0	0	1	0	0	0	0	0
10	Web11	Static	Prestress Load	Active	0.0000	0.0000	0.0000	No	Yes	0	0	1	0	0	0	0	0

LOAD CASE Self weight additional, Member Loads

Member	Type	Direction	Magnitude at Start (kips or kips-ft)	Magnitude at End (kips or kips-ft)	Start Position (x/L)	End Position from start (x/L)
101	Uniform Force	Global Z	-0.14600		0.0000	1.0000
102	Uniform Force	Global Z	-0.14600		0.0000	1.0000
103	Uniform Force	Global Z	-0.14600		0.0000	1.0000
104	Uniform Force	Global Z	-0.14600		0.0000	1.0000
105	Uniform Force	Global Z	-0.14600		0.0000	1.0000
106	Uniform Force	Global Z	-0.14600		0.0000	1.0000
107	Uniform Force	Global Z	-0.14600		0.0000	1.0000
108	Uniform Force	Global Z	-0.14600		0.0000	1.0000
109	Uniform Force	Global Z	-0.14600		0.0000	1.0000
110	Uniform Force	Global Z	-0.14600		0.0000	1.0000
111	Uniform Force	Global Z	-0.14600		0.0000	1.0000
112	Uniform Force	Global Z	-0.14600		0.0000	1.0000
113	Uniform Force	Global Z	-0.14600		0.0000	1.0000
114	Uniform Force	Global Z	-0.14600		0.0000	1.0000
115	Uniform Force	Global Z	-0.14600		0.0000	1.0000
116	Uniform Force	Global Z	-0.14600		0.0000	1.0000
117	Uniform Force	Global Z	-0.14600		0.0000	1.0000
118	Uniform Force	Global Z	-0.14600		0.0000	1.0000
119	Uniform Force	Global Z	-0.14600		0.0000	1.0000
120	Uniform Force	Global Z	-0.14600		0.0000	1.0000
121	Uniform Force	Global Z	-0.14600		0.0000	1.0000
122	Uniform Force	Global Z	-0.14600		0.0000	1.0000
123	Uniform Force	Global Z	-0.14600		0.0000	1.0000
124	Uniform Force	Global Z	-0.14600		0.0000	1.0000
125	Uniform Force	Global Z	-0.14600		0.0000	1.0000



LOAD CASE Self weight additional, Member Loads

Member	Type	Direction	Magnitude at Start (kips or kips-ft)	Magnitude at End (kips or kips-ft)	Start Position (x/L)	End Position from start (x/L)
126	Uniform Force	Global Z	-0.14600		0.0000	1.0000
127	Uniform Force	Global Z	-0.14600		0.0000	1.0000
128	Uniform Force	Global Z	-0.14600		0.0000	1.0000
129	Uniform Force	Global Z	-0.14600		0.0000	1.0000
130	Uniform Force	Global Z	-0.14600		0.0000	1.0000
131	Uniform Force	Global Z	-0.14600		0.0000	1.0000
132	Uniform Force	Global Z	-0.14600		0.0000	1.0000
133	Uniform Force	Global Z	-0.14600		0.0000	1.0000
134	Uniform Force	Global Z	-0.14600		0.0000	1.0000

LOAD CASE Self weight additional, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
208	0.0000	0.0000	-6.7000	0.0000	0.0000	0.0000
214	0.0000	0.0000	-6.7000	0.0000	0.0000	0.0000
220	0.0000	0.0000	-6.7000	0.0000	0.0000	0.0000
226	0.0000	0.0000	-6.7000	0.0000	0.0000	0.0000
232	0.0000	0.0000	-6.7000	0.0000	0.0000	0.0000

LOAD CASE Web02, Member Loads

Member	Type	Direction	Magnitude at Start (kips or kips-ft)	Magnitude at End (kips or kips-ft)	Start Position (x/L)	End Position from start (x/L)
802	Post-Tension	Local x	560.00000		0.0000	

LOAD CASE Web03, Member Loads

Member	Type	Direction	Magnitude at Start (kips or kips-ft)	Magnitude at End (kips or kips-ft)	Start Position (x/L)	End Position from start (x/L)
803	Post-Tension	Local x	1,120.00000		0.0000	

LOAD CASE Web05, Member Loads

Member	Type	Direction	Magnitude at Start (kips or kips-ft)	Magnitude at End (kips or kips-ft)	Start Position (x/L)	End Position from start (x/L)
805	Post-Tension	Local x	332.00000		0.0000	

LOAD CASE Web06, Member Loads

Member	Type	Direction	Magnitude at Start (kips or kips-ft)	Magnitude at End (kips or kips-ft)	Start Position (x/L)	End Position from start (x/L)
806	Post-Tension	Local x	560.00000		0.0000	

LOAD CASE Web07, Member Loads

Member	Type	Direction	Magnitude at Start (kips or kips-ft)	Magnitude at End (kips or kips-ft)	Start Position (x/L)	End Position from start (x/L)
807	Post-Tension	Local x	280.00000		0.0000	

LOAD CASE Web08, Member Loads

Member	Type	Direction	Magnitude at Start (kips or kips-ft)	Magnitude at End (kips or kips-ft)	Start Position (x/L)	End Position from start (x/L)
808	Post-Tension	Local x	1,120.00000		0.0000	

LOAD CASE Web10, Member Loads

Member	Type	Direction	Magnitude at Start (kips or kips-ft)	Magnitude at End (kips or kips-ft)	Start Position (x/L)	End Position from start (x/L)
810	Post-Tension	Local x	1,556.00000		0.0000	

LOAD CASE Web11, Member Loads

Member	Type	Direction	Magnitude at Start (kips or kips-ft)	Magnitude at End (kips or kips-ft)	Start Position (x/L)	End Position from start (x/L)
811	Post-Tension	Local x	560.00000		0.0000	

Stage Summary

Stage 1 'Transport Support' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Transport supports

No Construction activity

Support Activity

109	Free	Fixed	Fixed	Fixed	Free	Free
127	Fixed	Fixed	Fixed	Fixed	Free	Free

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

NO Load Activity.

Step 2 : Full self weight

Construct Structure Groups

LowerChord

UpperChord

WebMembers

NO Support Activity.

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

Load Activity

1	Self weight	1
2	Self weight additional	1

Stage 2 '2.1-D1' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress D1

No Construction activity

NO Support Activity.

NO Slave/Master Activity.

Tendon Activity



D1L Stress

D1R Stress

NO Displacement Initialization Activity.

NO Load Activity.

Stage 3 '2.2-C2' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress C2

No Construction activity

NO Support Activity.

NO Slave/Master Activity.

Tendon Activity

C2L Stress

C2R Stress

NO Displacement Initialization Activity.

NO Load Activity.

Stage 4 '2.3.A-W02' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress W02

Construct Structure Groups

WebPTBar02

NO Support Activity.

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

Load Activity

3 Web02 1

Stage 5 '2.3.B-W11' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress W11

Construct Structure Groups



WebPTBar11

NO Support Activity.

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

Load Activity

10 Web11 1

Stage 6 '2.4.A-D2' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress D2

No Construction activity

NO Support Activity.

NO Slave/Master Activity.

Tendon Activity

D2L Stress

D2R Stress

NO Displacement Initialization Activity.

NO Load Activity.

Stage 7 '2.4.B-D3' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress D3

No Construction activity

NO Support Activity.

NO Slave/Master Activity.

Tendon Activity

D3L Stress

D3R Stress

NO Displacement Initialization Activity.

NO Load Activity.

Stage 8 '2.4.C-D4' Day = 28 Temp = 72°F Rel Hum = 80 %



Step 1 : Stress D4

No Construction activity

NO Support Activity.

NO Slave/Master Activity.

Tendon Activity

D4L Stress

D4R Stress

NO Displacement Initialization Activity.

NO Load Activity.

Stage 9 '2.4.D-D5' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress D5

No Construction activity

NO Support Activity.

NO Slave/Master Activity.

Tendon Activity

D5L Stress

D5R Stress

NO Displacement Initialization Activity.

NO Load Activity.

Stage 10 '2.4.E-D6' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress D6

No Construction activity

NO Support Activity.

NO Slave/Master Activity.

Tendon Activity

D6L Stress

D6R Stress

NO Displacement Initialization Activity.

NO Load Activity.



Stage 11 '2.6.A-W03' Day = 28 Temp = 72°F Rel Hum = 80 %**Step 1 : Stress W03****Construct Structure Groups**

WebPTBar03

NO Support Activity.**NO Slave/Master Activity.****NO Tendon Activity.****NO Displacement Initialization Activity.****Load Activity**

4 Web03 1

Stage 12 '2.6.B-W10' Day = 28 Temp = 72°F Rel Hum = 80 %**Step 1 : Stress W10****Construct Structure Groups**

WebPTBar10

NO Support Activity.**NO Slave/Master Activity.****NO Tendon Activity.****NO Displacement Initialization Activity.****Load Activity**

9 Web10 1

Stage 13 '2.7.A-W05' Day = 28 Temp = 72°F Rel Hum = 80 %**Step 1 : Stress W05****Construct Structure Groups**

WebPTBar05

NO Support Activity.**NO Slave/Master Activity.****NO Tendon Activity.**

NO Displacement Initialization Activity.

Load Activity

5 Web05 1

Stage 14 '2.7.B-W08' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress W08

Construct Structure Groups

WebPTBar08

NO Support Activity.

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

Load Activity

8 Web08 1

Stage 15 '2.8.A-W06' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress W06

Construct Structure Groups

WebPTBar06

NO Support Activity.

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

Load Activity

6 Web06 1

Stage 16 '2.8.B-W07' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress W07

Construct Structure Groups

WebPTBar07



NO Support Activity.

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

Load Activity

7 Web07 1

Stage 17 '2.9-C3' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Stress C3

No Construction activity

NO Support Activity.

NO Slave/Master Activity.

Tendon Activity

C3L Stress

C3R Stress

NO Displacement Initialization Activity.

NO Load Activity.

Stage 18 'Final Placement Supports' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Add end supports

No Construction activity

Support Activity

102 Free Fixed Fixed Fixed Free Free

134 Fixed Fixed Fixed Fixed Free Free

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

NO Load Activity.

Stage 19 'Final Placement' Day = 28 Temp = 72°F Rel Hum = 80 %



Step 1 : Remove transport supports

No Construction activity

Support Activity

109 Free Free Free Free Free Free

127 Free Free Free Free Free Free

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

NO Load Activity.

Stage 20 'Remove Web02 PT bars' Day = 28 Temp = 72°F Rel Hum = 80 %**Step 1 : Destress W02**

Deconstruct Structure Groups

WebPTBar02

NO Support Activity.

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

NO Load Activity.

Stage 21 'Remove Web11 PT bars' Day = 28 Temp = 72°F Rel Hum = 80 %**Step 1 : Destress W11**

Deconstruct Structure Groups

WebPTBar11

NO Support Activity.

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

NO Load Activity.

Stage 22 'Restress Web02 PT bars' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Restress W02

Construct Structure Groups

WebPTBar02

NO Support Activity.

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

Load Activity

3 Web02 1

Stage 23 'Restress Web11 PT bars' Day = 28 Temp = 72°F Rel Hum = 80 %

Step 1 : Restress W11

Construct Structure Groups

WebPTBar11

NO Support Activity.

NO Slave/Master Activity.

NO Tendon Activity.

NO Displacement Initialization Activity.

Load Activity

10 Web11 1



8/1/2018

03_main_beam_ptbars_new.lar

LAR6A

LARSA 4D Data File in ASCII Format

Created in LARSA 4D version 8.0r8000 on 8/1/2018 1:33:37 PM

BEGIN INTRO

Project Information:

4 Records

LARSAVersion=8.0.8000

title=

author=cburgess

comments=

END INTRO

BEGIN ANALYSIS

Analysis Parameters

63 Records

analysis=31

solver=AUTOMATIC

instability=False

keepPrevious=False

showDetails=False

allowCaching=True

resultsForConstructedOnly=True

stageStart=1

stageEnd=23

convergenceMaxIter=10

convergenceDispTol=0.01

convergenceForceTol=1

modalNumShapes=1

dampingAlpha=0

dampingBeta=0

newmarkAlpha=0.5

newmarkDelta=0.25

loadCaseSolve=True

combCaseSolve=True

eigenvalueCase=1

eigenvalueComb=0

loadingIncrement=10

csCreep=True

csShrinkage=True

csModulusTime=True

csCode=CEBFIP90

csHumidity=80

creepBeamTensileAxialForce=True

steelRelaxation=True

lossesCreepShrinkage=True

8/1/2018

03_main_beam_ptbars_new.lar

```
analysisRelaxationLaw=
incremental=False
combinationCaseStart=0
combinationCaseEnd=0
universalRestrains=000000
pushoverMinimumIncrement=0.0001
pushoverMaximumIncrement=1
pushoverInitialIncrement=1
pushoverStoppingJoint=0
pushoverStoppingDOF=0
pushoverStoppingDisplacement=1
pushoverArcLength=True
pushoverAutoIncrement=True
timeHistoryExcitationOption=0
timeHistoryUniformBaseCurveX=0
timeHistoryUniformBaseCurveY=0
timeHistoryUniformBaseCurveZ=0
timeHistoryNewtonRaphson=0
timeHistoryIntegrationMethod=0
timeHistoryInitialSize=1
timeHistoryMinSize=0.0001
timeHistoryMaxSize=1
timeHistoryEndingTime=1
analysisGeometricNonlinearity=True
timestepResolution=1
includeTorsionalMass=False
outputLocation=1
activeUCS=0
applySectionOffsetsInGlobal=-1
analysisLoadClassBased=True
analysisStageApplyAllCasesAtOnce=True
analysisCableCompressiveStrength=0
analysisPostTensionLoadTolerance=0.005
END ANALYSIS
```

```
BEGIN UNITS
```

```
The following are the units used for this project:
```

```
18 Records
```

```
material:length=ft
```

```
material:force=kip
```

```
material:temperature=F
```

```
load:length=ft
```

```
load:force=kip
```

```
load:temperature=F
```

```
spring:length=ft
```

```
spring:force=kip
```


03_main_beam_ptbars_new.lar

8/1/2018

```

mass elements:length=ft
mass elements:force=kip
section:length=ft
coordinate:length=ft
displacement:length=ft
displacement:angle=rad
force:length=ft
force:force=kip
stress:length=ft
stress:force=kip
END UNITS

```

```

BEGIN CREEP & SHRINKAGE

```

```

FORMAT: NUMBER, NAME, NOTIONAL THICKNESS, CREEP ENVIRONMENT, CREEP NOTIONAL, SHRINKAGE ENVIRONMENT,
SHRINKAGE NOTIONAL, DELAYED MODULUS OF ELASTICITY, POINT COUNT

```

```

3 Records

```

```

1, "TimeConcrete", 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, .3, 350, 0, 0
"Beta S", 0
"Beta F", 0
"Beta D", 0
"Time VS Modulus of Elasticity", 0
"Ultimate Relaxation VS Tendon Stress", 5
    .6, .01
    .65, .0141
    .7, .019
    .75, .0307
    .8, .0475
"Time VS Ultimate Relaxation", 35
    0, 0
    1, .269153480392692
    5, .365430086591584
    10, .416869383470335
    20, .475549466919399
    50, .565984191163673
    100, .645654229034656
    200, .736538917479736
    500, .876605721316035
    1000, 1
    1200, 1.03524808721932
    1440, 1.07173860209126
    1680, 1.10359255887836
    1920, 1.1319499730068
    2160, 1.15756720077984
    2400, 1.18097345482199
    4800, 1.3472116666647
    7200, 1.45510111775017

```

03_main_beam_ptbars_new.lar

8/1/2018

```

9600,1.53685018692572
12000,1.60340944218264
14400,1.65992655804898
16800,1.70926249569895
19200,1.75318292997047
21600,1.79285931807582
24000,1.82911131332279
48000,2.08658381852308
72000,2.25368479336959
96000,2.38029911028931
120000,2.48338719097367
144000,2.57092183928046
168000,2.64733415942236
192000,2.71535885793194
216000,2.77681030720792
240000,2.83295799991517
480000,3.23173569488241
2, "TimePTStrand",0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,1,.3,350,0,0
"Beta S",0
"Beta F",0
"Beta D",0
"Time VS Modulus of Elasticity",0
"Ultimate Relaxation VS Tendon Stress",31
.5,0
.51,.0001
.52,.0003
.53,.0006
.54,.0011
.55,.0017
.56,.0024
.57,.0033
.58,.0043
.59,.0054
.6,.0067
.61,.0081
.62,.0096
.63,.0113
.64,.0131
.65,.015
.66,.0171
.67,.0193
.68,.0216
.69,.0241
.7,.0267
.71,.0294
.72,.0323

```


03_main_beam_ptbars_new.lar

8/1/2018

```

.73,.0353
.74,.0384
.75,.0417
.76,.0451
.77,.0486
.78,.0523
.79,.0561
.8,.06
"Time VS Ultimate Relaxation",14
0,0
1,.01
528,.297
1000,.42
1728,.466
11328,.664
23328,.76
47328,.869
95328,.991
100000,1
119328,1
240000,1
876000,1
1752000,1
3,"TimePTBar",0,0,0,0,0,0,0,0,0,0,0,0,0,0,1,1,1,.3,350,0,0
"Beta S",0
"Beta F",0
"Beta D",0
"Time VS Modulus of Elasticity",0
"Ultimate Relaxation VS Tendon Stress",31
.5,0
.51,.0001
.52,.0003
.53,.0006
.54,.0011
.55,.0017
.56,.0024
.57,.0033
.58,.0043
.59,.0054
.6,.0067
.61,.0081
.62,.0096
.63,.0113
.64,.0131
.65,.015
.66,.0171

```

03_main_beam_ptbars_new.lar

8/1/2018

.67,.0193
 .68,.0216
 .69,.0241
 .7,.0267
 .71,.0294
 .72,.0323
 .73,.0353
 .74,.0384
 .75,.0417
 .76,.0451
 .77,.0486
 .78,.0523
 .79,.0561
 .8,.06

"Time VS Ultimate Relaxation",14

0,0
 1,.01
 528,.297
 1000,.42
 1728,.466
 11328,.664
 23328,.76
 47328,.869
 95328,.991
 100000,1
 119328,1
 240000,1
 876000,1
 1752000,1

END CREEP & SHRINKAGE

BEGIN MATERIALS

FORMAT: NUMBER, NAME, MODULUS OF ELASTICITY, SHEAR MODULUS, UNIT WEIGHT, COEFFICIENT OF THERMAL EXPANSION,
 YIELD STRESS

13 Records

6,"PTStrand",4104000,1641600,0,0,34992,38880,0,38880,0,.02,0,0,2,0
 12,"PTBar",4176000,1670400,0,0,17280,21600,0,21600,0,.02,0,0,3,0
 13,"PTBarNoTime",4176000,1670400,0,0,17280,21600,0,21600,0,.02,0,0,0,0
 1,"LowerChord",756740,315308.3333333333,.15,6,734.4,1224,0,0,3,.02,0,0,1,0
 2,"UpperChord",756740,315308.3333333333,.15,6,734.4,1224,0,0,3,.02,0,0,1,0
 3,"Web3.000",756740,315308.3333333333,.15,6,734.4,1224,0,0,3,.02,0,0,1,0
 4,"Web2.875",756740,315308.3333333333,.15,6,734.4,1224,0,0,3,.02,0,0,1,0
 5,"Web2.000",756740,315308.3333333333,.15,6,734.4,1224,0,0,3,.02,0,0,1,0
 7,"LowerChordRigid",75674000,31530833.33333333,.15,0,0,0,0,0,0,.02,0,0,0,0
 8,"UpperChordRigid",75674000,31530833.33333333,.15,0,0,0,0,0,0,.02,0,0,0,0
 9,"Web3.000Rigid",75674000,31530833.33333333,.15,0,0,0,0,0,0,.02,0,0,0,0

03_main_beam_ptbars_new.lar

8/1/2018

10, "Web2.875Rigid", 75674000, 31530833.3333333, .15, 0, 0, 0, 0, 0, 0, .02, 0, 0, 0, 0
 11, "Web2.000Rigid", 75674000, 31530833.3333333, .15, 0, 0, 0, 0, 0, 0, .02, 0, 0, 0, 0

END MATERIALS

BEGIN SECTIONS

FORMAT: NUMBER, NAME, EXTRA WEIGHT, AREA X, AREA Y, AREA Z, INERTIA X, INERTIA Y, INERTIA Z, STRESS POINT
 1(X, Y, Z), STRESS POINT 2(X, Y, Z), STRESS POINT 3(X, Y, Z), STRESS POINT 4(X, Y, Z), PLASTIC MODULUS(
 X, Y, Z), PERIMETER, SHAPE, SHAPE PARAMETERS (if applicable)

15 Records

1, "LowerChord", 45.203, 45.203, 0, 0, 30.699, 11.999, 2972.2, 0, 0, 0, 0, 6, 0, 15.8333, .9204, 0, 15.8333, -1.4025, 0,
 0, 0, 0, 0, 0, 0, -1

2, "UpperChord", 16.435, 16.435, 0, 0, 5.78, 2.682, 351.75, 0, 0, 0, 0, 6, 0, 8, 1.0118, 0, 8, -1.1236, 0, -8, -1.1236, 0,
 0, 0, 0, 0, 0, 0, -1

3, "Web3.000", 5.25, 5.25, 0, 0, 3.407, 3.938, 1.34, 0, 0, 0, 0, 6, 0, .875, 1.5, 0, .875, -1.5, 0, -.875, -1.5, 0, -.875, 1,
 0, 0, 0, 0, 0, 0, -1

14, "Web3.000Cr", 5.25, 5.25, 0, 0, 3.407, 1.575, .536, 0, 0, 0, 0, 6, 0, .875, 1.5, 0, .875, -1.5, 0, -.875, -1.5, 0, -.87,
 0, 0, 0, 0, 0, 0, -1

4, "Web2.875", 5.031, 5.031, 0, 0, 3.188, 3.466, 1.284, 0, 0, 0, 0, 6, 0, .875, 1.4375, 0, .875, -1.4375, 0, -.875, -1.43,
 0, 0, 0, 0, 0, 0, -1

15, "Web2.875Cr", 5.031, 5.031, 0, 0, 3.188, 1.386, .514, 0, 0, 0, 0, 6, 0, .875, 1.4375, 0, .875, -1.4375, 0, -.875, -1,
 0, 0, 0, 0, 0, 0, -1

5, "Web2.000", 3.5, 3.5, 0, 0, 1.708, 1.167, .893, 0, 0, 0, 0, 6, 0, .875, 1, 0, .875, -1, 0, -.875, -1, 0, -.875, 1, 0, 0, 1, 0,
 0, 0, 0, 0, 0, 0, -1

6, "PTBarWeb02", .036388, .036388, 0, 0, .000044, .000022, .000022, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 50, 0, -1
 0, 0, 0, 0, 0, 0, -1

13, "PTBarWeb03", .072776, .072776, 0, 0, .000044, .000022, .000022, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 50, 0, -1
 0, 0, 0, 0, 0, 0, -1

12, "PTBarWeb05", .021944, .021944, 0, 0, .000044, .000022, .000022, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 50, 0, -1
 0, 0, 0, 0, 0, 0, -1

11, "PTBarWeb06", .036388, .036388, 0, 0, .000044, .000022, .000022, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 50, 0, -1
 0, 0, 0, 0, 0, 0, -1

10, "PTBarWeb07", .018194, .018194, 0, 0, .000044, .000022, .000022, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 50, 0, -1
 0, 0, 0, 0, 0, 0, -1

9, "PTBarWeb08", .072776, .072776, 0, 0, .000044, .000022, .000022, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 50, 0, -1
 0, 0, 0, 0, 0, 0, -1

8, "PTBarWeb10", .144444, .144444, 0, 0, .000044, .000022, .000022, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 50, 0, -1
 0, 0, 0, 0, 0, 0, -1

7, "PTBarWeb11", .036388, .036388, 0, 0, .000044, .000022, .000022, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 50, 0, -1
 0, 0, 0, 0, 0, 0, -1

03_main_beam_ptbars_new.lar

8/1/2018

END SECTIONS

BEGIN JOINTS

FORMAT: NUMBER, X, Y, Z, CONSTRAINT (TRANS:XYZ,ROT:XYZ 0/1), DISPLACEMENT COORD SYSTEM

132 Records

```
101,0,0,1.402,"000000",0,0,0
102,1.5,0,1.402,"000000",0,0,0
103,2.792,0,1.402,"000000",0,0,0
104,7.916,0,1.402,"000000",0,0,0
105,14.135,0,1.402,"000000",0,0,0
106,20.354,0,1.402,"000000",0,0,0
107,26.573,0,1.402,"000000",0,0,0
108,32.792,0,1.402,"000000",0,0,0
109,33.645,0,1.402,"000000",0,0,0
110,37.182,0,1.402,"000000",0,0,0
111,44.025,0,1.402,"000000",0,0,0
112,50.869,0,1.402,"000000",0,0,0
113,57.713,0,1.402,"000000",0,0,0
114,64.556,0,1.402,"000000",0,0,0
115,65.557,0,1.402,"000000",0,0,0
116,68.645,0,1.402,"000000",0,0,0
117,75.913,0,1.402,"000000",0,0,0
118,83.182,0,1.402,"000000",0,0,0
119,90.451,0,1.402,"000000",0,0,0
120,97.72,0,1.402,"000000",0,0,0
121,99.049,0,1.402,"000000",0,0,0
122,101.561,0,1.402,"000000",0,0,0
123,109.431,0,1.402,"000000",0,0,0
124,117.3,0,1.402,"000000",0,0,0
125,125.169,0,1.402,"000000",0,0,0
126,133.039,0,1.402,"000000",0,0,0
127,135.017,0,1.402,"000000",0,0,0
128,136.795,0,1.402,"000000",0,0,0
129,145.061,0,1.402,"000000",0,0,0
130,153.327,0,1.402,"000000",0,0,0
131,161.592,0,1.402,"000000",0,0,0
132,169.858,0,1.402,"000000",0,0,0
133,172.761,0,1.402,"000000",0,0,0
134,173.562,0,1.402,"000000",0,0,0
135,175,0,1.402,"000000",0,0,0
201,0,0,17.217,"000000",0,0,0
202,1.5,0,17.217,"000000",0,0,0
203,3,0,17.217,"000000",0,0,0
204,10.79,0,17.217,"000000",0,0,0
205,18.58,0,17.217,"000000",0,0,0
206,26.369,0,17.217,"000000",0,0,0
```


03_main_beam_ptbars_new.lar

8/1/2018

207,34.159,0,17.217,"000000",0,0,0
208,38.338,0,17.217,"000000",0,0,0
209,39.316,0,17.217,"000000",0,0,0
210,45.197,0,17.217,"000000",0,0,0
211,51.077,0,17.217,"000000",0,0,0
212,56.958,0,17.217,"000000",0,0,0
213,62.839,0,17.217,"000000",0,0,0
214,65.527,0,17.217,"000000",0,0,0
215,66.528,0,17.217,"000000",0,0,0
216,72.496,0,17.217,"000000",0,0,0
217,78.464,0,17.217,"000000",0,0,0
218,84.432,0,17.217,"000000",0,0,0
219,90.4,0,17.217,"000000",0,0,0
220,92.764,0,17.217,"000000",0,0,0
221,93.926,0,17.217,"000000",0,0,0
222,99.976,0,17.217,"000000",0,0,0
223,106.026,0,17.217,"000000",0,0,0
224,112.076,0,17.217,"000000",0,0,0
225,118.126,0,17.217,"000000",0,0,0
226,120.078,0,17.217,"000000",0,0,0
227,121.659,0,17.217,"000000",0,0,0
228,127.76,0,17.217,"000000",0,0,0
229,133.861,0,17.217,"000000",0,0,0
230,139.962,0,17.217,"000000",0,0,0
231,146.063,0,17.217,"000000",0,0,0
232,147.509,0,17.217,"000000",0,0,0
233,149.74,0,17.217,"000000",0,0,0
234,155.336,0,17.217,"000000",0,0,0
235,160.932,0,17.217,"000000",0,0,0
236,166.529,0,17.217,"000000",0,0,0
237,172.125,0,17.217,"000000",0,0,0
238,173.562,0,17.217,"000000",0,0,0
239,175,0,17.217,"000000",0,0,0
10101,1.5,0,2.589,"000000",0,0,0
10102,1.5,0,6.246,"000000",0,0,0
10103,1.5,0,9.903,"000000",0,0,0
10104,1.5,0,13.56,"000000",0,0,0
10201,5.458,0,2.589,"000000",0,0,0
10202,12.935,0,5.915,"000000",0,0,0
10203,20.412,0,9.242,"000000",0,0,0
10204,27.89,0,12.569,"000000",0,0,0
10205,35.367,0,15.896,"000000",0,0,0
10301,34.024,0,2.679,"000000",0,0,0
10302,35.005,0,5.983,"000000",0,0,0
10303,35.985,0,9.287,"000000",0,0,0
10304,36.965,0,12.592,"000000",0,0,0

03_main_beam_ptbars_new.lar

8/1/2018

10305,37.945,0,15.896,"000000",0,0,0
10401,36.219,0,2.679,"000000",0,0,0
10402,43.086,0,6.085,"000000",0,0,0
10403,49.952,0,9.491,"000000",0,0,0
10404,56.818,0,12.897,"000000",0,0,0
10405,63.685,0,16.303,"000000",0,0,0
10501,65.555,0,2.589,"000000",0,0,0
10502,65.549,0,6.018,"000000",0,0,0
10503,65.542,0,9.446,"000000",0,0,0
10504,65.535,0,12.875,"000000",0,0,0
10505,65.529,0,16.303,"000000",0,0,0
10601,67.599,0,2.589,"000000",0,0,0
10602,73.532,0,6.038,"000000",0,0,0
10603,79.465,0,9.487,"000000",0,0,0
10604,85.398,0,12.936,"000000",0,0,0
10605,91.331,0,16.385,"000000",0,0,0
10701,98.607,0,2.515,"000000",0,0,0
10702,97.229,0,5.982,"000000",0,0,0
10703,95.851,0,9.45,"000000",0,0,0
10704,94.473,0,12.917,"000000",0,0,0
10705,93.094,0,16.385,"000000",0,0,0
10801,100.528,0,2.515,"000000",0,0,0
10802,105.157,0,5.996,"000000",0,0,0
10803,109.787,0,9.478,"000000",0,0,0
10804,114.416,0,12.959,"000000",0,0,0
10805,119.045,0,16.44,"000000",0,0,0
10901,133.994,0,2.485,"000000",0,0,0
10902,130.699,0,5.974,"000000",0,0,0
10903,127.403,0,9.463,"000000",0,0,0
10904,124.108,0,12.952,"000000",0,0,0
10905,120.812,0,16.44,"000000",0,0,0
11001,135.872,0,2.485,"000000",0,0,0
11002,138.629,0,5.976,"000000",0,0,0
11003,141.386,0,9.466,"000000",0,0,0
11004,144.143,0,12.957,"000000",0,0,0
11005,146.9,0,16.447,"000000",0,0,0
11101,170.992,0,2.51,"000000",0,0,0
11102,165.428,0,5.995,"000000",0,0,0
11103,159.865,0,9.479,"000000",0,0,0
11104,154.302,0,12.963,"000000",0,0,0
11105,148.739,0,16.447,"000000",0,0,0
11201,173.562,0,2.51,"000000",0,0,0
11202,173.562,0,6.187,"000000",0,0,0
11203,173.562,0,9.864,"000000",0,0,0
11204,173.562,0,13.541,"000000",0,0,0

END JOINTS

03_main_beam_ptbars_new.lar

8/1/2018

10305,1,5,5,5,10304,10305,0,0,0,0,0,0,0,0,0,0
10306,1,5,5,5,10305,208,0,0,0,0,0,0,0,0,0,0
10401,1,5,5,5,109,10401,0,0,0,0,0,0,0,0,0,0
10402,1,5,5,5,10401,10402,0,0,0,0,0,0,0,0,0,0
10403,1,5,5,5,10402,10403,0,0,0,0,0,0,0,0,0,0
10404,1,5,5,5,10403,10404,0,0,0,0,0,0,0,0,0,0
10405,1,5,5,5,10404,10405,0,0,0,0,0,0,0,0,0,0
10406,1,5,5,5,10405,214,0,0,0,0,0,0,0,0,0,0
10501,1,5,5,5,115,10501,0,0,0,0,0,0,0,0,0,0
10502,1,5,5,5,10501,10502,0,0,0,0,0,0,0,0,0,0
10503,1,5,5,5,10502,10503,0,0,0,0,0,0,0,0,0,0
10504,1,5,5,5,10503,10504,0,0,0,0,0,0,0,0,0,0
10505,1,5,5,5,10504,10505,0,0,0,0,0,0,0,0,0,0
10506,1,5,5,5,10505,214,0,0,0,0,0,0,0,0,0,0
10601,1,5,5,5,115,10601,0,0,0,0,0,0,0,0,0,0
10602,1,5,5,5,10601,10602,0,0,0,0,0,0,0,0,0,0
10603,1,5,5,5,10602,10603,0,0,0,0,0,0,0,0,0,0
10604,1,5,5,5,10603,10604,0,0,0,0,0,0,0,0,0,0
10605,1,5,5,5,10604,10605,0,0,0,0,0,0,0,0,0,0
10606,1,5,5,5,10605,220,0,0,0,0,0,0,0,0,0,0
10701,1,5,5,5,121,10701,0,0,0,0,0,0,0,0,0,0
10702,1,5,5,5,10701,10702,0,0,0,0,0,0,0,0,0,0
10703,1,5,5,5,10702,10703,0,0,0,0,0,0,0,0,0,0
10704,1,5,5,5,10703,10704,0,0,0,0,0,0,0,0,0,0
10705,1,5,5,5,10704,10705,0,0,0,0,0,0,0,0,0,0
10706,1,5,5,5,10705,220,0,0,0,0,0,0,0,0,0,0
10801,1,5,5,5,121,10801,0,0,0,0,0,0,0,0,0,0
10802,1,5,5,5,10801,10802,0,0,0,0,0,0,0,0,0,0
10803,1,5,5,5,10802,10803,0,0,0,0,0,0,0,0,0,0
10804,1,5,5,5,10803,10804,0,0,0,0,0,0,0,0,0,0
10805,1,5,5,5,10804,10805,0,0,0,0,0,0,0,0,0,0
10806,1,5,5,5,10805,226,0,0,0,0,0,0,0,0,0,0
10901,1,5,5,5,127,10901,0,0,0,0,0,0,0,0,0,0
10902,1,5,5,5,10901,10902,0,0,0,0,0,0,0,0,0,0
10903,1,5,5,5,10902,10903,0,0,0,0,0,0,0,0,0,0
10904,1,5,5,5,10903,10904,0,0,0,0,0,0,0,0,0,0
10905,1,5,5,5,10904,10905,0,0,0,0,0,0,0,0,0,0
10906,1,5,5,5,10905,226,0,0,0,0,0,0,0,0,0,0
11001,1,5,5,5,127,11001,0,0,0,0,0,0,0,0,0,0
11002,1,5,5,5,11001,11002,0,0,0,0,0,0,0,0,0,0
11003,1,5,5,5,11002,11003,0,0,0,0,0,0,0,0,0,0
11004,1,5,5,5,11003,11004,0,0,0,0,0,0,0,0,0,0
11005,1,5,5,5,11004,11005,0,0,0,0,0,0,0,0,0,0
11006,1,5,5,5,11005,232,0,0,0,0,0,0,0,0,0,0
11101,1,5,5,11,133,11101,0,0,0,0,0,0,0,0,0,0
11102,1,5,5,5,11101,11102,0,0,0,0,0,0,0,0,0,0

03_main_beam_ptbars_new.lar

8/1/2018

```

11103,1,5,5,5,11102,11103,0,0,0,0,0,0,0,0,0,0
11104,1,5,5,5,11103,11104,0,0,0,0,0,0,0,0,0,0
11105,1,5,5,5,11104,11105,0,0,0,0,0,0,0,0,0,0
11106,1,5,5,5,11105,232,0,0,0,0,0,0,0,0,0,0
11201,1,15,15,10,134,11201,0,0,0,0,0,0,0,0,0,0
11202,1,15,15,4,11201,11202,0,0,0,0,0,0,0,0,0,0
11203,1,15,15,4,11202,11203,0,0,0,0,0,0,0,0,0,0
11204,1,15,15,4,11203,11204,0,0,0,0,0,0,0,0,0,0
11205,1,15,15,4,11204,238,0,0,0,0,0,0,0,0,0,0
802,3,6,6,13,103,208,0,0,0,0,0,0,0,0,0,0
803,3,13,13,13,109,208,0,0,0,0,0,0,0,0,0,0
805,3,12,12,13,115,214,0,0,0,0,0,0,0,0,0,0
806,3,11,11,13,115,220,0,0,0,0,0,0,0,0,0,0
807,3,10,10,13,121,220,0,0,0,0,0,0,0,0,0,0
808,3,9,9,13,121,226,0,0,0,0,0,0,0,0,0,0
810,3,8,8,13,127,232,0,0,0,0,0,0,0,0,0,0
811,3,7,7,13,133,232,0,0,0,0,0,0,0,0,0,0

```

END MEMBERS

BEGIN TENDONS

FORMAT: ????????

24 Records

```

1, "C2L", " (none)", 12, .001507, 0, 531, 0, 0, .03125, .0002, .23, 6, .8, .8, 0, 6
0, 201, -1, 0, .6667, 2.4167, -.7649, 0, 1, 2, 2, 0, 0, 0
0, 202, 203, 1, 0, 0, 0, 0, 1, 1, 2, 0, 0, 0
0, 204, -1, 0, .2102, 2.4167, -.7649, 0, 1, 2, 1, 30, 0, 0
0, 205, -1, 0, 2.4205, 3.5833, -.9084, 0, 1, 2, 1, 30, 0, 0
0, 206, 237, 1, 0, 0, 0, 0, 1, 1, 2, 0, 0, 0
0, 238, -1, 0, .4375, 3.5833, -.9084, 0, 1, 2, 2, 0, 0, 0
2, "C2R", " (none)", 12, .001507, 0, 531, 0, 0, .03125, .0002, .23, 6, .8, .8, 0, 6
0, 201, -1, 0, .6667, -2.4167, -.7649, 0, 1, 2, 2, 0, 0, 0
0, 202, 203, 1, 0, 0, 0, 0, 1, 1, 2, 0, 0, 0
0, 204, -1, 0, .2102, -2.4167, -.7649, 0, 1, 2, 1, 30, 0, 0
0, 205, -1, 0, 2.4205, -3.5833, -.9084, 0, 1, 2, 1, 30, 0, 0
0, 206, 237, 1, 0, 0, 0, 0, 1, 1, 2, 0, 0, 0
0, 238, -1, 0, .4375, -3.5833, -.9084, 0, 1, 2, 2, 0, 0, 0
3, "C3L", " (none)", 12, .001507, 0, 534, 0, 0, .03125, .0002, .23, 6, .8, .8, 0, 6
0, 201, -1, 0, .6667, 3.6667, -.9208, 0, 1, 2, 2, 0, 0, 0
0, 202, 203, 1, 0, 0, 0, 0, 1, 1, 2, 0, 0, 0
0, 204, -1, 0, .2102, 3.6667, -.9208, 0, 1, 2, 1, 30, 0, 0
0, 205, -1, 0, 2.4205, 4.8333, -1.1257, 0, 1, 2, 1, 30, 0, 0
0, 206, 237, 1, 0, 0, 0, 0, 1, 1, 2, 0, 0, 0
0, 238, -1, 0, .4375, 4.8333, -1.1257, 0, 1, 2, 2, 0, 0, 0
4, "C3R", " (none)", 12, .001507, 0, 534, 0, 0, .03125, .0002, .23, 6, .8, .8, 0, 6
0, 201, -1, 0, .6667, -3.6667, -.9208, 0, 1, 2, 2, 0, 0, 0
0, 202, 203, 1, 0, 0, 0, 0, 1, 1, 2, 0, 0, 0

```


03_main_beam_ptbars_new.lar

8/1/2018

```

0,204,-1,0,.2102,-3.6667,-.9208,0,1,2,1,30,0,0
0,205,-1,0,2.4205,-4.8333,-1.1257,0,1,2,1,30,0,0
0,206,237,1,0,0,0,0,1,1,2,0,0,0
0,238,-1,0,.4375,-4.8333,-1.1257,0,1,2,2,0,0,0
5,"D1L","(none)",12,.001507,0,527,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,1.8333,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,1.8333,-.9596,0,1,2,2,0,0,0
6,"D1R","(none)",12,.001507,0,527,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,-1.8333,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,-1.8333,-.9596,0,1,2,2,0,0,0
7,"D2L","(none)",19,.001507,0,835,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,3.1667,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,3.1667,-.9596,0,1,2,2,0,0,0
8,"D2R","(none)",19,.001507,0,835,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,-3.1667,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,-3.1667,-.9596,0,1,2,2,0,0,0
9,"D3L","(none)",19,.001507,0,835,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,4.6667,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,4.6667,-.9596,0,1,2,2,0,0,0
10,"D3R","(none)",19,.001507,0,835,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,-4.6667,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,-4.6667,-.9596,0,1,2,2,0,0,0
11,"D4L","(none)",19,.001507,0,835,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,6.1667,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,6.1667,-.9596,0,1,2,2,0,0,0
12,"D4R","(none)",19,.001507,0,835,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,-6.1667,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,-6.1667,-.9596,0,1,2,2,0,0,0
13,"D5L","(none)",19,.001507,0,835,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,7.6667,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,7.6667,-.9596,0,1,2,2,0,0,0
14,"D5R","(none)",19,.001507,0,835,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,-7.6667,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,-7.6667,-.9596,0,1,2,2,0,0,0
15,"D6L","(none)",19,.001507,0,835,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,9.1667,-.9596,0,1,2,2,0,0,0

```

03_main_beam_ptbars_new.lar

8/1/2018

```

0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,9.1667,-.9596,0,1,2,2,0,0,0
16,"D6R","(none)",19,.001507,0,835,0,0,.03125,.0002,.23,6,.8,.8,0,3
0,101,-1,0,.75,-9.1667,-.9596,0,1,2,2,0,0,0
0,102,133,1,0,0,0,0,1,1,2,0,0,0
0,134,-1,0,.4375,-9.1667,-.9596,0,1,2,2,0,0,0
17,"BarWeb02","(none)",2,.018194,0,0,560,1,0,0,0,12,.7,.7,0,3
0,10201,-1,0,0,0,0,0,1,1,2,0,0,0
0,10202,10205,1,0,0,0,0,1,1,2,0,0,0
0,10206,-1,0,0,0,0,1,1,1,2,0,0,0
18,"BarWeb03","(none)",4,.018194,0,0,1120,1,0,0,0,12,.7,.7,0,3
0,10301,-1,0,0,0,0,0,1,1,2,0,0,0
0,10302,10305,1,0,0,0,0,1,1,2,0,0,0
0,10306,-1,0,0,0,0,1,1,1,2,0,0,0
19,"BarWeb05","(none)",2,.010972,0,0,332,1,0,0,0,12,.7,.7,0,3
0,10501,-1,0,0,0,0,0,1,1,2,0,0,0
0,10502,10505,1,0,0,0,0,1,1,2,0,0,0
0,10506,-1,0,0,0,0,1,1,1,2,0,0,0
20,"BarWeb06","(none)",2,.018194,0,0,560,1,0,0,0,12,.7,.7,0,3
0,10601,-1,0,0,0,0,0,1,1,2,0,0,0
0,10602,10605,1,0,0,0,0,1,1,2,0,0,0
0,10606,-1,0,0,0,0,1,1,1,2,0,0,0
21,"BarWeb07","(none)",1,.018194,0,0,280,1,0,0,0,12,.7,.7,0,3
0,10701,-1,0,0,0,0,0,1,1,2,0,0,0
0,10702,10705,1,0,0,0,0,1,1,2,0,0,0
0,10706,-1,0,0,0,0,1,1,1,2,0,0,0
22,"BarWeb08","(none)",4,.018194,0,0,1120,1,0,0,0,12,.7,.7,0,3
0,10801,-1,0,0,0,0,0,1,1,2,0,0,0
0,10802,10805,1,0,0,0,0,1,1,2,0,0,0
0,10806,-1,0,0,0,0,1,1,1,2,0,0,0
23,"BarWeb10","(none)",4,.036111,0,0,1556,1,0,0,0,12,.7,.7,0,3
0,11001,-1,0,0,0,0,0,1,1,2,0,0,0
0,11002,11005,1,0,0,0,0,1,1,2,0,0,0
0,11006,-1,0,0,0,0,1,1,1,2,0,0,0
24,"BarWeb11","(none)",2,.018194,0,0,560,1,0,0,0,12,.7,.7,0,3
0,11101,-1,0,0,0,0,0,1,1,2,0,0,0
0,11102,11105,1,0,0,0,0,1,1,2,0,0,0
0,11106,-1,0,0,0,0,1,1,1,2,0,0,0

```

END TENDONS

BEGIN GEO-GROUPS

FORMAT: NUMBER, NAME / OBJECT COUNT / OBJECT LIST

12 Records

```

1,"LowerChord",0,#FALSE#,-1
0
34

```


03_main_beam_ptbars_new.lar

8/1/2018

```

                101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120
                121,122,123,124,125,126,127,128,129,130,131,132,133,134
0
0
0
2, "UpperChord", 0, #FALSE#, -1
0
38
                201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220
                221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238
0
0
0
3, "WebMembers", 0, #FALSE#, -1
0
70
                10101,10102,10103,10104,10105,10201,10202,10203,10204,10205,10206,10301,10302,10303
                10404,10405,10406,10501,10502,10503,10504,10505,10506,10601,10602,10603,10604,10605
                10706,10801,10802,10803,10804,10805,10806,10901,10902,10903,10904,10905,10906,11001
                11102,11103,11104,11105,11106,11201,11202,11203,11204,11205
0
0
0
4, "WebPTBar02", 0, #FALSE#, -1
0
1
                802
0
0
0
11, "WebPTBar03", 0, #FALSE#, -1
0
1
                803
0
0
0
10, "WebPTBar05", 0, #FALSE#, -1
0
1
                805
0
0

```

8/1/2018

03_main_beam_ptbars_new.lar

```

0
9, "WebPTBar06", 0, #FALSE#, -1
0
1
806
0
0
0
8, "WebPTBar07", 0, #FALSE#, -1
0
1
807
0
0
0
7, "WebPTBar08", 0, #FALSE#, -1
0
1
808
0
0
0
6, "WebPTBar10", 0, #FALSE#, -1
0
1
810
0
0
0
5, "WebPTBar11", 0, #FALSE#, -1
0
1
811
0
0
0
12, "AllWebBars", 0, #FALSE#, -1
0
8
802, 803, 805, 806, 807, 808, 810, 811
0
0
0

```

END GEO-GROUPS

BEGIN PRIMARY LOAD CASES

8/1/2018

03_main_beam_ptbars_new.lar

FORMAT: CASEID, NAME, TYPE, STATUS, SCALE, WEIGHTFACTORX, WEIGHTFACTORY, WEIGHTFACTORZ

10 Records

1,"Self weight",0,1,1,0,0,0,-1
 BEGIN NEXT PRIMARY LOAD CASE

2,"Self weight additional",0,1,1,0,0,0,0
 BEGIN JOINT LOADS

FORMAT: JOINTID, FX, FY, FZ, MX, MY, MZ

5 Records

208,0,0,-6.7,0,0,0
 214,0,0,-6.7,0,0,0
 220,0,0,-6.7,0,0,0
 226,0,0,-6.7,0,0,0
 232,0,0,-6.7,0,0,0

END JOINT LOADS

BEGIN MEMBER LOADS

FORMAT: ????????????

34 Records

101,5,1,0,-.146,0,-.146
 102,5,1,0,-.146,0,-.146
 103,5,1,0,-.146,0,-.146
 104,5,1,0,-.146,0,-.146
 105,5,1,0,-.146,0,-.146
 106,5,1,0,-.146,0,-.146
 107,5,1,0,-.146,0,-.146
 108,5,1,0,-.146,0,-.146
 109,5,1,0,-.146,0,-.146
 110,5,1,0,-.146,0,-.146
 111,5,1,0,-.146,0,-.146
 112,5,1,0,-.146,0,-.146
 113,5,1,0,-.146,0,-.146
 114,5,1,0,-.146,0,-.146
 115,5,1,0,-.146,0,-.146
 116,5,1,0,-.146,0,-.146
 117,5,1,0,-.146,0,-.146
 118,5,1,0,-.146,0,-.146
 119,5,1,0,-.146,0,-.146
 120,5,1,0,-.146,0,-.146
 121,5,1,0,-.146,0,-.146
 122,5,1,0,-.146,0,-.146
 123,5,1,0,-.146,0,-.146
 124,5,1,0,-.146,0,-.146
 125,5,1,0,-.146,0,-.146
 126,5,1,0,-.146,0,-.146
 127,5,1,0,-.146,0,-.146

8/1/2018

03_main_beam_ptbars_new.lar

```
128,5,1,0,-.146,0,-.146
129,5,1,0,-.146,0,-.146
130,5,1,0,-.146,0,-.146
131,5,1,0,-.146,0,-.146
132,5,1,0,-.146,0,-.146
133,5,1,0,-.146,0,-.146
134,5,1,0,-.146,0,-.146
END MEMBER LOADS
```

```
BEGIN NEXT PRIMARY LOAD CASE
```

```
3,"Web02",0,40,1,0,0,0,0
BEGIN MEMBER LOADS
FORMAT: ???????????
1 Records
      802,0,8,0,560,0,0
END MEMBER LOADS
```

```
BEGIN NEXT PRIMARY LOAD CASE
```

```
4,"Web03",0,40,1,0,0,0,0
BEGIN MEMBER LOADS
FORMAT: ???????????
1 Records
      803,0,8,0,1120,0,0
END MEMBER LOADS
```

```
BEGIN NEXT PRIMARY LOAD CASE
```

```
5,"Web05",0,40,1,0,0,0,0
BEGIN MEMBER LOADS
FORMAT: ???????????
1 Records
      805,0,8,0,332,0,0
END MEMBER LOADS
```

```
BEGIN NEXT PRIMARY LOAD CASE
```

```
6,"Web06",0,40,1,0,0,0,0
BEGIN MEMBER LOADS
FORMAT: ???????????
1 Records
      806,0,8,0,560,0,0
END MEMBER LOADS
```

```
BEGIN NEXT PRIMARY LOAD CASE
```


03_main_beam_ptbars_new.lar

8/1/2018

7, "Web07", 0, 40, 1, 0, 0, 0, 0

BEGIN MEMBER LOADS

FORMAT: ????????????

1 Records

807, 0, 8, 0, 280, 0, 0

END MEMBER LOADS

BEGIN NEXT PRIMARY LOAD CASE

8, "Web08", 0, 40, 1, 0, 0, 0, 0

BEGIN MEMBER LOADS

FORMAT: ????????????

1 Records

808, 0, 8, 0, 1120, 0, 0

END MEMBER LOADS

BEGIN NEXT PRIMARY LOAD CASE

9, "Web10", 0, 40, 1, 0, 0, 0, 0

BEGIN MEMBER LOADS

FORMAT: ????????????

1 Records

810, 0, 8, 0, 1556, 0, 0

END MEMBER LOADS

BEGIN NEXT PRIMARY LOAD CASE

10, "Web11", 0, 40, 1, 0, 0, 0, 0

BEGIN MEMBER LOADS

FORMAT: ????????????

1 Records

811, 0, 8, 0, 560, 0, 0

END MEMBER LOADS

BEGIN NEXT PRIMARY LOAD CASE

END PRIMARY LOAD CASES

BEGIN STAGES

Below is the information for stage data. Consult reference for data format.

23 Records

1, "Transport Support", 28, 72, 80, 2

1, "Transport supports", 0, 0, 0, 2, 0, 0, 0, 0, 0, 0, 16, 1, 0

109, 0, 1, 1, 1, 0, 0

127, 1, 1, 1, 1, 0, 0

8/1/2018

03_main_beam_ptbars_new.lar

```

    2,"Full self weight",0,3,2,0,0,0,0,0,0,0,16,1,0
      1,0
      2,0
      3,0
      1,1
      2,1
19,"2.1-D1",28,72,80,1
    1,"Stress D1",0,0,0,0,0,2,0,0,0,0,16,1,0
      5,0
      6,0
18,"2.2-C2",28,72,80,1
    1,"Stress C2",0,0,0,0,0,2,0,0,0,0,16,1,0
      1,0
      2,0
17,"2.3.A-W02",28,72,80,1
    1,"Stress W02",0,1,1,0,0,0,0,0,0,0,16,1,0
      4,0
      3,1
16,"2.3.B-W11",28,72,80,1
    1,"Stress W11",0,1,1,0,0,0,0,0,0,0,16,1,0
      5,0
      10,1
15,"2.4.A-D2",28,72,80,1
    1,"Stress D2",0,0,0,0,0,2,0,0,0,0,16,1,0
      7,0
      8,0
14,"2.4.B-D3",28,72,80,1
    1,"Stress D3",0,0,0,0,0,2,0,0,0,0,16,1,0
      9,0
      10,0
13,"2.4.C-D4",28,72,80,1
    1,"Stress D4",0,0,0,0,0,2,0,0,0,0,16,1,0
      11,0
      12,0
12,"2.4.D-D5",28,72,80,1
    1,"Stress D5",0,0,0,0,0,2,0,0,0,0,16,1,0
      13,0
      14,0
11,"2.4.E-D6",28,72,80,1
    1,"Stress D6",0,0,0,0,0,2,0,0,0,0,16,1,0
      15,0
      16,0
10,"2.6.A-W03",28,72,80,1
    1,"Stress W03",0,1,1,0,0,0,0,0,0,0,16,1,0
      11,0
      4,1

```


8/1/2018

03_main_beam_ptbars_new.lar

```

9,"2.6.B-W10",28,72,80,1
  1,"Stress W10",0,1,1,0,0,0,0,0,0,0,16,1,0
    6,0
    9,1
8,"2.7.A-W05",28,72,80,1
  1,"Stress W05",0,1,1,0,0,0,0,0,0,0,16,1,0
    10,0
    5,1
7,"2.7.B-W08",28,72,80,1
  1,"Stress W08",0,1,1,0,0,0,0,0,0,0,16,1,0
    7,0
    8,1
6,"2.8.A-W06",28,72,80,1
  1,"Stress W06",0,1,1,0,0,0,0,0,0,0,16,1,0
    9,0
    6,1
5,"2.8.B-W07",28,72,80,1
  1,"Stress W07",0,1,1,0,0,0,0,0,0,0,16,1,0
    8,0
    7,1
4,"2.9-C3",28,72,80,1
  1,"Stress C3",0,0,0,0,0,0,2,0,0,0,0,16,1,0
    3,0
    4,0
2,"Final Placement Supports",28,72,80,1
  1,"Add end supports",0,0,0,2,0,0,0,0,0,0,16,1,0
    102,0,1,1,1,0,0
    134,1,1,1,1,0,0
21,"Final Placement",28,72,80,1
  1,"Remove transport supports",0,0,0,2,0,0,0,0,0,0,16,1,0
    109,0,0,0,0,0,0
    127,0,0,0,0,0,0
3,"Remove Web02 PT bars",28,72,80,1
  1,"Destress W02",1,1,0,0,0,0,0,0,0,0,16,1,0
    4,0
22,"Remove Web11 PT bars",28,72,80,1
  1,"Destress W11",1,1,0,0,0,0,0,0,0,0,16,1,0
    5,0
20,"Restress Web02 PT bars",28,72,80,1
  1,"Restress W02",0,1,1,0,0,0,0,0,0,0,16,1,0
    4,0
    3,1
23,"Restress Web11 PT bars",28,72,80,1
  1,"Restress W11",0,1,1,0,0,0,0,0,0,0,16,1,0
    5,0
    10,1

```

03_main_beam_ptbars_new.lar

8/1/2018

END STAGES

XTRACT MODEL

SECTION ANALYSIS

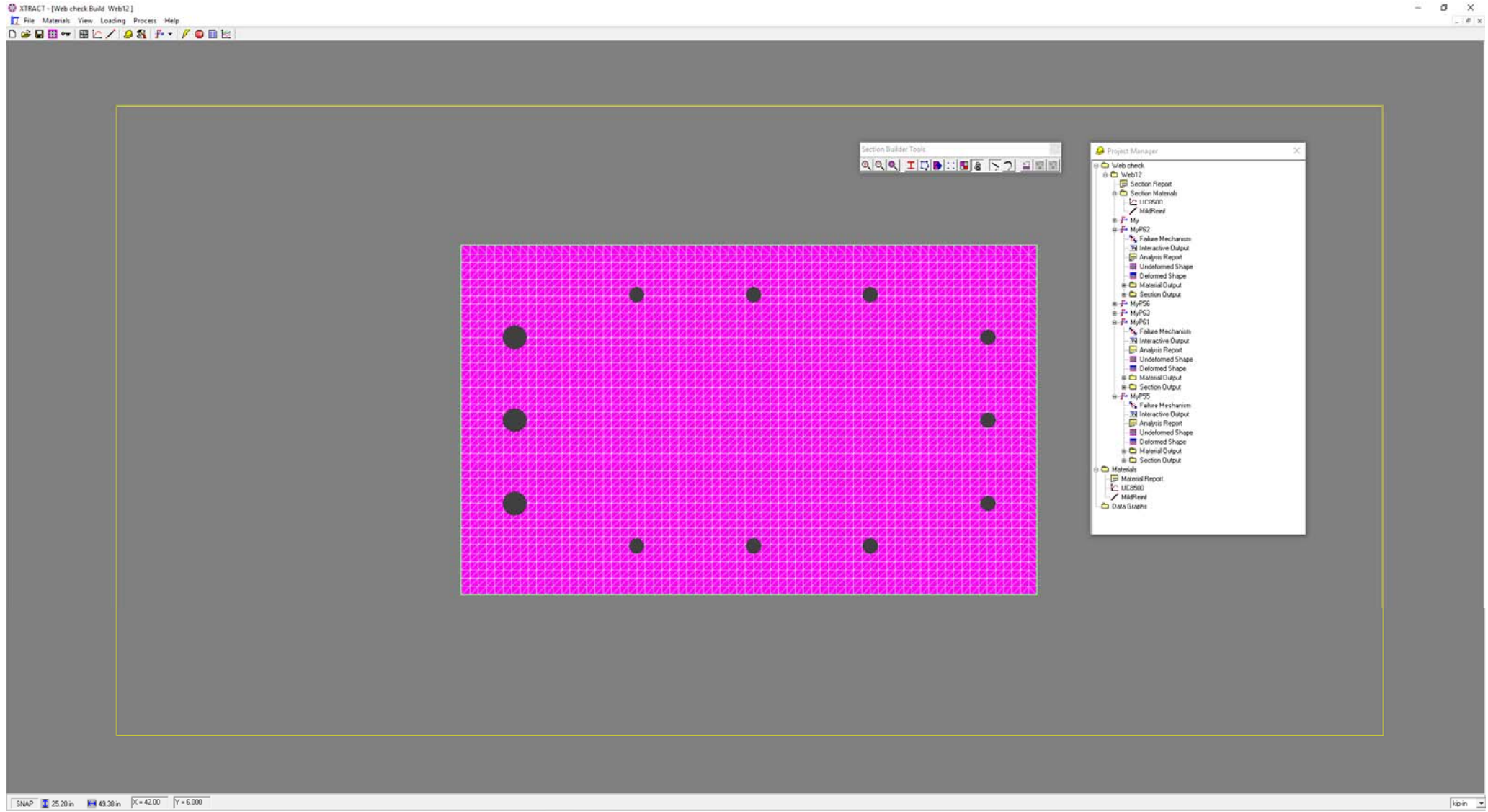
REINFORCING AND CONCRETE STESSES

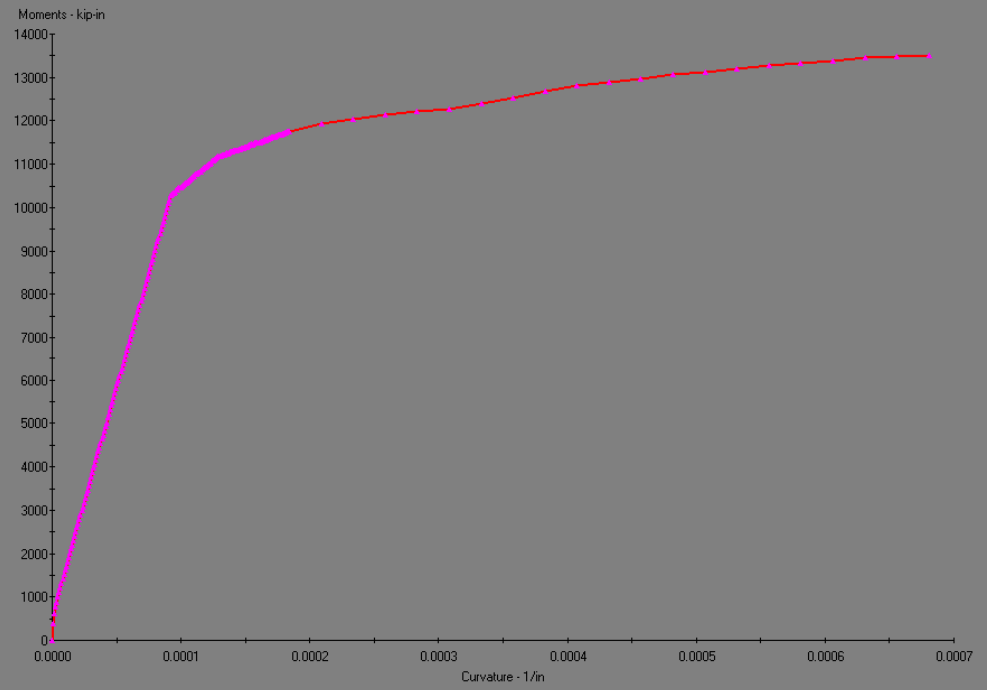
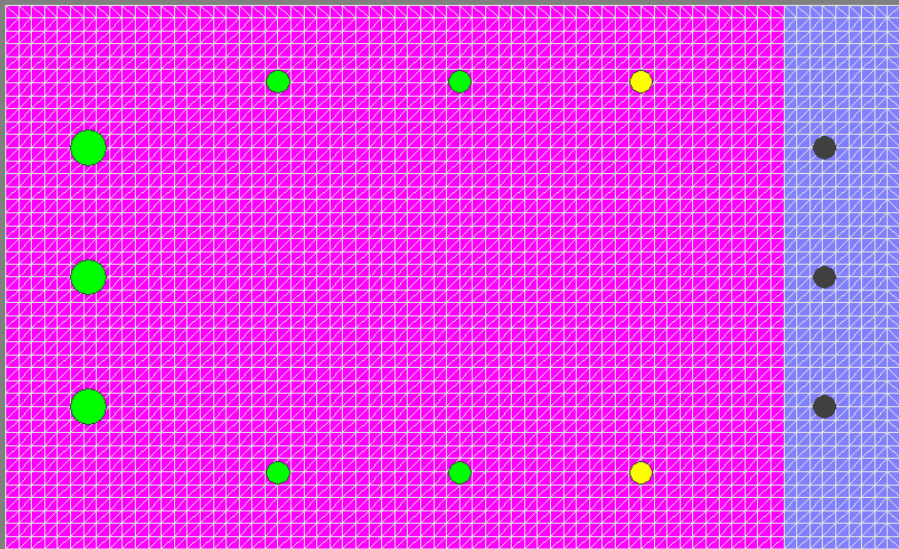
FOR VARIOUS LOADING CONDITIONS

OF WEB 12 AT DECK LEVEL

File: web12_calcs.xpj

Version: V3.1.3





Web12_calcs.xpj

12/3/2018

```
# Project file generated by XTRACT
# Created by: Christopher J. Burgess
```

```
# WARNING: When this file is read into XTRACT, data consistency checks are NOT performed. If
inappropriate
# input data is read into the software, unexpected results may ensue. Before modifying this file, it is
advised to
# save a back up copy. The order of the file is not important, nor is the spacing. The file must contain
Global
# data as described below. Note that if this file is saved outside XTRACT, the associated output file will
be
# automatically deleted when the file is opened.
```

```
# Define the global parameters for the file separated by Begin_Global and End_Global
# Version, Units and Name are required.
```

```
Begin_Global
  NAME = Web check
  VER = 3.13
  UNITS = kip-in
  HAS_ANALYZED = True

  # Optional parameters
  Author = Christopher J. Burgess
  Company = FIGG
  Job_Name = Contract Plans FofS
  Job_Number = 92358.00
  Time_Stamp = 7/20/2018 11:36:50 AM
```

```
End_Global
```

```
#-----
```

```
# Begin material definition with Begin_Material and end with End_Material
```

```
Begin_Material
  NAME = UC8500
  TYPE = Unconfined Concrete
  Fc = 8.500
  ey = 0.00105
  ecu = 0.003
  esp = 0.006
  ef = 0.003
  Ec = 5255
```

```
End_Material
```

```
#-----
```

```
Begin_Material
  NAME = MildReinf
```


Web12_calcs.xpj

12/3/2018

```

TYPE = Strain Hardening Steel
Fy = 60.00
Fu = 90.00
esh = 0.008
esu = 0.09
Es = 29.00E+3

```

End_Material

#-----

```

# Begin Section Definitions.  Between the Begin and End Section commands, the section shapes and
# loadings are defined.  If this is copied to a stand alone (.sec) file, then the section
# materials also need to be defined.
# Begin section definition.

```

Begin_Section

Begin_Builder

NAME = Web12

Builder properties - boundary window - if left out, the default is used.

Boundary_Bottom = -18.90

Boundary_Left = -37.95

Boundary_Right = 37.95

Boundary_Top = 18.90

Min_Triangle_Area = 45.96E-3

Max_Number_of_Fibers = 4000

Current drawing window properties - if left out, the default is used.

Window_Left = 24.73

Window_Bottom = 12.60

Window_Height = 25.20

End_Builder

#-----

Section comments or design log - optional

Begin_UserComments

User Comments

End_UserComments

#-----

Shapes and meshes - for shapes within shapes, list outermost shape first. Shape boundaries may not cross.

Points are listed in X Y coordinates separated by a comma preceded by the mode of drawing.

The last point in the sequence of any shape must be the same as the first point to close the shape properly.

Repeat shape Start_Shape - End_Shape command group as needed. Before editing the shape definitions, make sure

the data results in reasonable shapes (ie No lines cross, if a shape is embedded in another shape

Web12_calcs.xpj

12/3/2018

```

-
# confined within unconfined - the outer shape must be defined first).  If the mesh size is defined
too
# small, an error will be thrown.  To allow for smaller mesh sizes, modify the Max_Number_of_Fibers
# parameter in the section definition.

# Section Shapes
Begin_Shape
  MATERIAL = UC8500
  MESH = .5000
  Begin_Line
    -17.25, -10.50
    17.25, -10.50
    17.25, 10.50
    -17.25, 10.50
    -17.25, -10.50
  End_Line
End_Shape
#-----

# Reinforcing bars.  Data is given comma separated in the form X, Y, Area, Prestress, Material.
Begin_Rebar
  -14.06, -5.000, 1.562, 0, MildReinf
  -14.06, 0, 1.562, 0, MildReinf
  -14.06, 5.000, 1.562, 0, MildReinf
  -6.750, -7.560, .6013, 0, MildReinf
  .2500, -7.560, .6013, 0, MildReinf
  7.250, -7.560, .6013, 0, MildReinf
  7.250, 7.560, .6013, 0, MildReinf
  .2500, 7.560, .6013, 0, MildReinf
  -6.750, 7.560, .6013, 0, MildReinf
  14.31, -5.000, .6013, 0, MildReinf
  14.31, 0, .6013, 0, MildReinf
  14.31, 5.000, .6013, 0, MildReinf
End_Rebar
#-----

# Define the loading data, choose Moment Curvature, Capacity Orbit, or PM Interaction for loading
type.
# Required data not defined here is taken from default values.
Begin>Loading
  NAME = My
  TYPE = Moment Curvature

  # Incrementing load parameters - Positive increments in a positive direction.

```


Web12_calcs.xpj

12/3/2018

```
IncMyy = 1.0000

Use_Best_Fit = True

# Include Plastic Hinge length.
Calc_Moment_Rot = False

# Analysis Parameters.
Method = BiSection
N_Steps_Before_Yield = 10
N_Steps_After_Yield = 20
Multiple_On_First_Yield = 2
BS_Tol = 1.0000
BS_Max_Itter = 40

End>Loading
#-----

Begin>Loading

NAME = MyP62
TYPE = Moment Curvature

# Constant loads applied at first step - negative is read as compression.
ConstAxial = -62.00

# Incrementing load parameters - Positive increments in a positive direction.
IncMyy = 1.0000

Use_Best_Fit = True

# Include Plastic Hinge length.
Calc_Moment_Rot = False

# Analysis Parameters.
Method = BiSection
N_Steps_Before_Yield = 200
N_Steps_After_Yield = 20
Multiple_On_First_Yield = 2
BS_Tol = 1.0000
BS_Max_Itter = 40

Begin_LoadUserComments
User Comments
End_LoadUserComments
```

Web12_calcs.xpj

12/3/2018

End>Loading

#-----

Begin>Loading

NAME = MyP56

TYPE = Moment Curvature

Constant loads applied at first step - negative is read as compression.

ConstAxial = -62.00

Incrementing load parameters - Positive increments in a positive direction.

IncMyy = 1.0000

Use_Best_Fit = True

Include Plastic Hinge length.

Calc_Moment_Rot = False

Analysis Parameters.

Method = BiSection

N_Steps_Before_Yield = 200

N_Steps_After_Yield = 20

Multiple_On_First_Yield = 2

BS_Tol = 1.0000

BS_Max_Itter = 40

End>Loading

#-----

Begin>Loading

NAME = MyP63

TYPE = Moment Curvature

Constant loads applied at first step - negative is read as compression.

ConstAxial = -63.00

Incrementing load parameters - Positive increments in a positive direction.

IncMyy = 1.0000

Use_Best_Fit = True

Include Plastic Hinge length.

Calc_Moment_Rot = False

Web12_calcs.xpj

12/3/2018

```

# Analysis Parameters.
Method = BiSection
N_Steps_Before_Yield = 200
N_Steps_After_Yield = 20
Multiple_On_First_Yield = 2
BS_Tol = 1.0000
BS_Max_Itter = 40

End>Loading
#-----

Begin>Loading

NAME = MyP61
TYPE = Moment Curvature

# Constant loads applied at first step - negative is read as compression.
ConstAxial = -61.00

# Incrementing load parameters - Positive increments in a positive direction.
IncMyy = 1.0000

Use_Best_Fit = True

# Include Plastic Hinge length.
Calc_Moment_Rot = False

# Analysis Parameters.
Method = BiSection
N_Steps_Before_Yield = 200
N_Steps_After_Yield = 20
Multiple_On_First_Yield = 2
BS_Tol = 1.0000
BS_Max_Itter = 40

End>Loading
#-----

Begin>Loading

NAME = MyP55
TYPE = Moment Curvature

# Constant loads applied at first step - negative is read as compression.
ConstAxial = -55.00

```

Web12_calcs.xpj

12/3/2018

```
# Incrementing load parameters - Positive increments in a positive direction.  
IncMyy = 1.0000
```

```
Use_Best_Fit = True
```

```
# Include Plastic Hinge length.  
Calc_Moment_Rot = False
```

```
# Analysis Parameters.  
Method = BiSection  
N_Steps_Before_Yield = 200  
N_Steps_After_Yield = 20  
Multiple_On_First_Yield = 2  
BS_Tol = 1.0000  
BS_Max_Itter = 40
```

```
End>Loading
```

```
#-----
```

```
End>Section
```

```
#-----
```


SP-COLUMN

SECTION ANALYSIS

AXIAL LOAD / MOMENT

INTERACTION DIAGRAMS

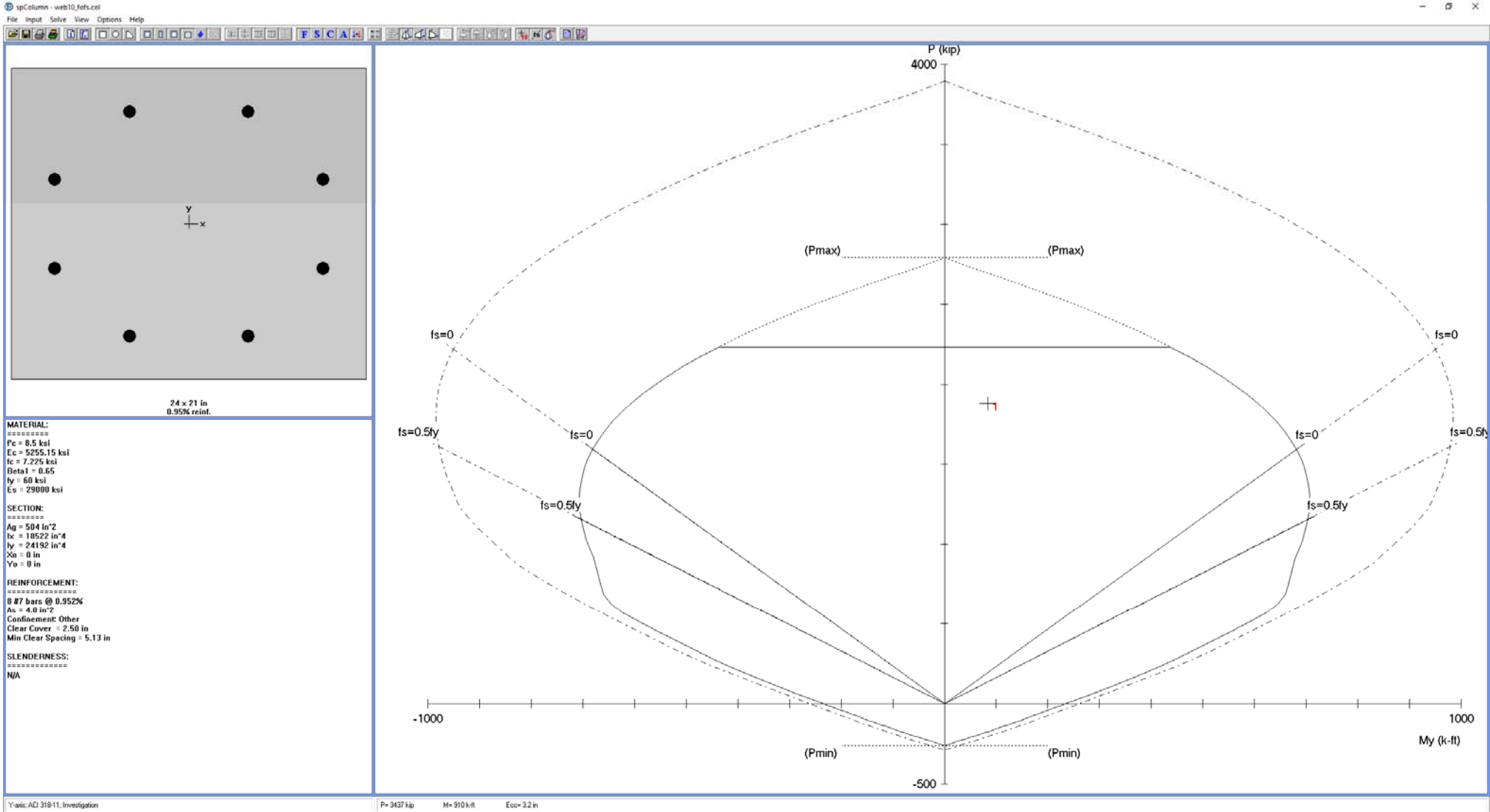
FOR WEBS ELEMENTS 10, 11 AND 12

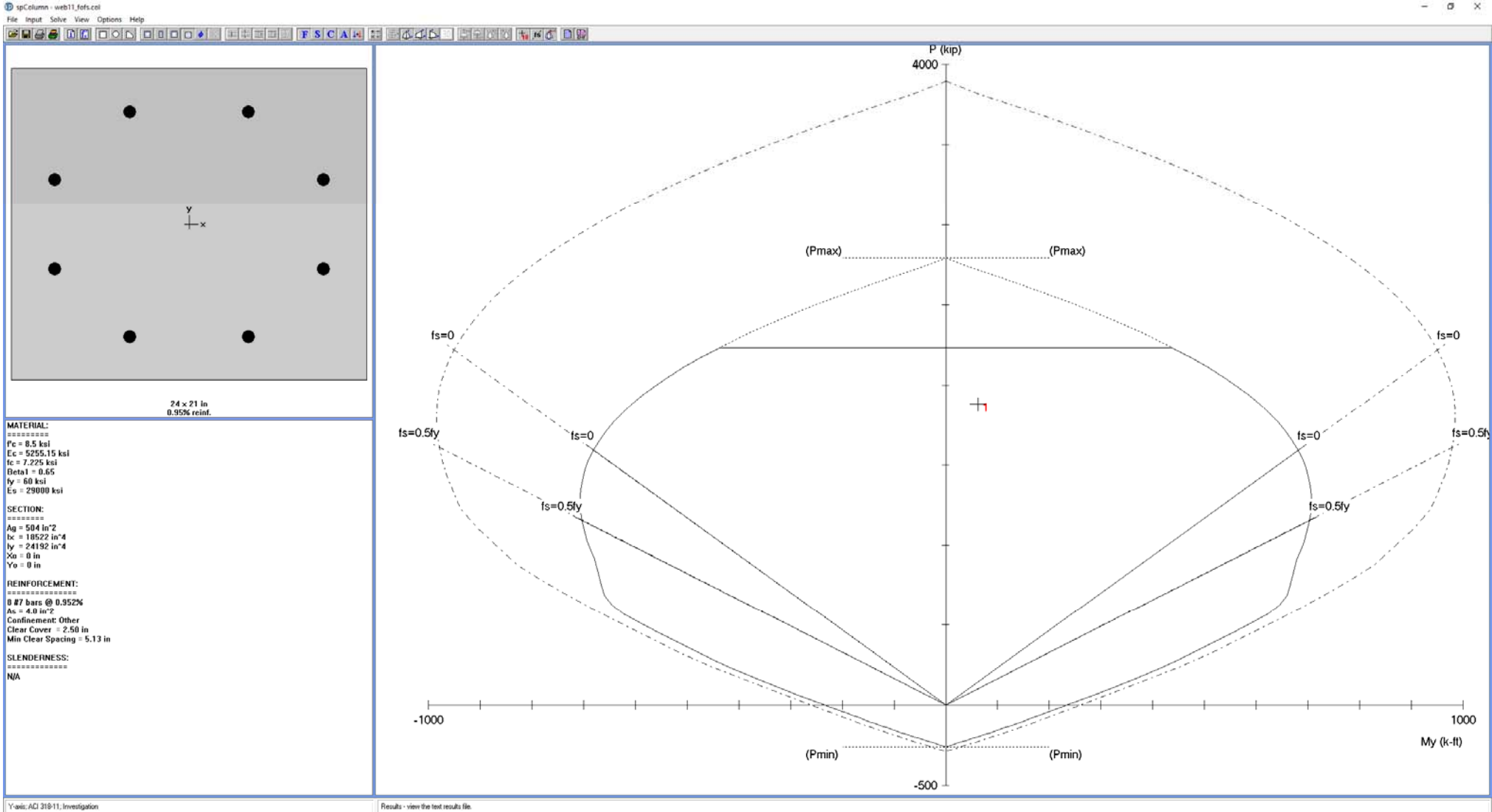
Files: web10_fofs.col

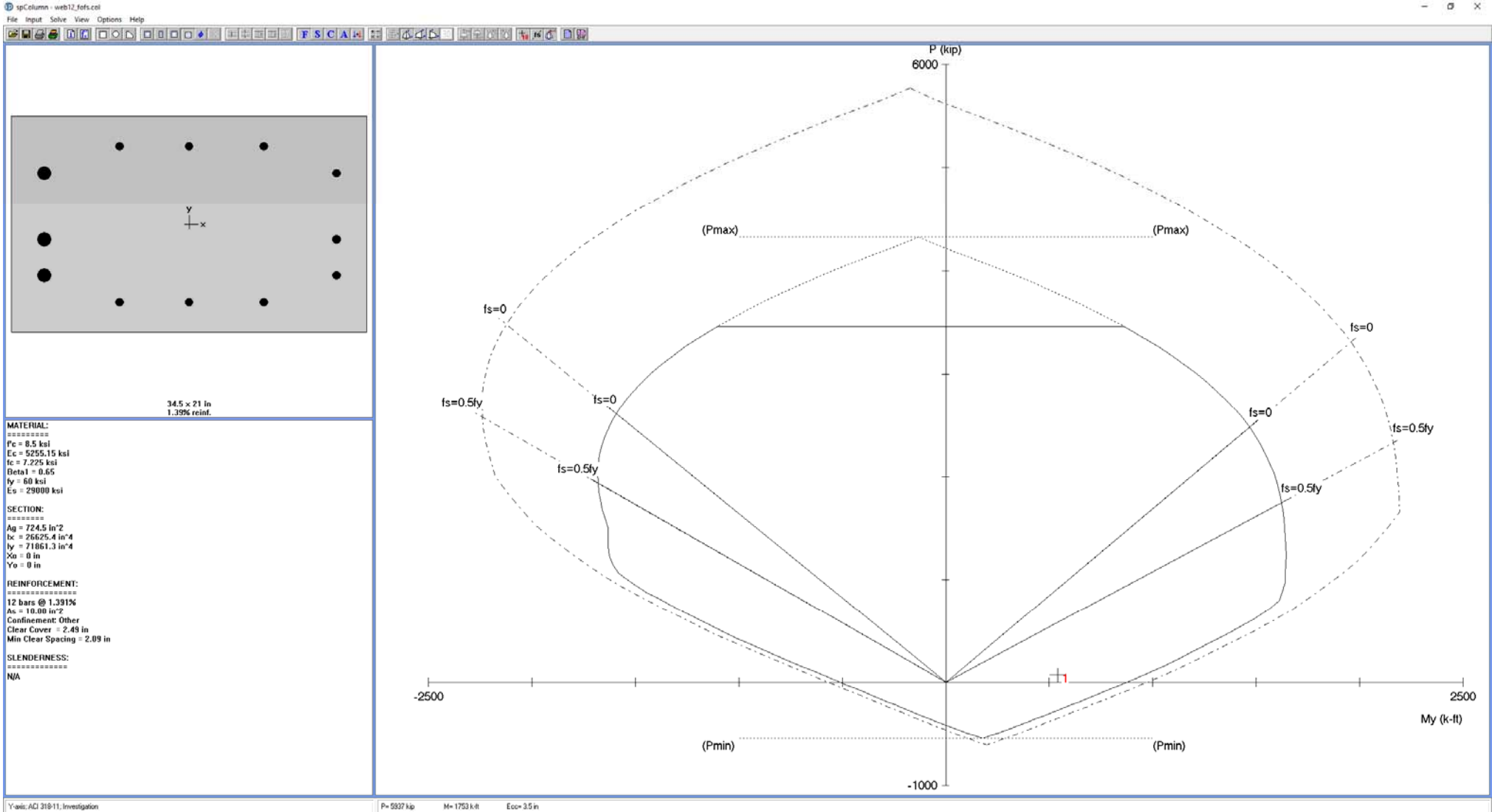
web11_fofs.col

web12_fofs.col

Version: V5.50







web10_fofs.out

11/30/2018

STRUCTUREPOINT - spColumn v5.50 (TM)

Page 1

Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B

11/30/18

c:\cjb\data_projects\rand\project01\files_spcol\02_web10\fofs\web10_fofs.col

05:28 PM

```

                                oooooo                o
                                oo   oo                oo
    ooooo  oooooo  oooooo  oooooo  oo   oo  oo   oo  o ooooooooooooo  o ooooo
oo   o  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo
oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo
oooooo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo
      oo  ooooooo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo
o   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo
oooooo  oo   oo   oooooo  oooooo  ooo  oooooo o  oo   oo  oo   oo   oo   oo (TM)

```

```

=====
                                spColumn v5.50 (TM)
    Computer program for the Strength Design of Reinforced Concrete Sections
    Copyright © 1988-2016, STRUCTUREPOINT, LLC.
    All rights reserved
=====

```

Licensee stated above acknowledges that STRUCTUREPOINT (SP) is not and cannot be responsible for either

web10_fofs.out

11/30/2018

the accuracy or adequacy of the material supplied as input for processing by the spColumn computer program. Furthermore, STRUCTUREPOINT neither makes any warranty expressed nor implied with respect to the correctness of the output prepared by the spColumn program. Although STRUCTUREPOINT has endeavored to produce spColumn error free the program is not and cannot be certified infallible. The final and only responsibility for analysis, design and engineering documents is the licensee's. Accordingly, STRUCTUREPOINT disclaims all responsibility in contract, negligence or other tort for any analysis, design or engineering documents prepared in connection with the use of the spColumn program.

web10_fofs.out

11/30/2018

STRUCTUREPOINT - spColumn v5.50 (TM)

Page 2

Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B

11/30/18

c:\cjb\data_projects\rand\project01\files_spcol\02_web10\fofs\web10_fofs.col

05:28 PM

General Information:

=====

File Name: c:\cjb\data_projects\rand\project01\files_spcol\02_web10\fofs\web10_fofs.col

Project: Factor of Safety

Column: Web10

Engineer: CJB

Code: ACI 318-11

Units: English

Run Option: Investigation

Slenderness: Not considered

Run Axis: Y-axis

Column Type: Architectural

Material Properties:

=====

Concrete: Standard

Steel: Standard

f'c = 8.5 ksi

fy = 60 ksi

Ec = 5255.15 ksi

Es = 29000 ksi

fc = 7.225 ksi

Eps_yt = 0.00206897 in/in

Eps_u = 0.003 in/in

Beta1 = 0.65

Section:

=====

Rectangular: Width = 24 in

Depth = 21 in

Gross section area, Ag = 504 in²Ix = 18522 in⁴Iy = 24192 in⁴

rx = 6.06218 in

ry = 6.9282 in

Xo = 0 in

Yo = 0 in

Reinforcement:

=====

Bar Set: ASTM A615

Size	Diam (in)	Area (in ²)	Size	Diam (in)	Area (in ²)	Size	Diam (in)	Area (in ²)
# 3	0.38	0.11	# 4	0.50	0.20	# 5	0.63	0.31
# 6	0.75	0.44	# 7	0.88	0.60	# 8	1.00	0.79
# 9	1.13	1.00	# 10	1.27	1.27	# 11	1.41	1.56
# 14	1.69	2.25	# 18	2.26	4.00			

web10_fofs.out

11/30/2018

Confinement: Other; #3 ties with #10 bars, #4 with larger bars.
 $\phi(a) = 0.8$, $\phi(b) = 0.9$, $\phi(c) = 0.75$

Pattern: Irregular

Total steel area: $A_s = 4.80 \text{ in}^2$ at $\rho = 0.95\%$ (Note: $\rho < 1.0\%$)

Minimum clear spacing = 5.13 in

Area in ²	X (in)	Y (in)	Area in ²	X (in)	Y (in)	Area in ²	X (in)	Y (in)
0.60	4.0	7.6	0.60	9.1	3.0	0.60	9.1	-3.0
0.60	4.0	-7.6	0.60	-4.0	-7.6	0.60	-9.1	-3.0
0.60	-9.1	3.0	0.60	-4.0	7.6			

Factored Loads and Moments with Corresponding Capacities:

No.	Pu kip	Muy k-ft	PhiMny k-ft	PhiMn/Mu	NA depth in	Dt depth in	eps_t	Phi
1	1884.00	84.00	606.07	7.215	24.92	21.06	-0.00046	0.750

*** End of output ***

web11_fofs.out

11/30/2018

STRUCTUREPOINT - spColumn v5.50 (TM)

Page 1

Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B

11/30/18

c:\cjb\data_projects\rand\project01\files_spcol\03_web11\fofs\web11_fofs.col

05:26 PM

```

                                oooooo                o
                                oo   oo                oo
                                oo                oo   oo   o ooooooooooooo   o ooooo
o      o      oooooo          oo                ooooo  oo   oo   oo   oo   oo   oo   oo
oo      oo   oo   oo          oo                oo   oo  oo   oo   oo   oo   oo   oo   oo
ooooo          oo   oo          oo                oo   oo  oo   oo   oo   oo   oo   oo   oo
      oo          ooooooo          oo                oo   oo  oo   oo   oo   oo   oo   oo   oo
o      oo          oo                oo   oo          oo   oo  oo   oo   oo   oo   oo   oo   oo
ooooo          oo                oooooo          ooooo  o   oo   oo   oo   oo   oo   oo   oo (TM)

```

```

=====
                                spColumn v5.50 (TM)
                                Computer program for the Strength Design of Reinforced Concrete Sections
                                Copyright © 1988-2016, STRUCTUREPOINT, LLC.
                                All rights reserved
=====

```

Licensee stated above acknowledges that STRUCTUREPOINT (SP) is not and cannot be responsible for either

web11_fofs.out

11/30/2018

the accuracy or adequacy of the material supplied as input for processing by the spColumn computer program. Furthermore, STRUCTUREPOINT neither makes any warranty expressed nor implied with respect to the correctness of the output prepared by the spColumn program. Although STRUCTUREPOINT has endeavored to produce spColumn error free the program is not and cannot be certified infallible. The final and only responsibility for analysis, design and engineering documents is the licensee's. Accordingly, STRUCTUREPOINT disclaims all responsibility in contract, negligence or other tort for any analysis, design or engineering documents prepared in connection with the use of the spColumn program.

web11_fofs.out

11/30/2018

STRUCTUREPOINT - spColumn v5.50 (TM)

Page 2

Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B

11/30/18

c:\cjb\data_projects\rand\project01\files_spcol\03_web11\fofs\web11_fofs.col

05:26 PM

General Information:

=====

File Name: c:\cjb\data_projects\rand\project01\files_spcol\03_web11\fofs\web11_fofs.col

Project: Factor of Safety

Column: Web11

Engineer: CJB

Code: ACI 318-11

Units: English

Run Option: Investigation

Slenderness: Not considered

Run Axis: Y-axis

Column Type: Architectural

Material Properties:

=====

Concrete: Standard

Steel: Standard

f'c = 8.5 ksi

fy = 60 ksi

Ec = 5255.15 ksi

Es = 29000 ksi

fc = 7.225 ksi

Eps_yt = 0.00206897 in/in

Eps_u = 0.003 in/in

Beta1 = 0.65

Section:

=====

Rectangular: Width = 24 in

Depth = 21 in

Gross section area, Ag = 504 in²Ix = 18522 in⁴Iy = 24192 in⁴

rx = 6.06218 in

ry = 6.9282 in

Xo = 0 in

Yo = 0 in

Reinforcement:

=====

Bar Set: ASTM A615

Size	Diam (in)	Area (in ²)	Size	Diam (in)	Area (in ²)	Size	Diam (in)	Area (in ²)
# 3	0.38	0.11	# 4	0.50	0.20	# 5	0.63	0.31
# 6	0.75	0.44	# 7	0.88	0.60	# 8	1.00	0.79
# 9	1.13	1.00	# 10	1.27	1.27	# 11	1.41	1.56
# 14	1.69	2.25	# 18	2.26	4.00			

web11_fofs.out

11/30/2018

Confinement: Other; #3 ties with #10 bars, #4 with larger bars.
 $\phi(a) = 0.8$, $\phi(b) = 0.9$, $\phi(c) = 0.75$

Pattern: Irregular

Total steel area: $A_s = 4.80 \text{ in}^2$ at $\rho = 0.95\%$ (Note: $\rho < 1.0\%$)

Minimum clear spacing = 5.13 in

Area in ²	X (in)	Y (in)	Area in ²	X (in)	Y (in)	Area in ²	X (in)	Y (in)
0.60	4.0	7.6	0.60	9.1	3.0	0.60	9.1	-3.0
0.60	4.0	-7.6	0.60	-4.0	-7.6	0.60	-9.1	-3.0
0.60	-9.1	3.0	0.60	-4.0	7.6			

Factored Loads and Moments with Corresponding Capacities:

No.	Pu kip	Muy k-ft	PhiMny k-ft	PhiMn/Mu	NA depth in	Dt depth in	eps_t	Phi
1	1884.00	62.00	606.07	9.775	24.92	21.06	-0.00046	0.750

*** End of output ***

web12_fofs.out

11/30/2018

STRUCTUREPOINT - spColumn v5.50 (TM)

Page 1

Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B

11/30/18

c:\cjb\data_projects\rand\project01\files_spcol\04_web12\fofs\web12_fofs.col

05:22 PM

```

                                oooooo                o
                                oo   oo                oo
                                oo                oo   oo   o ooooooooooooo   o ooooo
ooooo  oooooo  oooooo  ooooo  ooooo  oo   oo   oo   oo   oo   oo   oo   oo   oo
oo   o  oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo
oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo
ooooo  oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo
      oo  oooooo  oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo
o   oo  oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo   oo
ooooo  oo   oooooo  ooooo  ooooo  ooo   oooooo o  oo   oo   oo   oo   oo (TM)

```

```

=====
                                spColumn v5.50 (TM)
                                Computer program for the Strength Design of Reinforced Concrete Sections
                                Copyright © 1988-2016, STRUCTUREPOINT, LLC.
                                All rights reserved
=====

```

Licensee stated above acknowledges that STRUCTUREPOINT (SP) is not and cannot be responsible for either

web12_fofs.out

11/30/2018

the accuracy or adequacy of the material supplied as input for processing by the spColumn computer program. Furthermore, STRUCTUREPOINT neither makes any warranty expressed nor implied with respect to the correctness of the output prepared by the spColumn program. Although STRUCTUREPOINT has endeavored to produce spColumn error free the program is not and cannot be certified infallible. The final and only responsibility for analysis, design and engineering documents is the licensee's. Accordingly, STRUCTUREPOINT disclaims all responsibility in contract, negligence or other tort for any analysis, design or engineering documents prepared in connection with the use of the spColumn program.

web12_fofs.out

11/30/2018

STRUCTUREPOINT - spColumn v5.50 (TM)

Page 2

Licensed to: FIGG Engineering Group. License ID: 66814-1057280-4-267A7-1DD6B

11/30/18

c:\cjb\data_projects\rand\project01\files_spcol\04_web12\fofs\web12_fofs.col

05:22 PM

General Information:

=====

File Name: c:\cjb\data_projects\rand\project01\files_spcol\04_web12\fofs\web12_fofs.col

Project: Factor of Safety

Column: Web12

Engineer: CJB

Code: ACI 318-11

Units: English

Run Option: Investigation

Slenderness: Not considered

Run Axis: Y-axis

Column Type: Structural

Material Properties:

=====

Concrete: Standard

Steel: Standard

f'c = 8.5 ksi

fy = 60 ksi

Ec = 5255.15 ksi

Es = 29000 ksi

fc = 7.225 ksi

Eps_yt = 0.00206897 in/in

Eps_u = 0.003 in/in

Beta1 = 0.65

Section:

=====

Rectangular: Width = 34.5 in

Depth = 21 in

Gross section area, Ag = 724.5 in²Ix = 26625.4 in⁴Iy = 71861.3 in⁴

rx = 6.06218 in

ry = 9.95929 in

Xo = 0 in

Yo = 0 in

Reinforcement:

=====

Bar Set: ASTM A615

Size	Diam (in)	Area (in ²)	Size	Diam (in)	Area (in ²)	Size	Diam (in)	Area (in ²)
# 3	0.38	0.11	# 4	0.50	0.20	# 5	0.63	0.31
# 6	0.75	0.44	# 7	0.88	0.60	# 8	1.00	0.79
# 9	1.13	1.00	# 10	1.27	1.27	# 11	1.41	1.56
# 14	1.69	2.25	# 18	2.26	4.00			

web12_fofs.out

11/30/2018

Confinement: Other; #3 ties with #10 bars, #4 with larger bars.
 $\phi(a) = 0.8$, $\phi(b) = 0.9$, $\phi(c) = 0.75$

Pattern: Irregular

Total steel area: $A_s = 10.08 \text{ in}^2$ at $\rho = 1.39\%$

Minimum clear spacing = 2.09 in

Area in ²	X (in)	Y (in)	Area in ²	X (in)	Y (in)	Area in ²	X (in)	Y (in)
0.60	0.0	7.6	0.60	7.3	7.6	0.60	14.3	5.0
0.60	14.3	-1.5	0.60	14.3	-5.0	0.60	7.3	-7.6
0.60	0.0	-7.6	0.60	-6.8	-7.6	1.56	-14.1	-5.0
1.56	-14.1	-1.5	1.56	-14.1	5.0	0.60	-6.8	7.6

Factored Loads and Moments with Corresponding Capacities:

No.	Pu kip	Muy k-ft	PhiMny k-ft	PhiMn/Mu	NA depth in	Dt depth in	eps_t	Phi
1	70.00	540.00	957.96	1.774	5.26	31.31	0.01486	0.900

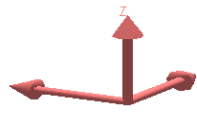
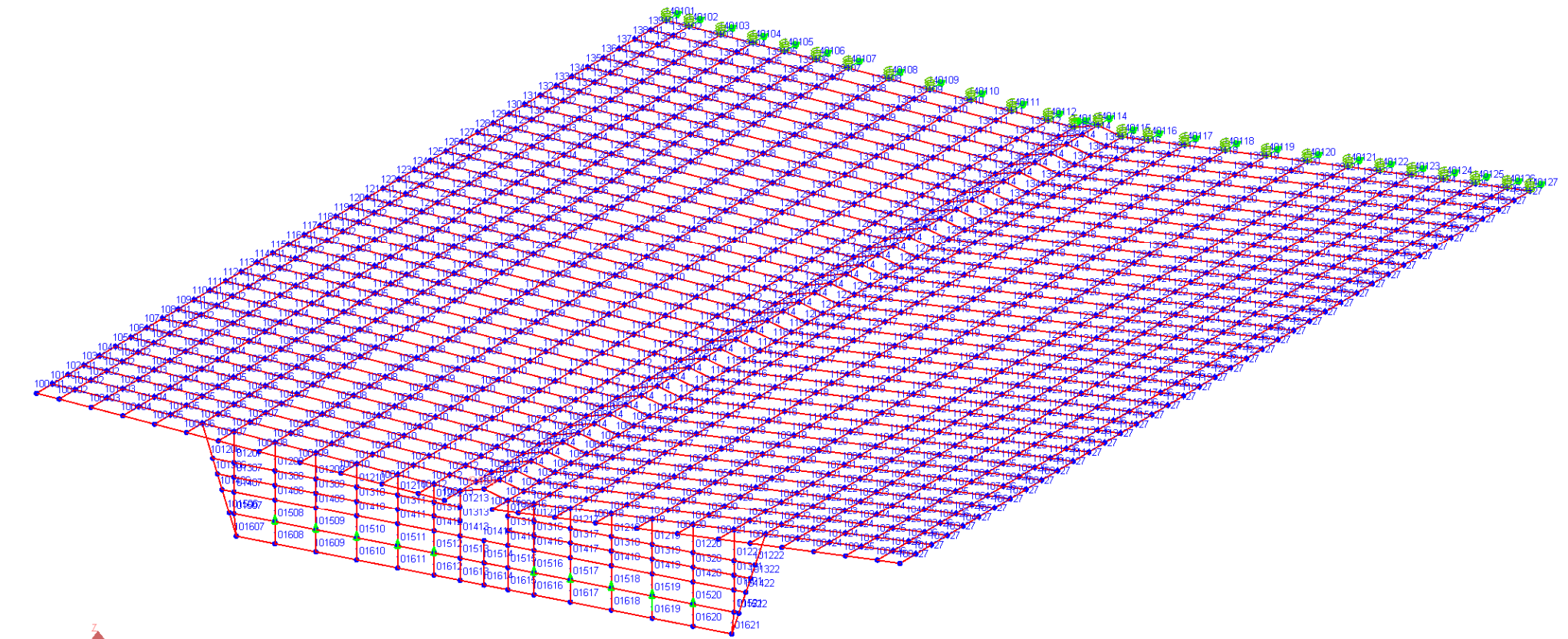
*** End of output ***

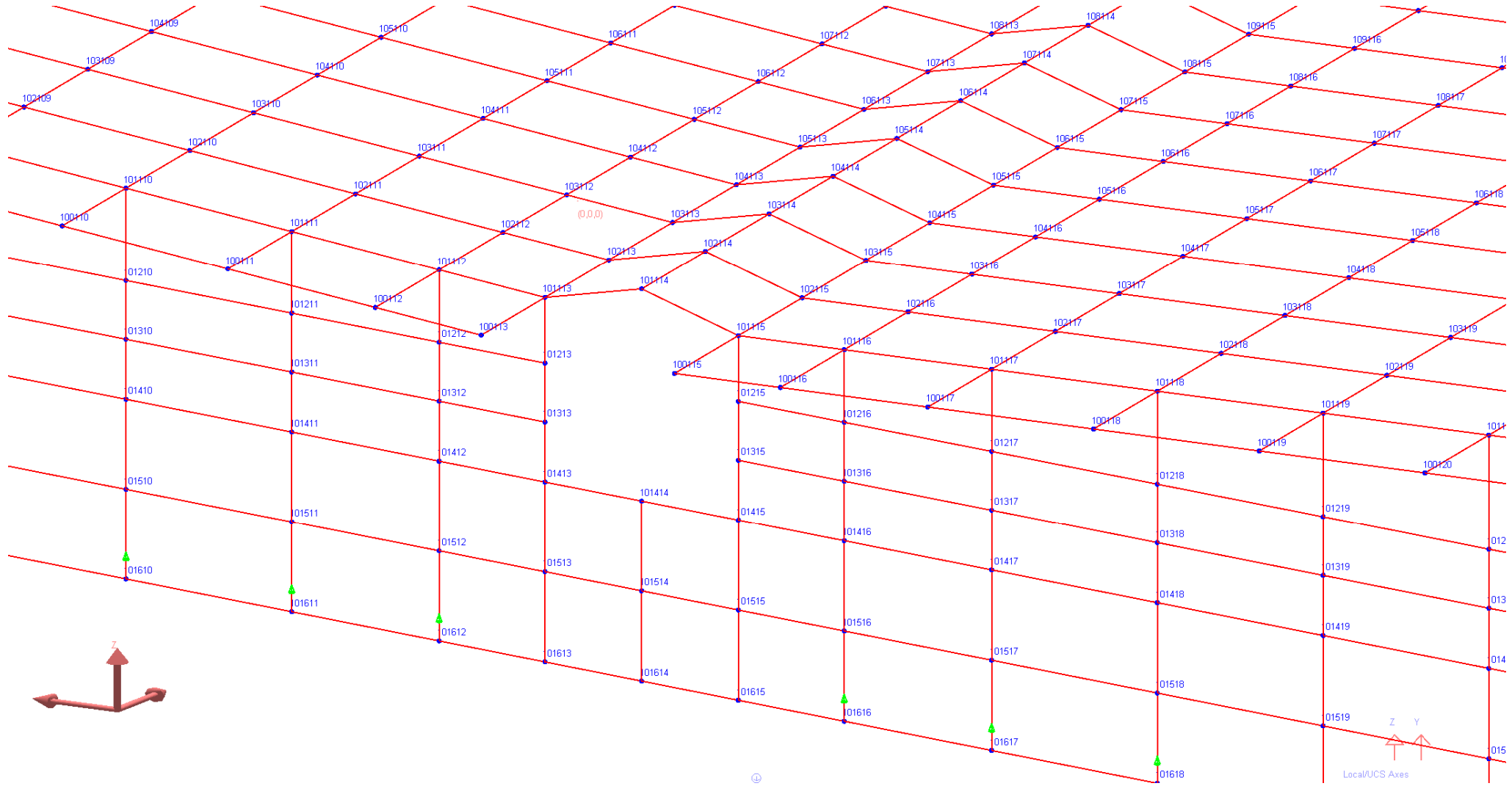
LARSA PLATE MODEL

3D MODEL OF END REGION UTILIZING 2D PLATE ELEMENTS

File: 07_deck_dia_plates_new_alp.lar

Version: V8.00.8000







Figg Bridge Engineers

FIU Contract Plans - Factor of Safety Estimates

Friday, December 7, 2018

cburgess
Figg Bridge Engineers

9635 Maroon Cir., Suite 125
Englewood, CO 80112
Tel: 303-757-7400



PROJECT SUMMARY

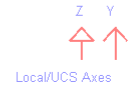
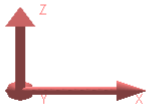
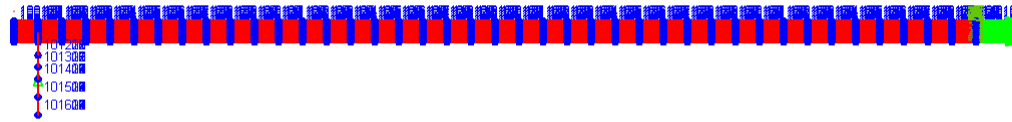
INPUT PROPERTIES		INPUT GEOMETRY		Load Cases	
	Count		Count		Count
Universal Restraints	NONE	Joints	1187	Load Cases	6
Materials	1	Members	NONE	Combination Cases	4
Sections	NONE	Plates	1112	Construction Stages	NONE
User Coordinate System	NONE	Springs	27	Linked Databases	NONE
Spring Curves	NONE	Isolaters	NONE		
Isolater Property	NONE	Mass Elements	NONE		
Creep Definitions	NONE	Slave / Masters	NONE		
		Tendons	NONE		

TABLE OF CONTENTS

INPUTS	Page#	Results	Page#
- INPUT : Material Properties	Page 5		
- INPUT : Joints	Page 5		
- INPUT : Springs	Page 40		
- INPUT : Plates	Page 41		
- INPUT : More Material Properties	Page 74		
- INPUT : Plate Offsets	Page 74		
- Load Cases	Page 107		

Graphics View 1

Zoom 1.000X



INPUT : Material Properties

Name	Modulus of Elasticity (kips/ft ²)	Poisson Ratio	Shear Modulus (kips/ft ²)	Unit Weight (kips/ft ³)	Thermal Expansion (1/ °F *10 ⁻⁶)	Assigned
Concrete8500	756,740.00	0.2000	315,308.33	0.1500	6.000000	Yes

INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
100101	0.0000	15.8330	-0.3960	all free	all free	Global	Yes
100102	0.0000	15.0000	-0.4370	all free	all free	Global	Yes
100103	0.0000	13.8330	-0.5070	all free	all free	Global	Yes
100104	0.0000	12.6670	-0.5770	all free	all free	Global	Yes
100105	0.0000	11.5000	-0.6470	all free	all free	Global	Yes
100106	0.0000	10.3330	-0.7170	all free	all free	Global	Yes
100107	0.0000	9.1670	-0.7870	all free	all free	Global	Yes
100108	0.0000	7.6670	-0.8770	all free	all free	Global	Yes
100109	0.0000	6.1670	-0.9670	all free	all free	Global	Yes
100110	0.0000	4.6670	-1.0570	all free	all free	Global	Yes
100111	0.0000	3.1670	-1.1470	all free	all free	Global	Yes
100112	0.0000	1.8330	-1.2270	all free	all free	Global	Yes
100113	0.0000	0.8750	-1.2840	all free	all free	Global	Yes
100115	0.0000	-0.8750	-1.2840	all free	all free	Global	Yes
100116	0.0000	-1.8330	-1.2270	all free	all free	Global	Yes
100117	0.0000	-3.1670	-1.1470	all free	all free	Global	Yes
100118	0.0000	-4.6670	-1.0570	all free	all free	Global	Yes
100119	0.0000	-6.1670	-0.9670	all free	all free	Global	Yes
100120	0.0000	-7.6670	-0.8770	all free	all free	Global	Yes
100121	0.0000	-9.1670	-0.7870	all free	all free	Global	Yes
100122	0.0000	-10.3330	-0.7170	all free	all free	Global	Yes
100123	0.0000	-11.5000	-0.6470	all free	all free	Global	Yes
100124	0.0000	-12.6670	-0.5770	all free	all free	Global	Yes
100125	0.0000	-13.8330	-0.5070	all free	all free	Global	Yes
100126	0.0000	-15.0000	-0.4370	all free	all free	Global	Yes
100127	0.0000	-15.8330	-0.3960	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
101101	1.0000	15.8330	-0.3960	all free	all free	Global	Yes
101102	1.0000	15.0000	-0.4370	all free	all free	Global	Yes
101103	1.0000	13.8330	-0.5070	all free	all free	Global	Yes
101104	1.0000	12.6670	-0.5770	all free	all free	Global	Yes
101105	1.0000	11.5000	-0.6470	all free	all free	Global	Yes
101106	1.0000	10.3330	-0.7170	all free	all free	Global	Yes
101107	1.0000	9.1670	-0.7870	all free	all free	Global	Yes
101108	1.0000	7.6670	-0.8770	all free	all free	Global	Yes
101109	1.0000	6.1670	-0.9670	all free	all free	Global	Yes
101110	1.0000	4.6670	-1.0570	all free	all free	Global	Yes
101111	1.0000	3.1670	-1.1470	all free	all free	Global	Yes
101112	1.0000	1.8330	-1.2270	all free	all free	Global	Yes
101113	1.0000	0.8750	-1.2840	all free	all free	Global	Yes
101114	1.0000	0.0000	-1.0530	all free	all free	Global	Yes
101115	1.0000	-0.8750	-1.2840	all free	all free	Global	Yes
101116	1.0000	-1.8330	-1.2270	all free	all free	Global	Yes
101117	1.0000	-3.1670	-1.1470	all free	all free	Global	Yes
101118	1.0000	-4.6670	-1.0570	all free	all free	Global	Yes
101119	1.0000	-6.1670	-0.9670	all free	all free	Global	Yes
101120	1.0000	-7.6670	-0.8770	all free	all free	Global	Yes
101121	1.0000	-9.1670	-0.7870	all free	all free	Global	Yes
101122	1.0000	-10.3330	-0.7170	all free	all free	Global	Yes
101123	1.0000	-11.5000	-0.6470	all free	all free	Global	Yes
101124	1.0000	-12.6670	-0.5770	all free	all free	Global	Yes
101125	1.0000	-13.8330	-0.5070	all free	all free	Global	Yes
101126	1.0000	-15.0000	-0.4370	all free	all free	Global	Yes
101127	1.0000	-15.8330	-0.3960	all free	all free	Global	Yes
102101	2.0000	15.8330	-0.3960	all free	all free	Global	Yes
102102	2.0000	15.0000	-0.4370	all free	all free	Global	Yes
102103	2.0000	13.8330	-0.5070	all free	all free	Global	Yes
102104	2.0000	12.6670	-0.5770	all free	all free	Global	Yes
102105	2.0000	11.5000	-0.6470	all free	all free	Global	Yes
102106	2.0000	10.3330	-0.7170	all free	all free	Global	Yes
102107	2.0000	9.1670	-0.7870	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
102108	2.0000	7.6670	-0.8770	all free	all free	Global	Yes
102109	2.0000	6.1670	-0.9670	all free	all free	Global	Yes
102110	2.0000	4.6670	-1.0570	all free	all free	Global	Yes
102111	2.0000	3.1670	-1.1470	all free	all free	Global	Yes
102112	2.0000	1.8330	-1.2270	all free	all free	Global	Yes
102113	2.0000	0.8750	-1.2840	all free	all free	Global	Yes
102114	2.0000	0.0000	-1.0530	all free	all free	Global	Yes
102115	2.0000	-0.8750	-1.2840	all free	all free	Global	Yes
102116	2.0000	-1.8330	-1.2270	all free	all free	Global	Yes
102117	2.0000	-3.1670	-1.1470	all free	all free	Global	Yes
102118	2.0000	-4.6670	-1.0570	all free	all free	Global	Yes
102119	2.0000	-6.1670	-0.9670	all free	all free	Global	Yes
102120	2.0000	-7.6670	-0.8770	all free	all free	Global	Yes
102121	2.0000	-9.1670	-0.7870	all free	all free	Global	Yes
102122	2.0000	-10.3330	-0.7170	all free	all free	Global	Yes
102123	2.0000	-11.5000	-0.6470	all free	all free	Global	Yes
102124	2.0000	-12.6670	-0.5770	all free	all free	Global	Yes
102125	2.0000	-13.8330	-0.5070	all free	all free	Global	Yes
102126	2.0000	-15.0000	-0.4370	all free	all free	Global	Yes
102127	2.0000	-15.8330	-0.3960	all free	all free	Global	Yes
103101	3.0000	15.8330	-0.3960	all free	all free	Global	Yes
103102	3.0000	15.0000	-0.4370	all free	all free	Global	Yes
103103	3.0000	13.8330	-0.5070	all free	all free	Global	Yes
103104	3.0000	12.6670	-0.5770	all free	all free	Global	Yes
103105	3.0000	11.5000	-0.6470	all free	all free	Global	Yes
103106	3.0000	10.3330	-0.7170	all free	all free	Global	Yes
103107	3.0000	9.1670	-0.7870	all free	all free	Global	Yes
103108	3.0000	7.6670	-0.8770	all free	all free	Global	Yes
103109	3.0000	6.1670	-0.9670	all free	all free	Global	Yes
103110	3.0000	4.6670	-1.0570	all free	all free	Global	Yes
103111	3.0000	3.1670	-1.1470	all free	all free	Global	Yes
103112	3.0000	1.8330	-1.2270	all free	all free	Global	Yes
103113	3.0000	0.8750	-1.2840	all free	all free	Global	Yes
103114	3.0000	0.0000	-1.0530	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
103115	3.0000	-0.8750	-1.2840	all free	all free	Global	Yes
103116	3.0000	-1.8330	-1.2270	all free	all free	Global	Yes
103117	3.0000	-3.1670	-1.1470	all free	all free	Global	Yes
103118	3.0000	-4.6670	-1.0570	all free	all free	Global	Yes
103119	3.0000	-6.1670	-0.9670	all free	all free	Global	Yes
103120	3.0000	-7.6670	-0.8770	all free	all free	Global	Yes
103121	3.0000	-9.1670	-0.7870	all free	all free	Global	Yes
103122	3.0000	-10.3330	-0.7170	all free	all free	Global	Yes
103123	3.0000	-11.5000	-0.6470	all free	all free	Global	Yes
103124	3.0000	-12.6670	-0.5770	all free	all free	Global	Yes
103125	3.0000	-13.8330	-0.5070	all free	all free	Global	Yes
103126	3.0000	-15.0000	-0.4370	all free	all free	Global	Yes
103127	3.0000	-15.8330	-0.3960	all free	all free	Global	Yes
104101	4.0000	15.8330	-0.3960	all free	all free	Global	Yes
104102	4.0000	15.0000	-0.4370	all free	all free	Global	Yes
104103	4.0000	13.8330	-0.5070	all free	all free	Global	Yes
104104	4.0000	12.6670	-0.5770	all free	all free	Global	Yes
104105	4.0000	11.5000	-0.6470	all free	all free	Global	Yes
104106	4.0000	10.3330	-0.7170	all free	all free	Global	Yes
104107	4.0000	9.1670	-0.7870	all free	all free	Global	Yes
104108	4.0000	7.6670	-0.8770	all free	all free	Global	Yes
104109	4.0000	6.1670	-0.9670	all free	all free	Global	Yes
104110	4.0000	4.6670	-1.0570	all free	all free	Global	Yes
104111	4.0000	3.1670	-1.1470	all free	all free	Global	Yes
104112	4.0000	1.8330	-1.2270	all free	all free	Global	Yes
104113	4.0000	0.8750	-1.2840	all free	all free	Global	Yes
104114	4.0000	0.0000	-1.0530	all free	all free	Global	Yes
104115	4.0000	-0.8750	-1.2840	all free	all free	Global	Yes
104116	4.0000	-1.8330	-1.2270	all free	all free	Global	Yes
104117	4.0000	-3.1670	-1.1470	all free	all free	Global	Yes
104118	4.0000	-4.6670	-1.0570	all free	all free	Global	Yes
104119	4.0000	-6.1670	-0.9670	all free	all free	Global	Yes
104120	4.0000	-7.6670	-0.8770	all free	all free	Global	Yes
104121	4.0000	-9.1670	-0.7870	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
104122	4.0000	-10.3330	-0.7170	all free	all free	Global	Yes
104123	4.0000	-11.5000	-0.6470	all free	all free	Global	Yes
104124	4.0000	-12.6670	-0.5770	all free	all free	Global	Yes
104125	4.0000	-13.8330	-0.5070	all free	all free	Global	Yes
104126	4.0000	-15.0000	-0.4370	all free	all free	Global	Yes
104127	4.0000	-15.8330	-0.3960	all free	all free	Global	Yes
105101	5.0000	15.8330	-0.3960	all free	all free	Global	Yes
105102	5.0000	15.0000	-0.4370	all free	all free	Global	Yes
105103	5.0000	13.8330	-0.5070	all free	all free	Global	Yes
105104	5.0000	12.6670	-0.5770	all free	all free	Global	Yes
105105	5.0000	11.5000	-0.6470	all free	all free	Global	Yes
105106	5.0000	10.3330	-0.7170	all free	all free	Global	Yes
105107	5.0000	9.1670	-0.7870	all free	all free	Global	Yes
105108	5.0000	7.6670	-0.8770	all free	all free	Global	Yes
105109	5.0000	6.1670	-0.9670	all free	all free	Global	Yes
105110	5.0000	4.6670	-1.0570	all free	all free	Global	Yes
105111	5.0000	3.1670	-1.1470	all free	all free	Global	Yes
105112	5.0000	1.8330	-1.2270	all free	all free	Global	Yes
105113	5.0000	0.8750	-1.2840	all free	all free	Global	Yes
105114	5.0000	0.0000	-1.0530	all free	all free	Global	Yes
105115	5.0000	-0.8750	-1.2840	all free	all free	Global	Yes
105116	5.0000	-1.8330	-1.2270	all free	all free	Global	Yes
105117	5.0000	-3.1670	-1.1470	all free	all free	Global	Yes
105118	5.0000	-4.6670	-1.0570	all free	all free	Global	Yes
105119	5.0000	-6.1670	-0.9670	all free	all free	Global	Yes
105120	5.0000	-7.6670	-0.8770	all free	all free	Global	Yes
105121	5.0000	-9.1670	-0.7870	all free	all free	Global	Yes
105122	5.0000	-10.3330	-0.7170	all free	all free	Global	Yes
105123	5.0000	-11.5000	-0.6470	all free	all free	Global	Yes
105124	5.0000	-12.6670	-0.5770	all free	all free	Global	Yes
105125	5.0000	-13.8330	-0.5070	all free	all free	Global	Yes
105126	5.0000	-15.0000	-0.4370	all free	all free	Global	Yes
105127	5.0000	-15.8330	-0.3960	all free	all free	Global	Yes
106101	6.0000	15.8330	-0.3960	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
106102	6.0000	15.0000	-0.4370	all free	all free	Global	Yes
106103	6.0000	13.8330	-0.5070	all free	all free	Global	Yes
106104	6.0000	12.6670	-0.5770	all free	all free	Global	Yes
106105	6.0000	11.5000	-0.6470	all free	all free	Global	Yes
106106	6.0000	10.3330	-0.7170	all free	all free	Global	Yes
106107	6.0000	9.1670	-0.7870	all free	all free	Global	Yes
106108	6.0000	7.6670	-0.8770	all free	all free	Global	Yes
106109	6.0000	6.1670	-0.9670	all free	all free	Global	Yes
106110	6.0000	4.6670	-1.0570	all free	all free	Global	Yes
106111	6.0000	3.1670	-1.1470	all free	all free	Global	Yes
106112	6.0000	1.8330	-1.2270	all free	all free	Global	Yes
106113	6.0000	0.8750	-1.2840	all free	all free	Global	Yes
106114	6.0000	0.0000	-1.0530	all free	all free	Global	Yes
106115	6.0000	-0.8750	-1.2840	all free	all free	Global	Yes
106116	6.0000	-1.8330	-1.2270	all free	all free	Global	Yes
106117	6.0000	-3.1670	-1.1470	all free	all free	Global	Yes
106118	6.0000	-4.6670	-1.0570	all free	all free	Global	Yes
106119	6.0000	-6.1670	-0.9670	all free	all free	Global	Yes
106120	6.0000	-7.6670	-0.8770	all free	all free	Global	Yes
106121	6.0000	-9.1670	-0.7870	all free	all free	Global	Yes
106122	6.0000	-10.3330	-0.7170	all free	all free	Global	Yes
106123	6.0000	-11.5000	-0.6470	all free	all free	Global	Yes
106124	6.0000	-12.6670	-0.5770	all free	all free	Global	Yes
106125	6.0000	-13.8330	-0.5070	all free	all free	Global	Yes
106126	6.0000	-15.0000	-0.4370	all free	all free	Global	Yes
106127	6.0000	-15.8330	-0.3960	all free	all free	Global	Yes
107101	7.0000	15.8330	-0.3960	all free	all free	Global	Yes
107102	7.0000	15.0000	-0.4370	all free	all free	Global	Yes
107103	7.0000	13.8330	-0.5070	all free	all free	Global	Yes
107104	7.0000	12.6670	-0.5770	all free	all free	Global	Yes
107105	7.0000	11.5000	-0.6470	all free	all free	Global	Yes
107106	7.0000	10.3330	-0.7170	all free	all free	Global	Yes
107107	7.0000	9.1670	-0.7870	all free	all free	Global	Yes
107108	7.0000	7.6670	-0.8770	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
107109	7.0000	6.1670	-0.9670	all free	all free	Global	Yes
107110	7.0000	4.6670	-1.0570	all free	all free	Global	Yes
107111	7.0000	3.1670	-1.1470	all free	all free	Global	Yes
107112	7.0000	1.8330	-1.2270	all free	all free	Global	Yes
107113	7.0000	0.8750	-1.2840	all free	all free	Global	Yes
107114	7.0000	0.0000	-1.0530	all free	all free	Global	Yes
107115	7.0000	-0.8750	-1.2840	all free	all free	Global	Yes
107116	7.0000	-1.8330	-1.2270	all free	all free	Global	Yes
107117	7.0000	-3.1670	-1.1470	all free	all free	Global	Yes
107118	7.0000	-4.6670	-1.0570	all free	all free	Global	Yes
107119	7.0000	-6.1670	-0.9670	all free	all free	Global	Yes
107120	7.0000	-7.6670	-0.8770	all free	all free	Global	Yes
107121	7.0000	-9.1670	-0.7870	all free	all free	Global	Yes
107122	7.0000	-10.3330	-0.7170	all free	all free	Global	Yes
107123	7.0000	-11.5000	-0.6470	all free	all free	Global	Yes
107124	7.0000	-12.6670	-0.5770	all free	all free	Global	Yes
107125	7.0000	-13.8330	-0.5070	all free	all free	Global	Yes
107126	7.0000	-15.0000	-0.4370	all free	all free	Global	Yes
107127	7.0000	-15.8330	-0.3960	all free	all free	Global	Yes
108101	8.0000	15.8330	-0.3960	all free	all free	Global	Yes
108102	8.0000	15.0000	-0.4370	all free	all free	Global	Yes
108103	8.0000	13.8330	-0.5070	all free	all free	Global	Yes
108104	8.0000	12.6670	-0.5770	all free	all free	Global	Yes
108105	8.0000	11.5000	-0.6470	all free	all free	Global	Yes
108106	8.0000	10.3330	-0.7170	all free	all free	Global	Yes
108107	8.0000	9.1670	-0.7870	all free	all free	Global	Yes
108108	8.0000	7.6670	-0.8770	all free	all free	Global	Yes
108109	8.0000	6.1670	-0.9670	all free	all free	Global	Yes
108110	8.0000	4.6670	-1.0570	all free	all free	Global	Yes
108111	8.0000	3.1670	-1.1470	all free	all free	Global	Yes
108112	8.0000	1.8330	-1.2270	all free	all free	Global	Yes
108113	8.0000	0.8750	-1.2840	all free	all free	Global	Yes
108114	8.0000	0.0000	-1.0530	all free	all free	Global	Yes
108115	8.0000	-0.8750	-1.2840	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
108116	8.0000	-1.8330	-1.2270	all free	all free	Global	Yes
108117	8.0000	-3.1670	-1.1470	all free	all free	Global	Yes
108118	8.0000	-4.6670	-1.0570	all free	all free	Global	Yes
108119	8.0000	-6.1670	-0.9670	all free	all free	Global	Yes
108120	8.0000	-7.6670	-0.8770	all free	all free	Global	Yes
108121	8.0000	-9.1670	-0.7870	all free	all free	Global	Yes
108122	8.0000	-10.3330	-0.7170	all free	all free	Global	Yes
108123	8.0000	-11.5000	-0.6470	all free	all free	Global	Yes
108124	8.0000	-12.6670	-0.5770	all free	all free	Global	Yes
108125	8.0000	-13.8330	-0.5070	all free	all free	Global	Yes
108126	8.0000	-15.0000	-0.4370	all free	all free	Global	Yes
108127	8.0000	-15.8330	-0.3960	all free	all free	Global	Yes
109101	9.0000	15.8330	-0.3960	all free	all free	Global	Yes
109102	9.0000	15.0000	-0.4370	all free	all free	Global	Yes
109103	9.0000	13.8330	-0.5070	all free	all free	Global	Yes
109104	9.0000	12.6670	-0.5770	all free	all free	Global	Yes
109105	9.0000	11.5000	-0.6470	all free	all free	Global	Yes
109106	9.0000	10.3330	-0.7170	all free	all free	Global	Yes
109107	9.0000	9.1670	-0.7870	all free	all free	Global	Yes
109108	9.0000	7.6670	-0.8770	all free	all free	Global	Yes
109109	9.0000	6.1670	-0.9670	all free	all free	Global	Yes
109110	9.0000	4.6670	-1.0570	all free	all free	Global	Yes
109111	9.0000	3.1670	-1.1470	all free	all free	Global	Yes
109112	9.0000	1.8330	-1.2270	all free	all free	Global	Yes
109113	9.0000	0.8750	-1.2840	all free	all free	Global	Yes
109114	9.0000	0.0000	-1.0530	all free	all free	Global	Yes
109115	9.0000	-0.8750	-1.2840	all free	all free	Global	Yes
109116	9.0000	-1.8330	-1.2270	all free	all free	Global	Yes
109117	9.0000	-3.1670	-1.1470	all free	all free	Global	Yes
109118	9.0000	-4.6670	-1.0570	all free	all free	Global	Yes
109119	9.0000	-6.1670	-0.9670	all free	all free	Global	Yes
109120	9.0000	-7.6670	-0.8770	all free	all free	Global	Yes
109121	9.0000	-9.1670	-0.7870	all free	all free	Global	Yes
109122	9.0000	-10.3330	-0.7170	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
109123	9.0000	-11.5000	-0.6470	all free	all free	Global	Yes
109124	9.0000	-12.6670	-0.5770	all free	all free	Global	Yes
109125	9.0000	-13.8330	-0.5070	all free	all free	Global	Yes
109126	9.0000	-15.0000	-0.4370	all free	all free	Global	Yes
109127	9.0000	-15.8330	-0.3960	all free	all free	Global	Yes
110101	10.0000	15.8330	-0.3960	all free	all free	Global	Yes
110102	10.0000	15.0000	-0.4370	all free	all free	Global	Yes
110103	10.0000	13.8330	-0.5070	all free	all free	Global	Yes
110104	10.0000	12.6670	-0.5770	all free	all free	Global	Yes
110105	10.0000	11.5000	-0.6470	all free	all free	Global	Yes
110106	10.0000	10.3330	-0.7170	all free	all free	Global	Yes
110107	10.0000	9.1670	-0.7870	all free	all free	Global	Yes
110108	10.0000	7.6670	-0.8770	all free	all free	Global	Yes
110109	10.0000	6.1670	-0.9670	all free	all free	Global	Yes
110110	10.0000	4.6670	-1.0570	all free	all free	Global	Yes
110111	10.0000	3.1670	-1.1470	all free	all free	Global	Yes
110112	10.0000	1.8330	-1.2270	all free	all free	Global	Yes
110113	10.0000	0.8750	-1.2840	all free	all free	Global	Yes
110114	10.0000	0.0000	-1.0530	all free	all free	Global	Yes
110115	10.0000	-0.8750	-1.2840	all free	all free	Global	Yes
110116	10.0000	-1.8330	-1.2270	all free	all free	Global	Yes
110117	10.0000	-3.1670	-1.1470	all free	all free	Global	Yes
110118	10.0000	-4.6670	-1.0570	all free	all free	Global	Yes
110119	10.0000	-6.1670	-0.9670	all free	all free	Global	Yes
110120	10.0000	-7.6670	-0.8770	all free	all free	Global	Yes
110121	10.0000	-9.1670	-0.7870	all free	all free	Global	Yes
110122	10.0000	-10.3330	-0.7170	all free	all free	Global	Yes
110123	10.0000	-11.5000	-0.6470	all free	all free	Global	Yes
110124	10.0000	-12.6670	-0.5770	all free	all free	Global	Yes
110125	10.0000	-13.8330	-0.5070	all free	all free	Global	Yes
110126	10.0000	-15.0000	-0.4370	all free	all free	Global	Yes
110127	10.0000	-15.8330	-0.3960	all free	all free	Global	Yes
111101	11.0000	15.8330	-0.3960	all free	all free	Global	Yes
111102	11.0000	15.0000	-0.4370	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
111103	11.0000	13.8330	-0.5070	all free	all free	Global	Yes
111104	11.0000	12.6670	-0.5770	all free	all free	Global	Yes
111105	11.0000	11.5000	-0.6470	all free	all free	Global	Yes
111106	11.0000	10.3330	-0.7170	all free	all free	Global	Yes
111107	11.0000	9.1670	-0.7870	all free	all free	Global	Yes
111108	11.0000	7.6670	-0.8770	all free	all free	Global	Yes
111109	11.0000	6.1670	-0.9670	all free	all free	Global	Yes
111110	11.0000	4.6670	-1.0570	all free	all free	Global	Yes
111111	11.0000	3.1670	-1.1470	all free	all free	Global	Yes
111112	11.0000	1.8330	-1.2270	all free	all free	Global	Yes
111113	11.0000	0.8750	-1.2840	all free	all free	Global	Yes
111114	11.0000	0.0000	-1.0530	all free	all free	Global	Yes
111115	11.0000	-0.8750	-1.2840	all free	all free	Global	Yes
111116	11.0000	-1.8330	-1.2270	all free	all free	Global	Yes
111117	11.0000	-3.1670	-1.1470	all free	all free	Global	Yes
111118	11.0000	-4.6670	-1.0570	all free	all free	Global	Yes
111119	11.0000	-6.1670	-0.9670	all free	all free	Global	Yes
111120	11.0000	-7.6670	-0.8770	all free	all free	Global	Yes
111121	11.0000	-9.1670	-0.7870	all free	all free	Global	Yes
111122	11.0000	-10.3330	-0.7170	all free	all free	Global	Yes
111123	11.0000	-11.5000	-0.6470	all free	all free	Global	Yes
111124	11.0000	-12.6670	-0.5770	all free	all free	Global	Yes
111125	11.0000	-13.8330	-0.5070	all free	all free	Global	Yes
111126	11.0000	-15.0000	-0.4370	all free	all free	Global	Yes
111127	11.0000	-15.8330	-0.3960	all free	all free	Global	Yes
112101	12.0000	15.8330	-0.3960	all free	all free	Global	Yes
112102	12.0000	15.0000	-0.4370	all free	all free	Global	Yes
112103	12.0000	13.8330	-0.5070	all free	all free	Global	Yes
112104	12.0000	12.6670	-0.5770	all free	all free	Global	Yes
112105	12.0000	11.5000	-0.6470	all free	all free	Global	Yes
112106	12.0000	10.3330	-0.7170	all free	all free	Global	Yes
112107	12.0000	9.1670	-0.7870	all free	all free	Global	Yes
112108	12.0000	7.6670	-0.8770	all free	all free	Global	Yes
112109	12.0000	6.1670	-0.9670	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
112110	12.0000	4.6670	-1.0570	all free	all free	Global	Yes
112111	12.0000	3.1670	-1.1470	all free	all free	Global	Yes
112112	12.0000	1.8330	-1.2270	all free	all free	Global	Yes
112113	12.0000	0.8750	-1.2840	all free	all free	Global	Yes
112114	12.0000	0.0000	-1.0530	all free	all free	Global	Yes
112115	12.0000	-0.8750	-1.2840	all free	all free	Global	Yes
112116	12.0000	-1.8330	-1.2270	all free	all free	Global	Yes
112117	12.0000	-3.1670	-1.1470	all free	all free	Global	Yes
112118	12.0000	-4.6670	-1.0570	all free	all free	Global	Yes
112119	12.0000	-6.1670	-0.9670	all free	all free	Global	Yes
112120	12.0000	-7.6670	-0.8770	all free	all free	Global	Yes
112121	12.0000	-9.1670	-0.7870	all free	all free	Global	Yes
112122	12.0000	-10.3330	-0.7170	all free	all free	Global	Yes
112123	12.0000	-11.5000	-0.6470	all free	all free	Global	Yes
112124	12.0000	-12.6670	-0.5770	all free	all free	Global	Yes
112125	12.0000	-13.8330	-0.5070	all free	all free	Global	Yes
112126	12.0000	-15.0000	-0.4370	all free	all free	Global	Yes
112127	12.0000	-15.8330	-0.3960	all free	all free	Global	Yes
113101	13.0000	15.8330	-0.3960	all free	all free	Global	Yes
113102	13.0000	15.0000	-0.4370	all free	all free	Global	Yes
113103	13.0000	13.8330	-0.5070	all free	all free	Global	Yes
113104	13.0000	12.6670	-0.5770	all free	all free	Global	Yes
113105	13.0000	11.5000	-0.6470	all free	all free	Global	Yes
113106	13.0000	10.3330	-0.7170	all free	all free	Global	Yes
113107	13.0000	9.1670	-0.7870	all free	all free	Global	Yes
113108	13.0000	7.6670	-0.8770	all free	all free	Global	Yes
113109	13.0000	6.1670	-0.9670	all free	all free	Global	Yes
113110	13.0000	4.6670	-1.0570	all free	all free	Global	Yes
113111	13.0000	3.1670	-1.1470	all free	all free	Global	Yes
113112	13.0000	1.8330	-1.2270	all free	all free	Global	Yes
113113	13.0000	0.8750	-1.2840	all free	all free	Global	Yes
113114	13.0000	0.0000	-1.0530	all free	all free	Global	Yes
113115	13.0000	-0.8750	-1.2840	all free	all free	Global	Yes
113116	13.0000	-1.8330	-1.2270	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
113117	13.0000	-3.1670	-1.1470	all free	all free	Global	Yes
113118	13.0000	-4.6670	-1.0570	all free	all free	Global	Yes
113119	13.0000	-6.1670	-0.9670	all free	all free	Global	Yes
113120	13.0000	-7.6670	-0.8770	all free	all free	Global	Yes
113121	13.0000	-9.1670	-0.7870	all free	all free	Global	Yes
113122	13.0000	-10.3330	-0.7170	all free	all free	Global	Yes
113123	13.0000	-11.5000	-0.6470	all free	all free	Global	Yes
113124	13.0000	-12.6670	-0.5770	all free	all free	Global	Yes
113125	13.0000	-13.8330	-0.5070	all free	all free	Global	Yes
113126	13.0000	-15.0000	-0.4370	all free	all free	Global	Yes
113127	13.0000	-15.8330	-0.3960	all free	all free	Global	Yes
114101	14.0000	15.8330	-0.3960	all free	all free	Global	Yes
114102	14.0000	15.0000	-0.4370	all free	all free	Global	Yes
114103	14.0000	13.8330	-0.5070	all free	all free	Global	Yes
114104	14.0000	12.6670	-0.5770	all free	all free	Global	Yes
114105	14.0000	11.5000	-0.6470	all free	all free	Global	Yes
114106	14.0000	10.3330	-0.7170	all free	all free	Global	Yes
114107	14.0000	9.1670	-0.7870	all free	all free	Global	Yes
114108	14.0000	7.6670	-0.8770	all free	all free	Global	Yes
114109	14.0000	6.1670	-0.9670	all free	all free	Global	Yes
114110	14.0000	4.6670	-1.0570	all free	all free	Global	Yes
114111	14.0000	3.1670	-1.1470	all free	all free	Global	Yes
114112	14.0000	1.8330	-1.2270	all free	all free	Global	Yes
114113	14.0000	0.8750	-1.2840	all free	all free	Global	Yes
114114	14.0000	0.0000	-1.0530	all free	all free	Global	Yes
114115	14.0000	-0.8750	-1.2840	all free	all free	Global	Yes
114116	14.0000	-1.8330	-1.2270	all free	all free	Global	Yes
114117	14.0000	-3.1670	-1.1470	all free	all free	Global	Yes
114118	14.0000	-4.6670	-1.0570	all free	all free	Global	Yes
114119	14.0000	-6.1670	-0.9670	all free	all free	Global	Yes
114120	14.0000	-7.6670	-0.8770	all free	all free	Global	Yes
114121	14.0000	-9.1670	-0.7870	all free	all free	Global	Yes
114122	14.0000	-10.3330	-0.7170	all free	all free	Global	Yes
114123	14.0000	-11.5000	-0.6470	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
114124	14.0000	-12.6670	-0.5770	all free	all free	Global	Yes
114125	14.0000	-13.8330	-0.5070	all free	all free	Global	Yes
114126	14.0000	-15.0000	-0.4370	all free	all free	Global	Yes
114127	14.0000	-15.8330	-0.3960	all free	all free	Global	Yes
115101	15.0000	15.8330	-0.3960	all free	all free	Global	Yes
115102	15.0000	15.0000	-0.4370	all free	all free	Global	Yes
115103	15.0000	13.8330	-0.5070	all free	all free	Global	Yes
115104	15.0000	12.6670	-0.5770	all free	all free	Global	Yes
115105	15.0000	11.5000	-0.6470	all free	all free	Global	Yes
115106	15.0000	10.3330	-0.7170	all free	all free	Global	Yes
115107	15.0000	9.1670	-0.7870	all free	all free	Global	Yes
115108	15.0000	7.6670	-0.8770	all free	all free	Global	Yes
115109	15.0000	6.1670	-0.9670	all free	all free	Global	Yes
115110	15.0000	4.6670	-1.0570	all free	all free	Global	Yes
115111	15.0000	3.1670	-1.1470	all free	all free	Global	Yes
115112	15.0000	1.8330	-1.2270	all free	all free	Global	Yes
115113	15.0000	0.8750	-1.2840	all free	all free	Global	Yes
115114	15.0000	0.0000	-1.0530	all free	all free	Global	Yes
115115	15.0000	-0.8750	-1.2840	all free	all free	Global	Yes
115116	15.0000	-1.8330	-1.2270	all free	all free	Global	Yes
115117	15.0000	-3.1670	-1.1470	all free	all free	Global	Yes
115118	15.0000	-4.6670	-1.0570	all free	all free	Global	Yes
115119	15.0000	-6.1670	-0.9670	all free	all free	Global	Yes
115120	15.0000	-7.6670	-0.8770	all free	all free	Global	Yes
115121	15.0000	-9.1670	-0.7870	all free	all free	Global	Yes
115122	15.0000	-10.3330	-0.7170	all free	all free	Global	Yes
115123	15.0000	-11.5000	-0.6470	all free	all free	Global	Yes
115124	15.0000	-12.6670	-0.5770	all free	all free	Global	Yes
115125	15.0000	-13.8330	-0.5070	all free	all free	Global	Yes
115126	15.0000	-15.0000	-0.4370	all free	all free	Global	Yes
115127	15.0000	-15.8330	-0.3960	all free	all free	Global	Yes
116101	16.0000	15.8330	-0.3960	all free	all free	Global	Yes
116102	16.0000	15.0000	-0.4370	all free	all free	Global	Yes
116103	16.0000	13.8330	-0.5070	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
116104	16.0000	12.6670	-0.5770	all free	all free	Global	Yes
116105	16.0000	11.5000	-0.6470	all free	all free	Global	Yes
116106	16.0000	10.3330	-0.7170	all free	all free	Global	Yes
116107	16.0000	9.1670	-0.7870	all free	all free	Global	Yes
116108	16.0000	7.6670	-0.8770	all free	all free	Global	Yes
116109	16.0000	6.1670	-0.9670	all free	all free	Global	Yes
116110	16.0000	4.6670	-1.0570	all free	all free	Global	Yes
116111	16.0000	3.1670	-1.1470	all free	all free	Global	Yes
116112	16.0000	1.8330	-1.2270	all free	all free	Global	Yes
116113	16.0000	0.8750	-1.2840	all free	all free	Global	Yes
116114	16.0000	0.0000	-1.0530	all free	all free	Global	Yes
116115	16.0000	-0.8750	-1.2840	all free	all free	Global	Yes
116116	16.0000	-1.8330	-1.2270	all free	all free	Global	Yes
116117	16.0000	-3.1670	-1.1470	all free	all free	Global	Yes
116118	16.0000	-4.6670	-1.0570	all free	all free	Global	Yes
116119	16.0000	-6.1670	-0.9670	all free	all free	Global	Yes
116120	16.0000	-7.6670	-0.8770	all free	all free	Global	Yes
116121	16.0000	-9.1670	-0.7870	all free	all free	Global	Yes
116122	16.0000	-10.3330	-0.7170	all free	all free	Global	Yes
116123	16.0000	-11.5000	-0.6470	all free	all free	Global	Yes
116124	16.0000	-12.6670	-0.5770	all free	all free	Global	Yes
116125	16.0000	-13.8330	-0.5070	all free	all free	Global	Yes
116126	16.0000	-15.0000	-0.4370	all free	all free	Global	Yes
116127	16.0000	-15.8330	-0.3960	all free	all free	Global	Yes
117101	17.0000	15.8330	-0.3960	all free	all free	Global	Yes
117102	17.0000	15.0000	-0.4370	all free	all free	Global	Yes
117103	17.0000	13.8330	-0.5070	all free	all free	Global	Yes
117104	17.0000	12.6670	-0.5770	all free	all free	Global	Yes
117105	17.0000	11.5000	-0.6470	all free	all free	Global	Yes
117106	17.0000	10.3330	-0.7170	all free	all free	Global	Yes
117107	17.0000	9.1670	-0.7870	all free	all free	Global	Yes
117108	17.0000	7.6670	-0.8770	all free	all free	Global	Yes
117109	17.0000	6.1670	-0.9670	all free	all free	Global	Yes
117110	17.0000	4.6670	-1.0570	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
117111	17.0000	3.1670	-1.1470	all free	all free	Global	Yes
117112	17.0000	1.8330	-1.2270	all free	all free	Global	Yes
117113	17.0000	0.8750	-1.2840	all free	all free	Global	Yes
117114	17.0000	0.0000	-1.0530	all free	all free	Global	Yes
117115	17.0000	-0.8750	-1.2840	all free	all free	Global	Yes
117116	17.0000	-1.8330	-1.2270	all free	all free	Global	Yes
117117	17.0000	-3.1670	-1.1470	all free	all free	Global	Yes
117118	17.0000	-4.6670	-1.0570	all free	all free	Global	Yes
117119	17.0000	-6.1670	-0.9670	all free	all free	Global	Yes
117120	17.0000	-7.6670	-0.8770	all free	all free	Global	Yes
117121	17.0000	-9.1670	-0.7870	all free	all free	Global	Yes
117122	17.0000	-10.3330	-0.7170	all free	all free	Global	Yes
117123	17.0000	-11.5000	-0.6470	all free	all free	Global	Yes
117124	17.0000	-12.6670	-0.5770	all free	all free	Global	Yes
117125	17.0000	-13.8330	-0.5070	all free	all free	Global	Yes
117126	17.0000	-15.0000	-0.4370	all free	all free	Global	Yes
117127	17.0000	-15.8330	-0.3960	all free	all free	Global	Yes
118101	18.0000	15.8330	-0.3960	all free	all free	Global	Yes
118102	18.0000	15.0000	-0.4370	all free	all free	Global	Yes
118103	18.0000	13.8330	-0.5070	all free	all free	Global	Yes
118104	18.0000	12.6670	-0.5770	all free	all free	Global	Yes
118105	18.0000	11.5000	-0.6470	all free	all free	Global	Yes
118106	18.0000	10.3330	-0.7170	all free	all free	Global	Yes
118107	18.0000	9.1670	-0.7870	all free	all free	Global	Yes
118108	18.0000	7.6670	-0.8770	all free	all free	Global	Yes
118109	18.0000	6.1670	-0.9670	all free	all free	Global	Yes
118110	18.0000	4.6670	-1.0570	all free	all free	Global	Yes
118111	18.0000	3.1670	-1.1470	all free	all free	Global	Yes
118112	18.0000	1.8330	-1.2270	all free	all free	Global	Yes
118113	18.0000	0.8750	-1.2840	all free	all free	Global	Yes
118114	18.0000	0.0000	-1.0530	all free	all free	Global	Yes
118115	18.0000	-0.8750	-1.2840	all free	all free	Global	Yes
118116	18.0000	-1.8330	-1.2270	all free	all free	Global	Yes
118117	18.0000	-3.1670	-1.1470	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
118118	18.0000	-4.6670	-1.0570	all free	all free	Global	Yes
118119	18.0000	-6.1670	-0.9670	all free	all free	Global	Yes
118120	18.0000	-7.6670	-0.8770	all free	all free	Global	Yes
118121	18.0000	-9.1670	-0.7870	all free	all free	Global	Yes
118122	18.0000	-10.3330	-0.7170	all free	all free	Global	Yes
118123	18.0000	-11.5000	-0.6470	all free	all free	Global	Yes
118124	18.0000	-12.6670	-0.5770	all free	all free	Global	Yes
118125	18.0000	-13.8330	-0.5070	all free	all free	Global	Yes
118126	18.0000	-15.0000	-0.4370	all free	all free	Global	Yes
118127	18.0000	-15.8330	-0.3960	all free	all free	Global	Yes
119101	19.0000	15.8330	-0.3960	all free	all free	Global	Yes
119102	19.0000	15.0000	-0.4370	all free	all free	Global	Yes
119103	19.0000	13.8330	-0.5070	all free	all free	Global	Yes
119104	19.0000	12.6670	-0.5770	all free	all free	Global	Yes
119105	19.0000	11.5000	-0.6470	all free	all free	Global	Yes
119106	19.0000	10.3330	-0.7170	all free	all free	Global	Yes
119107	19.0000	9.1670	-0.7870	all free	all free	Global	Yes
119108	19.0000	7.6670	-0.8770	all free	all free	Global	Yes
119109	19.0000	6.1670	-0.9670	all free	all free	Global	Yes
119110	19.0000	4.6670	-1.0570	all free	all free	Global	Yes
119111	19.0000	3.1670	-1.1470	all free	all free	Global	Yes
119112	19.0000	1.8330	-1.2270	all free	all free	Global	Yes
119113	19.0000	0.8750	-1.2840	all free	all free	Global	Yes
119114	19.0000	0.0000	-1.0530	all free	all free	Global	Yes
119115	19.0000	-0.8750	-1.2840	all free	all free	Global	Yes
119116	19.0000	-1.8330	-1.2270	all free	all free	Global	Yes
119117	19.0000	-3.1670	-1.1470	all free	all free	Global	Yes
119118	19.0000	-4.6670	-1.0570	all free	all free	Global	Yes
119119	19.0000	-6.1670	-0.9670	all free	all free	Global	Yes
119120	19.0000	-7.6670	-0.8770	all free	all free	Global	Yes
119121	19.0000	-9.1670	-0.7870	all free	all free	Global	Yes
119122	19.0000	-10.3330	-0.7170	all free	all free	Global	Yes
119123	19.0000	-11.5000	-0.6470	all free	all free	Global	Yes
119124	19.0000	-12.6670	-0.5770	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
119125	19.0000	-13.8330	-0.5070	all free	all free	Global	Yes
119126	19.0000	-15.0000	-0.4370	all free	all free	Global	Yes
119127	19.0000	-15.8330	-0.3960	all free	all free	Global	Yes
120101	20.0000	15.8330	-0.3960	all free	all free	Global	Yes
120102	20.0000	15.0000	-0.4370	all free	all free	Global	Yes
120103	20.0000	13.8330	-0.5070	all free	all free	Global	Yes
120104	20.0000	12.6670	-0.5770	all free	all free	Global	Yes
120105	20.0000	11.5000	-0.6470	all free	all free	Global	Yes
120106	20.0000	10.3330	-0.7170	all free	all free	Global	Yes
120107	20.0000	9.1670	-0.7870	all free	all free	Global	Yes
120108	20.0000	7.6670	-0.8770	all free	all free	Global	Yes
120109	20.0000	6.1670	-0.9670	all free	all free	Global	Yes
120110	20.0000	4.6670	-1.0570	all free	all free	Global	Yes
120111	20.0000	3.1670	-1.1470	all free	all free	Global	Yes
120112	20.0000	1.8330	-1.2270	all free	all free	Global	Yes
120113	20.0000	0.8750	-1.2840	all free	all free	Global	Yes
120114	20.0000	0.0000	-1.0530	all free	all free	Global	Yes
120115	20.0000	-0.8750	-1.2840	all free	all free	Global	Yes
120116	20.0000	-1.8330	-1.2270	all free	all free	Global	Yes
120117	20.0000	-3.1670	-1.1470	all free	all free	Global	Yes
120118	20.0000	-4.6670	-1.0570	all free	all free	Global	Yes
120119	20.0000	-6.1670	-0.9670	all free	all free	Global	Yes
120120	20.0000	-7.6670	-0.8770	all free	all free	Global	Yes
120121	20.0000	-9.1670	-0.7870	all free	all free	Global	Yes
120122	20.0000	-10.3330	-0.7170	all free	all free	Global	Yes
120123	20.0000	-11.5000	-0.6470	all free	all free	Global	Yes
120124	20.0000	-12.6670	-0.5770	all free	all free	Global	Yes
120125	20.0000	-13.8330	-0.5070	all free	all free	Global	Yes
120126	20.0000	-15.0000	-0.4370	all free	all free	Global	Yes
120127	20.0000	-15.8330	-0.3960	all free	all free	Global	Yes
121101	21.0000	15.8330	-0.3960	all free	all free	Global	Yes
121102	21.0000	15.0000	-0.4370	all free	all free	Global	Yes
121103	21.0000	13.8330	-0.5070	all free	all free	Global	Yes
121104	21.0000	12.6670	-0.5770	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
121105	21.0000	11.5000	-0.6470	all free	all free	Global	Yes
121106	21.0000	10.3330	-0.7170	all free	all free	Global	Yes
121107	21.0000	9.1670	-0.7870	all free	all free	Global	Yes
121108	21.0000	7.6670	-0.8770	all free	all free	Global	Yes
121109	21.0000	6.1670	-0.9670	all free	all free	Global	Yes
121110	21.0000	4.6670	-1.0570	all free	all free	Global	Yes
121111	21.0000	3.1670	-1.1470	all free	all free	Global	Yes
121112	21.0000	1.8330	-1.2270	all free	all free	Global	Yes
121113	21.0000	0.8750	-1.2840	all free	all free	Global	Yes
121114	21.0000	0.0000	-1.0530	all free	all free	Global	Yes
121115	21.0000	-0.8750	-1.2840	all free	all free	Global	Yes
121116	21.0000	-1.8330	-1.2270	all free	all free	Global	Yes
121117	21.0000	-3.1670	-1.1470	all free	all free	Global	Yes
121118	21.0000	-4.6670	-1.0570	all free	all free	Global	Yes
121119	21.0000	-6.1670	-0.9670	all free	all free	Global	Yes
121120	21.0000	-7.6670	-0.8770	all free	all free	Global	Yes
121121	21.0000	-9.1670	-0.7870	all free	all free	Global	Yes
121122	21.0000	-10.3330	-0.7170	all free	all free	Global	Yes
121123	21.0000	-11.5000	-0.6470	all free	all free	Global	Yes
121124	21.0000	-12.6670	-0.5770	all free	all free	Global	Yes
121125	21.0000	-13.8330	-0.5070	all free	all free	Global	Yes
121126	21.0000	-15.0000	-0.4370	all free	all free	Global	Yes
121127	21.0000	-15.8330	-0.3960	all free	all free	Global	Yes
122101	22.0000	15.8330	-0.3960	all free	all free	Global	Yes
122102	22.0000	15.0000	-0.4370	all free	all free	Global	Yes
122103	22.0000	13.8330	-0.5070	all free	all free	Global	Yes
122104	22.0000	12.6670	-0.5770	all free	all free	Global	Yes
122105	22.0000	11.5000	-0.6470	all free	all free	Global	Yes
122106	22.0000	10.3330	-0.7170	all free	all free	Global	Yes
122107	22.0000	9.1670	-0.7870	all free	all free	Global	Yes
122108	22.0000	7.6670	-0.8770	all free	all free	Global	Yes
122109	22.0000	6.1670	-0.9670	all free	all free	Global	Yes
122110	22.0000	4.6670	-1.0570	all free	all free	Global	Yes
122111	22.0000	3.1670	-1.1470	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
122112	22.0000	1.8330	-1.2270	all free	all free	Global	Yes
122113	22.0000	0.8750	-1.2840	all free	all free	Global	Yes
122114	22.0000	0.0000	-1.0530	all free	all free	Global	Yes
122115	22.0000	-0.8750	-1.2840	all free	all free	Global	Yes
122116	22.0000	-1.8330	-1.2270	all free	all free	Global	Yes
122117	22.0000	-3.1670	-1.1470	all free	all free	Global	Yes
122118	22.0000	-4.6670	-1.0570	all free	all free	Global	Yes
122119	22.0000	-6.1670	-0.9670	all free	all free	Global	Yes
122120	22.0000	-7.6670	-0.8770	all free	all free	Global	Yes
122121	22.0000	-9.1670	-0.7870	all free	all free	Global	Yes
122122	22.0000	-10.3330	-0.7170	all free	all free	Global	Yes
122123	22.0000	-11.5000	-0.6470	all free	all free	Global	Yes
122124	22.0000	-12.6670	-0.5770	all free	all free	Global	Yes
122125	22.0000	-13.8330	-0.5070	all free	all free	Global	Yes
122126	22.0000	-15.0000	-0.4370	all free	all free	Global	Yes
122127	22.0000	-15.8330	-0.3960	all free	all free	Global	Yes
123101	23.0000	15.8330	-0.3960	all free	all free	Global	Yes
123102	23.0000	15.0000	-0.4370	all free	all free	Global	Yes
123103	23.0000	13.8330	-0.5070	all free	all free	Global	Yes
123104	23.0000	12.6670	-0.5770	all free	all free	Global	Yes
123105	23.0000	11.5000	-0.6470	all free	all free	Global	Yes
123106	23.0000	10.3330	-0.7170	all free	all free	Global	Yes
123107	23.0000	9.1670	-0.7870	all free	all free	Global	Yes
123108	23.0000	7.6670	-0.8770	all free	all free	Global	Yes
123109	23.0000	6.1670	-0.9670	all free	all free	Global	Yes
123110	23.0000	4.6670	-1.0570	all free	all free	Global	Yes
123111	23.0000	3.1670	-1.1470	all free	all free	Global	Yes
123112	23.0000	1.8330	-1.2270	all free	all free	Global	Yes
123113	23.0000	0.8750	-1.2840	all free	all free	Global	Yes
123114	23.0000	0.0000	-1.0530	all free	all free	Global	Yes
123115	23.0000	-0.8750	-1.2840	all free	all free	Global	Yes
123116	23.0000	-1.8330	-1.2270	all free	all free	Global	Yes
123117	23.0000	-3.1670	-1.1470	all free	all free	Global	Yes
123118	23.0000	-4.6670	-1.0570	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
123119	23.0000	-6.1670	-0.9670	all free	all free	Global	Yes
123120	23.0000	-7.6670	-0.8770	all free	all free	Global	Yes
123121	23.0000	-9.1670	-0.7870	all free	all free	Global	Yes
123122	23.0000	-10.3330	-0.7170	all free	all free	Global	Yes
123123	23.0000	-11.5000	-0.6470	all free	all free	Global	Yes
123124	23.0000	-12.6670	-0.5770	all free	all free	Global	Yes
123125	23.0000	-13.8330	-0.5070	all free	all free	Global	Yes
123126	23.0000	-15.0000	-0.4370	all free	all free	Global	Yes
123127	23.0000	-15.8330	-0.3960	all free	all free	Global	Yes
124101	24.0000	15.8330	-0.3960	all free	all free	Global	Yes
124102	24.0000	15.0000	-0.4370	all free	all free	Global	Yes
124103	24.0000	13.8330	-0.5070	all free	all free	Global	Yes
124104	24.0000	12.6670	-0.5770	all free	all free	Global	Yes
124105	24.0000	11.5000	-0.6470	all free	all free	Global	Yes
124106	24.0000	10.3330	-0.7170	all free	all free	Global	Yes
124107	24.0000	9.1670	-0.7870	all free	all free	Global	Yes
124108	24.0000	7.6670	-0.8770	all free	all free	Global	Yes
124109	24.0000	6.1670	-0.9670	all free	all free	Global	Yes
124110	24.0000	4.6670	-1.0570	all free	all free	Global	Yes
124111	24.0000	3.1670	-1.1470	all free	all free	Global	Yes
124112	24.0000	1.8330	-1.2270	all free	all free	Global	Yes
124113	24.0000	0.8750	-1.2840	all free	all free	Global	Yes
124114	24.0000	0.0000	-1.0530	all free	all free	Global	Yes
124115	24.0000	-0.8750	-1.2840	all free	all free	Global	Yes
124116	24.0000	-1.8330	-1.2270	all free	all free	Global	Yes
124117	24.0000	-3.1670	-1.1470	all free	all free	Global	Yes
124118	24.0000	-4.6670	-1.0570	all free	all free	Global	Yes
124119	24.0000	-6.1670	-0.9670	all free	all free	Global	Yes
124120	24.0000	-7.6670	-0.8770	all free	all free	Global	Yes
124121	24.0000	-9.1670	-0.7870	all free	all free	Global	Yes
124122	24.0000	-10.3330	-0.7170	all free	all free	Global	Yes
124123	24.0000	-11.5000	-0.6470	all free	all free	Global	Yes
124124	24.0000	-12.6670	-0.5770	all free	all free	Global	Yes
124125	24.0000	-13.8330	-0.5070	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
124126	24.0000	-15.0000	-0.4370	all free	all free	Global	Yes
124127	24.0000	-15.8330	-0.3960	all free	all free	Global	Yes
125101	25.0000	15.8330	-0.3960	all free	all free	Global	Yes
125102	25.0000	15.0000	-0.4370	all free	all free	Global	Yes
125103	25.0000	13.8330	-0.5070	all free	all free	Global	Yes
125104	25.0000	12.6670	-0.5770	all free	all free	Global	Yes
125105	25.0000	11.5000	-0.6470	all free	all free	Global	Yes
125106	25.0000	10.3330	-0.7170	all free	all free	Global	Yes
125107	25.0000	9.1670	-0.7870	all free	all free	Global	Yes
125108	25.0000	7.6670	-0.8770	all free	all free	Global	Yes
125109	25.0000	6.1670	-0.9670	all free	all free	Global	Yes
125110	25.0000	4.6670	-1.0570	all free	all free	Global	Yes
125111	25.0000	3.1670	-1.1470	all free	all free	Global	Yes
125112	25.0000	1.8330	-1.2270	all free	all free	Global	Yes
125113	25.0000	0.8750	-1.2840	all free	all free	Global	Yes
125114	25.0000	0.0000	-1.0530	all free	all free	Global	Yes
125115	25.0000	-0.8750	-1.2840	all free	all free	Global	Yes
125116	25.0000	-1.8330	-1.2270	all free	all free	Global	Yes
125117	25.0000	-3.1670	-1.1470	all free	all free	Global	Yes
125118	25.0000	-4.6670	-1.0570	all free	all free	Global	Yes
125119	25.0000	-6.1670	-0.9670	all free	all free	Global	Yes
125120	25.0000	-7.6670	-0.8770	all free	all free	Global	Yes
125121	25.0000	-9.1670	-0.7870	all free	all free	Global	Yes
125122	25.0000	-10.3330	-0.7170	all free	all free	Global	Yes
125123	25.0000	-11.5000	-0.6470	all free	all free	Global	Yes
125124	25.0000	-12.6670	-0.5770	all free	all free	Global	Yes
125125	25.0000	-13.8330	-0.5070	all free	all free	Global	Yes
125126	25.0000	-15.0000	-0.4370	all free	all free	Global	Yes
125127	25.0000	-15.8330	-0.3960	all free	all free	Global	Yes
126101	26.0000	15.8330	-0.3960	all free	all free	Global	Yes
126102	26.0000	15.0000	-0.4370	all free	all free	Global	Yes
126103	26.0000	13.8330	-0.5070	all free	all free	Global	Yes
126104	26.0000	12.6670	-0.5770	all free	all free	Global	Yes
126105	26.0000	11.5000	-0.6470	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
126106	26.0000	10.3330	-0.7170	all free	all free	Global	Yes
126107	26.0000	9.1670	-0.7870	all free	all free	Global	Yes
126108	26.0000	7.6670	-0.8770	all free	all free	Global	Yes
126109	26.0000	6.1670	-0.9670	all free	all free	Global	Yes
126110	26.0000	4.6670	-1.0570	all free	all free	Global	Yes
126111	26.0000	3.1670	-1.1470	all free	all free	Global	Yes
126112	26.0000	1.8330	-1.2270	all free	all free	Global	Yes
126113	26.0000	0.8750	-1.2840	all free	all free	Global	Yes
126114	26.0000	0.0000	-1.0530	all free	all free	Global	Yes
126115	26.0000	-0.8750	-1.2840	all free	all free	Global	Yes
126116	26.0000	-1.8330	-1.2270	all free	all free	Global	Yes
126117	26.0000	-3.1670	-1.1470	all free	all free	Global	Yes
126118	26.0000	-4.6670	-1.0570	all free	all free	Global	Yes
126119	26.0000	-6.1670	-0.9670	all free	all free	Global	Yes
126120	26.0000	-7.6670	-0.8770	all free	all free	Global	Yes
126121	26.0000	-9.1670	-0.7870	all free	all free	Global	Yes
126122	26.0000	-10.3330	-0.7170	all free	all free	Global	Yes
126123	26.0000	-11.5000	-0.6470	all free	all free	Global	Yes
126124	26.0000	-12.6670	-0.5770	all free	all free	Global	Yes
126125	26.0000	-13.8330	-0.5070	all free	all free	Global	Yes
126126	26.0000	-15.0000	-0.4370	all free	all free	Global	Yes
126127	26.0000	-15.8330	-0.3960	all free	all free	Global	Yes
127101	27.0000	15.8330	-0.3960	all free	all free	Global	Yes
127102	27.0000	15.0000	-0.4370	all free	all free	Global	Yes
127103	27.0000	13.8330	-0.5070	all free	all free	Global	Yes
127104	27.0000	12.6670	-0.5770	all free	all free	Global	Yes
127105	27.0000	11.5000	-0.6470	all free	all free	Global	Yes
127106	27.0000	10.3330	-0.7170	all free	all free	Global	Yes
127107	27.0000	9.1670	-0.7870	all free	all free	Global	Yes
127108	27.0000	7.6670	-0.8770	all free	all free	Global	Yes
127109	27.0000	6.1670	-0.9670	all free	all free	Global	Yes
127110	27.0000	4.6670	-1.0570	all free	all free	Global	Yes
127111	27.0000	3.1670	-1.1470	all free	all free	Global	Yes
127112	27.0000	1.8330	-1.2270	all free	all free	Global	Yes

INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
127113	27.0000	0.8750	-1.2840	all free	all free	Global	Yes
127114	27.0000	0.0000	-1.0530	all free	all free	Global	Yes
127115	27.0000	-0.8750	-1.2840	all free	all free	Global	Yes
127116	27.0000	-1.8330	-1.2270	all free	all free	Global	Yes
127117	27.0000	-3.1670	-1.1470	all free	all free	Global	Yes
127118	27.0000	-4.6670	-1.0570	all free	all free	Global	Yes
127119	27.0000	-6.1670	-0.9670	all free	all free	Global	Yes
127120	27.0000	-7.6670	-0.8770	all free	all free	Global	Yes
127121	27.0000	-9.1670	-0.7870	all free	all free	Global	Yes
127122	27.0000	-10.3330	-0.7170	all free	all free	Global	Yes
127123	27.0000	-11.5000	-0.6470	all free	all free	Global	Yes
127124	27.0000	-12.6670	-0.5770	all free	all free	Global	Yes
127125	27.0000	-13.8330	-0.5070	all free	all free	Global	Yes
127126	27.0000	-15.0000	-0.4370	all free	all free	Global	Yes
127127	27.0000	-15.8330	-0.3960	all free	all free	Global	Yes
128101	28.0000	15.8330	-0.3960	all free	all free	Global	Yes
128102	28.0000	15.0000	-0.4370	all free	all free	Global	Yes
128103	28.0000	13.8330	-0.5070	all free	all free	Global	Yes
128104	28.0000	12.6670	-0.5770	all free	all free	Global	Yes
128105	28.0000	11.5000	-0.6470	all free	all free	Global	Yes
128106	28.0000	10.3330	-0.7170	all free	all free	Global	Yes
128107	28.0000	9.1670	-0.7870	all free	all free	Global	Yes
128108	28.0000	7.6670	-0.8770	all free	all free	Global	Yes
128109	28.0000	6.1670	-0.9670	all free	all free	Global	Yes
128110	28.0000	4.6670	-1.0570	all free	all free	Global	Yes
128111	28.0000	3.1670	-1.1470	all free	all free	Global	Yes
128112	28.0000	1.8330	-1.2270	all free	all free	Global	Yes
128113	28.0000	0.8750	-1.2840	all free	all free	Global	Yes
128114	28.0000	0.0000	-1.0530	all free	all free	Global	Yes
128115	28.0000	-0.8750	-1.2840	all free	all free	Global	Yes
128116	28.0000	-1.8330	-1.2270	all free	all free	Global	Yes
128117	28.0000	-3.1670	-1.1470	all free	all free	Global	Yes
128118	28.0000	-4.6670	-1.0570	all free	all free	Global	Yes
128119	28.0000	-6.1670	-0.9670	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
128120	28.0000	-7.6670	-0.8770	all free	all free	Global	Yes
128121	28.0000	-9.1670	-0.7870	all free	all free	Global	Yes
128122	28.0000	-10.3330	-0.7170	all free	all free	Global	Yes
128123	28.0000	-11.5000	-0.6470	all free	all free	Global	Yes
128124	28.0000	-12.6670	-0.5770	all free	all free	Global	Yes
128125	28.0000	-13.8330	-0.5070	all free	all free	Global	Yes
128126	28.0000	-15.0000	-0.4370	all free	all free	Global	Yes
128127	28.0000	-15.8330	-0.3960	all free	all free	Global	Yes
129101	29.0000	15.8330	-0.3960	all free	all free	Global	Yes
129102	29.0000	15.0000	-0.4370	all free	all free	Global	Yes
129103	29.0000	13.8330	-0.5070	all free	all free	Global	Yes
129104	29.0000	12.6670	-0.5770	all free	all free	Global	Yes
129105	29.0000	11.5000	-0.6470	all free	all free	Global	Yes
129106	29.0000	10.3330	-0.7170	all free	all free	Global	Yes
129107	29.0000	9.1670	-0.7870	all free	all free	Global	Yes
129108	29.0000	7.6670	-0.8770	all free	all free	Global	Yes
129109	29.0000	6.1670	-0.9670	all free	all free	Global	Yes
129110	29.0000	4.6670	-1.0570	all free	all free	Global	Yes
129111	29.0000	3.1670	-1.1470	all free	all free	Global	Yes
129112	29.0000	1.8330	-1.2270	all free	all free	Global	Yes
129113	29.0000	0.8750	-1.2840	all free	all free	Global	Yes
129114	29.0000	0.0000	-1.0530	all free	all free	Global	Yes
129115	29.0000	-0.8750	-1.2840	all free	all free	Global	Yes
129116	29.0000	-1.8330	-1.2270	all free	all free	Global	Yes
129117	29.0000	-3.1670	-1.1470	all free	all free	Global	Yes
129118	29.0000	-4.6670	-1.0570	all free	all free	Global	Yes
129119	29.0000	-6.1670	-0.9670	all free	all free	Global	Yes
129120	29.0000	-7.6670	-0.8770	all free	all free	Global	Yes
129121	29.0000	-9.1670	-0.7870	all free	all free	Global	Yes
129122	29.0000	-10.3330	-0.7170	all free	all free	Global	Yes
129123	29.0000	-11.5000	-0.6470	all free	all free	Global	Yes
129124	29.0000	-12.6670	-0.5770	all free	all free	Global	Yes
129125	29.0000	-13.8330	-0.5070	all free	all free	Global	Yes
129126	29.0000	-15.0000	-0.4370	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
129127	29.0000	-15.8330	-0.3960	all free	all free	Global	Yes
130101	30.0000	15.8330	-0.3960	all free	all free	Global	Yes
130102	30.0000	15.0000	-0.4370	all free	all free	Global	Yes
130103	30.0000	13.8330	-0.5070	all free	all free	Global	Yes
130104	30.0000	12.6670	-0.5770	all free	all free	Global	Yes
130105	30.0000	11.5000	-0.6470	all free	all free	Global	Yes
130106	30.0000	10.3330	-0.7170	all free	all free	Global	Yes
130107	30.0000	9.1670	-0.7870	all free	all free	Global	Yes
130108	30.0000	7.6670	-0.8770	all free	all free	Global	Yes
130109	30.0000	6.1670	-0.9670	all free	all free	Global	Yes
130110	30.0000	4.6670	-1.0570	all free	all free	Global	Yes
130111	30.0000	3.1670	-1.1470	all free	all free	Global	Yes
130112	30.0000	1.8330	-1.2270	all free	all free	Global	Yes
130113	30.0000	0.8750	-1.2840	all free	all free	Global	Yes
130114	30.0000	0.0000	-1.0530	all free	all free	Global	Yes
130115	30.0000	-0.8750	-1.2840	all free	all free	Global	Yes
130116	30.0000	-1.8330	-1.2270	all free	all free	Global	Yes
130117	30.0000	-3.1670	-1.1470	all free	all free	Global	Yes
130118	30.0000	-4.6670	-1.0570	all free	all free	Global	Yes
130119	30.0000	-6.1670	-0.9670	all free	all free	Global	Yes
130120	30.0000	-7.6670	-0.8770	all free	all free	Global	Yes
130121	30.0000	-9.1670	-0.7870	all free	all free	Global	Yes
130122	30.0000	-10.3330	-0.7170	all free	all free	Global	Yes
130123	30.0000	-11.5000	-0.6470	all free	all free	Global	Yes
130124	30.0000	-12.6670	-0.5770	all free	all free	Global	Yes
130125	30.0000	-13.8330	-0.5070	all free	all free	Global	Yes
130126	30.0000	-15.0000	-0.4370	all free	all free	Global	Yes
130127	30.0000	-15.8330	-0.3960	all free	all free	Global	Yes
131101	31.0000	15.8330	-0.3960	all free	all free	Global	Yes
131102	31.0000	15.0000	-0.4370	all free	all free	Global	Yes
131103	31.0000	13.8330	-0.5070	all free	all free	Global	Yes
131104	31.0000	12.6670	-0.5770	all free	all free	Global	Yes
131105	31.0000	11.5000	-0.6470	all free	all free	Global	Yes
131106	31.0000	10.3330	-0.7170	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
131107	31.0000	9.1670	-0.7870	all free	all free	Global	Yes
131108	31.0000	7.6670	-0.8770	all free	all free	Global	Yes
131109	31.0000	6.1670	-0.9670	all free	all free	Global	Yes
131110	31.0000	4.6670	-1.0570	all free	all free	Global	Yes
131111	31.0000	3.1670	-1.1470	all free	all free	Global	Yes
131112	31.0000	1.8330	-1.2270	all free	all free	Global	Yes
131113	31.0000	0.8750	-1.2840	all free	all free	Global	Yes
131114	31.0000	0.0000	-1.0530	all free	all free	Global	Yes
131115	31.0000	-0.8750	-1.2840	all free	all free	Global	Yes
131116	31.0000	-1.8330	-1.2270	all free	all free	Global	Yes
131117	31.0000	-3.1670	-1.1470	all free	all free	Global	Yes
131118	31.0000	-4.6670	-1.0570	all free	all free	Global	Yes
131119	31.0000	-6.1670	-0.9670	all free	all free	Global	Yes
131120	31.0000	-7.6670	-0.8770	all free	all free	Global	Yes
131121	31.0000	-9.1670	-0.7870	all free	all free	Global	Yes
131122	31.0000	-10.3330	-0.7170	all free	all free	Global	Yes
131123	31.0000	-11.5000	-0.6470	all free	all free	Global	Yes
131124	31.0000	-12.6670	-0.5770	all free	all free	Global	Yes
131125	31.0000	-13.8330	-0.5070	all free	all free	Global	Yes
131126	31.0000	-15.0000	-0.4370	all free	all free	Global	Yes
131127	31.0000	-15.8330	-0.3960	all free	all free	Global	Yes
132101	32.0000	15.8330	-0.3960	all free	all free	Global	Yes
132102	32.0000	15.0000	-0.4370	all free	all free	Global	Yes
132103	32.0000	13.8330	-0.5070	all free	all free	Global	Yes
132104	32.0000	12.6670	-0.5770	all free	all free	Global	Yes
132105	32.0000	11.5000	-0.6470	all free	all free	Global	Yes
132106	32.0000	10.3330	-0.7170	all free	all free	Global	Yes
132107	32.0000	9.1670	-0.7870	all free	all free	Global	Yes
132108	32.0000	7.6670	-0.8770	all free	all free	Global	Yes
132109	32.0000	6.1670	-0.9670	all free	all free	Global	Yes
132110	32.0000	4.6670	-1.0570	all free	all free	Global	Yes
132111	32.0000	3.1670	-1.1470	all free	all free	Global	Yes
132112	32.0000	1.8330	-1.2270	all free	all free	Global	Yes
132113	32.0000	0.8750	-1.2840	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
132114	32.0000	0.0000	-1.0530	all free	all free	Global	Yes
132115	32.0000	-0.8750	-1.2840	all free	all free	Global	Yes
132116	32.0000	-1.8330	-1.2270	all free	all free	Global	Yes
132117	32.0000	-3.1670	-1.1470	all free	all free	Global	Yes
132118	32.0000	-4.6670	-1.0570	all free	all free	Global	Yes
132119	32.0000	-6.1670	-0.9670	all free	all free	Global	Yes
132120	32.0000	-7.6670	-0.8770	all free	all free	Global	Yes
132121	32.0000	-9.1670	-0.7870	all free	all free	Global	Yes
132122	32.0000	-10.3330	-0.7170	all free	all free	Global	Yes
132123	32.0000	-11.5000	-0.6470	all free	all free	Global	Yes
132124	32.0000	-12.6670	-0.5770	all free	all free	Global	Yes
132125	32.0000	-13.8330	-0.5070	all free	all free	Global	Yes
132126	32.0000	-15.0000	-0.4370	all free	all free	Global	Yes
132127	32.0000	-15.8330	-0.3960	all free	all free	Global	Yes
133101	33.0000	15.8330	-0.3960	all free	all free	Global	Yes
133102	33.0000	15.0000	-0.4370	all free	all free	Global	Yes
133103	33.0000	13.8330	-0.5070	all free	all free	Global	Yes
133104	33.0000	12.6670	-0.5770	all free	all free	Global	Yes
133105	33.0000	11.5000	-0.6470	all free	all free	Global	Yes
133106	33.0000	10.3330	-0.7170	all free	all free	Global	Yes
133107	33.0000	9.1670	-0.7870	all free	all free	Global	Yes
133108	33.0000	7.6670	-0.8770	all free	all free	Global	Yes
133109	33.0000	6.1670	-0.9670	all free	all free	Global	Yes
133110	33.0000	4.6670	-1.0570	all free	all free	Global	Yes
133111	33.0000	3.1670	-1.1470	all free	all free	Global	Yes
133112	33.0000	1.8330	-1.2270	all free	all free	Global	Yes
133113	33.0000	0.8750	-1.2840	all free	all free	Global	Yes
133114	33.0000	0.0000	-1.0530	all free	all free	Global	Yes
133115	33.0000	-0.8750	-1.2840	all free	all free	Global	Yes
133116	33.0000	-1.8330	-1.2270	all free	all free	Global	Yes
133117	33.0000	-3.1670	-1.1470	all free	all free	Global	Yes
133118	33.0000	-4.6670	-1.0570	all free	all free	Global	Yes
133119	33.0000	-6.1670	-0.9670	all free	all free	Global	Yes
133120	33.0000	-7.6670	-0.8770	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
133121	33.0000	-9.1670	-0.7870	all free	all free	Global	Yes
133122	33.0000	-10.3330	-0.7170	all free	all free	Global	Yes
133123	33.0000	-11.5000	-0.6470	all free	all free	Global	Yes
133124	33.0000	-12.6670	-0.5770	all free	all free	Global	Yes
133125	33.0000	-13.8330	-0.5070	all free	all free	Global	Yes
133126	33.0000	-15.0000	-0.4370	all free	all free	Global	Yes
133127	33.0000	-15.8330	-0.3960	all free	all free	Global	Yes
134101	34.0000	15.8330	-0.3960	all free	all free	Global	Yes
134102	34.0000	15.0000	-0.4370	all free	all free	Global	Yes
134103	34.0000	13.8330	-0.5070	all free	all free	Global	Yes
134104	34.0000	12.6670	-0.5770	all free	all free	Global	Yes
134105	34.0000	11.5000	-0.6470	all free	all free	Global	Yes
134106	34.0000	10.3330	-0.7170	all free	all free	Global	Yes
134107	34.0000	9.1670	-0.7870	all free	all free	Global	Yes
134108	34.0000	7.6670	-0.8770	all free	all free	Global	Yes
134109	34.0000	6.1670	-0.9670	all free	all free	Global	Yes
134110	34.0000	4.6670	-1.0570	all free	all free	Global	Yes
134111	34.0000	3.1670	-1.1470	all free	all free	Global	Yes
134112	34.0000	1.8330	-1.2270	all free	all free	Global	Yes
134113	34.0000	0.8750	-1.2840	all free	all free	Global	Yes
134114	34.0000	0.0000	-1.0530	all free	all free	Global	Yes
134115	34.0000	-0.8750	-1.2840	all free	all free	Global	Yes
134116	34.0000	-1.8330	-1.2270	all free	all free	Global	Yes
134117	34.0000	-3.1670	-1.1470	all free	all free	Global	Yes
134118	34.0000	-4.6670	-1.0570	all free	all free	Global	Yes
134119	34.0000	-6.1670	-0.9670	all free	all free	Global	Yes
134120	34.0000	-7.6670	-0.8770	all free	all free	Global	Yes
134121	34.0000	-9.1670	-0.7870	all free	all free	Global	Yes
134122	34.0000	-10.3330	-0.7170	all free	all free	Global	Yes
134123	34.0000	-11.5000	-0.6470	all free	all free	Global	Yes
134124	34.0000	-12.6670	-0.5770	all free	all free	Global	Yes
134125	34.0000	-13.8330	-0.5070	all free	all free	Global	Yes
134126	34.0000	-15.0000	-0.4370	all free	all free	Global	Yes
134127	34.0000	-15.8330	-0.3960	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
135101	35.0000	15.8330	-0.3960	all free	all free	Global	Yes
135102	35.0000	15.0000	-0.4370	all free	all free	Global	Yes
135103	35.0000	13.8330	-0.5070	all free	all free	Global	Yes
135104	35.0000	12.6670	-0.5770	all free	all free	Global	Yes
135105	35.0000	11.5000	-0.6470	all free	all free	Global	Yes
135106	35.0000	10.3330	-0.7170	all free	all free	Global	Yes
135107	35.0000	9.1670	-0.7870	all free	all free	Global	Yes
135108	35.0000	7.6670	-0.8770	all free	all free	Global	Yes
135109	35.0000	6.1670	-0.9670	all free	all free	Global	Yes
135110	35.0000	4.6670	-1.0570	all free	all free	Global	Yes
135111	35.0000	3.1670	-1.1470	all free	all free	Global	Yes
135112	35.0000	1.8330	-1.2270	all free	all free	Global	Yes
135113	35.0000	0.8750	-1.2840	all free	all free	Global	Yes
135114	35.0000	0.0000	-1.0530	all free	all free	Global	Yes
135115	35.0000	-0.8750	-1.2840	all free	all free	Global	Yes
135116	35.0000	-1.8330	-1.2270	all free	all free	Global	Yes
135117	35.0000	-3.1670	-1.1470	all free	all free	Global	Yes
135118	35.0000	-4.6670	-1.0570	all free	all free	Global	Yes
135119	35.0000	-6.1670	-0.9670	all free	all free	Global	Yes
135120	35.0000	-7.6670	-0.8770	all free	all free	Global	Yes
135121	35.0000	-9.1670	-0.7870	all free	all free	Global	Yes
135122	35.0000	-10.3330	-0.7170	all free	all free	Global	Yes
135123	35.0000	-11.5000	-0.6470	all free	all free	Global	Yes
135124	35.0000	-12.6670	-0.5770	all free	all free	Global	Yes
135125	35.0000	-13.8330	-0.5070	all free	all free	Global	Yes
135126	35.0000	-15.0000	-0.4370	all free	all free	Global	Yes
135127	35.0000	-15.8330	-0.3960	all free	all free	Global	Yes
136101	36.0000	15.8330	-0.3960	all free	all free	Global	Yes
136102	36.0000	15.0000	-0.4370	all free	all free	Global	Yes
136103	36.0000	13.8330	-0.5070	all free	all free	Global	Yes
136104	36.0000	12.6670	-0.5770	all free	all free	Global	Yes
136105	36.0000	11.5000	-0.6470	all free	all free	Global	Yes
136106	36.0000	10.3330	-0.7170	all free	all free	Global	Yes
136107	36.0000	9.1670	-0.7870	all free	all free	Global	Yes

INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
136108	36.0000	7.6670	-0.8770	all free	all free	Global	Yes
136109	36.0000	6.1670	-0.9670	all free	all free	Global	Yes
136110	36.0000	4.6670	-1.0570	all free	all free	Global	Yes
136111	36.0000	3.1670	-1.1470	all free	all free	Global	Yes
136112	36.0000	1.8330	-1.2270	all free	all free	Global	Yes
136113	36.0000	0.8750	-1.2840	all free	all free	Global	Yes
136114	36.0000	0.0000	-1.0530	all free	all free	Global	Yes
136115	36.0000	-0.8750	-1.2840	all free	all free	Global	Yes
136116	36.0000	-1.8330	-1.2270	all free	all free	Global	Yes
136117	36.0000	-3.1670	-1.1470	all free	all free	Global	Yes
136118	36.0000	-4.6670	-1.0570	all free	all free	Global	Yes
136119	36.0000	-6.1670	-0.9670	all free	all free	Global	Yes
136120	36.0000	-7.6670	-0.8770	all free	all free	Global	Yes
136121	36.0000	-9.1670	-0.7870	all free	all free	Global	Yes
136122	36.0000	-10.3330	-0.7170	all free	all free	Global	Yes
136123	36.0000	-11.5000	-0.6470	all free	all free	Global	Yes
136124	36.0000	-12.6670	-0.5770	all free	all free	Global	Yes
136125	36.0000	-13.8330	-0.5070	all free	all free	Global	Yes
136126	36.0000	-15.0000	-0.4370	all free	all free	Global	Yes
136127	36.0000	-15.8330	-0.3960	all free	all free	Global	Yes
137101	37.0000	15.8330	-0.3960	all free	all free	Global	Yes
137102	37.0000	15.0000	-0.4370	all free	all free	Global	Yes
137103	37.0000	13.8330	-0.5070	all free	all free	Global	Yes
137104	37.0000	12.6670	-0.5770	all free	all free	Global	Yes
137105	37.0000	11.5000	-0.6470	all free	all free	Global	Yes
137106	37.0000	10.3330	-0.7170	all free	all free	Global	Yes
137107	37.0000	9.1670	-0.7870	all free	all free	Global	Yes
137108	37.0000	7.6670	-0.8770	all free	all free	Global	Yes
137109	37.0000	6.1670	-0.9670	all free	all free	Global	Yes
137110	37.0000	4.6670	-1.0570	all free	all free	Global	Yes
137111	37.0000	3.1670	-1.1470	all free	all free	Global	Yes
137112	37.0000	1.8330	-1.2270	all free	all free	Global	Yes
137113	37.0000	0.8750	-1.2840	all free	all free	Global	Yes
137114	37.0000	0.0000	-1.0530	all free	all free	Global	Yes

INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
137115	37.0000	-0.8750	-1.2840	all free	all free	Global	Yes
137116	37.0000	-1.8330	-1.2270	all free	all free	Global	Yes
137117	37.0000	-3.1670	-1.1470	all free	all free	Global	Yes
137118	37.0000	-4.6670	-1.0570	all free	all free	Global	Yes
137119	37.0000	-6.1670	-0.9670	all free	all free	Global	Yes
137120	37.0000	-7.6670	-0.8770	all free	all free	Global	Yes
137121	37.0000	-9.1670	-0.7870	all free	all free	Global	Yes
137122	37.0000	-10.3330	-0.7170	all free	all free	Global	Yes
137123	37.0000	-11.5000	-0.6470	all free	all free	Global	Yes
137124	37.0000	-12.6670	-0.5770	all free	all free	Global	Yes
137125	37.0000	-13.8330	-0.5070	all free	all free	Global	Yes
137126	37.0000	-15.0000	-0.4370	all free	all free	Global	Yes
137127	37.0000	-15.8330	-0.3960	all free	all free	Global	Yes
138101	38.0000	15.8330	-0.3960	all free	all free	Global	Yes
138102	38.0000	15.0000	-0.4370	all free	all free	Global	Yes
138103	38.0000	13.8330	-0.5070	all free	all free	Global	Yes
138104	38.0000	12.6670	-0.5770	all free	all free	Global	Yes
138105	38.0000	11.5000	-0.6470	all free	all free	Global	Yes
138106	38.0000	10.3330	-0.7170	all free	all free	Global	Yes
138107	38.0000	9.1670	-0.7870	all free	all free	Global	Yes
138108	38.0000	7.6670	-0.8770	all free	all free	Global	Yes
138109	38.0000	6.1670	-0.9670	all free	all free	Global	Yes
138110	38.0000	4.6670	-1.0570	all free	all free	Global	Yes
138111	38.0000	3.1670	-1.1470	all free	all free	Global	Yes
138112	38.0000	1.8330	-1.2270	all free	all free	Global	Yes
138113	38.0000	0.8750	-1.2840	all free	all free	Global	Yes
138114	38.0000	0.0000	-1.0530	all free	all free	Global	Yes
138115	38.0000	-0.8750	-1.2840	all free	all free	Global	Yes
138116	38.0000	-1.8330	-1.2270	all free	all free	Global	Yes
138117	38.0000	-3.1670	-1.1470	all free	all free	Global	Yes
138118	38.0000	-4.6670	-1.0570	all free	all free	Global	Yes
138119	38.0000	-6.1670	-0.9670	all free	all free	Global	Yes
138120	38.0000	-7.6670	-0.8770	all free	all free	Global	Yes
138121	38.0000	-9.1670	-0.7870	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
138122	38.0000	-10.3330	-0.7170	all free	all free	Global	Yes
138123	38.0000	-11.5000	-0.6470	all free	all free	Global	Yes
138124	38.0000	-12.6670	-0.5770	all free	all free	Global	Yes
138125	38.0000	-13.8330	-0.5070	all free	all free	Global	Yes
138126	38.0000	-15.0000	-0.4370	all free	all free	Global	Yes
138127	38.0000	-15.8330	-0.3960	all free	all free	Global	Yes
139101	39.0000	15.8330	-0.3960	all free	all free	Global	Yes
139102	39.0000	15.0000	-0.4370	all free	all free	Global	Yes
139103	39.0000	13.8330	-0.5070	all free	all free	Global	Yes
139104	39.0000	12.6670	-0.5770	all free	all free	Global	Yes
139105	39.0000	11.5000	-0.6470	all free	all free	Global	Yes
139106	39.0000	10.3330	-0.7170	all free	all free	Global	Yes
139107	39.0000	9.1670	-0.7870	all free	all free	Global	Yes
139108	39.0000	7.6670	-0.8770	all free	all free	Global	Yes
139109	39.0000	6.1670	-0.9670	all free	all free	Global	Yes
139110	39.0000	4.6670	-1.0570	all free	all free	Global	Yes
139111	39.0000	3.1670	-1.1470	all free	all free	Global	Yes
139112	39.0000	1.8330	-1.2270	all free	all free	Global	Yes
139113	39.0000	0.8750	-1.2840	all free	all free	Global	Yes
139114	39.0000	0.0000	-1.0530	all free	all free	Global	Yes
139115	39.0000	-0.8750	-1.2840	all free	all free	Global	Yes
139116	39.0000	-1.8330	-1.2270	all free	all free	Global	Yes
139117	39.0000	-3.1670	-1.1470	all free	all free	Global	Yes
139118	39.0000	-4.6670	-1.0570	all free	all free	Global	Yes
139119	39.0000	-6.1670	-0.9670	all free	all free	Global	Yes
139120	39.0000	-7.6670	-0.8770	all free	all free	Global	Yes
139121	39.0000	-9.1670	-0.7870	all free	all free	Global	Yes
139122	39.0000	-10.3330	-0.7170	all free	all free	Global	Yes
139123	39.0000	-11.5000	-0.6470	all free	all free	Global	Yes
139124	39.0000	-12.6670	-0.5770	all free	all free	Global	Yes
139125	39.0000	-13.8330	-0.5070	all free	all free	Global	Yes
139126	39.0000	-15.0000	-0.4370	all free	all free	Global	Yes
139127	39.0000	-15.8330	-0.3960	all free	all free	Global	Yes
140101	40.0000	15.8330	-0.3960	x fixed	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
140102	40.0000	15.0000	-0.4370	x fixed	all free	Global	Yes
140103	40.0000	13.8330	-0.5070	x fixed	all free	Global	Yes
140104	40.0000	12.6670	-0.5770	x fixed	all free	Global	Yes
140105	40.0000	11.5000	-0.6470	x fixed	all free	Global	Yes
140106	40.0000	10.3330	-0.7170	x fixed	all free	Global	Yes
140107	40.0000	9.1670	-0.7870	x fixed	all free	Global	Yes
140108	40.0000	7.6670	-0.8770	x fixed	all free	Global	Yes
140109	40.0000	6.1670	-0.9670	x fixed	all free	Global	Yes
140110	40.0000	4.6670	-1.0570	x fixed	all free	Global	Yes
140111	40.0000	3.1670	-1.1470	x fixed	all free	Global	Yes
140112	40.0000	1.8330	-1.2270	x fixed	all free	Global	Yes
140113	40.0000	0.8750	-1.2840	x fixed	all free	Global	Yes
140114	40.0000	0.0000	-1.0530	x, y fixed	all free	Global	Yes
140115	40.0000	-0.8750	-1.2840	x fixed	all free	Global	Yes
140116	40.0000	-1.8330	-1.2270	x fixed	all free	Global	Yes
140117	40.0000	-3.1670	-1.1470	x fixed	all free	Global	Yes
140118	40.0000	-4.6670	-1.0570	x fixed	all free	Global	Yes
140119	40.0000	-6.1670	-0.9670	x fixed	all free	Global	Yes
140120	40.0000	-7.6670	-0.8770	x fixed	all free	Global	Yes
140121	40.0000	-9.1670	-0.7870	x fixed	all free	Global	Yes
140122	40.0000	-10.3330	-0.7170	x fixed	all free	Global	Yes
140123	40.0000	-11.5000	-0.6470	x fixed	all free	Global	Yes
140124	40.0000	-12.6670	-0.5770	x fixed	all free	Global	Yes
140125	40.0000	-13.8330	-0.5070	x fixed	all free	Global	Yes
140126	40.0000	-15.0000	-0.4370	x fixed	all free	Global	Yes
140127	40.0000	-15.8330	-0.3960	x fixed	all free	Global	Yes
101206	1.0000	9.9470	-1.8320	all free	all free	Global	Yes
101207	1.0000	9.1670	-1.8320	all free	all free	Global	Yes
101208	1.0000	7.6670	-1.8320	all free	all free	Global	Yes
101209	1.0000	6.1670	-1.8320	all free	all free	Global	Yes
101210	1.0000	4.6670	-1.8320	all free	all free	Global	Yes
101211	1.0000	3.1670	-1.8320	all free	all free	Global	Yes
101212	1.0000	1.8330	-1.8320	all free	all free	Global	Yes
101213	1.0000	0.8750	-1.8320	all free	all free	Global	Yes

INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
101215	1.0000	-0.8750	-1.8320	all free	all free	Global	Yes
101216	1.0000	-1.8330	-1.8320	all free	all free	Global	Yes
101217	1.0000	-3.1670	-1.8320	all free	all free	Global	Yes
101218	1.0000	-4.6670	-1.8320	all free	all free	Global	Yes
101219	1.0000	-6.1670	-1.8320	all free	all free	Global	Yes
101220	1.0000	-7.6670	-1.8320	all free	all free	Global	Yes
101221	1.0000	-9.1670	-1.8320	all free	all free	Global	Yes
101222	1.0000	-9.9470	-1.8320	all free	all free	Global	Yes
101306	1.0000	9.7770	-2.3230	all free	all free	Global	Yes
101307	1.0000	9.1670	-2.3230	all free	all free	Global	Yes
101308	1.0000	7.6670	-2.3230	all free	all free	Global	Yes
101309	1.0000	6.1670	-2.3230	all free	all free	Global	Yes
101310	1.0000	4.6670	-2.3230	all free	all free	Global	Yes
101311	1.0000	3.1670	-2.3230	all free	all free	Global	Yes
101312	1.0000	1.8330	-2.3230	all free	all free	Global	Yes
101313	1.0000	0.8750	-2.3230	all free	all free	Global	Yes
101315	1.0000	-0.8750	-2.3230	all free	all free	Global	Yes
101316	1.0000	-1.8330	-2.3230	all free	all free	Global	Yes
101317	1.0000	-3.1670	-2.3230	all free	all free	Global	Yes
101318	1.0000	-4.6670	-2.3230	all free	all free	Global	Yes
101319	1.0000	-6.1670	-2.3230	all free	all free	Global	Yes
101320	1.0000	-7.6670	-2.3230	all free	all free	Global	Yes
101321	1.0000	-9.1670	-2.3230	all free	all free	Global	Yes
101322	1.0000	-9.7770	-2.3230	all free	all free	Global	Yes
101406	1.0000	9.6040	-2.8230	all free	all free	Global	Yes
101407	1.0000	9.1670	-2.8230	all free	all free	Global	Yes
101408	1.0000	7.6670	-2.8230	all free	all free	Global	Yes
101409	1.0000	6.1670	-2.8230	all free	all free	Global	Yes
101410	1.0000	4.6670	-2.8230	all free	all free	Global	Yes
101411	1.0000	3.1670	-2.8230	all free	all free	Global	Yes
101412	1.0000	1.8330	-2.8230	all free	all free	Global	Yes
101413	1.0000	0.8750	-2.8230	all free	all free	Global	Yes
101414	1.0000	0.0000	-2.8230	all free	all free	Global	Yes
101415	1.0000	-0.8750	-2.8230	all free	all free	Global	Yes



INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
101416	1.0000	-1.8330	-2.8230	all free	all free	Global	Yes
101417	1.0000	-3.1670	-2.8230	all free	all free	Global	Yes
101418	1.0000	-4.6670	-2.8230	all free	all free	Global	Yes
101419	1.0000	-6.1670	-2.8230	all free	all free	Global	Yes
101420	1.0000	-7.6670	-2.8230	all free	all free	Global	Yes
101421	1.0000	-9.1670	-2.8230	all free	all free	Global	Yes
101422	1.0000	-9.6040	-2.8230	all free	all free	Global	Yes
101506	1.0000	9.3430	-3.5740	all free	all free	Global	Yes
101507	1.0000	9.1670	-3.5740	all free	all free	Global	Yes
101508	1.0000	7.6670	-3.5740	all free	all free	Global	Yes
101509	1.0000	6.1670	-3.5740	all free	all free	Global	Yes
101510	1.0000	4.6670	-3.5740	all free	all free	Global	Yes
101511	1.0000	3.1670	-3.5740	all free	all free	Global	Yes
101512	1.0000	1.8330	-3.5740	all free	all free	Global	Yes
101513	1.0000	0.8750	-3.5740	all free	all free	Global	Yes
101514	1.0000	0.0000	-3.5740	all free	all free	Global	Yes
101515	1.0000	-0.8750	-3.5740	all free	all free	Global	Yes
101516	1.0000	-1.8330	-3.5740	all free	all free	Global	Yes
101517	1.0000	-3.1670	-3.5740	all free	all free	Global	Yes
101518	1.0000	-4.6670	-3.5740	all free	all free	Global	Yes
101519	1.0000	-6.1670	-3.5740	all free	all free	Global	Yes
101520	1.0000	-7.6670	-3.5740	all free	all free	Global	Yes
101521	1.0000	-9.1670	-3.5740	all free	all free	Global	Yes
101522	1.0000	-9.3430	-3.5740	all free	all free	Global	Yes
101607	1.0000	9.0830	-4.3240	all free	all free	Global	Yes
101608	1.0000	7.6670	-4.3240	z fixed	all free	Global	Yes
101609	1.0000	6.1670	-4.3240	z fixed	all free	Global	Yes
101610	1.0000	4.6670	-4.3240	z fixed	all free	Global	Yes
101611	1.0000	3.1670	-4.3240	z fixed	all free	Global	Yes
101612	1.0000	1.8330	-4.3240	z fixed	all free	Global	Yes
101613	1.0000	0.8750	-4.3240	all free	all free	Global	Yes
101614	1.0000	0.0000	-4.3240	all free	all free	Global	Yes
101615	1.0000	-0.8750	-4.3240	all free	all free	Global	Yes
101616	1.0000	-1.8330	-4.3240	z fixed	all free	Global	Yes

INPUT : Joints

ID	X (ft)	Y (ft)	Z (ft)	Translation DOF	Rotation DOF	Displacement UCS	Assignment
101617	1.0000	-3.1670	-4.3240	z fixed	all free	Global	Yes
101618	1.0000	-4.6670	-4.3240	z fixed	all free	Global	Yes
101619	1.0000	-6.1670	-4.3240	z fixed	all free	Global	Yes
101620	1.0000	-7.6670	-4.3240	z fixed	all free	Global	Yes
101621	1.0000	-9.0830	-4.3240	all free	all free	Global	Yes

INPUT : Springs

ID	I-Joint	J-Joint	Type	Direction	K Tension (kips/ft)	K Compression (kips/ft)	Maximum Tension (kips or kips-ft)	Maximum Compression (kips or kips-ft)	Hook (ft)	Gap (ft)	Properties Definition	Structure / Construction Group
1	140101	(none)	Linear	Trans. Z	6.6000	6.6000					(none)	Deck
2	140102	(none)	Linear	Trans. Z	15.8000	15.8000					(none)	Deck
3	140103	(none)	Linear	Trans. Z	18.4000	18.4000					(none)	Deck
4	140104	(none)	Linear	Trans. Z	18.4000	18.4000					(none)	Deck
5	140105	(none)	Linear	Trans. Z	18.4000	18.4000					(none)	Deck
6	140106	(none)	Linear	Trans. Z	18.4000	18.4000					(none)	Deck
7	140107	(none)	Linear	Trans. Z	21.0000	21.0000					(none)	Deck
8	140108	(none)	Linear	Trans. Z	23.7000	23.7000					(none)	Deck
9	140109	(none)	Linear	Trans. Z	23.7000	23.7000					(none)	Deck
10	140110	(none)	Linear	Trans. Z	23.7000	23.7000					(none)	Deck
11	140111	(none)	Linear	Trans. Z	22.4000	22.4000					(none)	Deck
12	140112	(none)	Linear	Trans. Z	18.1000	18.1000					(none)	Deck
13	140113	(none)	Linear	Trans. Z	14.5000	14.5000					(none)	Deck
14	140114	(none)	Linear	Trans. Z	13.8000	13.8000					(none)	Deck
15	140115	(none)	Linear	Trans. Z	14.5000	14.5000					(none)	Deck
16	140116	(none)	Linear	Trans. Z	18.1000	18.1000					(none)	Deck
17	140117	(none)	Linear	Trans. Z	22.4000	22.4000					(none)	Deck
18	140118	(none)	Linear	Trans. Z	23.7000	23.7000					(none)	Deck
19	140119	(none)	Linear	Trans. Z	23.7000	23.7000					(none)	Deck
20	140120	(none)	Linear	Trans. Z	23.7000	23.7000					(none)	Deck
21	140121	(none)	Linear	Trans. Z	21.0000	21.0000					(none)	Deck
22	140122	(none)	Linear	Trans. Z	18.4000	18.4000					(none)	Deck
23	140123	(none)	Linear	Trans. Z	18.4000	18.4000					(none)	Deck
24	140124	(none)	Linear	Trans. Z	18.4000	18.4000					(none)	Deck

INPUT : Springs

ID	I-Joint	J-Joint	Type	Direction	K Tension (kips/ft)	K Compression (kips/ft)	Maximum Tension (kips)	Maximum Compression (kips)	Hook (ft)	Gap (ft)	Properties Definition	Structure / Construction Group
25	140125	(none)	Linear	Trans. Z	18.4000	18.4000					(none)	Deck
26	140126	(none)	Linear	Trans. Z	15.8000	15.8000					(none)	Deck
27	140127	(none)	Linear	Trans. Z	6.6000	6.6000					(none)	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
100102	Thick (PQ3/PQ2)	with Drilling	100102	101102	101101	100101	Concrete8500	0.8330	.834	0	Deck
100103	Thick (PQ3/PQ2)	with Drilling	100103	101103	101102	100102	Concrete8500	0.9210	1.1691	0	Deck
100104	Thick (PQ3/PQ2)	with Drilling	100104	101104	101103	100103	Concrete8500	1.0150	1.1681	0	Deck
100105	Thick (PQ3/PQ2)	with Drilling	100105	101105	101104	100104	Concrete8500	1.1080	1.1691	0	Deck
100106	Thick (PQ3/PQ2)	with Drilling	100106	101106	101105	100105	Concrete8500	1.2010	1.1691	0	Deck
100107	Thick (PQ3/PQ2)	with Drilling	100107	101107	101106	100106	Concrete8500	1.2940	1.1681	0	Deck
100108	Thick (PQ3/PQ2)	with Drilling	100108	101108	101107	100107	Concrete8500	1.4010	1.5027	0	Deck
100109	Thick (PQ3/PQ2)	with Drilling	100109	101109	101108	100108	Concrete8500	1.5200	1.5027	0	Deck
100110	Thick (PQ3/PQ2)	with Drilling	100110	101110	101109	100109	Concrete8500	1.6400	1.5027	0	Deck
100111	Thick (PQ3/PQ2)	with Drilling	100111	101111	101110	100110	Concrete8500	1.7600	1.5027	0	Deck
100112	Thick (PQ3/PQ2)	with Drilling	100112	101112	101111	100111	Concrete8500	1.8730	1.3364	0	Deck
100113	Thick (PQ3/PQ2)	with Drilling	100113	101113	101112	100112	Concrete8500	1.9650	.9597	0	Deck
100116	Thick (PQ3/PQ2)	with Drilling	100116	101116	101115	100115	Concrete8500	1.9650	.9597	0	Deck
100117	Thick (PQ3/PQ2)	with Drilling	100117	101117	101116	100116	Concrete8500	1.8730	1.3364	0	Deck
100118	Thick (PQ3/PQ2)	with Drilling	100118	101118	101117	100117	Concrete8500	1.7600	1.5027	0	Deck
100119	Thick (PQ3/PQ2)	with Drilling	100119	101119	101118	100118	Concrete8500	1.6400	1.5027	0	Deck
100120	Thick (PQ3/PQ2)	with Drilling	100120	101120	101119	100119	Concrete8500	1.5200	1.5027	0	Deck
100121	Thick (PQ3/PQ2)	with Drilling	100121	101121	101120	100120	Concrete8500	1.4010	1.5027	0	Deck
100122	Thick (PQ3/PQ2)	with Drilling	100122	101122	101121	100121	Concrete8500	1.2940	1.1681	0	Deck
100123	Thick (PQ3/PQ2)	with Drilling	100123	101123	101122	100122	Concrete8500	1.2010	1.1691	0	Deck
100124	Thick (PQ3/PQ2)	with Drilling	100124	101124	101123	100123	Concrete8500	1.1080	1.1691	0	Deck
100125	Thick (PQ3/PQ2)	with Drilling	100125	101125	101124	100124	Concrete8500	1.0150	1.1681	0	Deck
100126	Thick (PQ3/PQ2)	with Drilling	100126	101126	101125	100125	Concrete8500	0.9210	1.1691	0	Deck
100127	Thick (PQ3/PQ2)	with Drilling	100127	101127	101126	100126	Concrete8500	0.8330	.834	0	Deck
101102	Thick (PQ3/PQ2)	with Drilling	101102	102102	102101	101101	Concrete8500	0.8330	.834	0	Deck
101103	Thick (PQ3/PQ2)	with Drilling	101103	102103	102102	101102	Concrete8500	0.9210	1.1691	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
101104	Thick (PQ3/PQ2)	with Drilling	101104	102104	102103	101103	Concrete8500	1.0150	1.1681	0	Deck
101105	Thick (PQ3/PQ2)	with Drilling	101105	102105	102104	101104	Concrete8500	1.1080	1.1691	0	Deck
101106	Thick (PQ3/PQ2)	with Drilling	101106	102106	102105	101105	Concrete8500	1.2010	1.1691	0	Deck
101107	Thick (PQ3/PQ2)	with Drilling	101107	102107	102106	101106	Concrete8500	1.2940	1.1681	0	Deck
101108	Thick (PQ3/PQ2)	with Drilling	101108	102108	102107	101107	Concrete8500	1.4010	1.5027	0	Deck
101109	Thick (PQ3/PQ2)	with Drilling	101109	102109	102108	101108	Concrete8500	1.5200	1.5027	0	Deck
101110	Thick (PQ3/PQ2)	with Drilling	101110	102110	102109	101109	Concrete8500	1.6400	1.5027	0	Deck
101111	Thick (PQ3/PQ2)	with Drilling	101111	102111	102110	101110	Concrete8500	1.7600	1.5027	0	Deck
101112	Thick (PQ3/PQ2)	with Drilling	101112	102112	102111	101111	Concrete8500	1.8730	1.3364	0	Deck
101113	Thick (PQ3/PQ2)	with Drilling	101113	102113	102112	101112	Concrete8500	1.9650	.9597	0	Deck
101114	Thick (PQ3/PQ2)	with Drilling	101114	102114	102113	101113	Concrete8500	1.7980	.905	0	Deck, Mid region
101115	Thick (PQ3/PQ2)	with Drilling	101115	102115	102114	101114	Concrete8500	1.7980	.905	0	Deck, Mid region
101116	Thick (PQ3/PQ2)	with Drilling	101116	102116	102115	101115	Concrete8500	1.9650	.9597	0	Deck
101117	Thick (PQ3/PQ2)	with Drilling	101117	102117	102116	101116	Concrete8500	1.8730	1.3364	0	Deck
101118	Thick (PQ3/PQ2)	with Drilling	101118	102118	102117	101117	Concrete8500	1.7600	1.5027	0	Deck
101119	Thick (PQ3/PQ2)	with Drilling	101119	102119	102118	101118	Concrete8500	1.6400	1.5027	0	Deck
101120	Thick (PQ3/PQ2)	with Drilling	101120	102120	102119	101119	Concrete8500	1.5200	1.5027	0	Deck
101121	Thick (PQ3/PQ2)	with Drilling	101121	102121	102120	101120	Concrete8500	1.4010	1.5027	0	Deck
101122	Thick (PQ3/PQ2)	with Drilling	101122	102122	102121	101121	Concrete8500	1.2940	1.1681	0	Deck
101123	Thick (PQ3/PQ2)	with Drilling	101123	102123	102122	101122	Concrete8500	1.2010	1.1691	0	Deck
101124	Thick (PQ3/PQ2)	with Drilling	101124	102124	102123	101123	Concrete8500	1.1080	1.1691	0	Deck
101125	Thick (PQ3/PQ2)	with Drilling	101125	102125	102124	101124	Concrete8500	1.0150	1.1681	0	Deck
101126	Thick (PQ3/PQ2)	with Drilling	101126	102126	102125	101125	Concrete8500	0.9210	1.1691	0	Deck
101127	Thick (PQ3/PQ2)	with Drilling	101127	102127	102126	101126	Concrete8500	0.8330	.834	0	Deck
102102	Thick (PQ3/PQ2)	with Drilling	102102	103102	103101	102101	Concrete8500	0.8330	.834	0	Deck
102103	Thick (PQ3/PQ2)	with Drilling	102103	103103	103102	102102	Concrete8500	0.9210	1.1691	0	Deck
102104	Thick (PQ3/PQ2)	with Drilling	102104	103104	103103	102103	Concrete8500	1.0150	1.1681	0	Deck
102105	Thick (PQ3/PQ2)	with Drilling	102105	103105	103104	102104	Concrete8500	1.1080	1.1691	0	Deck
102106	Thick (PQ3/PQ2)	with Drilling	102106	103106	103105	102105	Concrete8500	1.2010	1.1691	0	Deck
102107	Thick (PQ3/PQ2)	with Drilling	102107	103107	103106	102106	Concrete8500	1.2940	1.1681	0	Deck
102108	Thick (PQ3/PQ2)	with Drilling	102108	103108	103107	102107	Concrete8500	1.4010	1.5027	0	Deck
102109	Thick (PQ3/PQ2)	with Drilling	102109	103109	103108	102108	Concrete8500	1.5200	1.5027	0	Deck
102110	Thick (PQ3/PQ2)	with Drilling	102110	103110	103109	102109	Concrete8500	1.6400	1.5027	0	Deck
102111	Thick (PQ3/PQ2)	with Drilling	102111	103111	103110	102110	Concrete8500	1.7600	1.5027	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
102112	Thick (PQ3/PQ2)	with Drilling	102112	103112	103111	102111	Concrete8500	1.8730	1.3364	0	Deck
102113	Thick (PQ3/PQ2)	with Drilling	102113	103113	103112	102112	Concrete8500	1.9650	.9597	0	Deck
102114	Thick (PQ3/PQ2)	with Drilling	102114	103114	103113	102113	Concrete8500	1.7980	.905	0	Deck, Mid region
102115	Thick (PQ3/PQ2)	with Drilling	102115	103115	103114	102114	Concrete8500	1.7980	.905	0	Deck, Mid region
102116	Thick (PQ3/PQ2)	with Drilling	102116	103116	103115	102115	Concrete8500	1.9650	.9597	0	Deck
102117	Thick (PQ3/PQ2)	with Drilling	102117	103117	103116	102116	Concrete8500	1.8730	1.3364	0	Deck
102118	Thick (PQ3/PQ2)	with Drilling	102118	103118	103117	102117	Concrete8500	1.7600	1.5027	0	Deck
102119	Thick (PQ3/PQ2)	with Drilling	102119	103119	103118	102118	Concrete8500	1.6400	1.5027	0	Deck
102120	Thick (PQ3/PQ2)	with Drilling	102120	103120	103119	102119	Concrete8500	1.5200	1.5027	0	Deck
102121	Thick (PQ3/PQ2)	with Drilling	102121	103121	103120	102120	Concrete8500	1.4010	1.5027	0	Deck
102122	Thick (PQ3/PQ2)	with Drilling	102122	103122	103121	102121	Concrete8500	1.2940	1.1681	0	Deck
102123	Thick (PQ3/PQ2)	with Drilling	102123	103123	103122	102122	Concrete8500	1.2010	1.1691	0	Deck
102124	Thick (PQ3/PQ2)	with Drilling	102124	103124	103123	102123	Concrete8500	1.1080	1.1691	0	Deck
102125	Thick (PQ3/PQ2)	with Drilling	102125	103125	103124	102124	Concrete8500	1.0150	1.1681	0	Deck
102126	Thick (PQ3/PQ2)	with Drilling	102126	103126	103125	102125	Concrete8500	0.9210	1.1691	0	Deck
102127	Thick (PQ3/PQ2)	with Drilling	102127	103127	103126	102126	Concrete8500	0.8330	.834	0	Deck
103102	Thick (PQ3/PQ2)	with Drilling	103102	104102	104101	103101	Concrete8500	0.8330	.834	0	Deck
103103	Thick (PQ3/PQ2)	with Drilling	103103	104103	104102	103102	Concrete8500	0.9210	1.1691	0	Deck
103104	Thick (PQ3/PQ2)	with Drilling	103104	104104	104103	103103	Concrete8500	1.0150	1.1681	0	Deck
103105	Thick (PQ3/PQ2)	with Drilling	103105	104105	104104	103104	Concrete8500	1.1080	1.1691	0	Deck
103106	Thick (PQ3/PQ2)	with Drilling	103106	104106	104105	103105	Concrete8500	1.2010	1.1691	0	Deck
103107	Thick (PQ3/PQ2)	with Drilling	103107	104107	104106	103106	Concrete8500	1.2940	1.1681	0	Deck
103108	Thick (PQ3/PQ2)	with Drilling	103108	104108	104107	103107	Concrete8500	1.4010	1.5027	0	Deck
103109	Thick (PQ3/PQ2)	with Drilling	103109	104109	104108	103108	Concrete8500	1.5200	1.5027	0	Deck
103110	Thick (PQ3/PQ2)	with Drilling	103110	104110	104109	103109	Concrete8500	1.6400	1.5027	0	Deck
103111	Thick (PQ3/PQ2)	with Drilling	103111	104111	104110	103110	Concrete8500	1.7600	1.5027	0	Deck
103112	Thick (PQ3/PQ2)	with Drilling	103112	104112	104111	103111	Concrete8500	1.8730	1.3364	0	Deck
103113	Thick (PQ3/PQ2)	with Drilling	103113	104113	104112	103112	Concrete8500	1.9650	.9597	0	Deck
103114	Thick (PQ3/PQ2)	with Drilling	103114	104114	104113	103113	Concrete8500	1.7980	.905	0	Deck, Mid region
103115	Thick (PQ3/PQ2)	with Drilling	103115	104115	104114	103114	Concrete8500	1.7980	.905	0	Deck, Mid region
103116	Thick (PQ3/PQ2)	with Drilling	103116	104116	104115	103115	Concrete8500	1.9650	.9597	0	Deck
103117	Thick (PQ3/PQ2)	with Drilling	103117	104117	104116	103116	Concrete8500	1.8730	1.3364	0	Deck
103118	Thick (PQ3/PQ2)	with Drilling	103118	104118	104117	103117	Concrete8500	1.7600	1.5027	0	Deck
103119	Thick (PQ3/PQ2)	with Drilling	103119	104119	104118	103118	Concrete8500	1.6400	1.5027	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
103120	Thick (PQ3/PQ2)	with Drilling	103120	104120	104119	103119	Concrete8500	1.5200	1.5027	0	Deck
103121	Thick (PQ3/PQ2)	with Drilling	103121	104121	104120	103120	Concrete8500	1.4010	1.5027	0	Deck
103122	Thick (PQ3/PQ2)	with Drilling	103122	104122	104121	103121	Concrete8500	1.2940	1.1681	0	Deck
103123	Thick (PQ3/PQ2)	with Drilling	103123	104123	104122	103122	Concrete8500	1.2010	1.1691	0	Deck
103124	Thick (PQ3/PQ2)	with Drilling	103124	104124	104123	103123	Concrete8500	1.1080	1.1691	0	Deck
103125	Thick (PQ3/PQ2)	with Drilling	103125	104125	104124	103124	Concrete8500	1.0150	1.1681	0	Deck
103126	Thick (PQ3/PQ2)	with Drilling	103126	104126	104125	103125	Concrete8500	0.9210	1.1691	0	Deck
103127	Thick (PQ3/PQ2)	with Drilling	103127	104127	104126	103126	Concrete8500	0.8330	.834	0	Deck
104102	Thick (PQ3/PQ2)	with Drilling	104102	105102	105101	104101	Concrete8500	0.8330	.834	0	Deck
104103	Thick (PQ3/PQ2)	with Drilling	104103	105103	105102	104102	Concrete8500	0.9210	1.1691	0	Deck
104104	Thick (PQ3/PQ2)	with Drilling	104104	105104	105103	104103	Concrete8500	1.0150	1.1681	0	Deck
104105	Thick (PQ3/PQ2)	with Drilling	104105	105105	105104	104104	Concrete8500	1.1080	1.1691	0	Deck
104106	Thick (PQ3/PQ2)	with Drilling	104106	105106	105105	104105	Concrete8500	1.2010	1.1691	0	Deck
104107	Thick (PQ3/PQ2)	with Drilling	104107	105107	105106	104106	Concrete8500	1.2940	1.1681	0	Deck
104108	Thick (PQ3/PQ2)	with Drilling	104108	105108	105107	104107	Concrete8500	1.4010	1.5027	0	Deck
104109	Thick (PQ3/PQ2)	with Drilling	104109	105109	105108	104108	Concrete8500	1.5200	1.5027	0	Deck
104110	Thick (PQ3/PQ2)	with Drilling	104110	105110	105109	104109	Concrete8500	1.6400	1.5027	0	Deck
104111	Thick (PQ3/PQ2)	with Drilling	104111	105111	105110	104110	Concrete8500	1.7600	1.5027	0	Deck
104112	Thick (PQ3/PQ2)	with Drilling	104112	105112	105111	104111	Concrete8500	1.8730	1.3364	0	Deck
104113	Thick (PQ3/PQ2)	with Drilling	104113	105113	105112	104112	Concrete8500	1.9650	.9597	0	Deck
104114	Thick (PQ3/PQ2)	with Drilling	104114	105114	105113	104113	Concrete8500	1.7980	.905	0	Deck, Mid region
104115	Thick (PQ3/PQ2)	with Drilling	104115	105115	105114	104114	Concrete8500	1.7980	.905	0	Deck, Mid region
104116	Thick (PQ3/PQ2)	with Drilling	104116	105116	105115	104115	Concrete8500	1.9650	.9597	0	Deck
104117	Thick (PQ3/PQ2)	with Drilling	104117	105117	105116	104116	Concrete8500	1.8730	1.3364	0	Deck
104118	Thick (PQ3/PQ2)	with Drilling	104118	105118	105117	104117	Concrete8500	1.7600	1.5027	0	Deck
104119	Thick (PQ3/PQ2)	with Drilling	104119	105119	105118	104118	Concrete8500	1.6400	1.5027	0	Deck
104120	Thick (PQ3/PQ2)	with Drilling	104120	105120	105119	104119	Concrete8500	1.5200	1.5027	0	Deck
104121	Thick (PQ3/PQ2)	with Drilling	104121	105121	105120	104120	Concrete8500	1.4010	1.5027	0	Deck
104122	Thick (PQ3/PQ2)	with Drilling	104122	105122	105121	104121	Concrete8500	1.2940	1.1681	0	Deck
104123	Thick (PQ3/PQ2)	with Drilling	104123	105123	105122	104122	Concrete8500	1.2010	1.1691	0	Deck
104124	Thick (PQ3/PQ2)	with Drilling	104124	105124	105123	104123	Concrete8500	1.1080	1.1691	0	Deck
104125	Thick (PQ3/PQ2)	with Drilling	104125	105125	105124	104124	Concrete8500	1.0150	1.1681	0	Deck
104126	Thick (PQ3/PQ2)	with Drilling	104126	105126	105125	104125	Concrete8500	0.9210	1.1691	0	Deck
104127	Thick (PQ3/PQ2)	with Drilling	104127	105127	105126	104126	Concrete8500	0.8330	.834	0	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
105102	Thick (PQ3/PQ2)	with Drilling	105102	106102	106101	105101	Concrete8500	0.8330	.834	0	Deck
105103	Thick (PQ3/PQ2)	with Drilling	105103	106103	106102	105102	Concrete8500	0.9210	1.1691	0	Deck
105104	Thick (PQ3/PQ2)	with Drilling	105104	106104	106103	105103	Concrete8500	1.0150	1.1681	0	Deck
105105	Thick (PQ3/PQ2)	with Drilling	105105	106105	106104	105104	Concrete8500	1.1080	1.1691	0	Deck
105106	Thick (PQ3/PQ2)	with Drilling	105106	106106	106105	105105	Concrete8500	1.2010	1.1691	0	Deck
105107	Thick (PQ3/PQ2)	with Drilling	105107	106107	106106	105106	Concrete8500	1.2940	1.1681	0	Deck
105108	Thick (PQ3/PQ2)	with Drilling	105108	106108	106107	105107	Concrete8500	1.4010	1.5027	0	Deck
105109	Thick (PQ3/PQ2)	with Drilling	105109	106109	106108	105108	Concrete8500	1.5200	1.5027	0	Deck
105110	Thick (PQ3/PQ2)	with Drilling	105110	106110	106109	105109	Concrete8500	1.6400	1.5027	0	Deck
105111	Thick (PQ3/PQ2)	with Drilling	105111	106111	106110	105110	Concrete8500	1.7600	1.5027	0	Deck
105112	Thick (PQ3/PQ2)	with Drilling	105112	106112	106111	105111	Concrete8500	1.8730	1.3364	0	Deck
105113	Thick (PQ3/PQ2)	with Drilling	105113	106113	106112	105112	Concrete8500	1.9650	.9597	0	Deck
105114	Thick (PQ3/PQ2)	with Drilling	105114	106114	106113	105113	Concrete8500	1.7980	.905	0	Deck, Mid region
105115	Thick (PQ3/PQ2)	with Drilling	105115	106115	106114	105114	Concrete8500	1.7980	.905	0	Deck, Mid region
105116	Thick (PQ3/PQ2)	with Drilling	105116	106116	106115	105115	Concrete8500	1.9650	.9597	0	Deck
105117	Thick (PQ3/PQ2)	with Drilling	105117	106117	106116	105116	Concrete8500	1.8730	1.3364	0	Deck
105118	Thick (PQ3/PQ2)	with Drilling	105118	106118	106117	105117	Concrete8500	1.7600	1.5027	0	Deck
105119	Thick (PQ3/PQ2)	with Drilling	105119	106119	106118	105118	Concrete8500	1.6400	1.5027	0	Deck
105120	Thick (PQ3/PQ2)	with Drilling	105120	106120	106119	105119	Concrete8500	1.5200	1.5027	0	Deck
105121	Thick (PQ3/PQ2)	with Drilling	105121	106121	106120	105120	Concrete8500	1.4010	1.5027	0	Deck
105122	Thick (PQ3/PQ2)	with Drilling	105122	106122	106121	105121	Concrete8500	1.2940	1.1681	0	Deck
105123	Thick (PQ3/PQ2)	with Drilling	105123	106123	106122	105122	Concrete8500	1.2010	1.1691	0	Deck
105124	Thick (PQ3/PQ2)	with Drilling	105124	106124	106123	105123	Concrete8500	1.1080	1.1691	0	Deck
105125	Thick (PQ3/PQ2)	with Drilling	105125	106125	106124	105124	Concrete8500	1.0150	1.1681	0	Deck
105126	Thick (PQ3/PQ2)	with Drilling	105126	106126	106125	105125	Concrete8500	0.9210	1.1691	0	Deck
105127	Thick (PQ3/PQ2)	with Drilling	105127	106127	106126	105126	Concrete8500	0.8330	.834	0	Deck
106102	Thick (PQ3/PQ2)	with Drilling	106102	107102	107101	106101	Concrete8500	0.8330	.834	0	Deck
106103	Thick (PQ3/PQ2)	with Drilling	106103	107103	107102	106102	Concrete8500	0.9210	1.1691	0	Deck
106104	Thick (PQ3/PQ2)	with Drilling	106104	107104	107103	106103	Concrete8500	1.0150	1.1681	0	Deck
106105	Thick (PQ3/PQ2)	with Drilling	106105	107105	107104	106104	Concrete8500	1.1080	1.1691	0	Deck
106106	Thick (PQ3/PQ2)	with Drilling	106106	107106	107105	106105	Concrete8500	1.2010	1.1691	0	Deck
106107	Thick (PQ3/PQ2)	with Drilling	106107	107107	107106	106106	Concrete8500	1.2940	1.1681	0	Deck
106108	Thick (PQ3/PQ2)	with Drilling	106108	107108	107107	106107	Concrete8500	1.4010	1.5027	0	Deck
106109	Thick (PQ3/PQ2)	with Drilling	106109	107109	107108	106108	Concrete8500	1.5200	1.5027	0	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
106110	Thick (PQ3/PQ2)	with Drilling	106110	107110	107109	106109	Concrete8500	1.6400	1.5027	0	Deck
106111	Thick (PQ3/PQ2)	with Drilling	106111	107111	107110	106110	Concrete8500	1.7600	1.5027	0	Deck
106112	Thick (PQ3/PQ2)	with Drilling	106112	107112	107111	106111	Concrete8500	1.8730	1.3364	0	Deck
106113	Thick (PQ3/PQ2)	with Drilling	106113	107113	107112	106112	Concrete8500	1.9650	.9597	0	Deck
106114	Thick (PQ3/PQ2)	with Drilling	106114	107114	107113	106113	Concrete8500	1.7980	.905	0	Deck, Mid region
106115	Thick (PQ3/PQ2)	with Drilling	106115	107115	107114	106114	Concrete8500	1.7980	.905	0	Deck, Mid region
106116	Thick (PQ3/PQ2)	with Drilling	106116	107116	107115	106115	Concrete8500	1.9650	.9597	0	Deck
106117	Thick (PQ3/PQ2)	with Drilling	106117	107117	107116	106116	Concrete8500	1.8730	1.3364	0	Deck
106118	Thick (PQ3/PQ2)	with Drilling	106118	107118	107117	106117	Concrete8500	1.7600	1.5027	0	Deck
106119	Thick (PQ3/PQ2)	with Drilling	106119	107119	107118	106118	Concrete8500	1.6400	1.5027	0	Deck
106120	Thick (PQ3/PQ2)	with Drilling	106120	107120	107119	106119	Concrete8500	1.5200	1.5027	0	Deck
106121	Thick (PQ3/PQ2)	with Drilling	106121	107121	107120	106120	Concrete8500	1.4010	1.5027	0	Deck
106122	Thick (PQ3/PQ2)	with Drilling	106122	107122	107121	106121	Concrete8500	1.2940	1.1681	0	Deck
106123	Thick (PQ3/PQ2)	with Drilling	106123	107123	107122	106122	Concrete8500	1.2010	1.1691	0	Deck
106124	Thick (PQ3/PQ2)	with Drilling	106124	107124	107123	106123	Concrete8500	1.1080	1.1691	0	Deck
106125	Thick (PQ3/PQ2)	with Drilling	106125	107125	107124	106124	Concrete8500	1.0150	1.1681	0	Deck
106126	Thick (PQ3/PQ2)	with Drilling	106126	107126	107125	106125	Concrete8500	0.9210	1.1691	0	Deck
106127	Thick (PQ3/PQ2)	with Drilling	106127	107127	107126	106126	Concrete8500	0.8330	.834	0	Deck
107102	Thick (PQ3/PQ2)	with Drilling	107102	108102	108101	107101	Concrete8500	0.8330	.834	0	Deck
107103	Thick (PQ3/PQ2)	with Drilling	107103	108103	108102	107102	Concrete8500	0.9210	1.1691	0	Deck
107104	Thick (PQ3/PQ2)	with Drilling	107104	108104	108103	107103	Concrete8500	1.0150	1.1681	0	Deck
107105	Thick (PQ3/PQ2)	with Drilling	107105	108105	108104	107104	Concrete8500	1.1080	1.1691	0	Deck
107106	Thick (PQ3/PQ2)	with Drilling	107106	108106	108105	107105	Concrete8500	1.2010	1.1691	0	Deck
107107	Thick (PQ3/PQ2)	with Drilling	107107	108107	108106	107106	Concrete8500	1.2940	1.1681	0	Deck
107108	Thick (PQ3/PQ2)	with Drilling	107108	108108	108107	107107	Concrete8500	1.4010	1.5027	0	Deck
107109	Thick (PQ3/PQ2)	with Drilling	107109	108109	108108	107108	Concrete8500	1.5200	1.5027	0	Deck
107110	Thick (PQ3/PQ2)	with Drilling	107110	108110	108109	107109	Concrete8500	1.6400	1.5027	0	Deck
107111	Thick (PQ3/PQ2)	with Drilling	107111	108111	108110	107110	Concrete8500	1.7600	1.5027	0	Deck
107112	Thick (PQ3/PQ2)	with Drilling	107112	108112	108111	107111	Concrete8500	1.8730	1.3364	0	Deck
107113	Thick (PQ3/PQ2)	with Drilling	107113	108113	108112	107112	Concrete8500	1.9650	.9597	0	Deck
107114	Thick (PQ3/PQ2)	with Drilling	107114	108114	108113	107113	Concrete8500	1.7980	.905	0	Deck, Mid region
107115	Thick (PQ3/PQ2)	with Drilling	107115	108115	108114	107114	Concrete8500	1.7980	.905	0	Deck, Mid region
107116	Thick (PQ3/PQ2)	with Drilling	107116	108116	108115	107115	Concrete8500	1.9650	.9597	0	Deck
107117	Thick (PQ3/PQ2)	with Drilling	107117	108117	108116	107116	Concrete8500	1.8730	1.3364	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
107118	Thick (PQ3/PQ2)	with Drilling	107118	108118	108117	107117	Concrete8500	1.7600	1.5027	0	Deck
107119	Thick (PQ3/PQ2)	with Drilling	107119	108119	108118	107118	Concrete8500	1.6400	1.5027	0	Deck
107120	Thick (PQ3/PQ2)	with Drilling	107120	108120	108119	107119	Concrete8500	1.5200	1.5027	0	Deck
107121	Thick (PQ3/PQ2)	with Drilling	107121	108121	108120	107120	Concrete8500	1.4010	1.5027	0	Deck
107122	Thick (PQ3/PQ2)	with Drilling	107122	108122	108121	107121	Concrete8500	1.2940	1.1681	0	Deck
107123	Thick (PQ3/PQ2)	with Drilling	107123	108123	108122	107122	Concrete8500	1.2010	1.1691	0	Deck
107124	Thick (PQ3/PQ2)	with Drilling	107124	108124	108123	107123	Concrete8500	1.1080	1.1691	0	Deck
107125	Thick (PQ3/PQ2)	with Drilling	107125	108125	108124	107124	Concrete8500	1.0150	1.1681	0	Deck
107126	Thick (PQ3/PQ2)	with Drilling	107126	108126	108125	107125	Concrete8500	0.9210	1.1691	0	Deck
107127	Thick (PQ3/PQ2)	with Drilling	107127	108127	108126	107126	Concrete8500	0.8330	.834	0	Deck
108102	Thick (PQ3/PQ2)	with Drilling	108102	109102	109101	108101	Concrete8500	0.8330	.834	0	Deck
108103	Thick (PQ3/PQ2)	with Drilling	108103	109103	109102	108102	Concrete8500	0.9210	1.1691	0	Deck
108104	Thick (PQ3/PQ2)	with Drilling	108104	109104	109103	108103	Concrete8500	1.0150	1.1681	0	Deck
108105	Thick (PQ3/PQ2)	with Drilling	108105	109105	109104	108104	Concrete8500	1.1080	1.1691	0	Deck
108106	Thick (PQ3/PQ2)	with Drilling	108106	109106	109105	108105	Concrete8500	1.2010	1.1691	0	Deck
108107	Thick (PQ3/PQ2)	with Drilling	108107	109107	109106	108106	Concrete8500	1.2940	1.1681	0	Deck
108108	Thick (PQ3/PQ2)	with Drilling	108108	109108	109107	108107	Concrete8500	1.4010	1.5027	0	Deck
108109	Thick (PQ3/PQ2)	with Drilling	108109	109109	109108	108108	Concrete8500	1.5200	1.5027	0	Deck
108110	Thick (PQ3/PQ2)	with Drilling	108110	109110	109109	108109	Concrete8500	1.6400	1.5027	0	Deck
108111	Thick (PQ3/PQ2)	with Drilling	108111	109111	109110	108110	Concrete8500	1.7600	1.5027	0	Deck
108112	Thick (PQ3/PQ2)	with Drilling	108112	109112	109111	108111	Concrete8500	1.8730	1.3364	0	Deck
108113	Thick (PQ3/PQ2)	with Drilling	108113	109113	109112	108112	Concrete8500	1.9650	.9597	0	Deck
108114	Thick (PQ3/PQ2)	with Drilling	108114	109114	109113	108113	Concrete8500	1.7980	.905	0	Deck
108115	Thick (PQ3/PQ2)	with Drilling	108115	109115	109114	108114	Concrete8500	1.7980	.905	0	Deck
108116	Thick (PQ3/PQ2)	with Drilling	108116	109116	109115	108115	Concrete8500	1.9650	.9597	0	Deck
108117	Thick (PQ3/PQ2)	with Drilling	108117	109117	109116	108116	Concrete8500	1.8730	1.3364	0	Deck
108118	Thick (PQ3/PQ2)	with Drilling	108118	109118	109117	108117	Concrete8500	1.7600	1.5027	0	Deck
108119	Thick (PQ3/PQ2)	with Drilling	108119	109119	109118	108118	Concrete8500	1.6400	1.5027	0	Deck
108120	Thick (PQ3/PQ2)	with Drilling	108120	109120	109119	108119	Concrete8500	1.5200	1.5027	0	Deck
108121	Thick (PQ3/PQ2)	with Drilling	108121	109121	109120	108120	Concrete8500	1.4010	1.5027	0	Deck
108122	Thick (PQ3/PQ2)	with Drilling	108122	109122	109121	108121	Concrete8500	1.2940	1.1681	0	Deck
108123	Thick (PQ3/PQ2)	with Drilling	108123	109123	109122	108122	Concrete8500	1.2010	1.1691	0	Deck
108124	Thick (PQ3/PQ2)	with Drilling	108124	109124	109123	108123	Concrete8500	1.1080	1.1691	0	Deck
108125	Thick (PQ3/PQ2)	with Drilling	108125	109125	109124	108124	Concrete8500	1.0150	1.1681	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
108126	Thick (PQ3/PQ2)	with Drilling	108126	109126	109125	108125	Concrete8500	0.9210	1.1691	0	Deck
108127	Thick (PQ3/PQ2)	with Drilling	108127	109127	109126	108126	Concrete8500	0.8330	.834	0	Deck
109102	Thick (PQ3/PQ2)	with Drilling	109102	110102	110101	109101	Concrete8500	0.8330	.834	0	Deck
109103	Thick (PQ3/PQ2)	with Drilling	109103	110103	110102	109102	Concrete8500	0.9210	1.1691	0	Deck
109104	Thick (PQ3/PQ2)	with Drilling	109104	110104	110103	109103	Concrete8500	1.0150	1.1681	0	Deck
109105	Thick (PQ3/PQ2)	with Drilling	109105	110105	110104	109104	Concrete8500	1.1080	1.1691	0	Deck
109106	Thick (PQ3/PQ2)	with Drilling	109106	110106	110105	109105	Concrete8500	1.2010	1.1691	0	Deck
109107	Thick (PQ3/PQ2)	with Drilling	109107	110107	110106	109106	Concrete8500	1.2940	1.1681	0	Deck
109108	Thick (PQ3/PQ2)	with Drilling	109108	110108	110107	109107	Concrete8500	1.4010	1.5027	0	Deck
109109	Thick (PQ3/PQ2)	with Drilling	109109	110109	110108	109108	Concrete8500	1.5200	1.5027	0	Deck
109110	Thick (PQ3/PQ2)	with Drilling	109110	110110	110109	109109	Concrete8500	1.6400	1.5027	0	Deck
109111	Thick (PQ3/PQ2)	with Drilling	109111	110111	110110	109110	Concrete8500	1.7600	1.5027	0	Deck
109112	Thick (PQ3/PQ2)	with Drilling	109112	110112	110111	109111	Concrete8500	1.8730	1.3364	0	Deck
109113	Thick (PQ3/PQ2)	with Drilling	109113	110113	110112	109112	Concrete8500	1.9650	.9597	0	Deck
109114	Thick (PQ3/PQ2)	with Drilling	109114	110114	110113	109113	Concrete8500	1.7980	.905	0	Deck
109115	Thick (PQ3/PQ2)	with Drilling	109115	110115	110114	109114	Concrete8500	1.7980	.905	0	Deck
109116	Thick (PQ3/PQ2)	with Drilling	109116	110116	110115	109115	Concrete8500	1.9650	.9597	0	Deck
109117	Thick (PQ3/PQ2)	with Drilling	109117	110117	110116	109116	Concrete8500	1.8730	1.3364	0	Deck
109118	Thick (PQ3/PQ2)	with Drilling	109118	110118	110117	109117	Concrete8500	1.7600	1.5027	0	Deck
109119	Thick (PQ3/PQ2)	with Drilling	109119	110119	110118	109118	Concrete8500	1.6400	1.5027	0	Deck
109120	Thick (PQ3/PQ2)	with Drilling	109120	110120	110119	109119	Concrete8500	1.5200	1.5027	0	Deck
109121	Thick (PQ3/PQ2)	with Drilling	109121	110121	110120	109120	Concrete8500	1.4010	1.5027	0	Deck
109122	Thick (PQ3/PQ2)	with Drilling	109122	110122	110121	109121	Concrete8500	1.2940	1.1681	0	Deck
109123	Thick (PQ3/PQ2)	with Drilling	109123	110123	110122	109122	Concrete8500	1.2010	1.1691	0	Deck
109124	Thick (PQ3/PQ2)	with Drilling	109124	110124	110123	109123	Concrete8500	1.1080	1.1691	0	Deck
109125	Thick (PQ3/PQ2)	with Drilling	109125	110125	110124	109124	Concrete8500	1.0150	1.1681	0	Deck
109126	Thick (PQ3/PQ2)	with Drilling	109126	110126	110125	109125	Concrete8500	0.9210	1.1691	0	Deck
109127	Thick (PQ3/PQ2)	with Drilling	109127	110127	110126	109126	Concrete8500	0.8330	.834	0	Deck
110102	Thick (PQ3/PQ2)	with Drilling	110102	111102	111101	110101	Concrete8500	0.8330	.834	0	Deck
110103	Thick (PQ3/PQ2)	with Drilling	110103	111103	111102	110102	Concrete8500	0.9210	1.1691	0	Deck
110104	Thick (PQ3/PQ2)	with Drilling	110104	111104	111103	110103	Concrete8500	1.0150	1.1681	0	Deck
110105	Thick (PQ3/PQ2)	with Drilling	110105	111105	111104	110104	Concrete8500	1.1080	1.1691	0	Deck
110106	Thick (PQ3/PQ2)	with Drilling	110106	111106	111105	110105	Concrete8500	1.2010	1.1691	0	Deck
110107	Thick (PQ3/PQ2)	with Drilling	110107	111107	111106	110106	Concrete8500	1.2940	1.1681	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
110108	Thick (PQ3/PQ2)	with Drilling	110108	111108	111107	110107	Concrete8500	1.4010	1.5027	0	Deck
110109	Thick (PQ3/PQ2)	with Drilling	110109	111109	111108	110108	Concrete8500	1.5200	1.5027	0	Deck
110110	Thick (PQ3/PQ2)	with Drilling	110110	111110	111109	110109	Concrete8500	1.6400	1.5027	0	Deck
110111	Thick (PQ3/PQ2)	with Drilling	110111	111111	111110	110110	Concrete8500	1.7600	1.5027	0	Deck
110112	Thick (PQ3/PQ2)	with Drilling	110112	111112	111111	110111	Concrete8500	1.8730	1.3364	0	Deck
110113	Thick (PQ3/PQ2)	with Drilling	110113	111113	111112	110112	Concrete8500	1.9650	.9597	0	Deck
110114	Thick (PQ3/PQ2)	with Drilling	110114	111114	111113	110113	Concrete8500	1.7980	.905	0	Deck
110115	Thick (PQ3/PQ2)	with Drilling	110115	111115	111114	110114	Concrete8500	1.7980	.905	0	Deck
110116	Thick (PQ3/PQ2)	with Drilling	110116	111116	111115	110115	Concrete8500	1.9650	.9597	0	Deck
110117	Thick (PQ3/PQ2)	with Drilling	110117	111117	111116	110116	Concrete8500	1.8730	1.3364	0	Deck
110118	Thick (PQ3/PQ2)	with Drilling	110118	111118	111117	110117	Concrete8500	1.7600	1.5027	0	Deck
110119	Thick (PQ3/PQ2)	with Drilling	110119	111119	111118	110118	Concrete8500	1.6400	1.5027	0	Deck
110120	Thick (PQ3/PQ2)	with Drilling	110120	111120	111119	110119	Concrete8500	1.5200	1.5027	0	Deck
110121	Thick (PQ3/PQ2)	with Drilling	110121	111121	111120	110120	Concrete8500	1.4010	1.5027	0	Deck
110122	Thick (PQ3/PQ2)	with Drilling	110122	111122	111121	110121	Concrete8500	1.2940	1.1681	0	Deck
110123	Thick (PQ3/PQ2)	with Drilling	110123	111123	111122	110122	Concrete8500	1.2010	1.1691	0	Deck
110124	Thick (PQ3/PQ2)	with Drilling	110124	111124	111123	110123	Concrete8500	1.1080	1.1691	0	Deck
110125	Thick (PQ3/PQ2)	with Drilling	110125	111125	111124	110124	Concrete8500	1.0150	1.1681	0	Deck
110126	Thick (PQ3/PQ2)	with Drilling	110126	111126	111125	110125	Concrete8500	0.9210	1.1691	0	Deck
110127	Thick (PQ3/PQ2)	with Drilling	110127	111127	111126	110126	Concrete8500	0.8330	.834	0	Deck
111102	Thick (PQ3/PQ2)	with Drilling	111102	112102	112101	111101	Concrete8500	0.8330	.834	0	Deck
111103	Thick (PQ3/PQ2)	with Drilling	111103	112103	112102	111102	Concrete8500	0.9210	1.1691	0	Deck
111104	Thick (PQ3/PQ2)	with Drilling	111104	112104	112103	111103	Concrete8500	1.0150	1.1681	0	Deck
111105	Thick (PQ3/PQ2)	with Drilling	111105	112105	112104	111104	Concrete8500	1.1080	1.1691	0	Deck
111106	Thick (PQ3/PQ2)	with Drilling	111106	112106	112105	111105	Concrete8500	1.2010	1.1691	0	Deck
111107	Thick (PQ3/PQ2)	with Drilling	111107	112107	112106	111106	Concrete8500	1.2940	1.1681	0	Deck
111108	Thick (PQ3/PQ2)	with Drilling	111108	112108	112107	111107	Concrete8500	1.4010	1.5027	0	Deck
111109	Thick (PQ3/PQ2)	with Drilling	111109	112109	112108	111108	Concrete8500	1.5200	1.5027	0	Deck
111110	Thick (PQ3/PQ2)	with Drilling	111110	112110	112109	111109	Concrete8500	1.6400	1.5027	0	Deck
111111	Thick (PQ3/PQ2)	with Drilling	111111	112111	112110	111110	Concrete8500	1.7600	1.5027	0	Deck
111112	Thick (PQ3/PQ2)	with Drilling	111112	112112	112111	111111	Concrete8500	1.8730	1.3364	0	Deck
111113	Thick (PQ3/PQ2)	with Drilling	111113	112113	112112	111112	Concrete8500	1.9650	.9597	0	Deck
111114	Thick (PQ3/PQ2)	with Drilling	111114	112114	112113	111113	Concrete8500	1.7980	.905	0	Deck
111115	Thick (PQ3/PQ2)	with Drilling	111115	112115	112114	111114	Concrete8500	1.7980	.905	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
111116	Thick (PQ3/PQ2)	with Drilling	111116	112116	112115	111115	Concrete8500	1.9650	.9597	0	Deck
111117	Thick (PQ3/PQ2)	with Drilling	111117	112117	112116	111116	Concrete8500	1.8730	1.3364	0	Deck
111118	Thick (PQ3/PQ2)	with Drilling	111118	112118	112117	111117	Concrete8500	1.7600	1.5027	0	Deck
111119	Thick (PQ3/PQ2)	with Drilling	111119	112119	112118	111118	Concrete8500	1.6400	1.5027	0	Deck
111120	Thick (PQ3/PQ2)	with Drilling	111120	112120	112119	111119	Concrete8500	1.5200	1.5027	0	Deck
111121	Thick (PQ3/PQ2)	with Drilling	111121	112121	112120	111120	Concrete8500	1.4010	1.5027	0	Deck
111122	Thick (PQ3/PQ2)	with Drilling	111122	112122	112121	111121	Concrete8500	1.2940	1.1681	0	Deck
111123	Thick (PQ3/PQ2)	with Drilling	111123	112123	112122	111122	Concrete8500	1.2010	1.1691	0	Deck
111124	Thick (PQ3/PQ2)	with Drilling	111124	112124	112123	111123	Concrete8500	1.1080	1.1691	0	Deck
111125	Thick (PQ3/PQ2)	with Drilling	111125	112125	112124	111124	Concrete8500	1.0150	1.1681	0	Deck
111126	Thick (PQ3/PQ2)	with Drilling	111126	112126	112125	111125	Concrete8500	0.9210	1.1691	0	Deck
111127	Thick (PQ3/PQ2)	with Drilling	111127	112127	112126	111126	Concrete8500	0.8330	.834	0	Deck
112102	Thick (PQ3/PQ2)	with Drilling	112102	113102	113101	112101	Concrete8500	0.8330	.834	0	Deck
112103	Thick (PQ3/PQ2)	with Drilling	112103	113103	113102	112102	Concrete8500	0.9210	1.1691	0	Deck
112104	Thick (PQ3/PQ2)	with Drilling	112104	113104	113103	112103	Concrete8500	1.0150	1.1681	0	Deck
112105	Thick (PQ3/PQ2)	with Drilling	112105	113105	113104	112104	Concrete8500	1.1080	1.1691	0	Deck
112106	Thick (PQ3/PQ2)	with Drilling	112106	113106	113105	112105	Concrete8500	1.2010	1.1691	0	Deck
112107	Thick (PQ3/PQ2)	with Drilling	112107	113107	113106	112106	Concrete8500	1.2940	1.1681	0	Deck
112108	Thick (PQ3/PQ2)	with Drilling	112108	113108	113107	112107	Concrete8500	1.4010	1.5027	0	Deck
112109	Thick (PQ3/PQ2)	with Drilling	112109	113109	113108	112108	Concrete8500	1.5200	1.5027	0	Deck
112110	Thick (PQ3/PQ2)	with Drilling	112110	113110	113109	112109	Concrete8500	1.6400	1.5027	0	Deck
112111	Thick (PQ3/PQ2)	with Drilling	112111	113111	113110	112110	Concrete8500	1.7600	1.5027	0	Deck
112112	Thick (PQ3/PQ2)	with Drilling	112112	113112	113111	112111	Concrete8500	1.8730	1.3364	0	Deck
112113	Thick (PQ3/PQ2)	with Drilling	112113	113113	113112	112112	Concrete8500	1.9650	.9597	0	Deck
112114	Thick (PQ3/PQ2)	with Drilling	112114	113114	113113	112113	Concrete8500	1.7980	.905	0	Deck
112115	Thick (PQ3/PQ2)	with Drilling	112115	113115	113114	112114	Concrete8500	1.7980	.905	0	Deck
112116	Thick (PQ3/PQ2)	with Drilling	112116	113116	113115	112115	Concrete8500	1.9650	.9597	0	Deck
112117	Thick (PQ3/PQ2)	with Drilling	112117	113117	113116	112116	Concrete8500	1.8730	1.3364	0	Deck
112118	Thick (PQ3/PQ2)	with Drilling	112118	113118	113117	112117	Concrete8500	1.7600	1.5027	0	Deck
112119	Thick (PQ3/PQ2)	with Drilling	112119	113119	113118	112118	Concrete8500	1.6400	1.5027	0	Deck
112120	Thick (PQ3/PQ2)	with Drilling	112120	113120	113119	112119	Concrete8500	1.5200	1.5027	0	Deck
112121	Thick (PQ3/PQ2)	with Drilling	112121	113121	113120	112120	Concrete8500	1.4010	1.5027	0	Deck
112122	Thick (PQ3/PQ2)	with Drilling	112122	113122	113121	112121	Concrete8500	1.2940	1.1681	0	Deck
112123	Thick (PQ3/PQ2)	with Drilling	112123	113123	113122	112122	Concrete8500	1.2010	1.1691	0	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
112124	Thick (PQ3/PQ2)	with Drilling	112124	113124	113123	112123	Concrete8500	1.1080	1.1691	0	Deck
112125	Thick (PQ3/PQ2)	with Drilling	112125	113125	113124	112124	Concrete8500	1.0150	1.1681	0	Deck
112126	Thick (PQ3/PQ2)	with Drilling	112126	113126	113125	112125	Concrete8500	0.9210	1.1691	0	Deck
112127	Thick (PQ3/PQ2)	with Drilling	112127	113127	113126	112126	Concrete8500	0.8330	.834	0	Deck
113102	Thick (PQ3/PQ2)	with Drilling	113102	114102	114101	113101	Concrete8500	0.8330	.834	0	Deck
113103	Thick (PQ3/PQ2)	with Drilling	113103	114103	114102	113102	Concrete8500	0.9210	1.1691	0	Deck
113104	Thick (PQ3/PQ2)	with Drilling	113104	114104	114103	113103	Concrete8500	1.0150	1.1681	0	Deck
113105	Thick (PQ3/PQ2)	with Drilling	113105	114105	114104	113104	Concrete8500	1.1080	1.1691	0	Deck
113106	Thick (PQ3/PQ2)	with Drilling	113106	114106	114105	113105	Concrete8500	1.2010	1.1691	0	Deck
113107	Thick (PQ3/PQ2)	with Drilling	113107	114107	114106	113106	Concrete8500	1.2940	1.1681	0	Deck
113108	Thick (PQ3/PQ2)	with Drilling	113108	114108	114107	113107	Concrete8500	1.4010	1.5027	0	Deck
113109	Thick (PQ3/PQ2)	with Drilling	113109	114109	114108	113108	Concrete8500	1.5200	1.5027	0	Deck
113110	Thick (PQ3/PQ2)	with Drilling	113110	114110	114109	113109	Concrete8500	1.6400	1.5027	0	Deck
113111	Thick (PQ3/PQ2)	with Drilling	113111	114111	114110	113110	Concrete8500	1.7600	1.5027	0	Deck
113112	Thick (PQ3/PQ2)	with Drilling	113112	114112	114111	113111	Concrete8500	1.8730	1.3364	0	Deck
113113	Thick (PQ3/PQ2)	with Drilling	113113	114113	114112	113112	Concrete8500	1.9650	.9597	0	Deck
113114	Thick (PQ3/PQ2)	with Drilling	113114	114114	114113	113113	Concrete8500	1.7980	.905	0	Deck
113115	Thick (PQ3/PQ2)	with Drilling	113115	114115	114114	113114	Concrete8500	1.7980	.905	0	Deck
113116	Thick (PQ3/PQ2)	with Drilling	113116	114116	114115	113115	Concrete8500	1.9650	.9597	0	Deck
113117	Thick (PQ3/PQ2)	with Drilling	113117	114117	114116	113116	Concrete8500	1.8730	1.3364	0	Deck
113118	Thick (PQ3/PQ2)	with Drilling	113118	114118	114117	113117	Concrete8500	1.7600	1.5027	0	Deck
113119	Thick (PQ3/PQ2)	with Drilling	113119	114119	114118	113118	Concrete8500	1.6400	1.5027	0	Deck
113120	Thick (PQ3/PQ2)	with Drilling	113120	114120	114119	113119	Concrete8500	1.5200	1.5027	0	Deck
113121	Thick (PQ3/PQ2)	with Drilling	113121	114121	114120	113120	Concrete8500	1.4010	1.5027	0	Deck
113122	Thick (PQ3/PQ2)	with Drilling	113122	114122	114121	113121	Concrete8500	1.2940	1.1681	0	Deck
113123	Thick (PQ3/PQ2)	with Drilling	113123	114123	114122	113122	Concrete8500	1.2010	1.1691	0	Deck
113124	Thick (PQ3/PQ2)	with Drilling	113124	114124	114123	113123	Concrete8500	1.1080	1.1691	0	Deck
113125	Thick (PQ3/PQ2)	with Drilling	113125	114125	114124	113124	Concrete8500	1.0150	1.1681	0	Deck
113126	Thick (PQ3/PQ2)	with Drilling	113126	114126	114125	113125	Concrete8500	0.9210	1.1691	0	Deck
113127	Thick (PQ3/PQ2)	with Drilling	113127	114127	114126	113126	Concrete8500	0.8330	.834	0	Deck
114102	Thick (PQ3/PQ2)	with Drilling	114102	115102	115101	114101	Concrete8500	0.8330	.834	0	Deck
114103	Thick (PQ3/PQ2)	with Drilling	114103	115103	115102	114102	Concrete8500	0.9210	1.1691	0	Deck
114104	Thick (PQ3/PQ2)	with Drilling	114104	115104	115103	114103	Concrete8500	1.0150	1.1681	0	Deck
114105	Thick (PQ3/PQ2)	with Drilling	114105	115105	115104	114104	Concrete8500	1.1080	1.1691	0	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
114106	Thick (PQ3/PQ2)	with Drilling	114106	115106	115105	114105	Concrete8500	1.2010	1.1691	0	Deck
114107	Thick (PQ3/PQ2)	with Drilling	114107	115107	115106	114106	Concrete8500	1.2940	1.1681	0	Deck
114108	Thick (PQ3/PQ2)	with Drilling	114108	115108	115107	114107	Concrete8500	1.4010	1.5027	0	Deck
114109	Thick (PQ3/PQ2)	with Drilling	114109	115109	115108	114108	Concrete8500	1.5200	1.5027	0	Deck
114110	Thick (PQ3/PQ2)	with Drilling	114110	115110	115109	114109	Concrete8500	1.6400	1.5027	0	Deck
114111	Thick (PQ3/PQ2)	with Drilling	114111	115111	115110	114110	Concrete8500	1.7600	1.5027	0	Deck
114112	Thick (PQ3/PQ2)	with Drilling	114112	115112	115111	114111	Concrete8500	1.8730	1.3364	0	Deck
114113	Thick (PQ3/PQ2)	with Drilling	114113	115113	115112	114112	Concrete8500	1.9650	.9597	0	Deck
114114	Thick (PQ3/PQ2)	with Drilling	114114	115114	115113	114113	Concrete8500	1.7980	.905	0	Deck
114115	Thick (PQ3/PQ2)	with Drilling	114115	115115	115114	114114	Concrete8500	1.7980	.905	0	Deck
114116	Thick (PQ3/PQ2)	with Drilling	114116	115116	115115	114115	Concrete8500	1.9650	.9597	0	Deck
114117	Thick (PQ3/PQ2)	with Drilling	114117	115117	115116	114116	Concrete8500	1.8730	1.3364	0	Deck
114118	Thick (PQ3/PQ2)	with Drilling	114118	115118	115117	114117	Concrete8500	1.7600	1.5027	0	Deck
114119	Thick (PQ3/PQ2)	with Drilling	114119	115119	115118	114118	Concrete8500	1.6400	1.5027	0	Deck
114120	Thick (PQ3/PQ2)	with Drilling	114120	115120	115119	114119	Concrete8500	1.5200	1.5027	0	Deck
114121	Thick (PQ3/PQ2)	with Drilling	114121	115121	115120	114120	Concrete8500	1.4010	1.5027	0	Deck
114122	Thick (PQ3/PQ2)	with Drilling	114122	115122	115121	114121	Concrete8500	1.2940	1.1681	0	Deck
114123	Thick (PQ3/PQ2)	with Drilling	114123	115123	115122	114122	Concrete8500	1.2010	1.1691	0	Deck
114124	Thick (PQ3/PQ2)	with Drilling	114124	115124	115123	114123	Concrete8500	1.1080	1.1691	0	Deck
114125	Thick (PQ3/PQ2)	with Drilling	114125	115125	115124	114124	Concrete8500	1.0150	1.1681	0	Deck
114126	Thick (PQ3/PQ2)	with Drilling	114126	115126	115125	114125	Concrete8500	0.9210	1.1691	0	Deck
114127	Thick (PQ3/PQ2)	with Drilling	114127	115127	115126	114126	Concrete8500	0.8330	.834	0	Deck
115102	Thick (PQ3/PQ2)	with Drilling	115102	116102	116101	115101	Concrete8500	0.8330	.834	0	Deck
115103	Thick (PQ3/PQ2)	with Drilling	115103	116103	116102	115102	Concrete8500	0.9210	1.1691	0	Deck
115104	Thick (PQ3/PQ2)	with Drilling	115104	116104	116103	115103	Concrete8500	1.0150	1.1681	0	Deck
115105	Thick (PQ3/PQ2)	with Drilling	115105	116105	116104	115104	Concrete8500	1.1080	1.1691	0	Deck
115106	Thick (PQ3/PQ2)	with Drilling	115106	116106	116105	115105	Concrete8500	1.2010	1.1691	0	Deck
115107	Thick (PQ3/PQ2)	with Drilling	115107	116107	116106	115106	Concrete8500	1.2940	1.1681	0	Deck
115108	Thick (PQ3/PQ2)	with Drilling	115108	116108	116107	115107	Concrete8500	1.4010	1.5027	0	Deck
115109	Thick (PQ3/PQ2)	with Drilling	115109	116109	116108	115108	Concrete8500	1.5200	1.5027	0	Deck
115110	Thick (PQ3/PQ2)	with Drilling	115110	116110	116109	115109	Concrete8500	1.6400	1.5027	0	Deck
115111	Thick (PQ3/PQ2)	with Drilling	115111	116111	116110	115110	Concrete8500	1.7600	1.5027	0	Deck
115112	Thick (PQ3/PQ2)	with Drilling	115112	116112	116111	115111	Concrete8500	1.8730	1.3364	0	Deck
115113	Thick (PQ3/PQ2)	with Drilling	115113	116113	116112	115112	Concrete8500	1.9650	.9597	0	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
115114	Thick (PQ3/PQ2)	with Drilling	115114	116114	116113	115113	Concrete8500	1.7980	.905	0	Deck
115115	Thick (PQ3/PQ2)	with Drilling	115115	116115	116114	115114	Concrete8500	1.7980	.905	0	Deck
115116	Thick (PQ3/PQ2)	with Drilling	115116	116116	116115	115115	Concrete8500	1.9650	.9597	0	Deck
115117	Thick (PQ3/PQ2)	with Drilling	115117	116117	116116	115116	Concrete8500	1.8730	1.3364	0	Deck
115118	Thick (PQ3/PQ2)	with Drilling	115118	116118	116117	115117	Concrete8500	1.7600	1.5027	0	Deck
115119	Thick (PQ3/PQ2)	with Drilling	115119	116119	116118	115118	Concrete8500	1.6400	1.5027	0	Deck
115120	Thick (PQ3/PQ2)	with Drilling	115120	116120	116119	115119	Concrete8500	1.5200	1.5027	0	Deck
115121	Thick (PQ3/PQ2)	with Drilling	115121	116121	116120	115120	Concrete8500	1.4010	1.5027	0	Deck
115122	Thick (PQ3/PQ2)	with Drilling	115122	116122	116121	115121	Concrete8500	1.2940	1.1681	0	Deck
115123	Thick (PQ3/PQ2)	with Drilling	115123	116123	116122	115122	Concrete8500	1.2010	1.1691	0	Deck
115124	Thick (PQ3/PQ2)	with Drilling	115124	116124	116123	115123	Concrete8500	1.1080	1.1691	0	Deck
115125	Thick (PQ3/PQ2)	with Drilling	115125	116125	116124	115124	Concrete8500	1.0150	1.1681	0	Deck
115126	Thick (PQ3/PQ2)	with Drilling	115126	116126	116125	115125	Concrete8500	0.9210	1.1691	0	Deck
115127	Thick (PQ3/PQ2)	with Drilling	115127	116127	116126	115126	Concrete8500	0.8330	.834	0	Deck
116102	Thick (PQ3/PQ2)	with Drilling	116102	117102	117101	116101	Concrete8500	0.8330	.834	0	Deck
116103	Thick (PQ3/PQ2)	with Drilling	116103	117103	117102	116102	Concrete8500	0.9210	1.1691	0	Deck
116104	Thick (PQ3/PQ2)	with Drilling	116104	117104	117103	116103	Concrete8500	1.0150	1.1681	0	Deck
116105	Thick (PQ3/PQ2)	with Drilling	116105	117105	117104	116104	Concrete8500	1.1080	1.1691	0	Deck
116106	Thick (PQ3/PQ2)	with Drilling	116106	117106	117105	116105	Concrete8500	1.2010	1.1691	0	Deck
116107	Thick (PQ3/PQ2)	with Drilling	116107	117107	117106	116106	Concrete8500	1.2940	1.1681	0	Deck
116108	Thick (PQ3/PQ2)	with Drilling	116108	117108	117107	116107	Concrete8500	1.4010	1.5027	0	Deck
116109	Thick (PQ3/PQ2)	with Drilling	116109	117109	117108	116108	Concrete8500	1.5200	1.5027	0	Deck
116110	Thick (PQ3/PQ2)	with Drilling	116110	117110	117109	116109	Concrete8500	1.6400	1.5027	0	Deck
116111	Thick (PQ3/PQ2)	with Drilling	116111	117111	117110	116110	Concrete8500	1.7600	1.5027	0	Deck
116112	Thick (PQ3/PQ2)	with Drilling	116112	117112	117111	116111	Concrete8500	1.8730	1.3364	0	Deck
116113	Thick (PQ3/PQ2)	with Drilling	116113	117113	117112	116112	Concrete8500	1.9650	.9597	0	Deck
116114	Thick (PQ3/PQ2)	with Drilling	116114	117114	117113	116113	Concrete8500	1.7980	.905	0	Deck
116115	Thick (PQ3/PQ2)	with Drilling	116115	117115	117114	116114	Concrete8500	1.7980	.905	0	Deck
116116	Thick (PQ3/PQ2)	with Drilling	116116	117116	117115	116115	Concrete8500	1.9650	.9597	0	Deck
116117	Thick (PQ3/PQ2)	with Drilling	116117	117117	117116	116116	Concrete8500	1.8730	1.3364	0	Deck
116118	Thick (PQ3/PQ2)	with Drilling	116118	117118	117117	116117	Concrete8500	1.7600	1.5027	0	Deck
116119	Thick (PQ3/PQ2)	with Drilling	116119	117119	117118	116118	Concrete8500	1.6400	1.5027	0	Deck
116120	Thick (PQ3/PQ2)	with Drilling	116120	117120	117119	116119	Concrete8500	1.5200	1.5027	0	Deck
116121	Thick (PQ3/PQ2)	with Drilling	116121	117121	117120	116120	Concrete8500	1.4010	1.5027	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
116122	Thick (PQ3/PQ2)	with Drilling	116122	117122	117121	116121	Concrete8500	1.2940	1.1681	0	Deck
116123	Thick (PQ3/PQ2)	with Drilling	116123	117123	117122	116122	Concrete8500	1.2010	1.1691	0	Deck
116124	Thick (PQ3/PQ2)	with Drilling	116124	117124	117123	116123	Concrete8500	1.1080	1.1691	0	Deck
116125	Thick (PQ3/PQ2)	with Drilling	116125	117125	117124	116124	Concrete8500	1.0150	1.1681	0	Deck
116126	Thick (PQ3/PQ2)	with Drilling	116126	117126	117125	116125	Concrete8500	0.9210	1.1691	0	Deck
116127	Thick (PQ3/PQ2)	with Drilling	116127	117127	117126	116126	Concrete8500	0.8330	.834	0	Deck
117102	Thick (PQ3/PQ2)	with Drilling	117102	118102	118101	117101	Concrete8500	0.8330	.834	0	Deck
117103	Thick (PQ3/PQ2)	with Drilling	117103	118103	118102	117102	Concrete8500	0.9210	1.1691	0	Deck
117104	Thick (PQ3/PQ2)	with Drilling	117104	118104	118103	117103	Concrete8500	1.0150	1.1681	0	Deck
117105	Thick (PQ3/PQ2)	with Drilling	117105	118105	118104	117104	Concrete8500	1.1080	1.1691	0	Deck
117106	Thick (PQ3/PQ2)	with Drilling	117106	118106	118105	117105	Concrete8500	1.2010	1.1691	0	Deck
117107	Thick (PQ3/PQ2)	with Drilling	117107	118107	118106	117106	Concrete8500	1.2940	1.1681	0	Deck
117108	Thick (PQ3/PQ2)	with Drilling	117108	118108	118107	117107	Concrete8500	1.4010	1.5027	0	Deck
117109	Thick (PQ3/PQ2)	with Drilling	117109	118109	118108	117108	Concrete8500	1.5200	1.5027	0	Deck
117110	Thick (PQ3/PQ2)	with Drilling	117110	118110	118109	117109	Concrete8500	1.6400	1.5027	0	Deck
117111	Thick (PQ3/PQ2)	with Drilling	117111	118111	118110	117110	Concrete8500	1.7600	1.5027	0	Deck
117112	Thick (PQ3/PQ2)	with Drilling	117112	118112	118111	117111	Concrete8500	1.8730	1.3364	0	Deck
117113	Thick (PQ3/PQ2)	with Drilling	117113	118113	118112	117112	Concrete8500	1.9650	.9597	0	Deck
117114	Thick (PQ3/PQ2)	with Drilling	117114	118114	118113	117113	Concrete8500	1.7980	.905	0	Deck
117115	Thick (PQ3/PQ2)	with Drilling	117115	118115	118114	117114	Concrete8500	1.7980	.905	0	Deck
117116	Thick (PQ3/PQ2)	with Drilling	117116	118116	118115	117115	Concrete8500	1.9650	.9597	0	Deck
117117	Thick (PQ3/PQ2)	with Drilling	117117	118117	118116	117116	Concrete8500	1.8730	1.3364	0	Deck
117118	Thick (PQ3/PQ2)	with Drilling	117118	118118	118117	117117	Concrete8500	1.7600	1.5027	0	Deck
117119	Thick (PQ3/PQ2)	with Drilling	117119	118119	118118	117118	Concrete8500	1.6400	1.5027	0	Deck
117120	Thick (PQ3/PQ2)	with Drilling	117120	118120	118119	117119	Concrete8500	1.5200	1.5027	0	Deck
117121	Thick (PQ3/PQ2)	with Drilling	117121	118121	118120	117120	Concrete8500	1.4010	1.5027	0	Deck
117122	Thick (PQ3/PQ2)	with Drilling	117122	118122	118121	117121	Concrete8500	1.2940	1.1681	0	Deck
117123	Thick (PQ3/PQ2)	with Drilling	117123	118123	118122	117122	Concrete8500	1.2010	1.1691	0	Deck
117124	Thick (PQ3/PQ2)	with Drilling	117124	118124	118123	117123	Concrete8500	1.1080	1.1691	0	Deck
117125	Thick (PQ3/PQ2)	with Drilling	117125	118125	118124	117124	Concrete8500	1.0150	1.1681	0	Deck
117126	Thick (PQ3/PQ2)	with Drilling	117126	118126	118125	117125	Concrete8500	0.9210	1.1691	0	Deck
117127	Thick (PQ3/PQ2)	with Drilling	117127	118127	118126	117126	Concrete8500	0.8330	.834	0	Deck
118102	Thick (PQ3/PQ2)	with Drilling	118102	119102	119101	118101	Concrete8500	0.8330	.834	0	Deck
118103	Thick (PQ3/PQ2)	with Drilling	118103	119103	119102	118102	Concrete8500	0.9210	1.1691	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
118104	Thick (PQ3/PQ2)	with Drilling	118104	119104	119103	118103	Concrete8500	1.0150	1.1681	0	Deck
118105	Thick (PQ3/PQ2)	with Drilling	118105	119105	119104	118104	Concrete8500	1.1080	1.1691	0	Deck
118106	Thick (PQ3/PQ2)	with Drilling	118106	119106	119105	118105	Concrete8500	1.2010	1.1691	0	Deck
118107	Thick (PQ3/PQ2)	with Drilling	118107	119107	119106	118106	Concrete8500	1.2940	1.1681	0	Deck
118108	Thick (PQ3/PQ2)	with Drilling	118108	119108	119107	118107	Concrete8500	1.4010	1.5027	0	Deck
118109	Thick (PQ3/PQ2)	with Drilling	118109	119109	119108	118108	Concrete8500	1.5200	1.5027	0	Deck
118110	Thick (PQ3/PQ2)	with Drilling	118110	119110	119109	118109	Concrete8500	1.6400	1.5027	0	Deck
118111	Thick (PQ3/PQ2)	with Drilling	118111	119111	119110	118110	Concrete8500	1.7600	1.5027	0	Deck
118112	Thick (PQ3/PQ2)	with Drilling	118112	119112	119111	118111	Concrete8500	1.8730	1.3364	0	Deck
118113	Thick (PQ3/PQ2)	with Drilling	118113	119113	119112	118112	Concrete8500	1.9650	.9597	0	Deck
118114	Thick (PQ3/PQ2)	with Drilling	118114	119114	119113	118113	Concrete8500	1.7980	.905	0	Deck
118115	Thick (PQ3/PQ2)	with Drilling	118115	119115	119114	118114	Concrete8500	1.7980	.905	0	Deck
118116	Thick (PQ3/PQ2)	with Drilling	118116	119116	119115	118115	Concrete8500	1.9650	.9597	0	Deck
118117	Thick (PQ3/PQ2)	with Drilling	118117	119117	119116	118116	Concrete8500	1.8730	1.3364	0	Deck
118118	Thick (PQ3/PQ2)	with Drilling	118118	119118	119117	118117	Concrete8500	1.7600	1.5027	0	Deck
118119	Thick (PQ3/PQ2)	with Drilling	118119	119119	119118	118118	Concrete8500	1.6400	1.5027	0	Deck
118120	Thick (PQ3/PQ2)	with Drilling	118120	119120	119119	118119	Concrete8500	1.5200	1.5027	0	Deck
118121	Thick (PQ3/PQ2)	with Drilling	118121	119121	119120	118120	Concrete8500	1.4010	1.5027	0	Deck
118122	Thick (PQ3/PQ2)	with Drilling	118122	119122	119121	118121	Concrete8500	1.2940	1.1681	0	Deck
118123	Thick (PQ3/PQ2)	with Drilling	118123	119123	119122	118122	Concrete8500	1.2010	1.1691	0	Deck
118124	Thick (PQ3/PQ2)	with Drilling	118124	119124	119123	118123	Concrete8500	1.1080	1.1691	0	Deck
118125	Thick (PQ3/PQ2)	with Drilling	118125	119125	119124	118124	Concrete8500	1.0150	1.1681	0	Deck
118126	Thick (PQ3/PQ2)	with Drilling	118126	119126	119125	118125	Concrete8500	0.9210	1.1691	0	Deck
118127	Thick (PQ3/PQ2)	with Drilling	118127	119127	119126	118126	Concrete8500	0.8330	.834	0	Deck
119102	Thick (PQ3/PQ2)	with Drilling	119102	120102	120101	119101	Concrete8500	0.8330	.834	0	Deck
119103	Thick (PQ3/PQ2)	with Drilling	119103	120103	120102	119102	Concrete8500	0.9210	1.1691	0	Deck
119104	Thick (PQ3/PQ2)	with Drilling	119104	120104	120103	119103	Concrete8500	1.0150	1.1681	0	Deck
119105	Thick (PQ3/PQ2)	with Drilling	119105	120105	120104	119104	Concrete8500	1.1080	1.1691	0	Deck
119106	Thick (PQ3/PQ2)	with Drilling	119106	120106	120105	119105	Concrete8500	1.2010	1.1691	0	Deck
119107	Thick (PQ3/PQ2)	with Drilling	119107	120107	120106	119106	Concrete8500	1.2940	1.1681	0	Deck
119108	Thick (PQ3/PQ2)	with Drilling	119108	120108	120107	119107	Concrete8500	1.4010	1.5027	0	Deck
119109	Thick (PQ3/PQ2)	with Drilling	119109	120109	120108	119108	Concrete8500	1.5200	1.5027	0	Deck
119110	Thick (PQ3/PQ2)	with Drilling	119110	120110	120109	119109	Concrete8500	1.6400	1.5027	0	Deck
119111	Thick (PQ3/PQ2)	with Drilling	119111	120111	120110	119110	Concrete8500	1.7600	1.5027	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
119112	Thick (PQ3/PQ2)	with Drilling	119112	120112	120111	119111	Concrete8500	1.8730	1.3364	0	Deck
119113	Thick (PQ3/PQ2)	with Drilling	119113	120113	120112	119112	Concrete8500	1.9650	.9597	0	Deck
119114	Thick (PQ3/PQ2)	with Drilling	119114	120114	120113	119113	Concrete8500	1.7980	.905	0	Deck
119115	Thick (PQ3/PQ2)	with Drilling	119115	120115	120114	119114	Concrete8500	1.7980	.905	0	Deck
119116	Thick (PQ3/PQ2)	with Drilling	119116	120116	120115	119115	Concrete8500	1.9650	.9597	0	Deck
119117	Thick (PQ3/PQ2)	with Drilling	119117	120117	120116	119116	Concrete8500	1.8730	1.3364	0	Deck
119118	Thick (PQ3/PQ2)	with Drilling	119118	120118	120117	119117	Concrete8500	1.7600	1.5027	0	Deck
119119	Thick (PQ3/PQ2)	with Drilling	119119	120119	120118	119118	Concrete8500	1.6400	1.5027	0	Deck
119120	Thick (PQ3/PQ2)	with Drilling	119120	120120	120119	119119	Concrete8500	1.5200	1.5027	0	Deck
119121	Thick (PQ3/PQ2)	with Drilling	119121	120121	120120	119120	Concrete8500	1.4010	1.5027	0	Deck
119122	Thick (PQ3/PQ2)	with Drilling	119122	120122	120121	119121	Concrete8500	1.2940	1.1681	0	Deck
119123	Thick (PQ3/PQ2)	with Drilling	119123	120123	120122	119122	Concrete8500	1.2010	1.1691	0	Deck
119124	Thick (PQ3/PQ2)	with Drilling	119124	120124	120123	119123	Concrete8500	1.1080	1.1691	0	Deck
119125	Thick (PQ3/PQ2)	with Drilling	119125	120125	120124	119124	Concrete8500	1.0150	1.1681	0	Deck
119126	Thick (PQ3/PQ2)	with Drilling	119126	120126	120125	119125	Concrete8500	0.9210	1.1691	0	Deck
119127	Thick (PQ3/PQ2)	with Drilling	119127	120127	120126	119126	Concrete8500	0.8330	.834	0	Deck
120102	Thick (PQ3/PQ2)	with Drilling	120102	121102	121101	120101	Concrete8500	0.8330	.834	0	Deck
120103	Thick (PQ3/PQ2)	with Drilling	120103	121103	121102	120102	Concrete8500	0.9210	1.1691	0	Deck
120104	Thick (PQ3/PQ2)	with Drilling	120104	121104	121103	120103	Concrete8500	1.0150	1.1681	0	Deck
120105	Thick (PQ3/PQ2)	with Drilling	120105	121105	121104	120104	Concrete8500	1.1080	1.1691	0	Deck
120106	Thick (PQ3/PQ2)	with Drilling	120106	121106	121105	120105	Concrete8500	1.2010	1.1691	0	Deck
120107	Thick (PQ3/PQ2)	with Drilling	120107	121107	121106	120106	Concrete8500	1.2940	1.1681	0	Deck
120108	Thick (PQ3/PQ2)	with Drilling	120108	121108	121107	120107	Concrete8500	1.4010	1.5027	0	Deck
120109	Thick (PQ3/PQ2)	with Drilling	120109	121109	121108	120108	Concrete8500	1.5200	1.5027	0	Deck
120110	Thick (PQ3/PQ2)	with Drilling	120110	121110	121109	120109	Concrete8500	1.6400	1.5027	0	Deck
120111	Thick (PQ3/PQ2)	with Drilling	120111	121111	121110	120110	Concrete8500	1.7600	1.5027	0	Deck
120112	Thick (PQ3/PQ2)	with Drilling	120112	121112	121111	120111	Concrete8500	1.8730	1.3364	0	Deck
120113	Thick (PQ3/PQ2)	with Drilling	120113	121113	121112	120112	Concrete8500	1.9650	.9597	0	Deck
120114	Thick (PQ3/PQ2)	with Drilling	120114	121114	121113	120113	Concrete8500	1.7980	.905	0	Deck
120115	Thick (PQ3/PQ2)	with Drilling	120115	121115	121114	120114	Concrete8500	1.7980	.905	0	Deck
120116	Thick (PQ3/PQ2)	with Drilling	120116	121116	121115	120115	Concrete8500	1.9650	.9597	0	Deck
120117	Thick (PQ3/PQ2)	with Drilling	120117	121117	121116	120116	Concrete8500	1.8730	1.3364	0	Deck
120118	Thick (PQ3/PQ2)	with Drilling	120118	121118	121117	120117	Concrete8500	1.7600	1.5027	0	Deck
120119	Thick (PQ3/PQ2)	with Drilling	120119	121119	121118	120118	Concrete8500	1.6400	1.5027	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
120120	Thick (PQ3/PQ2)	with Drilling	120120	121120	121119	120119	Concrete8500	1.5200	1.5027	0	Deck
120121	Thick (PQ3/PQ2)	with Drilling	120121	121121	121120	120120	Concrete8500	1.4010	1.5027	0	Deck
120122	Thick (PQ3/PQ2)	with Drilling	120122	121122	121121	120121	Concrete8500	1.2940	1.1681	0	Deck
120123	Thick (PQ3/PQ2)	with Drilling	120123	121123	121122	120122	Concrete8500	1.2010	1.1691	0	Deck
120124	Thick (PQ3/PQ2)	with Drilling	120124	121124	121123	120123	Concrete8500	1.1080	1.1691	0	Deck
120125	Thick (PQ3/PQ2)	with Drilling	120125	121125	121124	120124	Concrete8500	1.0150	1.1681	0	Deck
120126	Thick (PQ3/PQ2)	with Drilling	120126	121126	121125	120125	Concrete8500	0.9210	1.1691	0	Deck
120127	Thick (PQ3/PQ2)	with Drilling	120127	121127	121126	120126	Concrete8500	0.8330	.834	0	Deck
121102	Thick (PQ3/PQ2)	with Drilling	121102	122102	122101	121101	Concrete8500	0.8330	.834	0	Deck
121103	Thick (PQ3/PQ2)	with Drilling	121103	122103	122102	121102	Concrete8500	0.9210	1.1691	0	Deck
121104	Thick (PQ3/PQ2)	with Drilling	121104	122104	122103	121103	Concrete8500	1.0150	1.1681	0	Deck
121105	Thick (PQ3/PQ2)	with Drilling	121105	122105	122104	121104	Concrete8500	1.1080	1.1691	0	Deck
121106	Thick (PQ3/PQ2)	with Drilling	121106	122106	122105	121105	Concrete8500	1.2010	1.1691	0	Deck
121107	Thick (PQ3/PQ2)	with Drilling	121107	122107	122106	121106	Concrete8500	1.2940	1.1681	0	Deck
121108	Thick (PQ3/PQ2)	with Drilling	121108	122108	122107	121107	Concrete8500	1.4010	1.5027	0	Deck
121109	Thick (PQ3/PQ2)	with Drilling	121109	122109	122108	121108	Concrete8500	1.5200	1.5027	0	Deck
121110	Thick (PQ3/PQ2)	with Drilling	121110	122110	122109	121109	Concrete8500	1.6400	1.5027	0	Deck
121111	Thick (PQ3/PQ2)	with Drilling	121111	122111	122110	121110	Concrete8500	1.7600	1.5027	0	Deck
121112	Thick (PQ3/PQ2)	with Drilling	121112	122112	122111	121111	Concrete8500	1.8730	1.3364	0	Deck
121113	Thick (PQ3/PQ2)	with Drilling	121113	122113	122112	121112	Concrete8500	1.9650	.9597	0	Deck
121114	Thick (PQ3/PQ2)	with Drilling	121114	122114	122113	121113	Concrete8500	1.7980	.905	0	Deck
121115	Thick (PQ3/PQ2)	with Drilling	121115	122115	122114	121114	Concrete8500	1.7980	.905	0	Deck
121116	Thick (PQ3/PQ2)	with Drilling	121116	122116	122115	121115	Concrete8500	1.9650	.9597	0	Deck
121117	Thick (PQ3/PQ2)	with Drilling	121117	122117	122116	121116	Concrete8500	1.8730	1.3364	0	Deck
121118	Thick (PQ3/PQ2)	with Drilling	121118	122118	122117	121117	Concrete8500	1.7600	1.5027	0	Deck
121119	Thick (PQ3/PQ2)	with Drilling	121119	122119	122118	121118	Concrete8500	1.6400	1.5027	0	Deck
121120	Thick (PQ3/PQ2)	with Drilling	121120	122120	122119	121119	Concrete8500	1.5200	1.5027	0	Deck
121121	Thick (PQ3/PQ2)	with Drilling	121121	122121	122120	121120	Concrete8500	1.4010	1.5027	0	Deck
121122	Thick (PQ3/PQ2)	with Drilling	121122	122122	122121	121121	Concrete8500	1.2940	1.1681	0	Deck
121123	Thick (PQ3/PQ2)	with Drilling	121123	122123	122122	121122	Concrete8500	1.2010	1.1691	0	Deck
121124	Thick (PQ3/PQ2)	with Drilling	121124	122124	122123	121123	Concrete8500	1.1080	1.1691	0	Deck
121125	Thick (PQ3/PQ2)	with Drilling	121125	122125	122124	121124	Concrete8500	1.0150	1.1681	0	Deck
121126	Thick (PQ3/PQ2)	with Drilling	121126	122126	122125	121125	Concrete8500	0.9210	1.1691	0	Deck
121127	Thick (PQ3/PQ2)	with Drilling	121127	122127	122126	121126	Concrete8500	0.8330	.834	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
122102	Thick (PQ3/PQ2)	with Drilling	122102	123102	123101	122101	Concrete8500	0.8330	.834	0	Deck
122103	Thick (PQ3/PQ2)	with Drilling	122103	123103	123102	122102	Concrete8500	0.9210	1.1691	0	Deck
122104	Thick (PQ3/PQ2)	with Drilling	122104	123104	123103	122103	Concrete8500	1.0150	1.1681	0	Deck
122105	Thick (PQ3/PQ2)	with Drilling	122105	123105	123104	122104	Concrete8500	1.1080	1.1691	0	Deck
122106	Thick (PQ3/PQ2)	with Drilling	122106	123106	123105	122105	Concrete8500	1.2010	1.1691	0	Deck
122107	Thick (PQ3/PQ2)	with Drilling	122107	123107	123106	122106	Concrete8500	1.2940	1.1681	0	Deck
122108	Thick (PQ3/PQ2)	with Drilling	122108	123108	123107	122107	Concrete8500	1.4010	1.5027	0	Deck
122109	Thick (PQ3/PQ2)	with Drilling	122109	123109	123108	122108	Concrete8500	1.5200	1.5027	0	Deck
122110	Thick (PQ3/PQ2)	with Drilling	122110	123110	123109	122109	Concrete8500	1.6400	1.5027	0	Deck
122111	Thick (PQ3/PQ2)	with Drilling	122111	123111	123110	122110	Concrete8500	1.7600	1.5027	0	Deck
122112	Thick (PQ3/PQ2)	with Drilling	122112	123112	123111	122111	Concrete8500	1.8730	1.3364	0	Deck
122113	Thick (PQ3/PQ2)	with Drilling	122113	123113	123112	122112	Concrete8500	1.9650	.9597	0	Deck
122114	Thick (PQ3/PQ2)	with Drilling	122114	123114	123113	122113	Concrete8500	1.7980	.905	0	Deck
122115	Thick (PQ3/PQ2)	with Drilling	122115	123115	123114	122114	Concrete8500	1.7980	.905	0	Deck
122116	Thick (PQ3/PQ2)	with Drilling	122116	123116	123115	122115	Concrete8500	1.9650	.9597	0	Deck
122117	Thick (PQ3/PQ2)	with Drilling	122117	123117	123116	122116	Concrete8500	1.8730	1.3364	0	Deck
122118	Thick (PQ3/PQ2)	with Drilling	122118	123118	123117	122117	Concrete8500	1.7600	1.5027	0	Deck
122119	Thick (PQ3/PQ2)	with Drilling	122119	123119	123118	122118	Concrete8500	1.6400	1.5027	0	Deck
122120	Thick (PQ3/PQ2)	with Drilling	122120	123120	123119	122119	Concrete8500	1.5200	1.5027	0	Deck
122121	Thick (PQ3/PQ2)	with Drilling	122121	123121	123120	122120	Concrete8500	1.4010	1.5027	0	Deck
122122	Thick (PQ3/PQ2)	with Drilling	122122	123122	123121	122121	Concrete8500	1.2940	1.1681	0	Deck
122123	Thick (PQ3/PQ2)	with Drilling	122123	123123	123122	122122	Concrete8500	1.2010	1.1691	0	Deck
122124	Thick (PQ3/PQ2)	with Drilling	122124	123124	123123	122123	Concrete8500	1.1080	1.1691	0	Deck
122125	Thick (PQ3/PQ2)	with Drilling	122125	123125	123124	122124	Concrete8500	1.0150	1.1681	0	Deck
122126	Thick (PQ3/PQ2)	with Drilling	122126	123126	123125	122125	Concrete8500	0.9210	1.1691	0	Deck
122127	Thick (PQ3/PQ2)	with Drilling	122127	123127	123126	122126	Concrete8500	0.8330	.834	0	Deck
123102	Thick (PQ3/PQ2)	with Drilling	123102	124102	124101	123101	Concrete8500	0.8330	.834	0	Deck
123103	Thick (PQ3/PQ2)	with Drilling	123103	124103	124102	123102	Concrete8500	0.9210	1.1691	0	Deck
123104	Thick (PQ3/PQ2)	with Drilling	123104	124104	124103	123103	Concrete8500	1.0150	1.1681	0	Deck
123105	Thick (PQ3/PQ2)	with Drilling	123105	124105	124104	123104	Concrete8500	1.1080	1.1691	0	Deck
123106	Thick (PQ3/PQ2)	with Drilling	123106	124106	124105	123105	Concrete8500	1.2010	1.1691	0	Deck
123107	Thick (PQ3/PQ2)	with Drilling	123107	124107	124106	123106	Concrete8500	1.2940	1.1681	0	Deck
123108	Thick (PQ3/PQ2)	with Drilling	123108	124108	124107	123107	Concrete8500	1.4010	1.5027	0	Deck
123109	Thick (PQ3/PQ2)	with Drilling	123109	124109	124108	123108	Concrete8500	1.5200	1.5027	0	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
123110	Thick (PQ3/PQ2)	with Drilling	123110	124110	124109	123109	Concrete8500	1.6400	1.5027	0	Deck
123111	Thick (PQ3/PQ2)	with Drilling	123111	124111	124110	123110	Concrete8500	1.7600	1.5027	0	Deck
123112	Thick (PQ3/PQ2)	with Drilling	123112	124112	124111	123111	Concrete8500	1.8730	1.3364	0	Deck
123113	Thick (PQ3/PQ2)	with Drilling	123113	124113	124112	123112	Concrete8500	1.9650	.9597	0	Deck
123114	Thick (PQ3/PQ2)	with Drilling	123114	124114	124113	123113	Concrete8500	1.7980	.905	0	Deck
123115	Thick (PQ3/PQ2)	with Drilling	123115	124115	124114	123114	Concrete8500	1.7980	.905	0	Deck
123116	Thick (PQ3/PQ2)	with Drilling	123116	124116	124115	123115	Concrete8500	1.9650	.9597	0	Deck
123117	Thick (PQ3/PQ2)	with Drilling	123117	124117	124116	123116	Concrete8500	1.8730	1.3364	0	Deck
123118	Thick (PQ3/PQ2)	with Drilling	123118	124118	124117	123117	Concrete8500	1.7600	1.5027	0	Deck
123119	Thick (PQ3/PQ2)	with Drilling	123119	124119	124118	123118	Concrete8500	1.6400	1.5027	0	Deck
123120	Thick (PQ3/PQ2)	with Drilling	123120	124120	124119	123119	Concrete8500	1.5200	1.5027	0	Deck
123121	Thick (PQ3/PQ2)	with Drilling	123121	124121	124120	123120	Concrete8500	1.4010	1.5027	0	Deck
123122	Thick (PQ3/PQ2)	with Drilling	123122	124122	124121	123121	Concrete8500	1.2940	1.1681	0	Deck
123123	Thick (PQ3/PQ2)	with Drilling	123123	124123	124122	123122	Concrete8500	1.2010	1.1691	0	Deck
123124	Thick (PQ3/PQ2)	with Drilling	123124	124124	124123	123123	Concrete8500	1.1080	1.1691	0	Deck
123125	Thick (PQ3/PQ2)	with Drilling	123125	124125	124124	123124	Concrete8500	1.0150	1.1681	0	Deck
123126	Thick (PQ3/PQ2)	with Drilling	123126	124126	124125	123125	Concrete8500	0.9210	1.1691	0	Deck
123127	Thick (PQ3/PQ2)	with Drilling	123127	124127	124126	123126	Concrete8500	0.8330	.834	0	Deck
124102	Thick (PQ3/PQ2)	with Drilling	124102	125102	125101	124101	Concrete8500	0.8330	.834	0	Deck
124103	Thick (PQ3/PQ2)	with Drilling	124103	125103	125102	124102	Concrete8500	0.9210	1.1691	0	Deck
124104	Thick (PQ3/PQ2)	with Drilling	124104	125104	125103	124103	Concrete8500	1.0150	1.1681	0	Deck
124105	Thick (PQ3/PQ2)	with Drilling	124105	125105	125104	124104	Concrete8500	1.1080	1.1691	0	Deck
124106	Thick (PQ3/PQ2)	with Drilling	124106	125106	125105	124105	Concrete8500	1.2010	1.1691	0	Deck
124107	Thick (PQ3/PQ2)	with Drilling	124107	125107	125106	124106	Concrete8500	1.2940	1.1681	0	Deck
124108	Thick (PQ3/PQ2)	with Drilling	124108	125108	125107	124107	Concrete8500	1.4010	1.5027	0	Deck
124109	Thick (PQ3/PQ2)	with Drilling	124109	125109	125108	124108	Concrete8500	1.5200	1.5027	0	Deck
124110	Thick (PQ3/PQ2)	with Drilling	124110	125110	125109	124109	Concrete8500	1.6400	1.5027	0	Deck
124111	Thick (PQ3/PQ2)	with Drilling	124111	125111	125110	124110	Concrete8500	1.7600	1.5027	0	Deck
124112	Thick (PQ3/PQ2)	with Drilling	124112	125112	125111	124111	Concrete8500	1.8730	1.3364	0	Deck
124113	Thick (PQ3/PQ2)	with Drilling	124113	125113	125112	124112	Concrete8500	1.9650	.9597	0	Deck
124114	Thick (PQ3/PQ2)	with Drilling	124114	125114	125113	124113	Concrete8500	1.7980	.905	0	Deck
124115	Thick (PQ3/PQ2)	with Drilling	124115	125115	125114	124114	Concrete8500	1.7980	.905	0	Deck
124116	Thick (PQ3/PQ2)	with Drilling	124116	125116	125115	124115	Concrete8500	1.9650	.9597	0	Deck
124117	Thick (PQ3/PQ2)	with Drilling	124117	125117	125116	124116	Concrete8500	1.8730	1.3364	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
124118	Thick (PQ3/PQ2)	with Drilling	124118	125118	125117	124117	Concrete8500	1.7600	1.5027	0	Deck
124119	Thick (PQ3/PQ2)	with Drilling	124119	125119	125118	124118	Concrete8500	1.6400	1.5027	0	Deck
124120	Thick (PQ3/PQ2)	with Drilling	124120	125120	125119	124119	Concrete8500	1.5200	1.5027	0	Deck
124121	Thick (PQ3/PQ2)	with Drilling	124121	125121	125120	124120	Concrete8500	1.4010	1.5027	0	Deck
124122	Thick (PQ3/PQ2)	with Drilling	124122	125122	125121	124121	Concrete8500	1.2940	1.1681	0	Deck
124123	Thick (PQ3/PQ2)	with Drilling	124123	125123	125122	124122	Concrete8500	1.2010	1.1691	0	Deck
124124	Thick (PQ3/PQ2)	with Drilling	124124	125124	125123	124123	Concrete8500	1.1080	1.1691	0	Deck
124125	Thick (PQ3/PQ2)	with Drilling	124125	125125	125124	124124	Concrete8500	1.0150	1.1681	0	Deck
124126	Thick (PQ3/PQ2)	with Drilling	124126	125126	125125	124125	Concrete8500	0.9210	1.1691	0	Deck
124127	Thick (PQ3/PQ2)	with Drilling	124127	125127	125126	124126	Concrete8500	0.8330	.834	0	Deck
125102	Thick (PQ3/PQ2)	with Drilling	125102	126102	126101	125101	Concrete8500	0.8330	.834	0	Deck
125103	Thick (PQ3/PQ2)	with Drilling	125103	126103	126102	125102	Concrete8500	0.9210	1.1691	0	Deck
125104	Thick (PQ3/PQ2)	with Drilling	125104	126104	126103	125103	Concrete8500	1.0150	1.1681	0	Deck
125105	Thick (PQ3/PQ2)	with Drilling	125105	126105	126104	125104	Concrete8500	1.1080	1.1691	0	Deck
125106	Thick (PQ3/PQ2)	with Drilling	125106	126106	126105	125105	Concrete8500	1.2010	1.1691	0	Deck
125107	Thick (PQ3/PQ2)	with Drilling	125107	126107	126106	125106	Concrete8500	1.2940	1.1681	0	Deck
125108	Thick (PQ3/PQ2)	with Drilling	125108	126108	126107	125107	Concrete8500	1.4010	1.5027	0	Deck
125109	Thick (PQ3/PQ2)	with Drilling	125109	126109	126108	125108	Concrete8500	1.5200	1.5027	0	Deck
125110	Thick (PQ3/PQ2)	with Drilling	125110	126110	126109	125109	Concrete8500	1.6400	1.5027	0	Deck
125111	Thick (PQ3/PQ2)	with Drilling	125111	126111	126110	125110	Concrete8500	1.7600	1.5027	0	Deck
125112	Thick (PQ3/PQ2)	with Drilling	125112	126112	126111	125111	Concrete8500	1.8730	1.3364	0	Deck
125113	Thick (PQ3/PQ2)	with Drilling	125113	126113	126112	125112	Concrete8500	1.9650	.9597	0	Deck
125114	Thick (PQ3/PQ2)	with Drilling	125114	126114	126113	125113	Concrete8500	1.7980	.905	0	Deck
125115	Thick (PQ3/PQ2)	with Drilling	125115	126115	126114	125114	Concrete8500	1.7980	.905	0	Deck
125116	Thick (PQ3/PQ2)	with Drilling	125116	126116	126115	125115	Concrete8500	1.9650	.9597	0	Deck
125117	Thick (PQ3/PQ2)	with Drilling	125117	126117	126116	125116	Concrete8500	1.8730	1.3364	0	Deck
125118	Thick (PQ3/PQ2)	with Drilling	125118	126118	126117	125117	Concrete8500	1.7600	1.5027	0	Deck
125119	Thick (PQ3/PQ2)	with Drilling	125119	126119	126118	125118	Concrete8500	1.6400	1.5027	0	Deck
125120	Thick (PQ3/PQ2)	with Drilling	125120	126120	126119	125119	Concrete8500	1.5200	1.5027	0	Deck
125121	Thick (PQ3/PQ2)	with Drilling	125121	126121	126120	125120	Concrete8500	1.4010	1.5027	0	Deck
125122	Thick (PQ3/PQ2)	with Drilling	125122	126122	126121	125121	Concrete8500	1.2940	1.1681	0	Deck
125123	Thick (PQ3/PQ2)	with Drilling	125123	126123	126122	125122	Concrete8500	1.2010	1.1691	0	Deck
125124	Thick (PQ3/PQ2)	with Drilling	125124	126124	126123	125123	Concrete8500	1.1080	1.1691	0	Deck
125125	Thick (PQ3/PQ2)	with Drilling	125125	126125	126124	125124	Concrete8500	1.0150	1.1681	0	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
125126	Thick (PQ3/PQ2)	with Drilling	125126	126126	126125	125125	Concrete8500	0.9210	1.1691	0	Deck
125127	Thick (PQ3/PQ2)	with Drilling	125127	126127	126126	125126	Concrete8500	0.8330	.834	0	Deck
126102	Thick (PQ3/PQ2)	with Drilling	126102	127102	127101	126101	Concrete8500	0.8330	.834	0	Deck
126103	Thick (PQ3/PQ2)	with Drilling	126103	127103	127102	126102	Concrete8500	0.9210	1.1691	0	Deck
126104	Thick (PQ3/PQ2)	with Drilling	126104	127104	127103	126103	Concrete8500	1.0150	1.1681	0	Deck
126105	Thick (PQ3/PQ2)	with Drilling	126105	127105	127104	126104	Concrete8500	1.1080	1.1691	0	Deck
126106	Thick (PQ3/PQ2)	with Drilling	126106	127106	127105	126105	Concrete8500	1.2010	1.1691	0	Deck
126107	Thick (PQ3/PQ2)	with Drilling	126107	127107	127106	126106	Concrete8500	1.2940	1.1681	0	Deck
126108	Thick (PQ3/PQ2)	with Drilling	126108	127108	127107	126107	Concrete8500	1.4010	1.5027	0	Deck
126109	Thick (PQ3/PQ2)	with Drilling	126109	127109	127108	126108	Concrete8500	1.5200	1.5027	0	Deck
126110	Thick (PQ3/PQ2)	with Drilling	126110	127110	127109	126109	Concrete8500	1.6400	1.5027	0	Deck
126111	Thick (PQ3/PQ2)	with Drilling	126111	127111	127110	126110	Concrete8500	1.7600	1.5027	0	Deck
126112	Thick (PQ3/PQ2)	with Drilling	126112	127112	127111	126111	Concrete8500	1.8730	1.3364	0	Deck
126113	Thick (PQ3/PQ2)	with Drilling	126113	127113	127112	126112	Concrete8500	1.9650	.9597	0	Deck
126114	Thick (PQ3/PQ2)	with Drilling	126114	127114	127113	126113	Concrete8500	1.7980	.905	0	Deck
126115	Thick (PQ3/PQ2)	with Drilling	126115	127115	127114	126114	Concrete8500	1.7980	.905	0	Deck
126116	Thick (PQ3/PQ2)	with Drilling	126116	127116	127115	126115	Concrete8500	1.9650	.9597	0	Deck
126117	Thick (PQ3/PQ2)	with Drilling	126117	127117	127116	126116	Concrete8500	1.8730	1.3364	0	Deck
126118	Thick (PQ3/PQ2)	with Drilling	126118	127118	127117	126117	Concrete8500	1.7600	1.5027	0	Deck
126119	Thick (PQ3/PQ2)	with Drilling	126119	127119	127118	126118	Concrete8500	1.6400	1.5027	0	Deck
126120	Thick (PQ3/PQ2)	with Drilling	126120	127120	127119	126119	Concrete8500	1.5200	1.5027	0	Deck
126121	Thick (PQ3/PQ2)	with Drilling	126121	127121	127120	126120	Concrete8500	1.4010	1.5027	0	Deck
126122	Thick (PQ3/PQ2)	with Drilling	126122	127122	127121	126121	Concrete8500	1.2940	1.1681	0	Deck
126123	Thick (PQ3/PQ2)	with Drilling	126123	127123	127122	126122	Concrete8500	1.2010	1.1691	0	Deck
126124	Thick (PQ3/PQ2)	with Drilling	126124	127124	127123	126123	Concrete8500	1.1080	1.1691	0	Deck
126125	Thick (PQ3/PQ2)	with Drilling	126125	127125	127124	126124	Concrete8500	1.0150	1.1681	0	Deck
126126	Thick (PQ3/PQ2)	with Drilling	126126	127126	127125	126125	Concrete8500	0.9210	1.1691	0	Deck
126127	Thick (PQ3/PQ2)	with Drilling	126127	127127	127126	126126	Concrete8500	0.8330	.834	0	Deck
127102	Thick (PQ3/PQ2)	with Drilling	127102	128102	128101	127101	Concrete8500	0.8330	.834	0	Deck
127103	Thick (PQ3/PQ2)	with Drilling	127103	128103	128102	127102	Concrete8500	0.9210	1.1691	0	Deck
127104	Thick (PQ3/PQ2)	with Drilling	127104	128104	128103	127103	Concrete8500	1.0150	1.1681	0	Deck
127105	Thick (PQ3/PQ2)	with Drilling	127105	128105	128104	127104	Concrete8500	1.1080	1.1691	0	Deck
127106	Thick (PQ3/PQ2)	with Drilling	127106	128106	128105	127105	Concrete8500	1.2010	1.1691	0	Deck
127107	Thick (PQ3/PQ2)	with Drilling	127107	128107	128106	127106	Concrete8500	1.2940	1.1681	0	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
127108	Thick (PQ3/PQ2)	with Drilling	127108	128108	128107	127107	Concrete8500	1.4010	1.5027	0	Deck
127109	Thick (PQ3/PQ2)	with Drilling	127109	128109	128108	127108	Concrete8500	1.5200	1.5027	0	Deck
127110	Thick (PQ3/PQ2)	with Drilling	127110	128110	128109	127109	Concrete8500	1.6400	1.5027	0	Deck
127111	Thick (PQ3/PQ2)	with Drilling	127111	128111	128110	127110	Concrete8500	1.7600	1.5027	0	Deck
127112	Thick (PQ3/PQ2)	with Drilling	127112	128112	128111	127111	Concrete8500	1.8730	1.3364	0	Deck
127113	Thick (PQ3/PQ2)	with Drilling	127113	128113	128112	127112	Concrete8500	1.9650	.9597	0	Deck
127114	Thick (PQ3/PQ2)	with Drilling	127114	128114	128113	127113	Concrete8500	1.7980	.905	0	Deck
127115	Thick (PQ3/PQ2)	with Drilling	127115	128115	128114	127114	Concrete8500	1.7980	.905	0	Deck
127116	Thick (PQ3/PQ2)	with Drilling	127116	128116	128115	127115	Concrete8500	1.9650	.9597	0	Deck
127117	Thick (PQ3/PQ2)	with Drilling	127117	128117	128116	127116	Concrete8500	1.8730	1.3364	0	Deck
127118	Thick (PQ3/PQ2)	with Drilling	127118	128118	128117	127117	Concrete8500	1.7600	1.5027	0	Deck
127119	Thick (PQ3/PQ2)	with Drilling	127119	128119	128118	127118	Concrete8500	1.6400	1.5027	0	Deck
127120	Thick (PQ3/PQ2)	with Drilling	127120	128120	128119	127119	Concrete8500	1.5200	1.5027	0	Deck
127121	Thick (PQ3/PQ2)	with Drilling	127121	128121	128120	127120	Concrete8500	1.4010	1.5027	0	Deck
127122	Thick (PQ3/PQ2)	with Drilling	127122	128122	128121	127121	Concrete8500	1.2940	1.1681	0	Deck
127123	Thick (PQ3/PQ2)	with Drilling	127123	128123	128122	127122	Concrete8500	1.2010	1.1691	0	Deck
127124	Thick (PQ3/PQ2)	with Drilling	127124	128124	128123	127123	Concrete8500	1.1080	1.1691	0	Deck
127125	Thick (PQ3/PQ2)	with Drilling	127125	128125	128124	127124	Concrete8500	1.0150	1.1681	0	Deck
127126	Thick (PQ3/PQ2)	with Drilling	127126	128126	128125	127125	Concrete8500	0.9210	1.1691	0	Deck
127127	Thick (PQ3/PQ2)	with Drilling	127127	128127	128126	127126	Concrete8500	0.8330	.834	0	Deck
128102	Thick (PQ3/PQ2)	with Drilling	128102	129102	129101	128101	Concrete8500	0.8330	.834	0	Deck
128103	Thick (PQ3/PQ2)	with Drilling	128103	129103	129102	128102	Concrete8500	0.9210	1.1691	0	Deck
128104	Thick (PQ3/PQ2)	with Drilling	128104	129104	129103	128103	Concrete8500	1.0150	1.1681	0	Deck
128105	Thick (PQ3/PQ2)	with Drilling	128105	129105	129104	128104	Concrete8500	1.1080	1.1691	0	Deck
128106	Thick (PQ3/PQ2)	with Drilling	128106	129106	129105	128105	Concrete8500	1.2010	1.1691	0	Deck
128107	Thick (PQ3/PQ2)	with Drilling	128107	129107	129106	128106	Concrete8500	1.2940	1.1681	0	Deck
128108	Thick (PQ3/PQ2)	with Drilling	128108	129108	129107	128107	Concrete8500	1.4010	1.5027	0	Deck
128109	Thick (PQ3/PQ2)	with Drilling	128109	129109	129108	128108	Concrete8500	1.5200	1.5027	0	Deck
128110	Thick (PQ3/PQ2)	with Drilling	128110	129110	129109	128109	Concrete8500	1.6400	1.5027	0	Deck
128111	Thick (PQ3/PQ2)	with Drilling	128111	129111	129110	128110	Concrete8500	1.7600	1.5027	0	Deck
128112	Thick (PQ3/PQ2)	with Drilling	128112	129112	129111	128111	Concrete8500	1.8730	1.3364	0	Deck
128113	Thick (PQ3/PQ2)	with Drilling	128113	129113	129112	128112	Concrete8500	1.9650	.9597	0	Deck
128114	Thick (PQ3/PQ2)	with Drilling	128114	129114	129113	128113	Concrete8500	1.7980	.905	0	Deck
128115	Thick (PQ3/PQ2)	with Drilling	128115	129115	129114	128114	Concrete8500	1.7980	.905	0	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
128116	Thick (PQ3/PQ2)	with Drilling	128116	129116	129115	128115	Concrete8500	1.9650	.9597	0	Deck
128117	Thick (PQ3/PQ2)	with Drilling	128117	129117	129116	128116	Concrete8500	1.8730	1.3364	0	Deck
128118	Thick (PQ3/PQ2)	with Drilling	128118	129118	129117	128117	Concrete8500	1.7600	1.5027	0	Deck
128119	Thick (PQ3/PQ2)	with Drilling	128119	129119	129118	128118	Concrete8500	1.6400	1.5027	0	Deck
128120	Thick (PQ3/PQ2)	with Drilling	128120	129120	129119	128119	Concrete8500	1.5200	1.5027	0	Deck
128121	Thick (PQ3/PQ2)	with Drilling	128121	129121	129120	128120	Concrete8500	1.4010	1.5027	0	Deck
128122	Thick (PQ3/PQ2)	with Drilling	128122	129122	129121	128121	Concrete8500	1.2940	1.1681	0	Deck
128123	Thick (PQ3/PQ2)	with Drilling	128123	129123	129122	128122	Concrete8500	1.2010	1.1691	0	Deck
128124	Thick (PQ3/PQ2)	with Drilling	128124	129124	129123	128123	Concrete8500	1.1080	1.1691	0	Deck
128125	Thick (PQ3/PQ2)	with Drilling	128125	129125	129124	128124	Concrete8500	1.0150	1.1681	0	Deck
128126	Thick (PQ3/PQ2)	with Drilling	128126	129126	129125	128125	Concrete8500	0.9210	1.1691	0	Deck
128127	Thick (PQ3/PQ2)	with Drilling	128127	129127	129126	128126	Concrete8500	0.8330	.834	0	Deck
129102	Thick (PQ3/PQ2)	with Drilling	129102	130102	130101	129101	Concrete8500	0.8330	.834	0	Deck
129103	Thick (PQ3/PQ2)	with Drilling	129103	130103	130102	129102	Concrete8500	0.9210	1.1691	0	Deck
129104	Thick (PQ3/PQ2)	with Drilling	129104	130104	130103	129103	Concrete8500	1.0150	1.1681	0	Deck
129105	Thick (PQ3/PQ2)	with Drilling	129105	130105	130104	129104	Concrete8500	1.1080	1.1691	0	Deck
129106	Thick (PQ3/PQ2)	with Drilling	129106	130106	130105	129105	Concrete8500	1.2010	1.1691	0	Deck
129107	Thick (PQ3/PQ2)	with Drilling	129107	130107	130106	129106	Concrete8500	1.2940	1.1681	0	Deck
129108	Thick (PQ3/PQ2)	with Drilling	129108	130108	130107	129107	Concrete8500	1.4010	1.5027	0	Deck
129109	Thick (PQ3/PQ2)	with Drilling	129109	130109	130108	129108	Concrete8500	1.5200	1.5027	0	Deck
129110	Thick (PQ3/PQ2)	with Drilling	129110	130110	130109	129109	Concrete8500	1.6400	1.5027	0	Deck
129111	Thick (PQ3/PQ2)	with Drilling	129111	130111	130110	129110	Concrete8500	1.7600	1.5027	0	Deck
129112	Thick (PQ3/PQ2)	with Drilling	129112	130112	130111	129111	Concrete8500	1.8730	1.3364	0	Deck
129113	Thick (PQ3/PQ2)	with Drilling	129113	130113	130112	129112	Concrete8500	1.9650	.9597	0	Deck
129114	Thick (PQ3/PQ2)	with Drilling	129114	130114	130113	129113	Concrete8500	1.7980	.905	0	Deck
129115	Thick (PQ3/PQ2)	with Drilling	129115	130115	130114	129114	Concrete8500	1.7980	.905	0	Deck
129116	Thick (PQ3/PQ2)	with Drilling	129116	130116	130115	129115	Concrete8500	1.9650	.9597	0	Deck
129117	Thick (PQ3/PQ2)	with Drilling	129117	130117	130116	129116	Concrete8500	1.8730	1.3364	0	Deck
129118	Thick (PQ3/PQ2)	with Drilling	129118	130118	130117	129117	Concrete8500	1.7600	1.5027	0	Deck
129119	Thick (PQ3/PQ2)	with Drilling	129119	130119	130118	129118	Concrete8500	1.6400	1.5027	0	Deck
129120	Thick (PQ3/PQ2)	with Drilling	129120	130120	130119	129119	Concrete8500	1.5200	1.5027	0	Deck
129121	Thick (PQ3/PQ2)	with Drilling	129121	130121	130120	129120	Concrete8500	1.4010	1.5027	0	Deck
129122	Thick (PQ3/PQ2)	with Drilling	129122	130122	130121	129121	Concrete8500	1.2940	1.1681	0	Deck
129123	Thick (PQ3/PQ2)	with Drilling	129123	130123	130122	129122	Concrete8500	1.2010	1.1691	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
129124	Thick (PQ3/PQ2)	with Drilling	129124	130124	130123	129123	Concrete8500	1.1080	1.1691	0	Deck
129125	Thick (PQ3/PQ2)	with Drilling	129125	130125	130124	129124	Concrete8500	1.0150	1.1681	0	Deck
129126	Thick (PQ3/PQ2)	with Drilling	129126	130126	130125	129125	Concrete8500	0.9210	1.1691	0	Deck
129127	Thick (PQ3/PQ2)	with Drilling	129127	130127	130126	129126	Concrete8500	0.8330	.834	0	Deck
130102	Thick (PQ3/PQ2)	with Drilling	130102	131102	131101	130101	Concrete8500	0.8330	.834	0	Deck
130103	Thick (PQ3/PQ2)	with Drilling	130103	131103	131102	130102	Concrete8500	0.9210	1.1691	0	Deck
130104	Thick (PQ3/PQ2)	with Drilling	130104	131104	131103	130103	Concrete8500	1.0150	1.1681	0	Deck
130105	Thick (PQ3/PQ2)	with Drilling	130105	131105	131104	130104	Concrete8500	1.1080	1.1691	0	Deck
130106	Thick (PQ3/PQ2)	with Drilling	130106	131106	131105	130105	Concrete8500	1.2010	1.1691	0	Deck
130107	Thick (PQ3/PQ2)	with Drilling	130107	131107	131106	130106	Concrete8500	1.2940	1.1681	0	Deck
130108	Thick (PQ3/PQ2)	with Drilling	130108	131108	131107	130107	Concrete8500	1.4010	1.5027	0	Deck
130109	Thick (PQ3/PQ2)	with Drilling	130109	131109	131108	130108	Concrete8500	1.5200	1.5027	0	Deck
130110	Thick (PQ3/PQ2)	with Drilling	130110	131110	131109	130109	Concrete8500	1.6400	1.5027	0	Deck
130111	Thick (PQ3/PQ2)	with Drilling	130111	131111	131110	130110	Concrete8500	1.7600	1.5027	0	Deck
130112	Thick (PQ3/PQ2)	with Drilling	130112	131112	131111	130111	Concrete8500	1.8730	1.3364	0	Deck
130113	Thick (PQ3/PQ2)	with Drilling	130113	131113	131112	130112	Concrete8500	1.9650	.9597	0	Deck
130114	Thick (PQ3/PQ2)	with Drilling	130114	131114	131113	130113	Concrete8500	1.7980	.905	0	Deck
130115	Thick (PQ3/PQ2)	with Drilling	130115	131115	131114	130114	Concrete8500	1.7980	.905	0	Deck
130116	Thick (PQ3/PQ2)	with Drilling	130116	131116	131115	130115	Concrete8500	1.9650	.9597	0	Deck
130117	Thick (PQ3/PQ2)	with Drilling	130117	131117	131116	130116	Concrete8500	1.8730	1.3364	0	Deck
130118	Thick (PQ3/PQ2)	with Drilling	130118	131118	131117	130117	Concrete8500	1.7600	1.5027	0	Deck
130119	Thick (PQ3/PQ2)	with Drilling	130119	131119	131118	130118	Concrete8500	1.6400	1.5027	0	Deck
130120	Thick (PQ3/PQ2)	with Drilling	130120	131120	131119	130119	Concrete8500	1.5200	1.5027	0	Deck
130121	Thick (PQ3/PQ2)	with Drilling	130121	131121	131120	130120	Concrete8500	1.4010	1.5027	0	Deck
130122	Thick (PQ3/PQ2)	with Drilling	130122	131122	131121	130121	Concrete8500	1.2940	1.1681	0	Deck
130123	Thick (PQ3/PQ2)	with Drilling	130123	131123	131122	130122	Concrete8500	1.2010	1.1691	0	Deck
130124	Thick (PQ3/PQ2)	with Drilling	130124	131124	131123	130123	Concrete8500	1.1080	1.1691	0	Deck
130125	Thick (PQ3/PQ2)	with Drilling	130125	131125	131124	130124	Concrete8500	1.0150	1.1681	0	Deck
130126	Thick (PQ3/PQ2)	with Drilling	130126	131126	131125	130125	Concrete8500	0.9210	1.1691	0	Deck
130127	Thick (PQ3/PQ2)	with Drilling	130127	131127	131126	130126	Concrete8500	0.8330	.834	0	Deck
131102	Thick (PQ3/PQ2)	with Drilling	131102	132102	132101	131101	Concrete8500	0.8330	.834	0	Deck
131103	Thick (PQ3/PQ2)	with Drilling	131103	132103	132102	131102	Concrete8500	0.9210	1.1691	0	Deck
131104	Thick (PQ3/PQ2)	with Drilling	131104	132104	132103	131103	Concrete8500	1.0150	1.1681	0	Deck
131105	Thick (PQ3/PQ2)	with Drilling	131105	132105	132104	131104	Concrete8500	1.1080	1.1691	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
131106	Thick (PQ3/PQ2)	with Drilling	131106	132106	132105	131105	Concrete8500	1.2010	1.1691	0	Deck
131107	Thick (PQ3/PQ2)	with Drilling	131107	132107	132106	131106	Concrete8500	1.2940	1.1681	0	Deck
131108	Thick (PQ3/PQ2)	with Drilling	131108	132108	132107	131107	Concrete8500	1.4010	1.5027	0	Deck
131109	Thick (PQ3/PQ2)	with Drilling	131109	132109	132108	131108	Concrete8500	1.5200	1.5027	0	Deck
131110	Thick (PQ3/PQ2)	with Drilling	131110	132110	132109	131109	Concrete8500	1.6400	1.5027	0	Deck
131111	Thick (PQ3/PQ2)	with Drilling	131111	132111	132110	131110	Concrete8500	1.7600	1.5027	0	Deck
131112	Thick (PQ3/PQ2)	with Drilling	131112	132112	132111	131111	Concrete8500	1.8730	1.3364	0	Deck
131113	Thick (PQ3/PQ2)	with Drilling	131113	132113	132112	131112	Concrete8500	1.9650	.9597	0	Deck
131114	Thick (PQ3/PQ2)	with Drilling	131114	132114	132113	131113	Concrete8500	1.7980	.905	0	Deck
131115	Thick (PQ3/PQ2)	with Drilling	131115	132115	132114	131114	Concrete8500	1.7980	.905	0	Deck
131116	Thick (PQ3/PQ2)	with Drilling	131116	132116	132115	131115	Concrete8500	1.9650	.9597	0	Deck
131117	Thick (PQ3/PQ2)	with Drilling	131117	132117	132116	131116	Concrete8500	1.8730	1.3364	0	Deck
131118	Thick (PQ3/PQ2)	with Drilling	131118	132118	132117	131117	Concrete8500	1.7600	1.5027	0	Deck
131119	Thick (PQ3/PQ2)	with Drilling	131119	132119	132118	131118	Concrete8500	1.6400	1.5027	0	Deck
131120	Thick (PQ3/PQ2)	with Drilling	131120	132120	132119	131119	Concrete8500	1.5200	1.5027	0	Deck
131121	Thick (PQ3/PQ2)	with Drilling	131121	132121	132120	131120	Concrete8500	1.4010	1.5027	0	Deck
131122	Thick (PQ3/PQ2)	with Drilling	131122	132122	132121	131121	Concrete8500	1.2940	1.1681	0	Deck
131123	Thick (PQ3/PQ2)	with Drilling	131123	132123	132122	131122	Concrete8500	1.2010	1.1691	0	Deck
131124	Thick (PQ3/PQ2)	with Drilling	131124	132124	132123	131123	Concrete8500	1.1080	1.1691	0	Deck
131125	Thick (PQ3/PQ2)	with Drilling	131125	132125	132124	131124	Concrete8500	1.0150	1.1681	0	Deck
131126	Thick (PQ3/PQ2)	with Drilling	131126	132126	132125	131125	Concrete8500	0.9210	1.1691	0	Deck
131127	Thick (PQ3/PQ2)	with Drilling	131127	132127	132126	131126	Concrete8500	0.8330	.834	0	Deck
132102	Thick (PQ3/PQ2)	with Drilling	132102	133102	133101	132101	Concrete8500	0.8330	.834	0	Deck
132103	Thick (PQ3/PQ2)	with Drilling	132103	133103	133102	132102	Concrete8500	0.9210	1.1691	0	Deck
132104	Thick (PQ3/PQ2)	with Drilling	132104	133104	133103	132103	Concrete8500	1.0150	1.1681	0	Deck
132105	Thick (PQ3/PQ2)	with Drilling	132105	133105	133104	132104	Concrete8500	1.1080	1.1691	0	Deck
132106	Thick (PQ3/PQ2)	with Drilling	132106	133106	133105	132105	Concrete8500	1.2010	1.1691	0	Deck
132107	Thick (PQ3/PQ2)	with Drilling	132107	133107	133106	132106	Concrete8500	1.2940	1.1681	0	Deck
132108	Thick (PQ3/PQ2)	with Drilling	132108	133108	133107	132107	Concrete8500	1.4010	1.5027	0	Deck
132109	Thick (PQ3/PQ2)	with Drilling	132109	133109	133108	132108	Concrete8500	1.5200	1.5027	0	Deck
132110	Thick (PQ3/PQ2)	with Drilling	132110	133110	133109	132109	Concrete8500	1.6400	1.5027	0	Deck
132111	Thick (PQ3/PQ2)	with Drilling	132111	133111	133110	132110	Concrete8500	1.7600	1.5027	0	Deck
132112	Thick (PQ3/PQ2)	with Drilling	132112	133112	133111	132111	Concrete8500	1.8730	1.3364	0	Deck
132113	Thick (PQ3/PQ2)	with Drilling	132113	133113	133112	132112	Concrete8500	1.9650	.9597	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
132114	Thick (PQ3/PQ2)	with Drilling	132114	133114	133113	132113	Concrete8500	1.7980	.905	0	Deck
132115	Thick (PQ3/PQ2)	with Drilling	132115	133115	133114	132114	Concrete8500	1.7980	.905	0	Deck
132116	Thick (PQ3/PQ2)	with Drilling	132116	133116	133115	132115	Concrete8500	1.9650	.9597	0	Deck
132117	Thick (PQ3/PQ2)	with Drilling	132117	133117	133116	132116	Concrete8500	1.8730	1.3364	0	Deck
132118	Thick (PQ3/PQ2)	with Drilling	132118	133118	133117	132117	Concrete8500	1.7600	1.5027	0	Deck
132119	Thick (PQ3/PQ2)	with Drilling	132119	133119	133118	132118	Concrete8500	1.6400	1.5027	0	Deck
132120	Thick (PQ3/PQ2)	with Drilling	132120	133120	133119	132119	Concrete8500	1.5200	1.5027	0	Deck
132121	Thick (PQ3/PQ2)	with Drilling	132121	133121	133120	132120	Concrete8500	1.4010	1.5027	0	Deck
132122	Thick (PQ3/PQ2)	with Drilling	132122	133122	133121	132121	Concrete8500	1.2940	1.1681	0	Deck
132123	Thick (PQ3/PQ2)	with Drilling	132123	133123	133122	132122	Concrete8500	1.2010	1.1691	0	Deck
132124	Thick (PQ3/PQ2)	with Drilling	132124	133124	133123	132123	Concrete8500	1.1080	1.1691	0	Deck
132125	Thick (PQ3/PQ2)	with Drilling	132125	133125	133124	132124	Concrete8500	1.0150	1.1681	0	Deck
132126	Thick (PQ3/PQ2)	with Drilling	132126	133126	133125	132125	Concrete8500	0.9210	1.1691	0	Deck
132127	Thick (PQ3/PQ2)	with Drilling	132127	133127	133126	132126	Concrete8500	0.8330	.834	0	Deck
133102	Thick (PQ3/PQ2)	with Drilling	133102	134102	134101	133101	Concrete8500	0.8330	.834	0	Deck
133103	Thick (PQ3/PQ2)	with Drilling	133103	134103	134102	133102	Concrete8500	0.9210	1.1691	0	Deck
133104	Thick (PQ3/PQ2)	with Drilling	133104	134104	134103	133103	Concrete8500	1.0150	1.1681	0	Deck
133105	Thick (PQ3/PQ2)	with Drilling	133105	134105	134104	133104	Concrete8500	1.1080	1.1691	0	Deck
133106	Thick (PQ3/PQ2)	with Drilling	133106	134106	134105	133105	Concrete8500	1.2010	1.1691	0	Deck
133107	Thick (PQ3/PQ2)	with Drilling	133107	134107	134106	133106	Concrete8500	1.2940	1.1681	0	Deck
133108	Thick (PQ3/PQ2)	with Drilling	133108	134108	134107	133107	Concrete8500	1.4010	1.5027	0	Deck
133109	Thick (PQ3/PQ2)	with Drilling	133109	134109	134108	133108	Concrete8500	1.5200	1.5027	0	Deck
133110	Thick (PQ3/PQ2)	with Drilling	133110	134110	134109	133109	Concrete8500	1.6400	1.5027	0	Deck
133111	Thick (PQ3/PQ2)	with Drilling	133111	134111	134110	133110	Concrete8500	1.7600	1.5027	0	Deck
133112	Thick (PQ3/PQ2)	with Drilling	133112	134112	134111	133111	Concrete8500	1.8730	1.3364	0	Deck
133113	Thick (PQ3/PQ2)	with Drilling	133113	134113	134112	133112	Concrete8500	1.9650	.9597	0	Deck
133114	Thick (PQ3/PQ2)	with Drilling	133114	134114	134113	133113	Concrete8500	1.7980	.905	0	Deck
133115	Thick (PQ3/PQ2)	with Drilling	133115	134115	134114	133114	Concrete8500	1.7980	.905	0	Deck
133116	Thick (PQ3/PQ2)	with Drilling	133116	134116	134115	133115	Concrete8500	1.9650	.9597	0	Deck
133117	Thick (PQ3/PQ2)	with Drilling	133117	134117	134116	133116	Concrete8500	1.8730	1.3364	0	Deck
133118	Thick (PQ3/PQ2)	with Drilling	133118	134118	134117	133117	Concrete8500	1.7600	1.5027	0	Deck
133119	Thick (PQ3/PQ2)	with Drilling	133119	134119	134118	133118	Concrete8500	1.6400	1.5027	0	Deck
133120	Thick (PQ3/PQ2)	with Drilling	133120	134120	134119	133119	Concrete8500	1.5200	1.5027	0	Deck
133121	Thick (PQ3/PQ2)	with Drilling	133121	134121	134120	133120	Concrete8500	1.4010	1.5027	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
133122	Thick (PQ3/PQ2)	with Drilling	133122	134122	134121	133121	Concrete8500	1.2940	1.1681	0	Deck
133123	Thick (PQ3/PQ2)	with Drilling	133123	134123	134122	133122	Concrete8500	1.2010	1.1691	0	Deck
133124	Thick (PQ3/PQ2)	with Drilling	133124	134124	134123	133123	Concrete8500	1.1080	1.1691	0	Deck
133125	Thick (PQ3/PQ2)	with Drilling	133125	134125	134124	133124	Concrete8500	1.0150	1.1681	0	Deck
133126	Thick (PQ3/PQ2)	with Drilling	133126	134126	134125	133125	Concrete8500	0.9210	1.1691	0	Deck
133127	Thick (PQ3/PQ2)	with Drilling	133127	134127	134126	133126	Concrete8500	0.8330	.834	0	Deck
134102	Thick (PQ3/PQ2)	with Drilling	134102	135102	135101	134101	Concrete8500	0.8330	.834	0	Deck
134103	Thick (PQ3/PQ2)	with Drilling	134103	135103	135102	134102	Concrete8500	0.9210	1.1691	0	Deck
134104	Thick (PQ3/PQ2)	with Drilling	134104	135104	135103	134103	Concrete8500	1.0150	1.1681	0	Deck
134105	Thick (PQ3/PQ2)	with Drilling	134105	135105	135104	134104	Concrete8500	1.1080	1.1691	0	Deck
134106	Thick (PQ3/PQ2)	with Drilling	134106	135106	135105	134105	Concrete8500	1.2010	1.1691	0	Deck
134107	Thick (PQ3/PQ2)	with Drilling	134107	135107	135106	134106	Concrete8500	1.2940	1.1681	0	Deck
134108	Thick (PQ3/PQ2)	with Drilling	134108	135108	135107	134107	Concrete8500	1.4010	1.5027	0	Deck
134109	Thick (PQ3/PQ2)	with Drilling	134109	135109	135108	134108	Concrete8500	1.5200	1.5027	0	Deck
134110	Thick (PQ3/PQ2)	with Drilling	134110	135110	135109	134109	Concrete8500	1.6400	1.5027	0	Deck
134111	Thick (PQ3/PQ2)	with Drilling	134111	135111	135110	134110	Concrete8500	1.7600	1.5027	0	Deck
134112	Thick (PQ3/PQ2)	with Drilling	134112	135112	135111	134111	Concrete8500	1.8730	1.3364	0	Deck
134113	Thick (PQ3/PQ2)	with Drilling	134113	135113	135112	134112	Concrete8500	1.9650	.9597	0	Deck
134114	Thick (PQ3/PQ2)	with Drilling	134114	135114	135113	134113	Concrete8500	1.7980	.905	0	Deck
134115	Thick (PQ3/PQ2)	with Drilling	134115	135115	135114	134114	Concrete8500	1.7980	.905	0	Deck
134116	Thick (PQ3/PQ2)	with Drilling	134116	135116	135115	134115	Concrete8500	1.9650	.9597	0	Deck
134117	Thick (PQ3/PQ2)	with Drilling	134117	135117	135116	134116	Concrete8500	1.8730	1.3364	0	Deck
134118	Thick (PQ3/PQ2)	with Drilling	134118	135118	135117	134117	Concrete8500	1.7600	1.5027	0	Deck
134119	Thick (PQ3/PQ2)	with Drilling	134119	135119	135118	134118	Concrete8500	1.6400	1.5027	0	Deck
134120	Thick (PQ3/PQ2)	with Drilling	134120	135120	135119	134119	Concrete8500	1.5200	1.5027	0	Deck
134121	Thick (PQ3/PQ2)	with Drilling	134121	135121	135120	134120	Concrete8500	1.4010	1.5027	0	Deck
134122	Thick (PQ3/PQ2)	with Drilling	134122	135122	135121	134121	Concrete8500	1.2940	1.1681	0	Deck
134123	Thick (PQ3/PQ2)	with Drilling	134123	135123	135122	134122	Concrete8500	1.2010	1.1691	0	Deck
134124	Thick (PQ3/PQ2)	with Drilling	134124	135124	135123	134123	Concrete8500	1.1080	1.1691	0	Deck
134125	Thick (PQ3/PQ2)	with Drilling	134125	135125	135124	134124	Concrete8500	1.0150	1.1681	0	Deck
134126	Thick (PQ3/PQ2)	with Drilling	134126	135126	135125	134125	Concrete8500	0.9210	1.1691	0	Deck
134127	Thick (PQ3/PQ2)	with Drilling	134127	135127	135126	134126	Concrete8500	0.8330	.834	0	Deck
135102	Thick (PQ3/PQ2)	with Drilling	135102	136102	136101	135101	Concrete8500	0.8330	.834	0	Deck
135103	Thick (PQ3/PQ2)	with Drilling	135103	136103	136102	135102	Concrete8500	0.9210	1.1691	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
135104	Thick (PQ3/PQ2)	with Drilling	135104	136104	136103	135103	Concrete8500	1.0150	1.1681	0	Deck
135105	Thick (PQ3/PQ2)	with Drilling	135105	136105	136104	135104	Concrete8500	1.1080	1.1691	0	Deck
135106	Thick (PQ3/PQ2)	with Drilling	135106	136106	136105	135105	Concrete8500	1.2010	1.1691	0	Deck
135107	Thick (PQ3/PQ2)	with Drilling	135107	136107	136106	135106	Concrete8500	1.2940	1.1681	0	Deck
135108	Thick (PQ3/PQ2)	with Drilling	135108	136108	136107	135107	Concrete8500	1.4010	1.5027	0	Deck
135109	Thick (PQ3/PQ2)	with Drilling	135109	136109	136108	135108	Concrete8500	1.5200	1.5027	0	Deck
135110	Thick (PQ3/PQ2)	with Drilling	135110	136110	136109	135109	Concrete8500	1.6400	1.5027	0	Deck
135111	Thick (PQ3/PQ2)	with Drilling	135111	136111	136110	135110	Concrete8500	1.7600	1.5027	0	Deck
135112	Thick (PQ3/PQ2)	with Drilling	135112	136112	136111	135111	Concrete8500	1.8730	1.3364	0	Deck
135113	Thick (PQ3/PQ2)	with Drilling	135113	136113	136112	135112	Concrete8500	1.9650	.9597	0	Deck
135114	Thick (PQ3/PQ2)	with Drilling	135114	136114	136113	135113	Concrete8500	1.7980	.905	0	Deck
135115	Thick (PQ3/PQ2)	with Drilling	135115	136115	136114	135114	Concrete8500	1.7980	.905	0	Deck
135116	Thick (PQ3/PQ2)	with Drilling	135116	136116	136115	135115	Concrete8500	1.9650	.9597	0	Deck
135117	Thick (PQ3/PQ2)	with Drilling	135117	136117	136116	135116	Concrete8500	1.8730	1.3364	0	Deck
135118	Thick (PQ3/PQ2)	with Drilling	135118	136118	136117	135117	Concrete8500	1.7600	1.5027	0	Deck
135119	Thick (PQ3/PQ2)	with Drilling	135119	136119	136118	135118	Concrete8500	1.6400	1.5027	0	Deck
135120	Thick (PQ3/PQ2)	with Drilling	135120	136120	136119	135119	Concrete8500	1.5200	1.5027	0	Deck
135121	Thick (PQ3/PQ2)	with Drilling	135121	136121	136120	135120	Concrete8500	1.4010	1.5027	0	Deck
135122	Thick (PQ3/PQ2)	with Drilling	135122	136122	136121	135121	Concrete8500	1.2940	1.1681	0	Deck
135123	Thick (PQ3/PQ2)	with Drilling	135123	136123	136122	135122	Concrete8500	1.2010	1.1691	0	Deck
135124	Thick (PQ3/PQ2)	with Drilling	135124	136124	136123	135123	Concrete8500	1.1080	1.1691	0	Deck
135125	Thick (PQ3/PQ2)	with Drilling	135125	136125	136124	135124	Concrete8500	1.0150	1.1681	0	Deck
135126	Thick (PQ3/PQ2)	with Drilling	135126	136126	136125	135125	Concrete8500	0.9210	1.1691	0	Deck
135127	Thick (PQ3/PQ2)	with Drilling	135127	136127	136126	135126	Concrete8500	0.8330	.834	0	Deck
136102	Thick (PQ3/PQ2)	with Drilling	136102	137102	137101	136101	Concrete8500	0.8330	.834	0	Deck
136103	Thick (PQ3/PQ2)	with Drilling	136103	137103	137102	136102	Concrete8500	0.9210	1.1691	0	Deck
136104	Thick (PQ3/PQ2)	with Drilling	136104	137104	137103	136103	Concrete8500	1.0150	1.1681	0	Deck
136105	Thick (PQ3/PQ2)	with Drilling	136105	137105	137104	136104	Concrete8500	1.1080	1.1691	0	Deck
136106	Thick (PQ3/PQ2)	with Drilling	136106	137106	137105	136105	Concrete8500	1.2010	1.1691	0	Deck
136107	Thick (PQ3/PQ2)	with Drilling	136107	137107	137106	136106	Concrete8500	1.2940	1.1681	0	Deck
136108	Thick (PQ3/PQ2)	with Drilling	136108	137108	137107	136107	Concrete8500	1.4010	1.5027	0	Deck
136109	Thick (PQ3/PQ2)	with Drilling	136109	137109	137108	136108	Concrete8500	1.5200	1.5027	0	Deck
136110	Thick (PQ3/PQ2)	with Drilling	136110	137110	137109	136109	Concrete8500	1.6400	1.5027	0	Deck
136111	Thick (PQ3/PQ2)	with Drilling	136111	137111	137110	136110	Concrete8500	1.7600	1.5027	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
136112	Thick (PQ3/PQ2)	with Drilling	136112	137112	137111	136111	Concrete8500	1.8730	1.3364	0	Deck
136113	Thick (PQ3/PQ2)	with Drilling	136113	137113	137112	136112	Concrete8500	1.9650	.9597	0	Deck
136114	Thick (PQ3/PQ2)	with Drilling	136114	137114	137113	136113	Concrete8500	1.7980	.905	0	Deck
136115	Thick (PQ3/PQ2)	with Drilling	136115	137115	137114	136114	Concrete8500	1.7980	.905	0	Deck
136116	Thick (PQ3/PQ2)	with Drilling	136116	137116	137115	136115	Concrete8500	1.9650	.9597	0	Deck
136117	Thick (PQ3/PQ2)	with Drilling	136117	137117	137116	136116	Concrete8500	1.8730	1.3364	0	Deck
136118	Thick (PQ3/PQ2)	with Drilling	136118	137118	137117	136117	Concrete8500	1.7600	1.5027	0	Deck
136119	Thick (PQ3/PQ2)	with Drilling	136119	137119	137118	136118	Concrete8500	1.6400	1.5027	0	Deck
136120	Thick (PQ3/PQ2)	with Drilling	136120	137120	137119	136119	Concrete8500	1.5200	1.5027	0	Deck
136121	Thick (PQ3/PQ2)	with Drilling	136121	137121	137120	136120	Concrete8500	1.4010	1.5027	0	Deck
136122	Thick (PQ3/PQ2)	with Drilling	136122	137122	137121	136121	Concrete8500	1.2940	1.1681	0	Deck
136123	Thick (PQ3/PQ2)	with Drilling	136123	137123	137122	136122	Concrete8500	1.2010	1.1691	0	Deck
136124	Thick (PQ3/PQ2)	with Drilling	136124	137124	137123	136123	Concrete8500	1.1080	1.1691	0	Deck
136125	Thick (PQ3/PQ2)	with Drilling	136125	137125	137124	136124	Concrete8500	1.0150	1.1681	0	Deck
136126	Thick (PQ3/PQ2)	with Drilling	136126	137126	137125	136125	Concrete8500	0.9210	1.1691	0	Deck
136127	Thick (PQ3/PQ2)	with Drilling	136127	137127	137126	136126	Concrete8500	0.8330	.834	0	Deck
137102	Thick (PQ3/PQ2)	with Drilling	137102	138102	138101	137101	Concrete8500	0.8330	.834	0	Deck
137103	Thick (PQ3/PQ2)	with Drilling	137103	138103	138102	137102	Concrete8500	0.9210	1.1691	0	Deck
137104	Thick (PQ3/PQ2)	with Drilling	137104	138104	138103	137103	Concrete8500	1.0150	1.1681	0	Deck
137105	Thick (PQ3/PQ2)	with Drilling	137105	138105	138104	137104	Concrete8500	1.1080	1.1691	0	Deck
137106	Thick (PQ3/PQ2)	with Drilling	137106	138106	138105	137105	Concrete8500	1.2010	1.1691	0	Deck
137107	Thick (PQ3/PQ2)	with Drilling	137107	138107	138106	137106	Concrete8500	1.2940	1.1681	0	Deck
137108	Thick (PQ3/PQ2)	with Drilling	137108	138108	138107	137107	Concrete8500	1.4010	1.5027	0	Deck
137109	Thick (PQ3/PQ2)	with Drilling	137109	138109	138108	137108	Concrete8500	1.5200	1.5027	0	Deck
137110	Thick (PQ3/PQ2)	with Drilling	137110	138110	138109	137109	Concrete8500	1.6400	1.5027	0	Deck
137111	Thick (PQ3/PQ2)	with Drilling	137111	138111	138110	137110	Concrete8500	1.7600	1.5027	0	Deck
137112	Thick (PQ3/PQ2)	with Drilling	137112	138112	138111	137111	Concrete8500	1.8730	1.3364	0	Deck
137113	Thick (PQ3/PQ2)	with Drilling	137113	138113	138112	137112	Concrete8500	1.9650	.9597	0	Deck
137114	Thick (PQ3/PQ2)	with Drilling	137114	138114	138113	137113	Concrete8500	1.7980	.905	0	Deck
137115	Thick (PQ3/PQ2)	with Drilling	137115	138115	138114	137114	Concrete8500	1.7980	.905	0	Deck
137116	Thick (PQ3/PQ2)	with Drilling	137116	138116	138115	137115	Concrete8500	1.9650	.9597	0	Deck
137117	Thick (PQ3/PQ2)	with Drilling	137117	138117	138116	137116	Concrete8500	1.8730	1.3364	0	Deck
137118	Thick (PQ3/PQ2)	with Drilling	137118	138118	138117	137117	Concrete8500	1.7600	1.5027	0	Deck
137119	Thick (PQ3/PQ2)	with Drilling	137119	138119	138118	137118	Concrete8500	1.6400	1.5027	0	Deck



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
137120	Thick (PQ3/PQ2)	with Drilling	137120	138120	138119	137119	Concrete8500	1.5200	1.5027	0	Deck
137121	Thick (PQ3/PQ2)	with Drilling	137121	138121	138120	137120	Concrete8500	1.4010	1.5027	0	Deck
137122	Thick (PQ3/PQ2)	with Drilling	137122	138122	138121	137121	Concrete8500	1.2940	1.1681	0	Deck
137123	Thick (PQ3/PQ2)	with Drilling	137123	138123	138122	137122	Concrete8500	1.2010	1.1691	0	Deck
137124	Thick (PQ3/PQ2)	with Drilling	137124	138124	138123	137123	Concrete8500	1.1080	1.1691	0	Deck
137125	Thick (PQ3/PQ2)	with Drilling	137125	138125	138124	137124	Concrete8500	1.0150	1.1681	0	Deck
137126	Thick (PQ3/PQ2)	with Drilling	137126	138126	138125	137125	Concrete8500	0.9210	1.1691	0	Deck
137127	Thick (PQ3/PQ2)	with Drilling	137127	138127	138126	137126	Concrete8500	0.8330	.834	0	Deck
138102	Thick (PQ3/PQ2)	with Drilling	138102	139102	139101	138101	Concrete8500	0.8330	.834	0	Deck
138103	Thick (PQ3/PQ2)	with Drilling	138103	139103	139102	138102	Concrete8500	0.9210	1.1691	0	Deck
138104	Thick (PQ3/PQ2)	with Drilling	138104	139104	139103	138103	Concrete8500	1.0150	1.1681	0	Deck
138105	Thick (PQ3/PQ2)	with Drilling	138105	139105	139104	138104	Concrete8500	1.1080	1.1691	0	Deck
138106	Thick (PQ3/PQ2)	with Drilling	138106	139106	139105	138105	Concrete8500	1.2010	1.1691	0	Deck
138107	Thick (PQ3/PQ2)	with Drilling	138107	139107	139106	138106	Concrete8500	1.2940	1.1681	0	Deck
138108	Thick (PQ3/PQ2)	with Drilling	138108	139108	139107	138107	Concrete8500	1.4010	1.5027	0	Deck
138109	Thick (PQ3/PQ2)	with Drilling	138109	139109	139108	138108	Concrete8500	1.5200	1.5027	0	Deck
138110	Thick (PQ3/PQ2)	with Drilling	138110	139110	139109	138109	Concrete8500	1.6400	1.5027	0	Deck
138111	Thick (PQ3/PQ2)	with Drilling	138111	139111	139110	138110	Concrete8500	1.7600	1.5027	0	Deck
138112	Thick (PQ3/PQ2)	with Drilling	138112	139112	139111	138111	Concrete8500	1.8730	1.3364	0	Deck
138113	Thick (PQ3/PQ2)	with Drilling	138113	139113	139112	138112	Concrete8500	1.9650	.9597	0	Deck
138114	Thick (PQ3/PQ2)	with Drilling	138114	139114	139113	138113	Concrete8500	1.7980	.905	0	Deck
138115	Thick (PQ3/PQ2)	with Drilling	138115	139115	139114	138114	Concrete8500	1.7980	.905	0	Deck
138116	Thick (PQ3/PQ2)	with Drilling	138116	139116	139115	138115	Concrete8500	1.9650	.9597	0	Deck
138117	Thick (PQ3/PQ2)	with Drilling	138117	139117	139116	138116	Concrete8500	1.8730	1.3364	0	Deck
138118	Thick (PQ3/PQ2)	with Drilling	138118	139118	139117	138117	Concrete8500	1.7600	1.5027	0	Deck
138119	Thick (PQ3/PQ2)	with Drilling	138119	139119	139118	138118	Concrete8500	1.6400	1.5027	0	Deck
138120	Thick (PQ3/PQ2)	with Drilling	138120	139120	139119	138119	Concrete8500	1.5200	1.5027	0	Deck
138121	Thick (PQ3/PQ2)	with Drilling	138121	139121	139120	138120	Concrete8500	1.4010	1.5027	0	Deck
138122	Thick (PQ3/PQ2)	with Drilling	138122	139122	139121	138121	Concrete8500	1.2940	1.1681	0	Deck
138123	Thick (PQ3/PQ2)	with Drilling	138123	139123	139122	138122	Concrete8500	1.2010	1.1691	0	Deck
138124	Thick (PQ3/PQ2)	with Drilling	138124	139124	139123	138123	Concrete8500	1.1080	1.1691	0	Deck
138125	Thick (PQ3/PQ2)	with Drilling	138125	139125	139124	138124	Concrete8500	1.0150	1.1681	0	Deck
138126	Thick (PQ3/PQ2)	with Drilling	138126	139126	139125	138125	Concrete8500	0.9210	1.1691	0	Deck
138127	Thick (PQ3/PQ2)	with Drilling	138127	139127	139126	138126	Concrete8500	0.8330	.834	0	Deck

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
139102	Thick (PQ3/PQ2)	with Drilling	139102	140102	140101	139101	Concrete8500	0.8330	.834	0	Deck
139103	Thick (PQ3/PQ2)	with Drilling	139103	140103	140102	139102	Concrete8500	0.9210	1.1691	0	Deck
139104	Thick (PQ3/PQ2)	with Drilling	139104	140104	140103	139103	Concrete8500	1.0150	1.1681	0	Deck
139105	Thick (PQ3/PQ2)	with Drilling	139105	140105	140104	139104	Concrete8500	1.1080	1.1691	0	Deck
139106	Thick (PQ3/PQ2)	with Drilling	139106	140106	140105	139105	Concrete8500	1.2010	1.1691	0	Deck
139107	Thick (PQ3/PQ2)	with Drilling	139107	140107	140106	139106	Concrete8500	1.2940	1.1681	0	Deck
139108	Thick (PQ3/PQ2)	with Drilling	139108	140108	140107	139107	Concrete8500	1.4010	1.5027	0	Deck
139109	Thick (PQ3/PQ2)	with Drilling	139109	140109	140108	139108	Concrete8500	1.5200	1.5027	0	Deck
139110	Thick (PQ3/PQ2)	with Drilling	139110	140110	140109	139109	Concrete8500	1.6400	1.5027	0	Deck
139111	Thick (PQ3/PQ2)	with Drilling	139111	140111	140110	139110	Concrete8500	1.7600	1.5027	0	Deck
139112	Thick (PQ3/PQ2)	with Drilling	139112	140112	140111	139111	Concrete8500	1.8730	1.3364	0	Deck
139113	Thick (PQ3/PQ2)	with Drilling	139113	140113	140112	139112	Concrete8500	1.9650	.9597	0	Deck
139114	Thick (PQ3/PQ2)	with Drilling	139114	140114	140113	139113	Concrete8500	1.7980	.905	0	Deck
139115	Thick (PQ3/PQ2)	with Drilling	139115	140115	140114	139114	Concrete8500	1.7980	.905	0	Deck
139116	Thick (PQ3/PQ2)	with Drilling	139116	140116	140115	139115	Concrete8500	1.9650	.9597	0	Deck
139117	Thick (PQ3/PQ2)	with Drilling	139117	140117	140116	139116	Concrete8500	1.8730	1.3364	0	Deck
139118	Thick (PQ3/PQ2)	with Drilling	139118	140118	140117	139117	Concrete8500	1.7600	1.5027	0	Deck
139119	Thick (PQ3/PQ2)	with Drilling	139119	140119	140118	139118	Concrete8500	1.6400	1.5027	0	Deck
139120	Thick (PQ3/PQ2)	with Drilling	139120	140120	140119	139119	Concrete8500	1.5200	1.5027	0	Deck
139121	Thick (PQ3/PQ2)	with Drilling	139121	140121	140120	139120	Concrete8500	1.4010	1.5027	0	Deck
139122	Thick (PQ3/PQ2)	with Drilling	139122	140122	140121	139121	Concrete8500	1.2940	1.1681	0	Deck
139123	Thick (PQ3/PQ2)	with Drilling	139123	140123	140122	139122	Concrete8500	1.2010	1.1691	0	Deck
139124	Thick (PQ3/PQ2)	with Drilling	139124	140124	140123	139123	Concrete8500	1.1080	1.1691	0	Deck
139125	Thick (PQ3/PQ2)	with Drilling	139125	140125	140124	139124	Concrete8500	1.0150	1.1681	0	Deck
139126	Thick (PQ3/PQ2)	with Drilling	139126	140126	140125	139125	Concrete8500	0.9210	1.1691	0	Deck
139127	Thick (PQ3/PQ2)	with Drilling	139127	140127	140126	139126	Concrete8500	0.8330	.834	0	Deck
101207	Thick (PQ3/PQ2)	with Drilling	101207	101107	101106	101206	Concrete8500	2.0000	1.0441	0	Diaphragm
101208	Thick (PQ3/PQ2)	with Drilling	101208	101108	101107	101207	Concrete8500	2.0000	1.5	0	Diaphragm
101209	Thick (PQ3/PQ2)	with Drilling	101209	101109	101108	101208	Concrete8500	2.0000	1.365	0	Diaphragm
101210	Thick (PQ3/PQ2)	with Drilling	101210	101110	101109	101209	Concrete8500	2.0000	1.23	0	Diaphragm
101211	Thick (PQ3/PQ2)	with Drilling	101211	101111	101110	101210	Concrete8500	2.0000	1.095	0	Diaphragm
101212	Thick (PQ3/PQ2)	with Drilling	101212	101112	101111	101211	Concrete8500	2.0000	.8604	0	Diaphragm
101213	Thick (PQ3/PQ2)	with Drilling	101213	101113	101112	101212	Concrete8500	2.0000	.5523	0	Diaphragm
101216	Thick (PQ3/PQ2)	with Drilling	101216	101116	101115	101215	Concrete8500	2.0000	.5523	0	Diaphragm

INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
101217	Thick (PQ3/PQ2)	with Drilling	101217	101117	101116	101216	Concrete8500	2.0000	.8604	0	Diaphragm
101218	Thick (PQ3/PQ2)	with Drilling	101218	101118	101117	101217	Concrete8500	2.0000	1.095	0	Diaphragm
101219	Thick (PQ3/PQ2)	with Drilling	101219	101119	101118	101218	Concrete8500	2.0000	1.23	0	Diaphragm
101220	Thick (PQ3/PQ2)	with Drilling	101220	101120	101119	101219	Concrete8500	2.0000	1.365	0	Diaphragm
101221	Thick (PQ3/PQ2)	with Drilling	101221	101121	101120	101220	Concrete8500	2.0000	1.5	0	Diaphragm
101222	Thick (PQ3/PQ2)	with Drilling	101222	101122	101121	101221	Concrete8500	2.0000	1.0441	0	Diaphragm
101307	Thick (PQ3/PQ2)	with Drilling	101307	101207	101206	101306	Concrete8500	2.0000	.3412	0	Diaphragm
101308	Thick (PQ3/PQ2)	with Drilling	101308	101208	101207	101307	Concrete8500	2.0000	.7365	0	Diaphragm
101309	Thick (PQ3/PQ2)	with Drilling	101309	101209	101208	101308	Concrete8500	2.0000	.7365	0	Diaphragm
101310	Thick (PQ3/PQ2)	with Drilling	101310	101210	101209	101309	Concrete8500	2.0000	.7365	0	Diaphragm
101311	Thick (PQ3/PQ2)	with Drilling	101311	101211	101210	101310	Concrete8500	2.0000	.7365	0	Diaphragm
101312	Thick (PQ3/PQ2)	with Drilling	101312	101212	101211	101311	Concrete8500	2.0000	.655	0	Diaphragm
101313	Thick (PQ3/PQ2)	with Drilling	101313	101213	101212	101312	Concrete8500	2.0000	.4704	0	Diaphragm
101316	Thick (PQ3/PQ2)	with Drilling	101316	101216	101215	101315	Concrete8500	2.0000	.4704	0	Diaphragm
101317	Thick (PQ3/PQ2)	with Drilling	101317	101217	101216	101316	Concrete8500	2.0000	.655	0	Diaphragm
101318	Thick (PQ3/PQ2)	with Drilling	101318	101218	101217	101317	Concrete8500	2.0000	.7365	0	Diaphragm
101319	Thick (PQ3/PQ2)	with Drilling	101319	101219	101218	101318	Concrete8500	2.0000	.7365	0	Diaphragm
101320	Thick (PQ3/PQ2)	with Drilling	101320	101220	101219	101319	Concrete8500	2.0000	.7365	0	Diaphragm
101321	Thick (PQ3/PQ2)	with Drilling	101321	101221	101220	101320	Concrete8500	2.0000	.7365	0	Diaphragm
101322	Thick (PQ3/PQ2)	with Drilling	101322	101222	101221	101321	Concrete8500	2.0000	.3412	0	Diaphragm
101407	Thick (PQ3/PQ2)	with Drilling	101407	101307	101306	101406	Concrete8500	2.0000	.2618	0	Diaphragm
101408	Thick (PQ3/PQ2)	with Drilling	101408	101308	101307	101407	Concrete8500	2.0000	.75	0	Diaphragm
101409	Thick (PQ3/PQ2)	with Drilling	101409	101309	101308	101408	Concrete8500	2.0000	.75	0	Diaphragm
101410	Thick (PQ3/PQ2)	with Drilling	101410	101310	101309	101409	Concrete8500	2.0000	.75	0	Diaphragm
101411	Thick (PQ3/PQ2)	with Drilling	101411	101311	101310	101410	Concrete8500	2.0000	.75	0	Diaphragm
101412	Thick (PQ3/PQ2)	with Drilling	101412	101312	101311	101411	Concrete8500	2.0000	.667	0	Diaphragm
101413	Thick (PQ3/PQ2)	with Drilling	101413	101313	101312	101412	Concrete8500	2.0000	.479	0	Diaphragm
101416	Thick (PQ3/PQ2)	with Drilling	101416	101316	101315	101415	Concrete8500	2.0000	.479	0	Diaphragm
101417	Thick (PQ3/PQ2)	with Drilling	101417	101317	101316	101416	Concrete8500	2.0000	.667	0	Diaphragm
101418	Thick (PQ3/PQ2)	with Drilling	101418	101318	101317	101417	Concrete8500	2.0000	.75	0	Diaphragm
101419	Thick (PQ3/PQ2)	with Drilling	101419	101319	101318	101418	Concrete8500	2.0000	.75	0	Diaphragm
101420	Thick (PQ3/PQ2)	with Drilling	101420	101320	101319	101419	Concrete8500	2.0000	.75	0	Diaphragm
101421	Thick (PQ3/PQ2)	with Drilling	101421	101321	101320	101420	Concrete8500	2.0000	.75	0	Diaphragm
101422	Thick (PQ3/PQ2)	with Drilling	101422	101322	101321	101421	Concrete8500	2.0000	.2618	0	Diaphragm



INPUT : Plates

ID	Bending Type	Membrane Type	I-Joint	J-Joint	K-Joint	L-Joint	Material	Thickness (ft)	Area (ft²)	Casting (day)	Structure Group
101507	Thick (PQ3/PQ2)	with Drilling	101507	101407	101406	101506	Concrete8500	2.0000	.2302	0	Diaphragm
101508	Thick (PQ3/PQ2)	with Drilling	101508	101408	101407	101507	Concrete8500	2.0000	1.1265	0	Diaphragm
101509	Thick (PQ3/PQ2)	with Drilling	101509	101409	101408	101508	Concrete8500	2.0000	1.1265	0	Diaphragm
101510	Thick (PQ3/PQ2)	with Drilling	101510	101410	101409	101509	Concrete8500	2.0000	1.1265	0	Diaphragm
101511	Thick (PQ3/PQ2)	with Drilling	101511	101411	101410	101510	Concrete8500	2.0000	1.1265	0	Diaphragm
101512	Thick (PQ3/PQ2)	with Drilling	101512	101412	101411	101511	Concrete8500	2.0000	1.0018	0	Diaphragm
101513	Thick (PQ3/PQ2)	with Drilling	101513	101413	101412	101512	Concrete8500	2.0000	.7195	0	Diaphragm
101514	Thick (PQ3/PQ2)	with Drilling	101514	101414	101413	101513	Concrete8500	2.0000	.6571	0	Diaphragm, Mid region
101515	Thick (PQ3/PQ2)	with Drilling	101515	101415	101414	101514	Concrete8500	2.0000	.6571	0	Diaphragm, Mid region
101516	Thick (PQ3/PQ2)	with Drilling	101516	101416	101415	101515	Concrete8500	2.0000	.7195	0	Diaphragm
101517	Thick (PQ3/PQ2)	with Drilling	101517	101417	101416	101516	Concrete8500	2.0000	1.0018	0	Diaphragm
101518	Thick (PQ3/PQ2)	with Drilling	101518	101418	101417	101517	Concrete8500	2.0000	1.1265	0	Diaphragm
101519	Thick (PQ3/PQ2)	with Drilling	101519	101419	101418	101518	Concrete8500	2.0000	1.1265	0	Diaphragm
101520	Thick (PQ3/PQ2)	with Drilling	101520	101420	101419	101519	Concrete8500	2.0000	1.1265	0	Diaphragm
101521	Thick (PQ3/PQ2)	with Drilling	101521	101421	101420	101520	Concrete8500	2.0000	1.1265	0	Diaphragm
101522	Thick (PQ3/PQ2)	with Drilling	101522	101422	101421	101521	Concrete8500	2.0000	.2302	0	Diaphragm
101607	Thick (PQ3/PQ2)	Bilinear	101607	101507	101506	(none)	Concrete8500	2.0000	.066	0	Diaphragm
101608	Thick (PQ3/PQ2)	with Drilling	101608	101508	101507	101607	Concrete8500	2.0000	1.0935	0	Diaphragm
101609	Thick (PQ3/PQ2)	with Drilling	101609	101509	101508	101608	Concrete8500	2.0000	1.125	0	Diaphragm
101610	Thick (PQ3/PQ2)	with Drilling	101610	101510	101509	101609	Concrete8500	2.0000	1.125	0	Diaphragm
101611	Thick (PQ3/PQ2)	with Drilling	101611	101511	101510	101610	Concrete8500	2.0000	1.125	0	Diaphragm
101612	Thick (PQ3/PQ2)	with Drilling	101612	101512	101511	101611	Concrete8500	2.0000	1.0005	0	Diaphragm
101613	Thick (PQ3/PQ2)	with Drilling	101613	101513	101512	101612	Concrete8500	2.0000	.7185	0	Diaphragm
101614	Thick (PQ3/PQ2)	with Drilling	101614	101514	101513	101613	Concrete8500	2.0000	.6563	0	Diaphragm, Mid region
101615	Thick (PQ3/PQ2)	with Drilling	101615	101515	101514	101614	Concrete8500	2.0000	.6563	0	Diaphragm, Mid region
101616	Thick (PQ3/PQ2)	with Drilling	101616	101516	101515	101615	Concrete8500	2.0000	.7185	0	Diaphragm
101617	Thick (PQ3/PQ2)	with Drilling	101617	101517	101516	101616	Concrete8500	2.0000	1.0005	0	Diaphragm
101618	Thick (PQ3/PQ2)	with Drilling	101618	101518	101517	101617	Concrete8500	2.0000	1.125	0	Diaphragm
101619	Thick (PQ3/PQ2)	with Drilling	101619	101519	101518	101618	Concrete8500	2.0000	1.125	0	Diaphragm
101620	Thick (PQ3/PQ2)	with Drilling	101620	101520	101519	101619	Concrete8500	2.0000	1.125	0	Diaphragm
101621	Thick (PQ3/PQ2)	with Drilling	101621	101521	101520	101620	Concrete8500	2.0000	1.0935	0	Diaphragm
101622	Thick (PQ3/PQ2)	Bilinear	101522	101521	101621	(none)	Concrete8500	2.0000	.066	0	Diaphragm



INPUT : More Material Properties

Name	Yield Stress (kips/ft²)	Post-yield to Initial Slope Ratio	Concrete Strength Specimen	Concrete fc28 or Steel Fu (kips/ft²)	Concrete Cement Hardening Type	Tendon GUTS (kips/ft²)	Material Time-Effect	Assigned
Concrete8500	0.00	0.020	Cylinder	0.00	Not Concrete	0.00	(NONE)	Yes

INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
100102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
101105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
102113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
103121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
105103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
106111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
107119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
107127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
108126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
108127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
109127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
110109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
110127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
111117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
111127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
112125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
112127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
113127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
114107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
114127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
115115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
115127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
116123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
116127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
117127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
118105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
118127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
119113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
119127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
120121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
120127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
121127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
122103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
122127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
123111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
123127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
124119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
124127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
125126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
125127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
126127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
127109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
127127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
128117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
128127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
129125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
129127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
130127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
131107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
131127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
132115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
132127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
133123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
133127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
134127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
135105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
135127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
136113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
136127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
137121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
137127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
138127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
139103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139105	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139125	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
139127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101207	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101208	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101209	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101211	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101212	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101216	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101217	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
101218	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101220	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101221	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101222	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101307	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101308	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101309	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101310	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101311	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101312	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101313	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101316	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101317	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101319	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101321	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101322	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101407	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101408	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101409	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101411	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101412	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101413	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101416	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101418	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101421	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101422	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101507	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



INPUT : Plate Offsets

ID	I-Offset X (ft)	I-Offset Y (ft)	I-Offset Z (ft)	J-Offset X (ft)	J-Offset Y (ft)	J-Offset Z (ft)	K-Offset X (ft)	K-Offset Y (ft)	K-Offset Z (ft)	L-Offset X (ft)	L-Offset Y (ft)	L-Offset Z (ft)
101508	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101509	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101511	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101512	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101513	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101514	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101515	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101516	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101517	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101518	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101519	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101520	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101521	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101522	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101607	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101608	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101609	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101610	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101611	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101612	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101613	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101614	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101616	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101617	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101618	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101620	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101621	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101622	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000



Load Cases

ID	Name	Analysis Type	Class	Status	Weight Factor X	Weight Factor Y	Weight Factor Z	Is Dynamic Mass?	Assigned to Load Combinati	# of Joint Loads	# of Support Loads	# of Member Loads	# of Member Thermal	# of Plate Loads	# of Moving Loads	# of THA Loadings	# of THA Initial Conditio
1	Self weight	Static	Dead Load	Active	0.0000	0.0000	-1.0000	No	Yes	0	0	0	0	0	0	0	0
2	Dead load curbs	Static	Dead Load	Active	0.0000	0.0000	0.0000	No	Yes	82	0	0	0	0	0	0	0
3	Deck PT longitudinal	Static	Dead Load	Active	0.0000	0.0000	0.0000	No	Yes	12	0	0	0	0	0	0	0
4	Deck PT transverse	Static	Dead Load	Active	0.0000	0.0000	0.0000	No	Yes	111	0	0	0	0	0	0	0
5	Deck struts longitudinal	Static	Dead Load	Active	0.0000	0.0000	0.0000	No	Yes	20	0	0	0	0	0	0	0
6	Deck struts vertical	Static	Dead Load	Active	0.0000	0.0000	0.0000	No	Yes	20	0	0	0	0	0	0	0

LOAD CASE Dead load curbs, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
100101	0.0000	0.0000	-0.0360	0.0000	0.0000	0.0000
101101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
102101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
103101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
104101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
105101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
106101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
107101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
108101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
109101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
110101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
111101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
112101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
113101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
114101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
115101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
116101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
117101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
118101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
119101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
120101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
121101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000



LOAD CASE Dead load curbs, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
122101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
123101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
124101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
125101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
126101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
127101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
128101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
129101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
130101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
131101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
132101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
133101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
134101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
135101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
136101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
137101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
138101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
139101	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
140101	0.0000	0.0000	-0.0360	0.0000	0.0000	0.0000
100127	0.0000	0.0000	-0.0360	0.0000	0.0000	0.0000
101127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
102127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
103127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
104127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
105127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
106127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
107127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
108127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
109127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
110127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
111127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
112127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
113127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
114127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000



LOAD CASE Dead load curbs, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
115127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
116127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
117127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
118127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
119127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
120127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
121127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
122127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
123127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
124127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
125127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
126127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
127127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
128127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
129127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
130127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
131127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
132127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
133127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
134127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
135127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
136127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
137127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
138127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
139127	0.0000	0.0000	-0.0720	0.0000	0.0000	0.0000
140127	0.0000	0.0000	-0.0360	0.0000	0.0000	0.0000

LOAD CASE Deck PT longitudinal, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
100107	807.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100108	807.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100109	807.0000	0.0000	0.0000	0.0000	0.0000	0.0000



LOAD CASE Deck PT longitudinal, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
100110	807.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100111	807.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100112	509.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100116	509.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100117	807.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100118	807.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100119	807.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100120	807.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100121	807.0000	0.0000	0.0000	0.0000	0.0000	0.0000

LOAD CASE Deck PT transverse, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
104101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
105101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
106101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
107101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
108101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
109101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
110101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
111101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
112101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
113101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
114101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
115101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
116101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
117101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
118101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
119101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
120101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
121101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
122101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
123101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000



LOAD CASE Deck PT transverse, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
124101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
125101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
126101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
127101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
128101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
129101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
130101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
131101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
132101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
133101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
134101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
135101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
136101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
137101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
138101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
139101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
140101	0.0000	-59.7300	-1.1900	1.8500	0.0000	0.0000
104127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
105127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
106127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
107127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
108127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
109127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
110127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
111127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
112127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
113127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
114127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
115127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
116127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
117127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
118127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
119127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
120127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000



LOAD CASE Deck PT transverse, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
121127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
122127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
123127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
124127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
125127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
126127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
127127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
128127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
129127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
130127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
131127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
132127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
133127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
134127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
135127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
136127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
137127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
138127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
139127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
140127	0.0000	59.7300	-1.1900	-1.8500	0.0000	0.0000
104114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
105114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
106114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
107114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
108114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
109114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
110114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
111114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
112114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
113114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
114114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
115114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
116114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
117114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000



LOAD CASE Deck PT transverse, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
118114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
119114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
120114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
121114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
122114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
123114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
124114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
125114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
126114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
127114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
128114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
129114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
130114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
131114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
132114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
133114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
134114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
135114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
136114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
137114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
138114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
139114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000
140114	0.0000	0.0000	2.3800	0.0000	0.0000	0.0000

LOAD CASE Deck struts longitudinal, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
100113	-25.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101113	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102113	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103113	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104113	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105113	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000



LOAD CASE Deck struts longitudinal, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
106113	-25.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101114	-100.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102114	-100.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103114	-100.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104114	-100.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105114	-100.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106114	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000
100115	-25.0000	0.0000	0.0000	0.0000	0.0000	0.0000
101115	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000
102115	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000
103115	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000
104115	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000
105115	-50.0000	0.0000	0.0000	0.0000	0.0000	0.0000
106115	-25.0000	0.0000	0.0000	0.0000	0.0000	0.0000

LOAD CASE Deck struts vertical, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
100113	0.0000	0.0000	-16.2920	0.0000	0.0000	0.0000
101113	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000
102113	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000
103113	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000
104113	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000
105113	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000
106113	0.0000	0.0000	-16.2920	0.0000	0.0000	0.0000
101114	0.0000	0.0000	-65.1670	0.0000	0.0000	0.0000
102114	0.0000	0.0000	-65.1670	0.0000	0.0000	0.0000
103114	0.0000	0.0000	-65.1680	0.0000	0.0000	0.0000
104114	0.0000	0.0000	-65.1670	0.0000	0.0000	0.0000
105114	0.0000	0.0000	-65.1670	0.0000	0.0000	0.0000
106114	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000
100115	0.0000	0.0000	-16.2920	0.0000	0.0000	0.0000
101115	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000



LOAD CASE Deck struts vertical, Joint Loads

Joint	X-Force (kips)	Y-Force (kips)	Z-Force (kips)	X-Moment (kips-ft)	Y-Moment (kips-ft)	Z-Moment (kips-ft)
102115	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000
103115	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000
104115	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000
105115	0.0000	0.0000	-32.5830	0.0000	0.0000	0.0000
106115	0.0000	0.0000	-16.2920	0.0000	0.0000	0.0000

LOAD COMBINATION Dead load deck & diaphragm

Load Case	Factor
Self weight	1.00
Dead load curbs	1.00

LOAD COMBINATION Full vertical dead load

Load Case	Factor
Self weight	1.00
Dead load curbs	1.00
Deck struts vertical	1.00

LOAD COMBINATION Full dead load

Load Case	Factor
Self weight	1.00
Dead load curbs	1.00
Deck struts vertical	1.00
Deck struts longitudinal	1.00

LOAD COMBINATION All loadings

Load Case	Factor
Self weight	1.00
Dead load curbs	1.00



LOAD COMBINATION All loadings

Load Case	Factor
Deck struts vertical	1.00
Deck struts longitudinal	1.00
Deck PT longitudinal	1.00
Deck PT transverse	1.00



9/6/2018

07_deck_dia_plates_new_alp.lar

LAR6A

LARSA 4D Data File in ASCII Format

Created in LARSA 4D version 8.0r8000 on 9/6/2018 2:14:51 PM

BEGIN INTRO

Project Information:

4 Records

LARSAVersion=8.0.8000

title=

author=cburgess

comments=

END INTRO

BEGIN ANALYSIS

Analysis Parameters

63 Records

analysis=15

solver=AUTOMATIC

instability=False

keepPrevious=False

showDetails=False

allowCaching=True

resultsForConstructedOnly=True

stageStart=0

stageEnd=0

convergenceMaxIter=10

convergenceDispTol=0.01

convergenceForceTol=1

modalNumShapes=1

dampingAlpha=0

dampingBeta=0

newmarkAlpha=0.5

newmarkDelta=0.25

loadCaseSolve=True

combCaseSolve=True

eigenvalueCase=1

eigenvalueComb=0

loadingIncrement=10

csCreep=False

csShrinkage=False

csModulusTime=False

csCode=CEBFIP90

csHumidity=80

creepBeamTensileAxialForce=False

steelRelaxation=True

lossesCreepShrinkage=True

9/6/2018

07_deck_dia_plates_new_alp.lar

```

analysisRelaxationLaw=
incremental=False
combinationCaseStart=0
combinationCaseEnd=0
universalRestrains=000000
pushoverMinimumIncrement=0.0001
pushoverMaximumIncrement=1
pushoverInitialIncrement=1
pushoverStoppingJoint=0
pushoverStoppingDOF=0
pushoverStoppingDisplacement=1
pushoverArcLength=True
pushoverAutoIncrement=True
timeHistoryExcitationOption=0
timeHistoryUniformBaseCurveX=0
timeHistoryUniformBaseCurveY=0
timeHistoryUniformBaseCurveZ=0
timeHistoryNewtonRaphson=0
timeHistoryIntegrationMethod=0
timeHistoryInitialSize=1
timeHistoryMinSize=0.0001
timeHistoryMaxSize=1
timeHistoryEndingTime=1
analysisGeometricNonlinearity=False
timestepResolution=1
includeTorsionalMass=False
outputLocation=1
activeUCS=0
applySectionOffsetsInGlobal=-1
analysisLoadClassBased=False
analysisStageApplyAllCasesAtOnce=True
analysisCableCompressiveStrength=0
analysisPostTensionLoadTolerance=0.05
END ANALYSIS

```

```

BEGIN UNITS

```

```

The following are the units used for this project:

```

```

18 Records
material:length=ft
material:force=kip
material:temperature=F
load:length=ft
load:force=kip
load:temperature=F
spring:length=ft
spring:force=kip

```

07_deck_dia_plates_new_alp.lar

9/6/2018

```

mass elements:length=ft
mass elements:force=kip
section:length=ft
coordinate:length=ft
displacement:length=ft
displacement:angle=rad
force:length=ft
force:force=kip
stress:length=ft
stress:force=kip
END UNITS

```

BEGIN MATERIALS

```

FORMAT: NUMBER, NAME, MODULUS OF ELASTICITY, SHEAR MODULUS, UNIT WEIGHT, COEFFICIENT OF THERMAL EXPANSION,
YIELD STRESS

```

1 Records

```

1, "Concrete8500", 756740, 315308.333333333, .15, 6, 0, 0, 0, 0, 0, .02, 0, 0, 0, 0

```

END MATERIALS

BEGIN JOINTS

```

FORMAT: NUMBER, X, Y, Z, CONSTRAINT (TRANS:XYZ,ROT:XYZ 0/1), DISPLACEMENT COORD SYSTEM

```

1187 Records

```

100101, 0, 15.833, -.396, "000000", 0, 0, 0
100102, 0, 15, -.437, "000000", 0, 0, 0
100103, 0, 13.833, -.507, "000000", 0, 0, 0
100104, 0, 12.667, -.577, "000000", 0, 0, 0
100105, 0, 11.5, -.647, "000000", 0, 0, 0
100106, 0, 10.333, -.717, "000000", 0, 0, 0
100107, 0, 9.167, -.787, "000000", 0, 0, 0
100108, 0, 7.667, -.877, "000000", 0, 0, 0
100109, 0, 6.167, -.967, "000000", 0, 0, 0
100110, 0, 4.667, -1.057, "000000", 0, 0, 0
100111, 0, 3.167, -1.147, "000000", 0, 0, 0
100112, 0, 1.833, -1.227, "000000", 0, 0, 0
100113, 0, .875, -1.284, "000000", 0, 0, 0
100115, 0, -.875, -1.284, "000000", 0, 0, 0
100116, 0, -1.833, -1.227, "000000", 0, 0, 0
100117, 0, -3.167, -1.147, "000000", 0, 0, 0
100118, 0, -4.667, -1.057, "000000", 0, 0, 0
100119, 0, -6.167, -.967, "000000", 0, 0, 0
100120, 0, -7.667, -.877, "000000", 0, 0, 0
100121, 0, -9.167, -.787, "000000", 0, 0, 0
100122, 0, -10.333, -.717, "000000", 0, 0, 0
100123, 0, -11.5, -.647, "000000", 0, 0, 0
100124, 0, -12.667, -.577, "000000", 0, 0, 0
100125, 0, -13.833, -.507, "000000", 0, 0, 0

```


07_deck_dia_plates_new_alp.lar

9/6/2018

100126,0,-15,-.437,"000000",0,0,0
100127,0,-15.833,-.396,"000000",0,0,0
101101,1,15.833,-.396,"000000",0,0,0
101102,1,15,-.437,"000000",0,0,0
101103,1,13.833,-.507,"000000",0,0,0
101104,1,12.667,-.577,"000000",0,0,0
101105,1,11.5,-.647,"000000",0,0,0
101106,1,10.333,-.717,"000000",0,0,0
101107,1,9.167,-.787,"000000",0,0,0
101108,1,7.667,-.877,"000000",0,0,0
101109,1,6.167,-.967,"000000",0,0,0
101110,1,4.667,-1.057,"000000",0,0,0
101111,1,3.167,-1.147,"000000",0,0,0
101112,1,1.833,-1.227,"000000",0,0,0
101113,1,.875,-1.284,"000000",0,0,0
101114,1,0,-1.053,"000000",0,0,0
101115,1,-.875,-1.284,"000000",0,0,0
101116,1,-1.833,-1.227,"000000",0,0,0
101117,1,-3.167,-1.147,"000000",0,0,0
101118,1,-4.667,-1.057,"000000",0,0,0
101119,1,-6.167,-.967,"000000",0,0,0
101120,1,-7.667,-.877,"000000",0,0,0
101121,1,-9.167,-.787,"000000",0,0,0
101122,1,-10.333,-.717,"000000",0,0,0
101123,1,-11.5,-.647,"000000",0,0,0
101124,1,-12.667,-.577,"000000",0,0,0
101125,1,-13.833,-.507,"000000",0,0,0
101126,1,-15,-.437,"000000",0,0,0
101127,1,-15.833,-.396,"000000",0,0,0
102101,2,15.833,-.396,"000000",0,0,0
102102,2,15,-.437,"000000",0,0,0
102103,2,13.833,-.507,"000000",0,0,0
102104,2,12.667,-.577,"000000",0,0,0
102105,2,11.5,-.647,"000000",0,0,0
102106,2,10.333,-.717,"000000",0,0,0
102107,2,9.167,-.787,"000000",0,0,0
102108,2,7.667,-.877,"000000",0,0,0
102109,2,6.167,-.967,"000000",0,0,0
102110,2,4.667,-1.057,"000000",0,0,0
102111,2,3.167,-1.147,"000000",0,0,0
102112,2,1.833,-1.227,"000000",0,0,0
102113,2,.875,-1.284,"000000",0,0,0
102114,2,0,-1.053,"000000",0,0,0
102115,2,-.875,-1.284,"000000",0,0,0
102116,2,-1.833,-1.227,"000000",0,0,0
102117,2,-3.167,-1.147,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

102118,2,-4.667,-1.057,"000000",0,0,0
102119,2,-6.167,-.967,"000000",0,0,0
102120,2,-7.667,-.877,"000000",0,0,0
102121,2,-9.167,-.787,"000000",0,0,0
102122,2,-10.333,-.717,"000000",0,0,0
102123,2,-11.5,-.647,"000000",0,0,0
102124,2,-12.667,-.577,"000000",0,0,0
102125,2,-13.833,-.507,"000000",0,0,0
102126,2,-15,-.437,"000000",0,0,0
102127,2,-15.833,-.396,"000000",0,0,0
103101,3,15.833,-.396,"000000",0,0,0
103102,3,15,-.437,"000000",0,0,0
103103,3,13.833,-.507,"000000",0,0,0
103104,3,12.667,-.577,"000000",0,0,0
103105,3,11.5,-.647,"000000",0,0,0
103106,3,10.333,-.717,"000000",0,0,0
103107,3,9.167,-.787,"000000",0,0,0
103108,3,7.667,-.877,"000000",0,0,0
103109,3,6.167,-.967,"000000",0,0,0
103110,3,4.667,-1.057,"000000",0,0,0
103111,3,3.167,-1.147,"000000",0,0,0
103112,3,1.833,-1.227,"000000",0,0,0
103113,3,.875,-1.284,"000000",0,0,0
103114,3,0,-1.053,"000000",0,0,0
103115,3,-.875,-1.284,"000000",0,0,0
103116,3,-1.833,-1.227,"000000",0,0,0
103117,3,-3.167,-1.147,"000000",0,0,0
103118,3,-4.667,-1.057,"000000",0,0,0
103119,3,-6.167,-.967,"000000",0,0,0
103120,3,-7.667,-.877,"000000",0,0,0
103121,3,-9.167,-.787,"000000",0,0,0
103122,3,-10.333,-.717,"000000",0,0,0
103123,3,-11.5,-.647,"000000",0,0,0
103124,3,-12.667,-.577,"000000",0,0,0
103125,3,-13.833,-.507,"000000",0,0,0
103126,3,-15,-.437,"000000",0,0,0
103127,3,-15.833,-.396,"000000",0,0,0
104101,4,15.833,-.396,"000000",0,0,0
104102,4,15,-.437,"000000",0,0,0
104103,4,13.833,-.507,"000000",0,0,0
104104,4,12.667,-.577,"000000",0,0,0
104105,4,11.5,-.647,"000000",0,0,0
104106,4,10.333,-.717,"000000",0,0,0
104107,4,9.167,-.787,"000000",0,0,0
104108,4,7.667,-.877,"000000",0,0,0
104109,4,6.167,-.967,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

104110,4,4.667,-1.057,"000000",0,0,0
104111,4,3.167,-1.147,"000000",0,0,0
104112,4,1.833,-1.227,"000000",0,0,0
104113,4,.875,-1.284,"000000",0,0,0
104114,4,0,-1.053,"000000",0,0,0
104115,4,-.875,-1.284,"000000",0,0,0
104116,4,-1.833,-1.227,"000000",0,0,0
104117,4,-3.167,-1.147,"000000",0,0,0
104118,4,-4.667,-1.057,"000000",0,0,0
104119,4,-6.167,-.967,"000000",0,0,0
104120,4,-7.667,-.877,"000000",0,0,0
104121,4,-9.167,-.787,"000000",0,0,0
104122,4,-10.333,-.717,"000000",0,0,0
104123,4,-11.5,-.647,"000000",0,0,0
104124,4,-12.667,-.577,"000000",0,0,0
104125,4,-13.833,-.507,"000000",0,0,0
104126,4,-15,-.437,"000000",0,0,0
104127,4,-15.833,-.396,"000000",0,0,0
105101,5,15.833,-.396,"000000",0,0,0
105102,5,15,-.437,"000000",0,0,0
105103,5,13.833,-.507,"000000",0,0,0
105104,5,12.667,-.577,"000000",0,0,0
105105,5,11.5,-.647,"000000",0,0,0
105106,5,10.333,-.717,"000000",0,0,0
105107,5,9.167,-.787,"000000",0,0,0
105108,5,7.667,-.877,"000000",0,0,0
105109,5,6.167,-.967,"000000",0,0,0
105110,5,4.667,-1.057,"000000",0,0,0
105111,5,3.167,-1.147,"000000",0,0,0
105112,5,1.833,-1.227,"000000",0,0,0
105113,5,.875,-1.284,"000000",0,0,0
105114,5,0,-1.053,"000000",0,0,0
105115,5,-.875,-1.284,"000000",0,0,0
105116,5,-1.833,-1.227,"000000",0,0,0
105117,5,-3.167,-1.147,"000000",0,0,0
105118,5,-4.667,-1.057,"000000",0,0,0
105119,5,-6.167,-.967,"000000",0,0,0
105120,5,-7.667,-.877,"000000",0,0,0
105121,5,-9.167,-.787,"000000",0,0,0
105122,5,-10.333,-.717,"000000",0,0,0
105123,5,-11.5,-.647,"000000",0,0,0
105124,5,-12.667,-.577,"000000",0,0,0
105125,5,-13.833,-.507,"000000",0,0,0
105126,5,-15,-.437,"000000",0,0,0
105127,5,-15.833,-.396,"000000",0,0,0
106101,6,15.833,-.396,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

106102,6,15,-.437,"000000",0,0,0
106103,6,13.833,-.507,"000000",0,0,0
106104,6,12.667,-.577,"000000",0,0,0
106105,6,11.5,-.647,"000000",0,0,0
106106,6,10.333,-.717,"000000",0,0,0
106107,6,9.167,-.787,"000000",0,0,0
106108,6,7.667,-.877,"000000",0,0,0
106109,6,6.167,-.967,"000000",0,0,0
106110,6,4.667,-1.057,"000000",0,0,0
106111,6,3.167,-1.147,"000000",0,0,0
106112,6,1.833,-1.227,"000000",0,0,0
106113,6,.875,-1.284,"000000",0,0,0
106114,6,0,-1.053,"000000",0,0,0
106115,6,-.875,-1.284,"000000",0,0,0
106116,6,-1.833,-1.227,"000000",0,0,0
106117,6,-3.167,-1.147,"000000",0,0,0
106118,6,-4.667,-1.057,"000000",0,0,0
106119,6,-6.167,-.967,"000000",0,0,0
106120,6,-7.667,-.877,"000000",0,0,0
106121,6,-9.167,-.787,"000000",0,0,0
106122,6,-10.333,-.717,"000000",0,0,0
106123,6,-11.5,-.647,"000000",0,0,0
106124,6,-12.667,-.577,"000000",0,0,0
106125,6,-13.833,-.507,"000000",0,0,0
106126,6,-15,-.437,"000000",0,0,0
106127,6,-15.833,-.396,"000000",0,0,0
107101,7,15.833,-.396,"000000",0,0,0
107102,7,15,-.437,"000000",0,0,0
107103,7,13.833,-.507,"000000",0,0,0
107104,7,12.667,-.577,"000000",0,0,0
107105,7,11.5,-.647,"000000",0,0,0
107106,7,10.333,-.717,"000000",0,0,0
107107,7,9.167,-.787,"000000",0,0,0
107108,7,7.667,-.877,"000000",0,0,0
107109,7,6.167,-.967,"000000",0,0,0
107110,7,4.667,-1.057,"000000",0,0,0
107111,7,3.167,-1.147,"000000",0,0,0
107112,7,1.833,-1.227,"000000",0,0,0
107113,7,.875,-1.284,"000000",0,0,0
107114,7,0,-1.053,"000000",0,0,0
107115,7,-.875,-1.284,"000000",0,0,0
107116,7,-1.833,-1.227,"000000",0,0,0
107117,7,-3.167,-1.147,"000000",0,0,0
107118,7,-4.667,-1.057,"000000",0,0,0
107119,7,-6.167,-.967,"000000",0,0,0
107120,7,-7.667,-.877,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

107121,7,-9.167,-.787,"000000",0,0,0
107122,7,-10.333,-.717,"000000",0,0,0
107123,7,-11.5,-.647,"000000",0,0,0
107124,7,-12.667,-.577,"000000",0,0,0
107125,7,-13.833,-.507,"000000",0,0,0
107126,7,-15,-.437,"000000",0,0,0
107127,7,-15.833,-.396,"000000",0,0,0
108101,8,15.833,-.396,"000000",0,0,0
108102,8,15,-.437,"000000",0,0,0
108103,8,13.833,-.507,"000000",0,0,0
108104,8,12.667,-.577,"000000",0,0,0
108105,8,11.5,-.647,"000000",0,0,0
108106,8,10.333,-.717,"000000",0,0,0
108107,8,9.167,-.787,"000000",0,0,0
108108,8,7.667,-.877,"000000",0,0,0
108109,8,6.167,-.967,"000000",0,0,0
108110,8,4.667,-1.057,"000000",0,0,0
108111,8,3.167,-1.147,"000000",0,0,0
108112,8,1.833,-1.227,"000000",0,0,0
108113,8,.875,-1.284,"000000",0,0,0
108114,8,0,-1.053,"000000",0,0,0
108115,8,-.875,-1.284,"000000",0,0,0
108116,8,-1.833,-1.227,"000000",0,0,0
108117,8,-3.167,-1.147,"000000",0,0,0
108118,8,-4.667,-1.057,"000000",0,0,0
108119,8,-6.167,-.967,"000000",0,0,0
108120,8,-7.667,-.877,"000000",0,0,0
108121,8,-9.167,-.787,"000000",0,0,0
108122,8,-10.333,-.717,"000000",0,0,0
108123,8,-11.5,-.647,"000000",0,0,0
108124,8,-12.667,-.577,"000000",0,0,0
108125,8,-13.833,-.507,"000000",0,0,0
108126,8,-15,-.437,"000000",0,0,0
108127,8,-15.833,-.396,"000000",0,0,0
109101,9,15.833,-.396,"000000",0,0,0
109102,9,15,-.437,"000000",0,0,0
109103,9,13.833,-.507,"000000",0,0,0
109104,9,12.667,-.577,"000000",0,0,0
109105,9,11.5,-.647,"000000",0,0,0
109106,9,10.333,-.717,"000000",0,0,0
109107,9,9.167,-.787,"000000",0,0,0
109108,9,7.667,-.877,"000000",0,0,0
109109,9,6.167,-.967,"000000",0,0,0
109110,9,4.667,-1.057,"000000",0,0,0
109111,9,3.167,-1.147,"000000",0,0,0
109112,9,1.833,-1.227,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

109113,9,.875,-1.284,"000000",0,0,0
109114,9,0,-1.053,"000000",0,0,0
109115,9,-.875,-1.284,"000000",0,0,0
109116,9,-1.833,-1.227,"000000",0,0,0
109117,9,-3.167,-1.147,"000000",0,0,0
109118,9,-4.667,-1.057,"000000",0,0,0
109119,9,-6.167,-.967,"000000",0,0,0
109120,9,-7.667,-.877,"000000",0,0,0
109121,9,-9.167,-.787,"000000",0,0,0
109122,9,-10.333,-.717,"000000",0,0,0
109123,9,-11.5,-.647,"000000",0,0,0
109124,9,-12.667,-.577,"000000",0,0,0
109125,9,-13.833,-.507,"000000",0,0,0
109126,9,-15,-.437,"000000",0,0,0
109127,9,-15.833,-.396,"000000",0,0,0
110101,10,15.833,-.396,"000000",0,0,0
110102,10,15,-.437,"000000",0,0,0
110103,10,13.833,-.507,"000000",0,0,0
110104,10,12.667,-.577,"000000",0,0,0
110105,10,11.5,-.647,"000000",0,0,0
110106,10,10.333,-.717,"000000",0,0,0
110107,10,9.167,-.787,"000000",0,0,0
110108,10,7.667,-.877,"000000",0,0,0
110109,10,6.167,-.967,"000000",0,0,0
110110,10,4.667,-1.057,"000000",0,0,0
110111,10,3.167,-1.147,"000000",0,0,0
110112,10,1.833,-1.227,"000000",0,0,0
110113,10,.875,-1.284,"000000",0,0,0
110114,10,0,-1.053,"000000",0,0,0
110115,10,-.875,-1.284,"000000",0,0,0
110116,10,-1.833,-1.227,"000000",0,0,0
110117,10,-3.167,-1.147,"000000",0,0,0
110118,10,-4.667,-1.057,"000000",0,0,0
110119,10,-6.167,-.967,"000000",0,0,0
110120,10,-7.667,-.877,"000000",0,0,0
110121,10,-9.167,-.787,"000000",0,0,0
110122,10,-10.333,-.717,"000000",0,0,0
110123,10,-11.5,-.647,"000000",0,0,0
110124,10,-12.667,-.577,"000000",0,0,0
110125,10,-13.833,-.507,"000000",0,0,0
110126,10,-15,-.437,"000000",0,0,0
110127,10,-15.833,-.396,"000000",0,0,0
111101,11,15.833,-.396,"000000",0,0,0
111102,11,15,-.437,"000000",0,0,0
111103,11,13.833,-.507,"000000",0,0,0
111104,11,12.667,-.577,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

111105,11,11.5,-.647,"000000",0,0,0
111106,11,10.333,-.717,"000000",0,0,0
111107,11,9.167,-.787,"000000",0,0,0
111108,11,7.667,-.877,"000000",0,0,0
111109,11,6.167,-.967,"000000",0,0,0
111110,11,4.667,-1.057,"000000",0,0,0
111111,11,3.167,-1.147,"000000",0,0,0
111112,11,1.833,-1.227,"000000",0,0,0
111113,11,.875,-1.284,"000000",0,0,0
111114,11,0,-1.053,"000000",0,0,0
111115,11,-.875,-1.284,"000000",0,0,0
111116,11,-1.833,-1.227,"000000",0,0,0
111117,11,-3.167,-1.147,"000000",0,0,0
111118,11,-4.667,-1.057,"000000",0,0,0
111119,11,-6.167,-.967,"000000",0,0,0
111120,11,-7.667,-.877,"000000",0,0,0
111121,11,-9.167,-.787,"000000",0,0,0
111122,11,-10.333,-.717,"000000",0,0,0
111123,11,-11.5,-.647,"000000",0,0,0
111124,11,-12.667,-.577,"000000",0,0,0
111125,11,-13.833,-.507,"000000",0,0,0
111126,11,-15,-.437,"000000",0,0,0
111127,11,-15.833,-.396,"000000",0,0,0
112101,12,15.833,-.396,"000000",0,0,0
112102,12,15,-.437,"000000",0,0,0
112103,12,13.833,-.507,"000000",0,0,0
112104,12,12.667,-.577,"000000",0,0,0
112105,12,11.5,-.647,"000000",0,0,0
112106,12,10.333,-.717,"000000",0,0,0
112107,12,9.167,-.787,"000000",0,0,0
112108,12,7.667,-.877,"000000",0,0,0
112109,12,6.167,-.967,"000000",0,0,0
112110,12,4.667,-1.057,"000000",0,0,0
112111,12,3.167,-1.147,"000000",0,0,0
112112,12,1.833,-1.227,"000000",0,0,0
112113,12,.875,-1.284,"000000",0,0,0
112114,12,0,-1.053,"000000",0,0,0
112115,12,-.875,-1.284,"000000",0,0,0
112116,12,-1.833,-1.227,"000000",0,0,0
112117,12,-3.167,-1.147,"000000",0,0,0
112118,12,-4.667,-1.057,"000000",0,0,0
112119,12,-6.167,-.967,"000000",0,0,0
112120,12,-7.667,-.877,"000000",0,0,0
112121,12,-9.167,-.787,"000000",0,0,0
112122,12,-10.333,-.717,"000000",0,0,0
112123,12,-11.5,-.647,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

112124,12,-12.667,-.577,"000000",0,0,0
112125,12,-13.833,-.507,"000000",0,0,0
112126,12,-15,-.437,"000000",0,0,0
112127,12,-15.833,-.396,"000000",0,0,0
113101,13,15.833,-.396,"000000",0,0,0
113102,13,15,-.437,"000000",0,0,0
113103,13,13.833,-.507,"000000",0,0,0
113104,13,12.667,-.577,"000000",0,0,0
113105,13,11.5,-.647,"000000",0,0,0
113106,13,10.333,-.717,"000000",0,0,0
113107,13,9.167,-.787,"000000",0,0,0
113108,13,7.667,-.877,"000000",0,0,0
113109,13,6.167,-.967,"000000",0,0,0
113110,13,4.667,-1.057,"000000",0,0,0
113111,13,3.167,-1.147,"000000",0,0,0
113112,13,1.833,-1.227,"000000",0,0,0
113113,13,.875,-1.284,"000000",0,0,0
113114,13,0,-1.053,"000000",0,0,0
113115,13,-.875,-1.284,"000000",0,0,0
113116,13,-1.833,-1.227,"000000",0,0,0
113117,13,-3.167,-1.147,"000000",0,0,0
113118,13,-4.667,-1.057,"000000",0,0,0
113119,13,-6.167,-.967,"000000",0,0,0
113120,13,-7.667,-.877,"000000",0,0,0
113121,13,-9.167,-.787,"000000",0,0,0
113122,13,-10.333,-.717,"000000",0,0,0
113123,13,-11.5,-.647,"000000",0,0,0
113124,13,-12.667,-.577,"000000",0,0,0
113125,13,-13.833,-.507,"000000",0,0,0
113126,13,-15,-.437,"000000",0,0,0
113127,13,-15.833,-.396,"000000",0,0,0
114101,14,15.833,-.396,"000000",0,0,0
114102,14,15,-.437,"000000",0,0,0
114103,14,13.833,-.507,"000000",0,0,0
114104,14,12.667,-.577,"000000",0,0,0
114105,14,11.5,-.647,"000000",0,0,0
114106,14,10.333,-.717,"000000",0,0,0
114107,14,9.167,-.787,"000000",0,0,0
114108,14,7.667,-.877,"000000",0,0,0
114109,14,6.167,-.967,"000000",0,0,0
114110,14,4.667,-1.057,"000000",0,0,0
114111,14,3.167,-1.147,"000000",0,0,0
114112,14,1.833,-1.227,"000000",0,0,0
114113,14,.875,-1.284,"000000",0,0,0
114114,14,0,-1.053,"000000",0,0,0
114115,14,-.875,-1.284,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

114116,14,-1.833,-1.227,"000000",0,0,0
114117,14,-3.167,-1.147,"000000",0,0,0
114118,14,-4.667,-1.057,"000000",0,0,0
114119,14,-6.167,-.967,"000000",0,0,0
114120,14,-7.667,-.877,"000000",0,0,0
114121,14,-9.167,-.787,"000000",0,0,0
114122,14,-10.333,-.717,"000000",0,0,0
114123,14,-11.5,-.647,"000000",0,0,0
114124,14,-12.667,-.577,"000000",0,0,0
114125,14,-13.833,-.507,"000000",0,0,0
114126,14,-15,-.437,"000000",0,0,0
114127,14,-15.833,-.396,"000000",0,0,0
115101,15,15.833,-.396,"000000",0,0,0
115102,15,15,-.437,"000000",0,0,0
115103,15,13.833,-.507,"000000",0,0,0
115104,15,12.667,-.577,"000000",0,0,0
115105,15,11.5,-.647,"000000",0,0,0
115106,15,10.333,-.717,"000000",0,0,0
115107,15,9.167,-.787,"000000",0,0,0
115108,15,7.667,-.877,"000000",0,0,0
115109,15,6.167,-.967,"000000",0,0,0
115110,15,4.667,-1.057,"000000",0,0,0
115111,15,3.167,-1.147,"000000",0,0,0
115112,15,1.833,-1.227,"000000",0,0,0
115113,15,.875,-1.284,"000000",0,0,0
115114,15,0,-1.053,"000000",0,0,0
115115,15,-.875,-1.284,"000000",0,0,0
115116,15,-1.833,-1.227,"000000",0,0,0
115117,15,-3.167,-1.147,"000000",0,0,0
115118,15,-4.667,-1.057,"000000",0,0,0
115119,15,-6.167,-.967,"000000",0,0,0
115120,15,-7.667,-.877,"000000",0,0,0
115121,15,-9.167,-.787,"000000",0,0,0
115122,15,-10.333,-.717,"000000",0,0,0
115123,15,-11.5,-.647,"000000",0,0,0
115124,15,-12.667,-.577,"000000",0,0,0
115125,15,-13.833,-.507,"000000",0,0,0
115126,15,-15,-.437,"000000",0,0,0
115127,15,-15.833,-.396,"000000",0,0,0
116101,16,15.833,-.396,"000000",0,0,0
116102,16,15,-.437,"000000",0,0,0
116103,16,13.833,-.507,"000000",0,0,0
116104,16,12.667,-.577,"000000",0,0,0
116105,16,11.5,-.647,"000000",0,0,0
116106,16,10.333,-.717,"000000",0,0,0
116107,16,9.167,-.787,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

116108,16,7.667,-.877,"000000",0,0,0
116109,16,6.167,-.967,"000000",0,0,0
116110,16,4.667,-1.057,"000000",0,0,0
116111,16,3.167,-1.147,"000000",0,0,0
116112,16,1.833,-1.227,"000000",0,0,0
116113,16,.875,-1.284,"000000",0,0,0
116114,16,0,-1.053,"000000",0,0,0
116115,16,-.875,-1.284,"000000",0,0,0
116116,16,-1.833,-1.227,"000000",0,0,0
116117,16,-3.167,-1.147,"000000",0,0,0
116118,16,-4.667,-1.057,"000000",0,0,0
116119,16,-6.167,-.967,"000000",0,0,0
116120,16,-7.667,-.877,"000000",0,0,0
116121,16,-9.167,-.787,"000000",0,0,0
116122,16,-10.333,-.717,"000000",0,0,0
116123,16,-11.5,-.647,"000000",0,0,0
116124,16,-12.667,-.577,"000000",0,0,0
116125,16,-13.833,-.507,"000000",0,0,0
116126,16,-15,-.437,"000000",0,0,0
116127,16,-15.833,-.396,"000000",0,0,0
117101,17,15.833,-.396,"000000",0,0,0
117102,17,15,-.437,"000000",0,0,0
117103,17,13.833,-.507,"000000",0,0,0
117104,17,12.667,-.577,"000000",0,0,0
117105,17,11.5,-.647,"000000",0,0,0
117106,17,10.333,-.717,"000000",0,0,0
117107,17,9.167,-.787,"000000",0,0,0
117108,17,7.667,-.877,"000000",0,0,0
117109,17,6.167,-.967,"000000",0,0,0
117110,17,4.667,-1.057,"000000",0,0,0
117111,17,3.167,-1.147,"000000",0,0,0
117112,17,1.833,-1.227,"000000",0,0,0
117113,17,.875,-1.284,"000000",0,0,0
117114,17,0,-1.053,"000000",0,0,0
117115,17,-.875,-1.284,"000000",0,0,0
117116,17,-1.833,-1.227,"000000",0,0,0
117117,17,-3.167,-1.147,"000000",0,0,0
117118,17,-4.667,-1.057,"000000",0,0,0
117119,17,-6.167,-.967,"000000",0,0,0
117120,17,-7.667,-.877,"000000",0,0,0
117121,17,-9.167,-.787,"000000",0,0,0
117122,17,-10.333,-.717,"000000",0,0,0
117123,17,-11.5,-.647,"000000",0,0,0
117124,17,-12.667,-.577,"000000",0,0,0
117125,17,-13.833,-.507,"000000",0,0,0
117126,17,-15,-.437,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

117127,17,-15.833,-.396,"000000",0,0,0
118101,18,15.833,-.396,"000000",0,0,0
118102,18,15,-.437,"000000",0,0,0
118103,18,13.833,-.507,"000000",0,0,0
118104,18,12.667,-.577,"000000",0,0,0
118105,18,11.5,-.647,"000000",0,0,0
118106,18,10.333,-.717,"000000",0,0,0
118107,18,9.167,-.787,"000000",0,0,0
118108,18,7.667,-.877,"000000",0,0,0
118109,18,6.167,-.967,"000000",0,0,0
118110,18,4.667,-1.057,"000000",0,0,0
118111,18,3.167,-1.147,"000000",0,0,0
118112,18,1.833,-1.227,"000000",0,0,0
118113,18,.875,-1.284,"000000",0,0,0
118114,18,0,-1.053,"000000",0,0,0
118115,18,-.875,-1.284,"000000",0,0,0
118116,18,-1.833,-1.227,"000000",0,0,0
118117,18,-3.167,-1.147,"000000",0,0,0
118118,18,-4.667,-1.057,"000000",0,0,0
118119,18,-6.167,-.967,"000000",0,0,0
118120,18,-7.667,-.877,"000000",0,0,0
118121,18,-9.167,-.787,"000000",0,0,0
118122,18,-10.333,-.717,"000000",0,0,0
118123,18,-11.5,-.647,"000000",0,0,0
118124,18,-12.667,-.577,"000000",0,0,0
118125,18,-13.833,-.507,"000000",0,0,0
118126,18,-15,-.437,"000000",0,0,0
118127,18,-15.833,-.396,"000000",0,0,0
119101,19,15.833,-.396,"000000",0,0,0
119102,19,15,-.437,"000000",0,0,0
119103,19,13.833,-.507,"000000",0,0,0
119104,19,12.667,-.577,"000000",0,0,0
119105,19,11.5,-.647,"000000",0,0,0
119106,19,10.333,-.717,"000000",0,0,0
119107,19,9.167,-.787,"000000",0,0,0
119108,19,7.667,-.877,"000000",0,0,0
119109,19,6.167,-.967,"000000",0,0,0
119110,19,4.667,-1.057,"000000",0,0,0
119111,19,3.167,-1.147,"000000",0,0,0
119112,19,1.833,-1.227,"000000",0,0,0
119113,19,.875,-1.284,"000000",0,0,0
119114,19,0,-1.053,"000000",0,0,0
119115,19,-.875,-1.284,"000000",0,0,0
119116,19,-1.833,-1.227,"000000",0,0,0
119117,19,-3.167,-1.147,"000000",0,0,0
119118,19,-4.667,-1.057,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

119119,19,-6.167,-.967,"000000",0,0,0
119120,19,-7.667,-.877,"000000",0,0,0
119121,19,-9.167,-.787,"000000",0,0,0
119122,19,-10.333,-.717,"000000",0,0,0
119123,19,-11.5,-.647,"000000",0,0,0
119124,19,-12.667,-.577,"000000",0,0,0
119125,19,-13.833,-.507,"000000",0,0,0
119126,19,-15,-.437,"000000",0,0,0
119127,19,-15.833,-.396,"000000",0,0,0
120101,20,15.833,-.396,"000000",0,0,0
120102,20,15,-.437,"000000",0,0,0
120103,20,13.833,-.507,"000000",0,0,0
120104,20,12.667,-.577,"000000",0,0,0
120105,20,11.5,-.647,"000000",0,0,0
120106,20,10.333,-.717,"000000",0,0,0
120107,20,9.167,-.787,"000000",0,0,0
120108,20,7.667,-.877,"000000",0,0,0
120109,20,6.167,-.967,"000000",0,0,0
120110,20,4.667,-1.057,"000000",0,0,0
120111,20,3.167,-1.147,"000000",0,0,0
120112,20,1.833,-1.227,"000000",0,0,0
120113,20,.875,-1.284,"000000",0,0,0
120114,20,0,-1.053,"000000",0,0,0
120115,20,-.875,-1.284,"000000",0,0,0
120116,20,-1.833,-1.227,"000000",0,0,0
120117,20,-3.167,-1.147,"000000",0,0,0
120118,20,-4.667,-1.057,"000000",0,0,0
120119,20,-6.167,-.967,"000000",0,0,0
120120,20,-7.667,-.877,"000000",0,0,0
120121,20,-9.167,-.787,"000000",0,0,0
120122,20,-10.333,-.717,"000000",0,0,0
120123,20,-11.5,-.647,"000000",0,0,0
120124,20,-12.667,-.577,"000000",0,0,0
120125,20,-13.833,-.507,"000000",0,0,0
120126,20,-15,-.437,"000000",0,0,0
120127,20,-15.833,-.396,"000000",0,0,0
121101,21,15.833,-.396,"000000",0,0,0
121102,21,15,-.437,"000000",0,0,0
121103,21,13.833,-.507,"000000",0,0,0
121104,21,12.667,-.577,"000000",0,0,0
121105,21,11.5,-.647,"000000",0,0,0
121106,21,10.333,-.717,"000000",0,0,0
121107,21,9.167,-.787,"000000",0,0,0
121108,21,7.667,-.877,"000000",0,0,0
121109,21,6.167,-.967,"000000",0,0,0
121110,21,4.667,-1.057,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

121111,21,3.167,-1.147,"000000",0,0,0
121112,21,1.833,-1.227,"000000",0,0,0
121113,21,.875,-1.284,"000000",0,0,0
121114,21,0,-1.053,"000000",0,0,0
121115,21,-.875,-1.284,"000000",0,0,0
121116,21,-1.833,-1.227,"000000",0,0,0
121117,21,-3.167,-1.147,"000000",0,0,0
121118,21,-4.667,-1.057,"000000",0,0,0
121119,21,-6.167,-.967,"000000",0,0,0
121120,21,-7.667,-.877,"000000",0,0,0
121121,21,-9.167,-.787,"000000",0,0,0
121122,21,-10.333,-.717,"000000",0,0,0
121123,21,-11.5,-.647,"000000",0,0,0
121124,21,-12.667,-.577,"000000",0,0,0
121125,21,-13.833,-.507,"000000",0,0,0
121126,21,-15,-.437,"000000",0,0,0
121127,21,-15.833,-.396,"000000",0,0,0
122101,22,15.833,-.396,"000000",0,0,0
122102,22,15,-.437,"000000",0,0,0
122103,22,13.833,-.507,"000000",0,0,0
122104,22,12.667,-.577,"000000",0,0,0
122105,22,11.5,-.647,"000000",0,0,0
122106,22,10.333,-.717,"000000",0,0,0
122107,22,9.167,-.787,"000000",0,0,0
122108,22,7.667,-.877,"000000",0,0,0
122109,22,6.167,-.967,"000000",0,0,0
122110,22,4.667,-1.057,"000000",0,0,0
122111,22,3.167,-1.147,"000000",0,0,0
122112,22,1.833,-1.227,"000000",0,0,0
122113,22,.875,-1.284,"000000",0,0,0
122114,22,0,-1.053,"000000",0,0,0
122115,22,-.875,-1.284,"000000",0,0,0
122116,22,-1.833,-1.227,"000000",0,0,0
122117,22,-3.167,-1.147,"000000",0,0,0
122118,22,-4.667,-1.057,"000000",0,0,0
122119,22,-6.167,-.967,"000000",0,0,0
122120,22,-7.667,-.877,"000000",0,0,0
122121,22,-9.167,-.787,"000000",0,0,0
122122,22,-10.333,-.717,"000000",0,0,0
122123,22,-11.5,-.647,"000000",0,0,0
122124,22,-12.667,-.577,"000000",0,0,0
122125,22,-13.833,-.507,"000000",0,0,0
122126,22,-15,-.437,"000000",0,0,0
122127,22,-15.833,-.396,"000000",0,0,0
123101,23,15.833,-.396,"000000",0,0,0
123102,23,15,-.437,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

123103,23,13.833,-.507,"000000",0,0,0
123104,23,12.667,-.577,"000000",0,0,0
123105,23,11.5,-.647,"000000",0,0,0
123106,23,10.333,-.717,"000000",0,0,0
123107,23,9.167,-.787,"000000",0,0,0
123108,23,7.667,-.877,"000000",0,0,0
123109,23,6.167,-.967,"000000",0,0,0
123110,23,4.667,-1.057,"000000",0,0,0
123111,23,3.167,-1.147,"000000",0,0,0
123112,23,1.833,-1.227,"000000",0,0,0
123113,23,.875,-1.284,"000000",0,0,0
123114,23,0,-1.053,"000000",0,0,0
123115,23,-.875,-1.284,"000000",0,0,0
123116,23,-1.833,-1.227,"000000",0,0,0
123117,23,-3.167,-1.147,"000000",0,0,0
123118,23,-4.667,-1.057,"000000",0,0,0
123119,23,-6.167,-.967,"000000",0,0,0
123120,23,-7.667,-.877,"000000",0,0,0
123121,23,-9.167,-.787,"000000",0,0,0
123122,23,-10.333,-.717,"000000",0,0,0
123123,23,-11.5,-.647,"000000",0,0,0
123124,23,-12.667,-.577,"000000",0,0,0
123125,23,-13.833,-.507,"000000",0,0,0
123126,23,-15,-.437,"000000",0,0,0
123127,23,-15.833,-.396,"000000",0,0,0
124101,24,15.833,-.396,"000000",0,0,0
124102,24,15,-.437,"000000",0,0,0
124103,24,13.833,-.507,"000000",0,0,0
124104,24,12.667,-.577,"000000",0,0,0
124105,24,11.5,-.647,"000000",0,0,0
124106,24,10.333,-.717,"000000",0,0,0
124107,24,9.167,-.787,"000000",0,0,0
124108,24,7.667,-.877,"000000",0,0,0
124109,24,6.167,-.967,"000000",0,0,0
124110,24,4.667,-1.057,"000000",0,0,0
124111,24,3.167,-1.147,"000000",0,0,0
124112,24,1.833,-1.227,"000000",0,0,0
124113,24,.875,-1.284,"000000",0,0,0
124114,24,0,-1.053,"000000",0,0,0
124115,24,-.875,-1.284,"000000",0,0,0
124116,24,-1.833,-1.227,"000000",0,0,0
124117,24,-3.167,-1.147,"000000",0,0,0
124118,24,-4.667,-1.057,"000000",0,0,0
124119,24,-6.167,-.967,"000000",0,0,0
124120,24,-7.667,-.877,"000000",0,0,0
124121,24,-9.167,-.787,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

124122,24,-10.333,-.717,"000000",0,0,0
124123,24,-11.5,-.647,"000000",0,0,0
124124,24,-12.667,-.577,"000000",0,0,0
124125,24,-13.833,-.507,"000000",0,0,0
124126,24,-15,-.437,"000000",0,0,0
124127,24,-15.833,-.396,"000000",0,0,0
125101,25,15.833,-.396,"000000",0,0,0
125102,25,15,-.437,"000000",0,0,0
125103,25,13.833,-.507,"000000",0,0,0
125104,25,12.667,-.577,"000000",0,0,0
125105,25,11.5,-.647,"000000",0,0,0
125106,25,10.333,-.717,"000000",0,0,0
125107,25,9.167,-.787,"000000",0,0,0
125108,25,7.667,-.877,"000000",0,0,0
125109,25,6.167,-.967,"000000",0,0,0
125110,25,4.667,-1.057,"000000",0,0,0
125111,25,3.167,-1.147,"000000",0,0,0
125112,25,1.833,-1.227,"000000",0,0,0
125113,25,.875,-1.284,"000000",0,0,0
125114,25,0,-1.053,"000000",0,0,0
125115,25,-.875,-1.284,"000000",0,0,0
125116,25,-1.833,-1.227,"000000",0,0,0
125117,25,-3.167,-1.147,"000000",0,0,0
125118,25,-4.667,-1.057,"000000",0,0,0
125119,25,-6.167,-.967,"000000",0,0,0
125120,25,-7.667,-.877,"000000",0,0,0
125121,25,-9.167,-.787,"000000",0,0,0
125122,25,-10.333,-.717,"000000",0,0,0
125123,25,-11.5,-.647,"000000",0,0,0
125124,25,-12.667,-.577,"000000",0,0,0
125125,25,-13.833,-.507,"000000",0,0,0
125126,25,-15,-.437,"000000",0,0,0
125127,25,-15.833,-.396,"000000",0,0,0
126101,26,15.833,-.396,"000000",0,0,0
126102,26,15,-.437,"000000",0,0,0
126103,26,13.833,-.507,"000000",0,0,0
126104,26,12.667,-.577,"000000",0,0,0
126105,26,11.5,-.647,"000000",0,0,0
126106,26,10.333,-.717,"000000",0,0,0
126107,26,9.167,-.787,"000000",0,0,0
126108,26,7.667,-.877,"000000",0,0,0
126109,26,6.167,-.967,"000000",0,0,0
126110,26,4.667,-1.057,"000000",0,0,0
126111,26,3.167,-1.147,"000000",0,0,0
126112,26,1.833,-1.227,"000000",0,0,0
126113,26,.875,-1.284,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

126114,26,0,-1.053,"000000",0,0,0
126115,26,-.875,-1.284,"000000",0,0,0
126116,26,-1.833,-1.227,"000000",0,0,0
126117,26,-3.167,-1.147,"000000",0,0,0
126118,26,-4.667,-1.057,"000000",0,0,0
126119,26,-6.167,-.967,"000000",0,0,0
126120,26,-7.667,-.877,"000000",0,0,0
126121,26,-9.167,-.787,"000000",0,0,0
126122,26,-10.333,-.717,"000000",0,0,0
126123,26,-11.5,-.647,"000000",0,0,0
126124,26,-12.667,-.577,"000000",0,0,0
126125,26,-13.833,-.507,"000000",0,0,0
126126,26,-15,-.437,"000000",0,0,0
126127,26,-15.833,-.396,"000000",0,0,0
127101,27,15.833,-.396,"000000",0,0,0
127102,27,15,-.437,"000000",0,0,0
127103,27,13.833,-.507,"000000",0,0,0
127104,27,12.667,-.577,"000000",0,0,0
127105,27,11.5,-.647,"000000",0,0,0
127106,27,10.333,-.717,"000000",0,0,0
127107,27,9.167,-.787,"000000",0,0,0
127108,27,7.667,-.877,"000000",0,0,0
127109,27,6.167,-.967,"000000",0,0,0
127110,27,4.667,-1.057,"000000",0,0,0
127111,27,3.167,-1.147,"000000",0,0,0
127112,27,1.833,-1.227,"000000",0,0,0
127113,27,.875,-1.284,"000000",0,0,0
127114,27,0,-1.053,"000000",0,0,0
127115,27,-.875,-1.284,"000000",0,0,0
127116,27,-1.833,-1.227,"000000",0,0,0
127117,27,-3.167,-1.147,"000000",0,0,0
127118,27,-4.667,-1.057,"000000",0,0,0
127119,27,-6.167,-.967,"000000",0,0,0
127120,27,-7.667,-.877,"000000",0,0,0
127121,27,-9.167,-.787,"000000",0,0,0
127122,27,-10.333,-.717,"000000",0,0,0
127123,27,-11.5,-.647,"000000",0,0,0
127124,27,-12.667,-.577,"000000",0,0,0
127125,27,-13.833,-.507,"000000",0,0,0
127126,27,-15,-.437,"000000",0,0,0
127127,27,-15.833,-.396,"000000",0,0,0
128101,28,15.833,-.396,"000000",0,0,0
128102,28,15,-.437,"000000",0,0,0
128103,28,13.833,-.507,"000000",0,0,0
128104,28,12.667,-.577,"000000",0,0,0
128105,28,11.5,-.647,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

128106,28,10.333,-.717,"000000",0,0,0
128107,28,9.167,-.787,"000000",0,0,0
128108,28,7.667,-.877,"000000",0,0,0
128109,28,6.167,-.967,"000000",0,0,0
128110,28,4.667,-1.057,"000000",0,0,0
128111,28,3.167,-1.147,"000000",0,0,0
128112,28,1.833,-1.227,"000000",0,0,0
128113,28,.875,-1.284,"000000",0,0,0
128114,28,0,-1.053,"000000",0,0,0
128115,28,-.875,-1.284,"000000",0,0,0
128116,28,-1.833,-1.227,"000000",0,0,0
128117,28,-3.167,-1.147,"000000",0,0,0
128118,28,-4.667,-1.057,"000000",0,0,0
128119,28,-6.167,-.967,"000000",0,0,0
128120,28,-7.667,-.877,"000000",0,0,0
128121,28,-9.167,-.787,"000000",0,0,0
128122,28,-10.333,-.717,"000000",0,0,0
128123,28,-11.5,-.647,"000000",0,0,0
128124,28,-12.667,-.577,"000000",0,0,0
128125,28,-13.833,-.507,"000000",0,0,0
128126,28,-15,-.437,"000000",0,0,0
128127,28,-15.833,-.396,"000000",0,0,0
129101,29,15.833,-.396,"000000",0,0,0
129102,29,15,-.437,"000000",0,0,0
129103,29,13.833,-.507,"000000",0,0,0
129104,29,12.667,-.577,"000000",0,0,0
129105,29,11.5,-.647,"000000",0,0,0
129106,29,10.333,-.717,"000000",0,0,0
129107,29,9.167,-.787,"000000",0,0,0
129108,29,7.667,-.877,"000000",0,0,0
129109,29,6.167,-.967,"000000",0,0,0
129110,29,4.667,-1.057,"000000",0,0,0
129111,29,3.167,-1.147,"000000",0,0,0
129112,29,1.833,-1.227,"000000",0,0,0
129113,29,.875,-1.284,"000000",0,0,0
129114,29,0,-1.053,"000000",0,0,0
129115,29,-.875,-1.284,"000000",0,0,0
129116,29,-1.833,-1.227,"000000",0,0,0
129117,29,-3.167,-1.147,"000000",0,0,0
129118,29,-4.667,-1.057,"000000",0,0,0
129119,29,-6.167,-.967,"000000",0,0,0
129120,29,-7.667,-.877,"000000",0,0,0
129121,29,-9.167,-.787,"000000",0,0,0
129122,29,-10.333,-.717,"000000",0,0,0
129123,29,-11.5,-.647,"000000",0,0,0
129124,29,-12.667,-.577,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

129125,29,-13.833,-.507,"000000",0,0,0
129126,29,-15,-.437,"000000",0,0,0
129127,29,-15.833,-.396,"000000",0,0,0
130101,30,15.833,-.396,"000000",0,0,0
130102,30,15,-.437,"000000",0,0,0
130103,30,13.833,-.507,"000000",0,0,0
130104,30,12.667,-.577,"000000",0,0,0
130105,30,11.5,-.647,"000000",0,0,0
130106,30,10.333,-.717,"000000",0,0,0
130107,30,9.167,-.787,"000000",0,0,0
130108,30,7.667,-.877,"000000",0,0,0
130109,30,6.167,-.967,"000000",0,0,0
130110,30,4.667,-1.057,"000000",0,0,0
130111,30,3.167,-1.147,"000000",0,0,0
130112,30,1.833,-1.227,"000000",0,0,0
130113,30,.875,-1.284,"000000",0,0,0
130114,30,0,-1.053,"000000",0,0,0
130115,30,-.875,-1.284,"000000",0,0,0
130116,30,-1.833,-1.227,"000000",0,0,0
130117,30,-3.167,-1.147,"000000",0,0,0
130118,30,-4.667,-1.057,"000000",0,0,0
130119,30,-6.167,-.967,"000000",0,0,0
130120,30,-7.667,-.877,"000000",0,0,0
130121,30,-9.167,-.787,"000000",0,0,0
130122,30,-10.333,-.717,"000000",0,0,0
130123,30,-11.5,-.647,"000000",0,0,0
130124,30,-12.667,-.577,"000000",0,0,0
130125,30,-13.833,-.507,"000000",0,0,0
130126,30,-15,-.437,"000000",0,0,0
130127,30,-15.833,-.396,"000000",0,0,0
131101,31,15.833,-.396,"000000",0,0,0
131102,31,15,-.437,"000000",0,0,0
131103,31,13.833,-.507,"000000",0,0,0
131104,31,12.667,-.577,"000000",0,0,0
131105,31,11.5,-.647,"000000",0,0,0
131106,31,10.333,-.717,"000000",0,0,0
131107,31,9.167,-.787,"000000",0,0,0
131108,31,7.667,-.877,"000000",0,0,0
131109,31,6.167,-.967,"000000",0,0,0
131110,31,4.667,-1.057,"000000",0,0,0
131111,31,3.167,-1.147,"000000",0,0,0
131112,31,1.833,-1.227,"000000",0,0,0
131113,31,.875,-1.284,"000000",0,0,0
131114,31,0,-1.053,"000000",0,0,0
131115,31,-.875,-1.284,"000000",0,0,0
131116,31,-1.833,-1.227,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

131117,31,-3.167,-1.147,"000000",0,0,0
131118,31,-4.667,-1.057,"000000",0,0,0
131119,31,-6.167,-.967,"000000",0,0,0
131120,31,-7.667,-.877,"000000",0,0,0
131121,31,-9.167,-.787,"000000",0,0,0
131122,31,-10.333,-.717,"000000",0,0,0
131123,31,-11.5,-.647,"000000",0,0,0
131124,31,-12.667,-.577,"000000",0,0,0
131125,31,-13.833,-.507,"000000",0,0,0
131126,31,-15,-.437,"000000",0,0,0
131127,31,-15.833,-.396,"000000",0,0,0
132101,32,15.833,-.396,"000000",0,0,0
132102,32,15,-.437,"000000",0,0,0
132103,32,13.833,-.507,"000000",0,0,0
132104,32,12.667,-.577,"000000",0,0,0
132105,32,11.5,-.647,"000000",0,0,0
132106,32,10.333,-.717,"000000",0,0,0
132107,32,9.167,-.787,"000000",0,0,0
132108,32,7.667,-.877,"000000",0,0,0
132109,32,6.167,-.967,"000000",0,0,0
132110,32,4.667,-1.057,"000000",0,0,0
132111,32,3.167,-1.147,"000000",0,0,0
132112,32,1.833,-1.227,"000000",0,0,0
132113,32,.875,-1.284,"000000",0,0,0
132114,32,0,-1.053,"000000",0,0,0
132115,32,-.875,-1.284,"000000",0,0,0
132116,32,-1.833,-1.227,"000000",0,0,0
132117,32,-3.167,-1.147,"000000",0,0,0
132118,32,-4.667,-1.057,"000000",0,0,0
132119,32,-6.167,-.967,"000000",0,0,0
132120,32,-7.667,-.877,"000000",0,0,0
132121,32,-9.167,-.787,"000000",0,0,0
132122,32,-10.333,-.717,"000000",0,0,0
132123,32,-11.5,-.647,"000000",0,0,0
132124,32,-12.667,-.577,"000000",0,0,0
132125,32,-13.833,-.507,"000000",0,0,0
132126,32,-15,-.437,"000000",0,0,0
132127,32,-15.833,-.396,"000000",0,0,0
133101,33,15.833,-.396,"000000",0,0,0
133102,33,15,-.437,"000000",0,0,0
133103,33,13.833,-.507,"000000",0,0,0
133104,33,12.667,-.577,"000000",0,0,0
133105,33,11.5,-.647,"000000",0,0,0
133106,33,10.333,-.717,"000000",0,0,0
133107,33,9.167,-.787,"000000",0,0,0
133108,33,7.667,-.877,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

133109,33,6.167,-.967,"000000",0,0,0
133110,33,4.667,-1.057,"000000",0,0,0
133111,33,3.167,-1.147,"000000",0,0,0
133112,33,1.833,-1.227,"000000",0,0,0
133113,33,.875,-1.284,"000000",0,0,0
133114,33,0,-1.053,"000000",0,0,0
133115,33,-.875,-1.284,"000000",0,0,0
133116,33,-1.833,-1.227,"000000",0,0,0
133117,33,-3.167,-1.147,"000000",0,0,0
133118,33,-4.667,-1.057,"000000",0,0,0
133119,33,-6.167,-.967,"000000",0,0,0
133120,33,-7.667,-.877,"000000",0,0,0
133121,33,-9.167,-.787,"000000",0,0,0
133122,33,-10.333,-.717,"000000",0,0,0
133123,33,-11.5,-.647,"000000",0,0,0
133124,33,-12.667,-.577,"000000",0,0,0
133125,33,-13.833,-.507,"000000",0,0,0
133126,33,-15,-.437,"000000",0,0,0
133127,33,-15.833,-.396,"000000",0,0,0
134101,34,15.833,-.396,"000000",0,0,0
134102,34,15,-.437,"000000",0,0,0
134103,34,13.833,-.507,"000000",0,0,0
134104,34,12.667,-.577,"000000",0,0,0
134105,34,11.5,-.647,"000000",0,0,0
134106,34,10.333,-.717,"000000",0,0,0
134107,34,9.167,-.787,"000000",0,0,0
134108,34,7.667,-.877,"000000",0,0,0
134109,34,6.167,-.967,"000000",0,0,0
134110,34,4.667,-1.057,"000000",0,0,0
134111,34,3.167,-1.147,"000000",0,0,0
134112,34,1.833,-1.227,"000000",0,0,0
134113,34,.875,-1.284,"000000",0,0,0
134114,34,0,-1.053,"000000",0,0,0
134115,34,-.875,-1.284,"000000",0,0,0
134116,34,-1.833,-1.227,"000000",0,0,0
134117,34,-3.167,-1.147,"000000",0,0,0
134118,34,-4.667,-1.057,"000000",0,0,0
134119,34,-6.167,-.967,"000000",0,0,0
134120,34,-7.667,-.877,"000000",0,0,0
134121,34,-9.167,-.787,"000000",0,0,0
134122,34,-10.333,-.717,"000000",0,0,0
134123,34,-11.5,-.647,"000000",0,0,0
134124,34,-12.667,-.577,"000000",0,0,0
134125,34,-13.833,-.507,"000000",0,0,0
134126,34,-15,-.437,"000000",0,0,0
134127,34,-15.833,-.396,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

135101,35,15.833,-.396,"000000",0,0,0
135102,35,15,-.437,"000000",0,0,0
135103,35,13.833,-.507,"000000",0,0,0
135104,35,12.667,-.577,"000000",0,0,0
135105,35,11.5,-.647,"000000",0,0,0
135106,35,10.333,-.717,"000000",0,0,0
135107,35,9.167,-.787,"000000",0,0,0
135108,35,7.667,-.877,"000000",0,0,0
135109,35,6.167,-.967,"000000",0,0,0
135110,35,4.667,-1.057,"000000",0,0,0
135111,35,3.167,-1.147,"000000",0,0,0
135112,35,1.833,-1.227,"000000",0,0,0
135113,35,.875,-1.284,"000000",0,0,0
135114,35,0,-1.053,"000000",0,0,0
135115,35,-.875,-1.284,"000000",0,0,0
135116,35,-1.833,-1.227,"000000",0,0,0
135117,35,-3.167,-1.147,"000000",0,0,0
135118,35,-4.667,-1.057,"000000",0,0,0
135119,35,-6.167,-.967,"000000",0,0,0
135120,35,-7.667,-.877,"000000",0,0,0
135121,35,-9.167,-.787,"000000",0,0,0
135122,35,-10.333,-.717,"000000",0,0,0
135123,35,-11.5,-.647,"000000",0,0,0
135124,35,-12.667,-.577,"000000",0,0,0
135125,35,-13.833,-.507,"000000",0,0,0
135126,35,-15,-.437,"000000",0,0,0
135127,35,-15.833,-.396,"000000",0,0,0
136101,36,15.833,-.396,"000000",0,0,0
136102,36,15,-.437,"000000",0,0,0
136103,36,13.833,-.507,"000000",0,0,0
136104,36,12.667,-.577,"000000",0,0,0
136105,36,11.5,-.647,"000000",0,0,0
136106,36,10.333,-.717,"000000",0,0,0
136107,36,9.167,-.787,"000000",0,0,0
136108,36,7.667,-.877,"000000",0,0,0
136109,36,6.167,-.967,"000000",0,0,0
136110,36,4.667,-1.057,"000000",0,0,0
136111,36,3.167,-1.147,"000000",0,0,0
136112,36,1.833,-1.227,"000000",0,0,0
136113,36,.875,-1.284,"000000",0,0,0
136114,36,0,-1.053,"000000",0,0,0
136115,36,-.875,-1.284,"000000",0,0,0
136116,36,-1.833,-1.227,"000000",0,0,0
136117,36,-3.167,-1.147,"000000",0,0,0
136118,36,-4.667,-1.057,"000000",0,0,0
136119,36,-6.167,-.967,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

136120,36,-7.667,-.877,"000000",0,0,0
136121,36,-9.167,-.787,"000000",0,0,0
136122,36,-10.333,-.717,"000000",0,0,0
136123,36,-11.5,-.647,"000000",0,0,0
136124,36,-12.667,-.577,"000000",0,0,0
136125,36,-13.833,-.507,"000000",0,0,0
136126,36,-15,-.437,"000000",0,0,0
136127,36,-15.833,-.396,"000000",0,0,0
137101,37,15.833,-.396,"000000",0,0,0
137102,37,15,-.437,"000000",0,0,0
137103,37,13.833,-.507,"000000",0,0,0
137104,37,12.667,-.577,"000000",0,0,0
137105,37,11.5,-.647,"000000",0,0,0
137106,37,10.333,-.717,"000000",0,0,0
137107,37,9.167,-.787,"000000",0,0,0
137108,37,7.667,-.877,"000000",0,0,0
137109,37,6.167,-.967,"000000",0,0,0
137110,37,4.667,-1.057,"000000",0,0,0
137111,37,3.167,-1.147,"000000",0,0,0
137112,37,1.833,-1.227,"000000",0,0,0
137113,37,.875,-1.284,"000000",0,0,0
137114,37,0,-1.053,"000000",0,0,0
137115,37,-.875,-1.284,"000000",0,0,0
137116,37,-1.833,-1.227,"000000",0,0,0
137117,37,-3.167,-1.147,"000000",0,0,0
137118,37,-4.667,-1.057,"000000",0,0,0
137119,37,-6.167,-.967,"000000",0,0,0
137120,37,-7.667,-.877,"000000",0,0,0
137121,37,-9.167,-.787,"000000",0,0,0
137122,37,-10.333,-.717,"000000",0,0,0
137123,37,-11.5,-.647,"000000",0,0,0
137124,37,-12.667,-.577,"000000",0,0,0
137125,37,-13.833,-.507,"000000",0,0,0
137126,37,-15,-.437,"000000",0,0,0
137127,37,-15.833,-.396,"000000",0,0,0
138101,38,15.833,-.396,"000000",0,0,0
138102,38,15,-.437,"000000",0,0,0
138103,38,13.833,-.507,"000000",0,0,0
138104,38,12.667,-.577,"000000",0,0,0
138105,38,11.5,-.647,"000000",0,0,0
138106,38,10.333,-.717,"000000",0,0,0
138107,38,9.167,-.787,"000000",0,0,0
138108,38,7.667,-.877,"000000",0,0,0
138109,38,6.167,-.967,"000000",0,0,0
138110,38,4.667,-1.057,"000000",0,0,0
138111,38,3.167,-1.147,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

138112,38,1.833,-1.227,"000000",0,0,0
138113,38,.875,-1.284,"000000",0,0,0
138114,38,0,-1.053,"000000",0,0,0
138115,38,-.875,-1.284,"000000",0,0,0
138116,38,-1.833,-1.227,"000000",0,0,0
138117,38,-3.167,-1.147,"000000",0,0,0
138118,38,-4.667,-1.057,"000000",0,0,0
138119,38,-6.167,-.967,"000000",0,0,0
138120,38,-7.667,-.877,"000000",0,0,0
138121,38,-9.167,-.787,"000000",0,0,0
138122,38,-10.333,-.717,"000000",0,0,0
138123,38,-11.5,-.647,"000000",0,0,0
138124,38,-12.667,-.577,"000000",0,0,0
138125,38,-13.833,-.507,"000000",0,0,0
138126,38,-15,-.437,"000000",0,0,0
138127,38,-15.833,-.396,"000000",0,0,0
139101,39,15.833,-.396,"000000",0,0,0
139102,39,15,-.437,"000000",0,0,0
139103,39,13.833,-.507,"000000",0,0,0
139104,39,12.667,-.577,"000000",0,0,0
139105,39,11.5,-.647,"000000",0,0,0
139106,39,10.333,-.717,"000000",0,0,0
139107,39,9.167,-.787,"000000",0,0,0
139108,39,7.667,-.877,"000000",0,0,0
139109,39,6.167,-.967,"000000",0,0,0
139110,39,4.667,-1.057,"000000",0,0,0
139111,39,3.167,-1.147,"000000",0,0,0
139112,39,1.833,-1.227,"000000",0,0,0
139113,39,.875,-1.284,"000000",0,0,0
139114,39,0,-1.053,"000000",0,0,0
139115,39,-.875,-1.284,"000000",0,0,0
139116,39,-1.833,-1.227,"000000",0,0,0
139117,39,-3.167,-1.147,"000000",0,0,0
139118,39,-4.667,-1.057,"000000",0,0,0
139119,39,-6.167,-.967,"000000",0,0,0
139120,39,-7.667,-.877,"000000",0,0,0
139121,39,-9.167,-.787,"000000",0,0,0
139122,39,-10.333,-.717,"000000",0,0,0
139123,39,-11.5,-.647,"000000",0,0,0
139124,39,-12.667,-.577,"000000",0,0,0
139125,39,-13.833,-.507,"000000",0,0,0
139126,39,-15,-.437,"000000",0,0,0
139127,39,-15.833,-.396,"000000",0,0,0
140101,40,15.833,-.396,"100000",0,0,0
140102,40,15,-.437,"100000",0,0,0
140103,40,13.833,-.507,"100000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

140104,40,12.667,-.577,"100000",0,0,0
140105,40,11.5,-.647,"100000",0,0,0
140106,40,10.333,-.717,"100000",0,0,0
140107,40,9.167,-.787,"100000",0,0,0
140108,40,7.667,-.877,"100000",0,0,0
140109,40,6.167,-.967,"100000",0,0,0
140110,40,4.667,-1.057,"100000",0,0,0
140111,40,3.167,-1.147,"100000",0,0,0
140112,40,1.833,-1.227,"100000",0,0,0
140113,40,.875,-1.284,"100000",0,0,0
140114,40,0,-1.053,"110000",0,0,0
140115,40,-.875,-1.284,"100000",0,0,0
140116,40,-1.833,-1.227,"100000",0,0,0
140117,40,-3.167,-1.147,"100000",0,0,0
140118,40,-4.667,-1.057,"100000",0,0,0
140119,40,-6.167,-.967,"100000",0,0,0
140120,40,-7.667,-.877,"100000",0,0,0
140121,40,-9.167,-.787,"100000",0,0,0
140122,40,-10.333,-.717,"100000",0,0,0
140123,40,-11.5,-.647,"100000",0,0,0
140124,40,-12.667,-.577,"100000",0,0,0
140125,40,-13.833,-.507,"100000",0,0,0
140126,40,-15,-.437,"100000",0,0,0
140127,40,-15.833,-.396,"100000",0,0,0
101206,1,9.947,-1.832,"000000",0,0,0
101207,1,9.167,-1.832,"000000",0,0,0
101208,1,7.667,-1.832,"000000",0,0,0
101209,1,6.167,-1.832,"000000",0,0,0
101210,1,4.667,-1.832,"000000",0,0,0
101211,1,3.167,-1.832,"000000",0,0,0
101212,1,1.833,-1.832,"000000",0,0,0
101213,1,.875,-1.832,"000000",0,0,0
101215,1,-.875,-1.832,"000000",0,0,0
101216,1,-1.833,-1.832,"000000",0,0,0
101217,1,-3.167,-1.832,"000000",0,0,0
101218,1,-4.667,-1.832,"000000",0,0,0
101219,1,-6.167,-1.832,"000000",0,0,0
101220,1,-7.667,-1.832,"000000",0,0,0
101221,1,-9.167,-1.832,"000000",0,0,0
101222,1,-9.947,-1.832,"000000",0,0,0
101306,1,9.777,-2.323,"000000",0,0,0
101307,1,9.167,-2.323,"000000",0,0,0
101308,1,7.667,-2.323,"000000",0,0,0
101309,1,6.167,-2.323,"000000",0,0,0
101310,1,4.667,-2.323,"000000",0,0,0
101311,1,3.167,-2.323,"000000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

101312,1,1.833,-2.323,"000000",0,0,0
101313,1,.875,-2.323,"000000",0,0,0
101315,1,-.875,-2.323,"000000",0,0,0
101316,1,-1.833,-2.323,"000000",0,0,0
101317,1,-3.167,-2.323,"000000",0,0,0
101318,1,-4.667,-2.323,"000000",0,0,0
101319,1,-6.167,-2.323,"000000",0,0,0
101320,1,-7.667,-2.323,"000000",0,0,0
101321,1,-9.167,-2.323,"000000",0,0,0
101322,1,-9.777,-2.323,"000000",0,0,0
101406,1,9.604,-2.823,"000000",0,0,0
101407,1,9.167,-2.823,"000000",0,0,0
101408,1,7.667,-2.823,"000000",0,0,0
101409,1,6.167,-2.823,"000000",0,0,0
101410,1,4.667,-2.823,"000000",0,0,0
101411,1,3.167,-2.823,"000000",0,0,0
101412,1,1.833,-2.823,"000000",0,0,0
101413,1,.875,-2.823,"000000",0,0,0
101414,1,0,-2.823,"000000",0,0,0
101415,1,-.875,-2.823,"000000",0,0,0
101416,1,-1.833,-2.823,"000000",0,0,0
101417,1,-3.167,-2.823,"000000",0,0,0
101418,1,-4.667,-2.823,"000000",0,0,0
101419,1,-6.167,-2.823,"000000",0,0,0
101420,1,-7.667,-2.823,"000000",0,0,0
101421,1,-9.167,-2.823,"000000",0,0,0
101422,1,-9.604,-2.823,"000000",0,0,0
101506,1,9.343,-3.574,"000000",0,0,0
101507,1,9.167,-3.574,"000000",0,0,0
101508,1,7.667,-3.574,"000000",0,0,0
101509,1,6.167,-3.574,"000000",0,0,0
101510,1,4.667,-3.574,"000000",0,0,0
101511,1,3.167,-3.574,"000000",0,0,0
101512,1,1.833,-3.574,"000000",0,0,0
101513,1,.875,-3.574,"000000",0,0,0
101514,1,0,-3.574,"000000",0,0,0
101515,1,-.875,-3.574,"000000",0,0,0
101516,1,-1.833,-3.574,"000000",0,0,0
101517,1,-3.167,-3.574,"000000",0,0,0
101518,1,-4.667,-3.574,"000000",0,0,0
101519,1,-6.167,-3.574,"000000",0,0,0
101520,1,-7.667,-3.574,"000000",0,0,0
101521,1,-9.167,-3.574,"000000",0,0,0
101522,1,-9.343,-3.574,"000000",0,0,0
101607,1,9.083,-4.324,"000000",0,0,0
101608,1,7.667,-4.324,"001000",0,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

```

101609,1,6.167,-4.324,"001000",0,0,0
101610,1,4.667,-4.324,"001000",0,0,0
101611,1,3.167,-4.324,"001000",0,0,0
101612,1,1.833,-4.324,"001000",0,0,0
101613,1,.875,-4.324,"000000",0,0,0
101614,1,0,-4.324,"000000",0,0,0
101615,1,-.875,-4.324,"000000",0,0,0
101616,1,-1.833,-4.324,"001000",0,0,0
101617,1,-3.167,-4.324,"001000",0,0,0
101618,1,-4.667,-4.324,"001000",0,0,0
101619,1,-6.167,-4.324,"001000",0,0,0
101620,1,-7.667,-4.324,"001000",0,0,0
101621,1,-9.083,-4.324,"000000",0,0,0

```

END JOINTS

BEGIN PLATES

FORMAT: NUMBER, MATERIAL, THICKNESS, JOINTS(I,J,K,L), TYPE

1112 Records

```

100102,3,4,1,100102,101102,101101,100101,.833,0,-1,0
100103,3,4,1,100103,101103,101102,100102,.921,0,-1,0
100104,3,4,1,100104,101104,101103,100103,1.015,0,-1,0
100105,3,4,1,100105,101105,101104,100104,1.108,0,-1,0
100106,3,4,1,100106,101106,101105,100105,1.201,0,-1,0
100107,3,4,1,100107,101107,101106,100106,1.294,0,-1,0
100108,3,4,1,100108,101108,101107,100107,1.401,0,-1,0
100109,3,4,1,100109,101109,101108,100108,1.52,0,-1,0
100110,3,4,1,100110,101110,101109,100109,1.64,0,-1,0
100111,3,4,1,100111,101111,101110,100110,1.76,0,-1,0
100112,3,4,1,100112,101112,101111,100111,1.873,0,-1,0
100113,3,4,1,100113,101113,101112,100112,1.965,0,-1,0
100116,3,4,1,100116,101116,101115,100115,1.965,0,-1,0
100117,3,4,1,100117,101117,101116,100116,1.873,0,-1,0
100118,3,4,1,100118,101118,101117,100117,1.76,0,-1,0
100119,3,4,1,100119,101119,101118,100118,1.64,0,-1,0
100120,3,4,1,100120,101120,101119,100119,1.52,0,-1,0
100121,3,4,1,100121,101121,101120,100120,1.401,0,-1,0
100122,3,4,1,100122,101122,101121,100121,1.294,0,-1,0
100123,3,4,1,100123,101123,101122,100122,1.201,0,-1,0
100124,3,4,1,100124,101124,101123,100123,1.108,0,-1,0
100125,3,4,1,100125,101125,101124,100124,1.015,0,-1,0
100126,3,4,1,100126,101126,101125,100125,.921,0,-1,0
100127,3,4,1,100127,101127,101126,100126,.833,0,-1,0
101102,3,4,1,101102,102102,102101,101101,.833,0,-1,0
101103,3,4,1,101103,102103,102102,101102,.921,0,-1,0
101104,3,4,1,101104,102104,102103,101103,1.015,0,-1,0
101105,3,4,1,101105,102105,102104,101104,1.108,0,-1,0

```

07_deck_dia_plates_new_alp.lar

9/6/2018

101106,3,4,1,101106,102106,102105,101105,1.201,0,-1,0
101107,3,4,1,101107,102107,102106,101106,1.294,0,-1,0
101108,3,4,1,101108,102108,102107,101107,1.401,0,-1,0
101109,3,4,1,101109,102109,102108,101108,1.52,0,-1,0
101110,3,4,1,101110,102110,102109,101109,1.64,0,-1,0
101111,3,4,1,101111,102111,102110,101110,1.76,0,-1,0
101112,3,4,1,101112,102112,102111,101111,1.873,0,-1,0
101113,3,4,1,101113,102113,102112,101112,1.965,0,-1,0
101114,3,4,1,101114,102114,102113,101113,1.798,0,-1,0
101115,3,4,1,101115,102115,102114,101114,1.798,0,-1,0
101116,3,4,1,101116,102116,102115,101115,1.965,0,-1,0
101117,3,4,1,101117,102117,102116,101116,1.873,0,-1,0
101118,3,4,1,101118,102118,102117,101117,1.76,0,-1,0
101119,3,4,1,101119,102119,102118,101118,1.64,0,-1,0
101120,3,4,1,101120,102120,102119,101119,1.52,0,-1,0
101121,3,4,1,101121,102121,102120,101120,1.401,0,-1,0
101122,3,4,1,101122,102122,102121,101121,1.294,0,-1,0
101123,3,4,1,101123,102123,102122,101122,1.201,0,-1,0
101124,3,4,1,101124,102124,102123,101123,1.108,0,-1,0
101125,3,4,1,101125,102125,102124,101124,1.015,0,-1,0
101126,3,4,1,101126,102126,102125,101125,.921,0,-1,0
101127,3,4,1,101127,102127,102126,101126,.833,0,-1,0
102102,3,4,1,102102,103102,103101,102101,.833,0,-1,0
102103,3,4,1,102103,103103,103102,102102,.921,0,-1,0
102104,3,4,1,102104,103104,103103,102103,1.015,0,-1,0
102105,3,4,1,102105,103105,103104,102104,1.108,0,-1,0
102106,3,4,1,102106,103106,103105,102105,1.201,0,-1,0
102107,3,4,1,102107,103107,103106,102106,1.294,0,-1,0
102108,3,4,1,102108,103108,103107,102107,1.401,0,-1,0
102109,3,4,1,102109,103109,103108,102108,1.52,0,-1,0
102110,3,4,1,102110,103110,103109,102109,1.64,0,-1,0
102111,3,4,1,102111,103111,103110,102110,1.76,0,-1,0
102112,3,4,1,102112,103112,103111,102111,1.873,0,-1,0
102113,3,4,1,102113,103113,103112,102112,1.965,0,-1,0
102114,3,4,1,102114,103114,103113,102113,1.798,0,-1,0
102115,3,4,1,102115,103115,103114,102114,1.798,0,-1,0
102116,3,4,1,102116,103116,103115,102115,1.965,0,-1,0
102117,3,4,1,102117,103117,103116,102116,1.873,0,-1,0
102118,3,4,1,102118,103118,103117,102117,1.76,0,-1,0
102119,3,4,1,102119,103119,103118,102118,1.64,0,-1,0
102120,3,4,1,102120,103120,103119,102119,1.52,0,-1,0
102121,3,4,1,102121,103121,103120,102120,1.401,0,-1,0
102122,3,4,1,102122,103122,103121,102121,1.294,0,-1,0
102123,3,4,1,102123,103123,103122,102122,1.201,0,-1,0
102124,3,4,1,102124,103124,103123,102123,1.108,0,-1,0
102125,3,4,1,102125,103125,103124,102124,1.015,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

102126,3,4,1,102126,103126,103125,102125,.921,0,-1,0
102127,3,4,1,102127,103127,103126,102126,.833,0,-1,0
103102,3,4,1,103102,104102,104101,103101,.833,0,-1,0
103103,3,4,1,103103,104103,104102,103102,.921,0,-1,0
103104,3,4,1,103104,104104,104103,103103,1.015,0,-1,0
103105,3,4,1,103105,104105,104104,103104,1.108,0,-1,0
103106,3,4,1,103106,104106,104105,103105,1.201,0,-1,0
103107,3,4,1,103107,104107,104106,103106,1.294,0,-1,0
103108,3,4,1,103108,104108,104107,103107,1.401,0,-1,0
103109,3,4,1,103109,104109,104108,103108,1.52,0,-1,0
103110,3,4,1,103110,104110,104109,103109,1.64,0,-1,0
103111,3,4,1,103111,104111,104110,103110,1.76,0,-1,0
103112,3,4,1,103112,104112,104111,103111,1.873,0,-1,0
103113,3,4,1,103113,104113,104112,103112,1.965,0,-1,0
103114,3,4,1,103114,104114,104113,103113,1.798,0,-1,0
103115,3,4,1,103115,104115,104114,103114,1.798,0,-1,0
103116,3,4,1,103116,104116,104115,103115,1.965,0,-1,0
103117,3,4,1,103117,104117,104116,103116,1.873,0,-1,0
103118,3,4,1,103118,104118,104117,103117,1.76,0,-1,0
103119,3,4,1,103119,104119,104118,103118,1.64,0,-1,0
103120,3,4,1,103120,104120,104119,103119,1.52,0,-1,0
103121,3,4,1,103121,104121,104120,103120,1.401,0,-1,0
103122,3,4,1,103122,104122,104121,103121,1.294,0,-1,0
103123,3,4,1,103123,104123,104122,103122,1.201,0,-1,0
103124,3,4,1,103124,104124,104123,103123,1.108,0,-1,0
103125,3,4,1,103125,104125,104124,103124,1.015,0,-1,0
103126,3,4,1,103126,104126,104125,103125,.921,0,-1,0
103127,3,4,1,103127,104127,104126,103126,.833,0,-1,0
104102,3,4,1,104102,105102,105101,104101,.833,0,-1,0
104103,3,4,1,104103,105103,105102,104102,.921,0,-1,0
104104,3,4,1,104104,105104,105103,104103,1.015,0,-1,0
104105,3,4,1,104105,105105,105104,104104,1.108,0,-1,0
104106,3,4,1,104106,105106,105105,104105,1.201,0,-1,0
104107,3,4,1,104107,105107,105106,104106,1.294,0,-1,0
104108,3,4,1,104108,105108,105107,104107,1.401,0,-1,0
104109,3,4,1,104109,105109,105108,104108,1.52,0,-1,0
104110,3,4,1,104110,105110,105109,104109,1.64,0,-1,0
104111,3,4,1,104111,105111,105110,104110,1.76,0,-1,0
104112,3,4,1,104112,105112,105111,104111,1.873,0,-1,0
104113,3,4,1,104113,105113,105112,104112,1.965,0,-1,0
104114,3,4,1,104114,105114,105113,104113,1.798,0,-1,0
104115,3,4,1,104115,105115,105114,104114,1.798,0,-1,0
104116,3,4,1,104116,105116,105115,104115,1.965,0,-1,0
104117,3,4,1,104117,105117,105116,104116,1.873,0,-1,0
104118,3,4,1,104118,105118,105117,104117,1.76,0,-1,0
104119,3,4,1,104119,105119,105118,104118,1.64,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

104120,3,4,1,104120,105120,105119,104119,1.52,0,-1,0
104121,3,4,1,104121,105121,105120,104120,1.401,0,-1,0
104122,3,4,1,104122,105122,105121,104121,1.294,0,-1,0
104123,3,4,1,104123,105123,105122,104122,1.201,0,-1,0
104124,3,4,1,104124,105124,105123,104123,1.108,0,-1,0
104125,3,4,1,104125,105125,105124,104124,1.015,0,-1,0
104126,3,4,1,104126,105126,105125,104125,.921,0,-1,0
104127,3,4,1,104127,105127,105126,104126,.833,0,-1,0
105102,3,4,1,105102,106102,106101,105101,.833,0,-1,0
105103,3,4,1,105103,106103,106102,105102,.921,0,-1,0
105104,3,4,1,105104,106104,106103,105103,1.015,0,-1,0
105105,3,4,1,105105,106105,106104,105104,1.108,0,-1,0
105106,3,4,1,105106,106106,106105,105105,1.201,0,-1,0
105107,3,4,1,105107,106107,106106,105106,1.294,0,-1,0
105108,3,4,1,105108,106108,106107,105107,1.401,0,-1,0
105109,3,4,1,105109,106109,106108,105108,1.52,0,-1,0
105110,3,4,1,105110,106110,106109,105109,1.64,0,-1,0
105111,3,4,1,105111,106111,106110,105110,1.76,0,-1,0
105112,3,4,1,105112,106112,106111,105111,1.873,0,-1,0
105113,3,4,1,105113,106113,106112,105112,1.965,0,-1,0
105114,3,4,1,105114,106114,106113,105113,1.798,0,-1,0
105115,3,4,1,105115,106115,106114,105114,1.798,0,-1,0
105116,3,4,1,105116,106116,106115,105115,1.965,0,-1,0
105117,3,4,1,105117,106117,106116,105116,1.873,0,-1,0
105118,3,4,1,105118,106118,106117,105117,1.76,0,-1,0
105119,3,4,1,105119,106119,106118,105118,1.64,0,-1,0
105120,3,4,1,105120,106120,106119,105119,1.52,0,-1,0
105121,3,4,1,105121,106121,106120,105120,1.401,0,-1,0
105122,3,4,1,105122,106122,106121,105121,1.294,0,-1,0
105123,3,4,1,105123,106123,106122,105122,1.201,0,-1,0
105124,3,4,1,105124,106124,106123,105123,1.108,0,-1,0
105125,3,4,1,105125,106125,106124,105124,1.015,0,-1,0
105126,3,4,1,105126,106126,106125,105125,.921,0,-1,0
105127,3,4,1,105127,106127,106126,105126,.833,0,-1,0
106102,3,4,1,106102,107102,107101,106101,.833,0,-1,0
106103,3,4,1,106103,107103,107102,106102,.921,0,-1,0
106104,3,4,1,106104,107104,107103,106103,1.015,0,-1,0
106105,3,4,1,106105,107105,107104,106104,1.108,0,-1,0
106106,3,4,1,106106,107106,107105,106105,1.201,0,-1,0
106107,3,4,1,106107,107107,107106,106106,1.294,0,-1,0
106108,3,4,1,106108,107108,107107,106107,1.401,0,-1,0
106109,3,4,1,106109,107109,107108,106108,1.52,0,-1,0
106110,3,4,1,106110,107110,107109,106109,1.64,0,-1,0
106111,3,4,1,106111,107111,107110,106110,1.76,0,-1,0
106112,3,4,1,106112,107112,107111,106111,1.873,0,-1,0
106113,3,4,1,106113,107113,107112,106112,1.965,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

106114,3,4,1,106114,107114,107113,106113,1.798,0,-1,0
106115,3,4,1,106115,107115,107114,106114,1.798,0,-1,0
106116,3,4,1,106116,107116,107115,106115,1.965,0,-1,0
106117,3,4,1,106117,107117,107116,106116,1.873,0,-1,0
106118,3,4,1,106118,107118,107117,106117,1.76,0,-1,0
106119,3,4,1,106119,107119,107118,106118,1.64,0,-1,0
106120,3,4,1,106120,107120,107119,106119,1.52,0,-1,0
106121,3,4,1,106121,107121,107120,106120,1.401,0,-1,0
106122,3,4,1,106122,107122,107121,106121,1.294,0,-1,0
106123,3,4,1,106123,107123,107122,106122,1.201,0,-1,0
106124,3,4,1,106124,107124,107123,106123,1.108,0,-1,0
106125,3,4,1,106125,107125,107124,106124,1.015,0,-1,0
106126,3,4,1,106126,107126,107125,106125,.921,0,-1,0
106127,3,4,1,106127,107127,107126,106126,.833,0,-1,0
107102,3,4,1,107102,108102,108101,107101,.833,0,-1,0
107103,3,4,1,107103,108103,108102,107102,.921,0,-1,0
107104,3,4,1,107104,108104,108103,107103,1.015,0,-1,0
107105,3,4,1,107105,108105,108104,107104,1.108,0,-1,0
107106,3,4,1,107106,108106,108105,107105,1.201,0,-1,0
107107,3,4,1,107107,108107,108106,107106,1.294,0,-1,0
107108,3,4,1,107108,108108,108107,107107,1.401,0,-1,0
107109,3,4,1,107109,108109,108108,107108,1.52,0,-1,0
107110,3,4,1,107110,108110,108109,107109,1.64,0,-1,0
107111,3,4,1,107111,108111,108110,107110,1.76,0,-1,0
107112,3,4,1,107112,108112,108111,107111,1.873,0,-1,0
107113,3,4,1,107113,108113,108112,107112,1.965,0,-1,0
107114,3,4,1,107114,108114,108113,107113,1.798,0,-1,0
107115,3,4,1,107115,108115,108114,107114,1.798,0,-1,0
107116,3,4,1,107116,108116,108115,107115,1.965,0,-1,0
107117,3,4,1,107117,108117,108116,107116,1.873,0,-1,0
107118,3,4,1,107118,108118,108117,107117,1.76,0,-1,0
107119,3,4,1,107119,108119,108118,107118,1.64,0,-1,0
107120,3,4,1,107120,108120,108119,107119,1.52,0,-1,0
107121,3,4,1,107121,108121,108120,107120,1.401,0,-1,0
107122,3,4,1,107122,108122,108121,107121,1.294,0,-1,0
107123,3,4,1,107123,108123,108122,107122,1.201,0,-1,0
107124,3,4,1,107124,108124,108123,107123,1.108,0,-1,0
107125,3,4,1,107125,108125,108124,107124,1.015,0,-1,0
107126,3,4,1,107126,108126,108125,107125,.921,0,-1,0
107127,3,4,1,107127,108127,108126,107126,.833,0,-1,0
108102,3,4,1,108102,109102,109101,108101,.833,0,-1,0
108103,3,4,1,108103,109103,109102,108102,.921,0,-1,0
108104,3,4,1,108104,109104,109103,108103,1.015,0,-1,0
108105,3,4,1,108105,109105,109104,108104,1.108,0,-1,0
108106,3,4,1,108106,109106,109105,108105,1.201,0,-1,0
108107,3,4,1,108107,109107,109106,108106,1.294,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

108108,3,4,1,108108,109108,109107,108107,1.401,0,-1,0
108109,3,4,1,108109,109109,109108,108108,1.52,0,-1,0
108110,3,4,1,108110,109110,109109,108109,1.64,0,-1,0
108111,3,4,1,108111,109111,109110,108110,1.76,0,-1,0
108112,3,4,1,108112,109112,109111,108111,1.873,0,-1,0
108113,3,4,1,108113,109113,109112,108112,1.965,0,-1,0
108114,3,4,1,108114,109114,109113,108113,1.798,0,-1,0
108115,3,4,1,108115,109115,109114,108114,1.798,0,-1,0
108116,3,4,1,108116,109116,109115,108115,1.965,0,-1,0
108117,3,4,1,108117,109117,109116,108116,1.873,0,-1,0
108118,3,4,1,108118,109118,109117,108117,1.76,0,-1,0
108119,3,4,1,108119,109119,109118,108118,1.64,0,-1,0
108120,3,4,1,108120,109120,109119,108119,1.52,0,-1,0
108121,3,4,1,108121,109121,109120,108120,1.401,0,-1,0
108122,3,4,1,108122,109122,109121,108121,1.294,0,-1,0
108123,3,4,1,108123,109123,109122,108122,1.201,0,-1,0
108124,3,4,1,108124,109124,109123,108123,1.108,0,-1,0
108125,3,4,1,108125,109125,109124,108124,1.015,0,-1,0
108126,3,4,1,108126,109126,109125,108125,.921,0,-1,0
108127,3,4,1,108127,109127,109126,108126,.833,0,-1,0
109102,3,4,1,109102,110102,110101,109101,.833,0,-1,0
109103,3,4,1,109103,110103,110102,109102,.921,0,-1,0
109104,3,4,1,109104,110104,110103,109103,1.015,0,-1,0
109105,3,4,1,109105,110105,110104,109104,1.108,0,-1,0
109106,3,4,1,109106,110106,110105,109105,1.201,0,-1,0
109107,3,4,1,109107,110107,110106,109106,1.294,0,-1,0
109108,3,4,1,109108,110108,110107,109107,1.401,0,-1,0
109109,3,4,1,109109,110109,110108,109108,1.52,0,-1,0
109110,3,4,1,109110,110110,110109,109109,1.64,0,-1,0
109111,3,4,1,109111,110111,110110,109110,1.76,0,-1,0
109112,3,4,1,109112,110112,110111,109111,1.873,0,-1,0
109113,3,4,1,109113,110113,110112,109112,1.965,0,-1,0
109114,3,4,1,109114,110114,110113,109113,1.798,0,-1,0
109115,3,4,1,109115,110115,110114,109114,1.798,0,-1,0
109116,3,4,1,109116,110116,110115,109115,1.965,0,-1,0
109117,3,4,1,109117,110117,110116,109116,1.873,0,-1,0
109118,3,4,1,109118,110118,110117,109117,1.76,0,-1,0
109119,3,4,1,109119,110119,110118,109118,1.64,0,-1,0
109120,3,4,1,109120,110120,110119,109119,1.52,0,-1,0
109121,3,4,1,109121,110121,110120,109120,1.401,0,-1,0
109122,3,4,1,109122,110122,110121,109121,1.294,0,-1,0
109123,3,4,1,109123,110123,110122,109122,1.201,0,-1,0
109124,3,4,1,109124,110124,110123,109123,1.108,0,-1,0
109125,3,4,1,109125,110125,110124,109124,1.015,0,-1,0
109126,3,4,1,109126,110126,110125,109125,.921,0,-1,0
109127,3,4,1,109127,110127,110126,109126,.833,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

110102,3,4,1,110102,111102,111101,110101,.833,0,-1,0
110103,3,4,1,110103,111103,111102,110102,.921,0,-1,0
110104,3,4,1,110104,111104,111103,110103,1.015,0,-1,0
110105,3,4,1,110105,111105,111104,110104,1.108,0,-1,0
110106,3,4,1,110106,111106,111105,110105,1.201,0,-1,0
110107,3,4,1,110107,111107,111106,110106,1.294,0,-1,0
110108,3,4,1,110108,111108,111107,110107,1.401,0,-1,0
110109,3,4,1,110109,111109,111108,110108,1.52,0,-1,0
110110,3,4,1,110110,111110,111109,110109,1.64,0,-1,0
110111,3,4,1,110111,111111,111110,110110,1.76,0,-1,0
110112,3,4,1,110112,111112,111111,110111,1.873,0,-1,0
110113,3,4,1,110113,111113,111112,110112,1.965,0,-1,0
110114,3,4,1,110114,111114,111113,110113,1.798,0,-1,0
110115,3,4,1,110115,111115,111114,110114,1.798,0,-1,0
110116,3,4,1,110116,111116,111115,110115,1.965,0,-1,0
110117,3,4,1,110117,111117,111116,110116,1.873,0,-1,0
110118,3,4,1,110118,111118,111117,110117,1.76,0,-1,0
110119,3,4,1,110119,111119,111118,110118,1.64,0,-1,0
110120,3,4,1,110120,111120,111119,110119,1.52,0,-1,0
110121,3,4,1,110121,111121,111120,110120,1.401,0,-1,0
110122,3,4,1,110122,111122,111121,110121,1.294,0,-1,0
110123,3,4,1,110123,111123,111122,110122,1.201,0,-1,0
110124,3,4,1,110124,111124,111123,110123,1.108,0,-1,0
110125,3,4,1,110125,111125,111124,110124,1.015,0,-1,0
110126,3,4,1,110126,111126,111125,110125,.921,0,-1,0
110127,3,4,1,110127,111127,111126,110126,.833,0,-1,0
111102,3,4,1,111102,112102,112101,111101,.833,0,-1,0
111103,3,4,1,111103,112103,112102,111102,.921,0,-1,0
111104,3,4,1,111104,112104,112103,111103,1.015,0,-1,0
111105,3,4,1,111105,112105,112104,111104,1.108,0,-1,0
111106,3,4,1,111106,112106,112105,111105,1.201,0,-1,0
111107,3,4,1,111107,112107,112106,111106,1.294,0,-1,0
111108,3,4,1,111108,112108,112107,111107,1.401,0,-1,0
111109,3,4,1,111109,112109,112108,111108,1.52,0,-1,0
111110,3,4,1,111110,112110,112109,111109,1.64,0,-1,0
111111,3,4,1,111111,112111,112110,111110,1.76,0,-1,0
111112,3,4,1,111112,112112,112111,111111,1.873,0,-1,0
111113,3,4,1,111113,112113,112112,111112,1.965,0,-1,0
111114,3,4,1,111114,112114,112113,111113,1.798,0,-1,0
111115,3,4,1,111115,112115,112114,111114,1.798,0,-1,0
111116,3,4,1,111116,112116,112115,111115,1.965,0,-1,0
111117,3,4,1,111117,112117,112116,111116,1.873,0,-1,0
111118,3,4,1,111118,112118,112117,111117,1.76,0,-1,0
111119,3,4,1,111119,112119,112118,111118,1.64,0,-1,0
111120,3,4,1,111120,112120,112119,111119,1.52,0,-1,0
111121,3,4,1,111121,112121,112120,111120,1.401,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

111122,3,4,1,111122,112122,112121,111121,1.294,0,-1,0
111123,3,4,1,111123,112123,112122,111122,1.201,0,-1,0
111124,3,4,1,111124,112124,112123,111123,1.108,0,-1,0
111125,3,4,1,111125,112125,112124,111124,1.015,0,-1,0
111126,3,4,1,111126,112126,112125,111125,.921,0,-1,0
111127,3,4,1,111127,112127,112126,111126,.833,0,-1,0
112102,3,4,1,112102,113102,113101,112101,.833,0,-1,0
112103,3,4,1,112103,113103,113102,112102,.921,0,-1,0
112104,3,4,1,112104,113104,113103,112103,1.015,0,-1,0
112105,3,4,1,112105,113105,113104,112104,1.108,0,-1,0
112106,3,4,1,112106,113106,113105,112105,1.201,0,-1,0
112107,3,4,1,112107,113107,113106,112106,1.294,0,-1,0
112108,3,4,1,112108,113108,113107,112107,1.401,0,-1,0
112109,3,4,1,112109,113109,113108,112108,1.52,0,-1,0
112110,3,4,1,112110,113110,113109,112109,1.64,0,-1,0
112111,3,4,1,112111,113111,113110,112110,1.76,0,-1,0
112112,3,4,1,112112,113112,113111,112111,1.873,0,-1,0
112113,3,4,1,112113,113113,113112,112112,1.965,0,-1,0
112114,3,4,1,112114,113114,113113,112113,1.798,0,-1,0
112115,3,4,1,112115,113115,113114,112114,1.798,0,-1,0
112116,3,4,1,112116,113116,113115,112115,1.965,0,-1,0
112117,3,4,1,112117,113117,113116,112116,1.873,0,-1,0
112118,3,4,1,112118,113118,113117,112117,1.76,0,-1,0
112119,3,4,1,112119,113119,113118,112118,1.64,0,-1,0
112120,3,4,1,112120,113120,113119,112119,1.52,0,-1,0
112121,3,4,1,112121,113121,113120,112120,1.401,0,-1,0
112122,3,4,1,112122,113122,113121,112121,1.294,0,-1,0
112123,3,4,1,112123,113123,113122,112122,1.201,0,-1,0
112124,3,4,1,112124,113124,113123,112123,1.108,0,-1,0
112125,3,4,1,112125,113125,113124,112124,1.015,0,-1,0
112126,3,4,1,112126,113126,113125,112125,.921,0,-1,0
112127,3,4,1,112127,113127,113126,112126,.833,0,-1,0
113102,3,4,1,113102,114102,114101,113101,.833,0,-1,0
113103,3,4,1,113103,114103,114102,113102,.921,0,-1,0
113104,3,4,1,113104,114104,114103,113103,1.015,0,-1,0
113105,3,4,1,113105,114105,114104,113104,1.108,0,-1,0
113106,3,4,1,113106,114106,114105,113105,1.201,0,-1,0
113107,3,4,1,113107,114107,114106,113106,1.294,0,-1,0
113108,3,4,1,113108,114108,114107,113107,1.401,0,-1,0
113109,3,4,1,113109,114109,114108,113108,1.52,0,-1,0
113110,3,4,1,113110,114110,114109,113109,1.64,0,-1,0
113111,3,4,1,113111,114111,114110,113110,1.76,0,-1,0
113112,3,4,1,113112,114112,114111,113111,1.873,0,-1,0
113113,3,4,1,113113,114113,114112,113112,1.965,0,-1,0
113114,3,4,1,113114,114114,114113,113113,1.798,0,-1,0
113115,3,4,1,113115,114115,114114,113114,1.798,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

113116,3,4,1,113116,114116,114115,113115,1.965,0,-1,0
113117,3,4,1,113117,114117,114116,113116,1.873,0,-1,0
113118,3,4,1,113118,114118,114117,113117,1.76,0,-1,0
113119,3,4,1,113119,114119,114118,113118,1.64,0,-1,0
113120,3,4,1,113120,114120,114119,113119,1.52,0,-1,0
113121,3,4,1,113121,114121,114120,113120,1.401,0,-1,0
113122,3,4,1,113122,114122,114121,113121,1.294,0,-1,0
113123,3,4,1,113123,114123,114122,113122,1.201,0,-1,0
113124,3,4,1,113124,114124,114123,113123,1.108,0,-1,0
113125,3,4,1,113125,114125,114124,113124,1.015,0,-1,0
113126,3,4,1,113126,114126,114125,113125,.921,0,-1,0
113127,3,4,1,113127,114127,114126,113126,.833,0,-1,0
114102,3,4,1,114102,115102,115101,114101,.833,0,-1,0
114103,3,4,1,114103,115103,115102,114102,.921,0,-1,0
114104,3,4,1,114104,115104,115103,114103,1.015,0,-1,0
114105,3,4,1,114105,115105,115104,114104,1.108,0,-1,0
114106,3,4,1,114106,115106,115105,114105,1.201,0,-1,0
114107,3,4,1,114107,115107,115106,114106,1.294,0,-1,0
114108,3,4,1,114108,115108,115107,114107,1.401,0,-1,0
114109,3,4,1,114109,115109,115108,114108,1.52,0,-1,0
114110,3,4,1,114110,115110,115109,114109,1.64,0,-1,0
114111,3,4,1,114111,115111,115110,114110,1.76,0,-1,0
114112,3,4,1,114112,115112,115111,114111,1.873,0,-1,0
114113,3,4,1,114113,115113,115112,114112,1.965,0,-1,0
114114,3,4,1,114114,115114,115113,114113,1.798,0,-1,0
114115,3,4,1,114115,115115,115114,114114,1.798,0,-1,0
114116,3,4,1,114116,115116,115115,114115,1.965,0,-1,0
114117,3,4,1,114117,115117,115116,114116,1.873,0,-1,0
114118,3,4,1,114118,115118,115117,114117,1.76,0,-1,0
114119,3,4,1,114119,115119,115118,114118,1.64,0,-1,0
114120,3,4,1,114120,115120,115119,114119,1.52,0,-1,0
114121,3,4,1,114121,115121,115120,114120,1.401,0,-1,0
114122,3,4,1,114122,115122,115121,114121,1.294,0,-1,0
114123,3,4,1,114123,115123,115122,114122,1.201,0,-1,0
114124,3,4,1,114124,115124,115123,114123,1.108,0,-1,0
114125,3,4,1,114125,115125,115124,114124,1.015,0,-1,0
114126,3,4,1,114126,115126,115125,114125,.921,0,-1,0
114127,3,4,1,114127,115127,115126,114126,.833,0,-1,0
115102,3,4,1,115102,116102,116101,115101,.833,0,-1,0
115103,3,4,1,115103,116103,116102,115102,.921,0,-1,0
115104,3,4,1,115104,116104,116103,115103,1.015,0,-1,0
115105,3,4,1,115105,116105,116104,115104,1.108,0,-1,0
115106,3,4,1,115106,116106,116105,115105,1.201,0,-1,0
115107,3,4,1,115107,116107,116106,115106,1.294,0,-1,0
115108,3,4,1,115108,116108,116107,115107,1.401,0,-1,0
115109,3,4,1,115109,116109,116108,115108,1.52,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

115110,3,4,1,115110,116110,116109,115109,1.64,0,-1,0
115111,3,4,1,115111,116111,116110,115110,1.76,0,-1,0
115112,3,4,1,115112,116112,116111,115111,1.873,0,-1,0
115113,3,4,1,115113,116113,116112,115112,1.965,0,-1,0
115114,3,4,1,115114,116114,116113,115113,1.798,0,-1,0
115115,3,4,1,115115,116115,116114,115114,1.798,0,-1,0
115116,3,4,1,115116,116116,116115,115115,1.965,0,-1,0
115117,3,4,1,115117,116117,116116,115116,1.873,0,-1,0
115118,3,4,1,115118,116118,116117,115117,1.76,0,-1,0
115119,3,4,1,115119,116119,116118,115118,1.64,0,-1,0
115120,3,4,1,115120,116120,116119,115119,1.52,0,-1,0
115121,3,4,1,115121,116121,116120,115120,1.401,0,-1,0
115122,3,4,1,115122,116122,116121,115121,1.294,0,-1,0
115123,3,4,1,115123,116123,116122,115122,1.201,0,-1,0
115124,3,4,1,115124,116124,116123,115123,1.108,0,-1,0
115125,3,4,1,115125,116125,116124,115124,1.015,0,-1,0
115126,3,4,1,115126,116126,116125,115125,.921,0,-1,0
115127,3,4,1,115127,116127,116126,115126,.833,0,-1,0
116102,3,4,1,116102,117102,117101,116101,.833,0,-1,0
116103,3,4,1,116103,117103,117102,116102,.921,0,-1,0
116104,3,4,1,116104,117104,117103,116103,1.015,0,-1,0
116105,3,4,1,116105,117105,117104,116104,1.108,0,-1,0
116106,3,4,1,116106,117106,117105,116105,1.201,0,-1,0
116107,3,4,1,116107,117107,117106,116106,1.294,0,-1,0
116108,3,4,1,116108,117108,117107,116107,1.401,0,-1,0
116109,3,4,1,116109,117109,117108,116108,1.52,0,-1,0
116110,3,4,1,116110,117110,117109,116109,1.64,0,-1,0
116111,3,4,1,116111,117111,117110,116110,1.76,0,-1,0
116112,3,4,1,116112,117112,117111,116111,1.873,0,-1,0
116113,3,4,1,116113,117113,117112,116112,1.965,0,-1,0
116114,3,4,1,116114,117114,117113,116113,1.798,0,-1,0
116115,3,4,1,116115,117115,117114,116114,1.798,0,-1,0
116116,3,4,1,116116,117116,117115,116115,1.965,0,-1,0
116117,3,4,1,116117,117117,117116,116116,1.873,0,-1,0
116118,3,4,1,116118,117118,117117,116117,1.76,0,-1,0
116119,3,4,1,116119,117119,117118,116118,1.64,0,-1,0
116120,3,4,1,116120,117120,117119,116119,1.52,0,-1,0
116121,3,4,1,116121,117121,117120,116120,1.401,0,-1,0
116122,3,4,1,116122,117122,117121,116121,1.294,0,-1,0
116123,3,4,1,116123,117123,117122,116122,1.201,0,-1,0
116124,3,4,1,116124,117124,117123,116123,1.108,0,-1,0
116125,3,4,1,116125,117125,117124,116124,1.015,0,-1,0
116126,3,4,1,116126,117126,117125,116125,.921,0,-1,0
116127,3,4,1,116127,117127,117126,116126,.833,0,-1,0
117102,3,4,1,117102,118102,118101,117101,.833,0,-1,0
117103,3,4,1,117103,118103,118102,117102,.921,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

117104,3,4,1,117104,118104,118103,117103,1.015,0,-1,0
117105,3,4,1,117105,118105,118104,117104,1.108,0,-1,0
117106,3,4,1,117106,118106,118105,117105,1.201,0,-1,0
117107,3,4,1,117107,118107,118106,117106,1.294,0,-1,0
117108,3,4,1,117108,118108,118107,117107,1.401,0,-1,0
117109,3,4,1,117109,118109,118108,117108,1.52,0,-1,0
117110,3,4,1,117110,118110,118109,117109,1.64,0,-1,0
117111,3,4,1,117111,118111,118110,117110,1.76,0,-1,0
117112,3,4,1,117112,118112,118111,117111,1.873,0,-1,0
117113,3,4,1,117113,118113,118112,117112,1.965,0,-1,0
117114,3,4,1,117114,118114,118113,117113,1.798,0,-1,0
117115,3,4,1,117115,118115,118114,117114,1.798,0,-1,0
117116,3,4,1,117116,118116,118115,117115,1.965,0,-1,0
117117,3,4,1,117117,118117,118116,117116,1.873,0,-1,0
117118,3,4,1,117118,118118,118117,117117,1.76,0,-1,0
117119,3,4,1,117119,118119,118118,117118,1.64,0,-1,0
117120,3,4,1,117120,118120,118119,117119,1.52,0,-1,0
117121,3,4,1,117121,118121,118120,117120,1.401,0,-1,0
117122,3,4,1,117122,118122,118121,117121,1.294,0,-1,0
117123,3,4,1,117123,118123,118122,117122,1.201,0,-1,0
117124,3,4,1,117124,118124,118123,117123,1.108,0,-1,0
117125,3,4,1,117125,118125,118124,117124,1.015,0,-1,0
117126,3,4,1,117126,118126,118125,117125,.921,0,-1,0
117127,3,4,1,117127,118127,118126,117126,.833,0,-1,0
118102,3,4,1,118102,119102,119101,118101,.833,0,-1,0
118103,3,4,1,118103,119103,119102,118102,.921,0,-1,0
118104,3,4,1,118104,119104,119103,118103,1.015,0,-1,0
118105,3,4,1,118105,119105,119104,118104,1.108,0,-1,0
118106,3,4,1,118106,119106,119105,118105,1.201,0,-1,0
118107,3,4,1,118107,119107,119106,118106,1.294,0,-1,0
118108,3,4,1,118108,119108,119107,118107,1.401,0,-1,0
118109,3,4,1,118109,119109,119108,118108,1.52,0,-1,0
118110,3,4,1,118110,119110,119109,118109,1.64,0,-1,0
118111,3,4,1,118111,119111,119110,118110,1.76,0,-1,0
118112,3,4,1,118112,119112,119111,118111,1.873,0,-1,0
118113,3,4,1,118113,119113,119112,118112,1.965,0,-1,0
118114,3,4,1,118114,119114,119113,118113,1.798,0,-1,0
118115,3,4,1,118115,119115,119114,118114,1.798,0,-1,0
118116,3,4,1,118116,119116,119115,118115,1.965,0,-1,0
118117,3,4,1,118117,119117,119116,118116,1.873,0,-1,0
118118,3,4,1,118118,119118,119117,118117,1.76,0,-1,0
118119,3,4,1,118119,119119,119118,118118,1.64,0,-1,0
118120,3,4,1,118120,119120,119119,118119,1.52,0,-1,0
118121,3,4,1,118121,119121,119120,118120,1.401,0,-1,0
118122,3,4,1,118122,119122,119121,118121,1.294,0,-1,0
118123,3,4,1,118123,119123,119122,118122,1.201,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

118124,3,4,1,118124,119124,119123,118123,1.108,0,-1,0
118125,3,4,1,118125,119125,119124,118124,1.015,0,-1,0
118126,3,4,1,118126,119126,119125,118125,.921,0,-1,0
118127,3,4,1,118127,119127,119126,118126,.833,0,-1,0
119102,3,4,1,119102,120102,120101,119101,.833,0,-1,0
119103,3,4,1,119103,120103,120102,119102,.921,0,-1,0
119104,3,4,1,119104,120104,120103,119103,1.015,0,-1,0
119105,3,4,1,119105,120105,120104,119104,1.108,0,-1,0
119106,3,4,1,119106,120106,120105,119105,1.201,0,-1,0
119107,3,4,1,119107,120107,120106,119106,1.294,0,-1,0
119108,3,4,1,119108,120108,120107,119107,1.401,0,-1,0
119109,3,4,1,119109,120109,120108,119108,1.52,0,-1,0
119110,3,4,1,119110,120110,120109,119109,1.64,0,-1,0
119111,3,4,1,119111,120111,120110,119110,1.76,0,-1,0
119112,3,4,1,119112,120112,120111,119111,1.873,0,-1,0
119113,3,4,1,119113,120113,120112,119112,1.965,0,-1,0
119114,3,4,1,119114,120114,120113,119113,1.798,0,-1,0
119115,3,4,1,119115,120115,120114,119114,1.798,0,-1,0
119116,3,4,1,119116,120116,120115,119115,1.965,0,-1,0
119117,3,4,1,119117,120117,120116,119116,1.873,0,-1,0
119118,3,4,1,119118,120118,120117,119117,1.76,0,-1,0
119119,3,4,1,119119,120119,120118,119118,1.64,0,-1,0
119120,3,4,1,119120,120120,120119,119119,1.52,0,-1,0
119121,3,4,1,119121,120121,120120,119120,1.401,0,-1,0
119122,3,4,1,119122,120122,120121,119121,1.294,0,-1,0
119123,3,4,1,119123,120123,120122,119122,1.201,0,-1,0
119124,3,4,1,119124,120124,120123,119123,1.108,0,-1,0
119125,3,4,1,119125,120125,120124,119124,1.015,0,-1,0
119126,3,4,1,119126,120126,120125,119125,.921,0,-1,0
119127,3,4,1,119127,120127,120126,119126,.833,0,-1,0
120102,3,4,1,120102,121102,121101,120101,.833,0,-1,0
120103,3,4,1,120103,121103,121102,120102,.921,0,-1,0
120104,3,4,1,120104,121104,121103,120103,1.015,0,-1,0
120105,3,4,1,120105,121105,121104,120104,1.108,0,-1,0
120106,3,4,1,120106,121106,121105,120105,1.201,0,-1,0
120107,3,4,1,120107,121107,121106,120106,1.294,0,-1,0
120108,3,4,1,120108,121108,121107,120107,1.401,0,-1,0
120109,3,4,1,120109,121109,121108,120108,1.52,0,-1,0
120110,3,4,1,120110,121110,121109,120109,1.64,0,-1,0
120111,3,4,1,120111,121111,121110,120110,1.76,0,-1,0
120112,3,4,1,120112,121112,121111,120111,1.873,0,-1,0
120113,3,4,1,120113,121113,121112,120112,1.965,0,-1,0
120114,3,4,1,120114,121114,121113,120113,1.798,0,-1,0
120115,3,4,1,120115,121115,121114,120114,1.798,0,-1,0
120116,3,4,1,120116,121116,121115,120115,1.965,0,-1,0
120117,3,4,1,120117,121117,121116,120116,1.873,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

120118,3,4,1,120118,121118,121117,120117,1.76,0,-1,0
120119,3,4,1,120119,121119,121118,120118,1.64,0,-1,0
120120,3,4,1,120120,121120,121119,120119,1.52,0,-1,0
120121,3,4,1,120121,121121,121120,120120,1.401,0,-1,0
120122,3,4,1,120122,121122,121121,120121,1.294,0,-1,0
120123,3,4,1,120123,121123,121122,120122,1.201,0,-1,0
120124,3,4,1,120124,121124,121123,120123,1.108,0,-1,0
120125,3,4,1,120125,121125,121124,120124,1.015,0,-1,0
120126,3,4,1,120126,121126,121125,120125,.921,0,-1,0
120127,3,4,1,120127,121127,121126,120126,.833,0,-1,0
121102,3,4,1,121102,122102,122101,121101,.833,0,-1,0
121103,3,4,1,121103,122103,122102,121102,.921,0,-1,0
121104,3,4,1,121104,122104,122103,121103,1.015,0,-1,0
121105,3,4,1,121105,122105,122104,121104,1.108,0,-1,0
121106,3,4,1,121106,122106,122105,121105,1.201,0,-1,0
121107,3,4,1,121107,122107,122106,121106,1.294,0,-1,0
121108,3,4,1,121108,122108,122107,121107,1.401,0,-1,0
121109,3,4,1,121109,122109,122108,121108,1.52,0,-1,0
121110,3,4,1,121110,122110,122109,121109,1.64,0,-1,0
121111,3,4,1,121111,122111,122110,121110,1.76,0,-1,0
121112,3,4,1,121112,122112,122111,121111,1.873,0,-1,0
121113,3,4,1,121113,122113,122112,121112,1.965,0,-1,0
121114,3,4,1,121114,122114,122113,121113,1.798,0,-1,0
121115,3,4,1,121115,122115,122114,121114,1.798,0,-1,0
121116,3,4,1,121116,122116,122115,121115,1.965,0,-1,0
121117,3,4,1,121117,122117,122116,121116,1.873,0,-1,0
121118,3,4,1,121118,122118,122117,121117,1.76,0,-1,0
121119,3,4,1,121119,122119,122118,121118,1.64,0,-1,0
121120,3,4,1,121120,122120,122119,121119,1.52,0,-1,0
121121,3,4,1,121121,122121,122120,121120,1.401,0,-1,0
121122,3,4,1,121122,122122,122121,121121,1.294,0,-1,0
121123,3,4,1,121123,122123,122122,121122,1.201,0,-1,0
121124,3,4,1,121124,122124,122123,121123,1.108,0,-1,0
121125,3,4,1,121125,122125,122124,121124,1.015,0,-1,0
121126,3,4,1,121126,122126,122125,121125,.921,0,-1,0
121127,3,4,1,121127,122127,122126,121126,.833,0,-1,0
122102,3,4,1,122102,123102,123101,122101,.833,0,-1,0
122103,3,4,1,122103,123103,123102,122102,.921,0,-1,0
122104,3,4,1,122104,123104,123103,122103,1.015,0,-1,0
122105,3,4,1,122105,123105,123104,122104,1.108,0,-1,0
122106,3,4,1,122106,123106,123105,122105,1.201,0,-1,0
122107,3,4,1,122107,123107,123106,122106,1.294,0,-1,0
122108,3,4,1,122108,123108,123107,122107,1.401,0,-1,0
122109,3,4,1,122109,123109,123108,122108,1.52,0,-1,0
122110,3,4,1,122110,123110,123109,122109,1.64,0,-1,0
122111,3,4,1,122111,123111,123110,122110,1.76,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

122112,3,4,1,122112,123112,123111,122111,1.873,0,-1,0
122113,3,4,1,122113,123113,123112,122112,1.965,0,-1,0
122114,3,4,1,122114,123114,123113,122113,1.798,0,-1,0
122115,3,4,1,122115,123115,123114,122114,1.798,0,-1,0
122116,3,4,1,122116,123116,123115,122115,1.965,0,-1,0
122117,3,4,1,122117,123117,123116,122116,1.873,0,-1,0
122118,3,4,1,122118,123118,123117,122117,1.76,0,-1,0
122119,3,4,1,122119,123119,123118,122118,1.64,0,-1,0
122120,3,4,1,122120,123120,123119,122119,1.52,0,-1,0
122121,3,4,1,122121,123121,123120,122120,1.401,0,-1,0
122122,3,4,1,122122,123122,123121,122121,1.294,0,-1,0
122123,3,4,1,122123,123123,123122,122122,1.201,0,-1,0
122124,3,4,1,122124,123124,123123,122123,1.108,0,-1,0
122125,3,4,1,122125,123125,123124,122124,1.015,0,-1,0
122126,3,4,1,122126,123126,123125,122125,.921,0,-1,0
122127,3,4,1,122127,123127,123126,122126,.833,0,-1,0
123102,3,4,1,123102,124102,124101,123101,.833,0,-1,0
123103,3,4,1,123103,124103,124102,123102,.921,0,-1,0
123104,3,4,1,123104,124104,124103,123103,1.015,0,-1,0
123105,3,4,1,123105,124105,124104,123104,1.108,0,-1,0
123106,3,4,1,123106,124106,124105,123105,1.201,0,-1,0
123107,3,4,1,123107,124107,124106,123106,1.294,0,-1,0
123108,3,4,1,123108,124108,124107,123107,1.401,0,-1,0
123109,3,4,1,123109,124109,124108,123108,1.52,0,-1,0
123110,3,4,1,123110,124110,124109,123109,1.64,0,-1,0
123111,3,4,1,123111,124111,124110,123110,1.76,0,-1,0
123112,3,4,1,123112,124112,124111,123111,1.873,0,-1,0
123113,3,4,1,123113,124113,124112,123112,1.965,0,-1,0
123114,3,4,1,123114,124114,124113,123113,1.798,0,-1,0
123115,3,4,1,123115,124115,124114,123114,1.798,0,-1,0
123116,3,4,1,123116,124116,124115,123115,1.965,0,-1,0
123117,3,4,1,123117,124117,124116,123116,1.873,0,-1,0
123118,3,4,1,123118,124118,124117,123117,1.76,0,-1,0
123119,3,4,1,123119,124119,124118,123118,1.64,0,-1,0
123120,3,4,1,123120,124120,124119,123119,1.52,0,-1,0
123121,3,4,1,123121,124121,124120,123120,1.401,0,-1,0
123122,3,4,1,123122,124122,124121,123121,1.294,0,-1,0
123123,3,4,1,123123,124123,124122,123122,1.201,0,-1,0
123124,3,4,1,123124,124124,124123,123123,1.108,0,-1,0
123125,3,4,1,123125,124125,124124,123124,1.015,0,-1,0
123126,3,4,1,123126,124126,124125,123125,.921,0,-1,0
123127,3,4,1,123127,124127,124126,123126,.833,0,-1,0
124102,3,4,1,124102,125102,125101,124101,.833,0,-1,0
124103,3,4,1,124103,125103,125102,124102,.921,0,-1,0
124104,3,4,1,124104,125104,125103,124103,1.015,0,-1,0
124105,3,4,1,124105,125105,125104,124104,1.108,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

124106,3,4,1,124106,125106,125105,124105,1.201,0,-1,0
124107,3,4,1,124107,125107,125106,124106,1.294,0,-1,0
124108,3,4,1,124108,125108,125107,124107,1.401,0,-1,0
124109,3,4,1,124109,125109,125108,124108,1.52,0,-1,0
124110,3,4,1,124110,125110,125109,124109,1.64,0,-1,0
124111,3,4,1,124111,125111,125110,124110,1.76,0,-1,0
124112,3,4,1,124112,125112,125111,124111,1.873,0,-1,0
124113,3,4,1,124113,125113,125112,124112,1.965,0,-1,0
124114,3,4,1,124114,125114,125113,124113,1.798,0,-1,0
124115,3,4,1,124115,125115,125114,124114,1.798,0,-1,0
124116,3,4,1,124116,125116,125115,124115,1.965,0,-1,0
124117,3,4,1,124117,125117,125116,124116,1.873,0,-1,0
124118,3,4,1,124118,125118,125117,124117,1.76,0,-1,0
124119,3,4,1,124119,125119,125118,124118,1.64,0,-1,0
124120,3,4,1,124120,125120,125119,124119,1.52,0,-1,0
124121,3,4,1,124121,125121,125120,124120,1.401,0,-1,0
124122,3,4,1,124122,125122,125121,124121,1.294,0,-1,0
124123,3,4,1,124123,125123,125122,124122,1.201,0,-1,0
124124,3,4,1,124124,125124,125123,124123,1.108,0,-1,0
124125,3,4,1,124125,125125,125124,124124,1.015,0,-1,0
124126,3,4,1,124126,125126,125125,124125,.921,0,-1,0
124127,3,4,1,124127,125127,125126,124126,.833,0,-1,0
125102,3,4,1,125102,126102,126101,125101,.833,0,-1,0
125103,3,4,1,125103,126103,126102,125102,.921,0,-1,0
125104,3,4,1,125104,126104,126103,125103,1.015,0,-1,0
125105,3,4,1,125105,126105,126104,125104,1.108,0,-1,0
125106,3,4,1,125106,126106,126105,125105,1.201,0,-1,0
125107,3,4,1,125107,126107,126106,125106,1.294,0,-1,0
125108,3,4,1,125108,126108,126107,125107,1.401,0,-1,0
125109,3,4,1,125109,126109,126108,125108,1.52,0,-1,0
125110,3,4,1,125110,126110,126109,125109,1.64,0,-1,0
125111,3,4,1,125111,126111,126110,125110,1.76,0,-1,0
125112,3,4,1,125112,126112,126111,125111,1.873,0,-1,0
125113,3,4,1,125113,126113,126112,125112,1.965,0,-1,0
125114,3,4,1,125114,126114,126113,125113,1.798,0,-1,0
125115,3,4,1,125115,126115,126114,125114,1.798,0,-1,0
125116,3,4,1,125116,126116,126115,125115,1.965,0,-1,0
125117,3,4,1,125117,126117,126116,125116,1.873,0,-1,0
125118,3,4,1,125118,126118,126117,125117,1.76,0,-1,0
125119,3,4,1,125119,126119,126118,125118,1.64,0,-1,0
125120,3,4,1,125120,126120,126119,125119,1.52,0,-1,0
125121,3,4,1,125121,126121,126120,125120,1.401,0,-1,0
125122,3,4,1,125122,126122,126121,125121,1.294,0,-1,0
125123,3,4,1,125123,126123,126122,125122,1.201,0,-1,0
125124,3,4,1,125124,126124,126123,125123,1.108,0,-1,0
125125,3,4,1,125125,126125,126124,125124,1.015,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

125126,3,4,1,125126,126126,126125,125125,.921,0,-1,0
125127,3,4,1,125127,126127,126126,125126,.833,0,-1,0
126102,3,4,1,126102,127102,127101,126101,.833,0,-1,0
126103,3,4,1,126103,127103,127102,126102,.921,0,-1,0
126104,3,4,1,126104,127104,127103,126103,1.015,0,-1,0
126105,3,4,1,126105,127105,127104,126104,1.108,0,-1,0
126106,3,4,1,126106,127106,127105,126105,1.201,0,-1,0
126107,3,4,1,126107,127107,127106,126106,1.294,0,-1,0
126108,3,4,1,126108,127108,127107,126107,1.401,0,-1,0
126109,3,4,1,126109,127109,127108,126108,1.52,0,-1,0
126110,3,4,1,126110,127110,127109,126109,1.64,0,-1,0
126111,3,4,1,126111,127111,127110,126110,1.76,0,-1,0
126112,3,4,1,126112,127112,127111,126111,1.873,0,-1,0
126113,3,4,1,126113,127113,127112,126112,1.965,0,-1,0
126114,3,4,1,126114,127114,127113,126113,1.798,0,-1,0
126115,3,4,1,126115,127115,127114,126114,1.798,0,-1,0
126116,3,4,1,126116,127116,127115,126115,1.965,0,-1,0
126117,3,4,1,126117,127117,127116,126116,1.873,0,-1,0
126118,3,4,1,126118,127118,127117,126117,1.76,0,-1,0
126119,3,4,1,126119,127119,127118,126118,1.64,0,-1,0
126120,3,4,1,126120,127120,127119,126119,1.52,0,-1,0
126121,3,4,1,126121,127121,127120,126120,1.401,0,-1,0
126122,3,4,1,126122,127122,127121,126121,1.294,0,-1,0
126123,3,4,1,126123,127123,127122,126122,1.201,0,-1,0
126124,3,4,1,126124,127124,127123,126123,1.108,0,-1,0
126125,3,4,1,126125,127125,127124,126124,1.015,0,-1,0
126126,3,4,1,126126,127126,127125,126125,.921,0,-1,0
126127,3,4,1,126127,127127,127126,126126,.833,0,-1,0
127102,3,4,1,127102,128102,128101,127101,.833,0,-1,0
127103,3,4,1,127103,128103,128102,127102,.921,0,-1,0
127104,3,4,1,127104,128104,128103,127103,1.015,0,-1,0
127105,3,4,1,127105,128105,128104,127104,1.108,0,-1,0
127106,3,4,1,127106,128106,128105,127105,1.201,0,-1,0
127107,3,4,1,127107,128107,128106,127106,1.294,0,-1,0
127108,3,4,1,127108,128108,128107,127107,1.401,0,-1,0
127109,3,4,1,127109,128109,128108,127108,1.52,0,-1,0
127110,3,4,1,127110,128110,128109,127109,1.64,0,-1,0
127111,3,4,1,127111,128111,128110,127110,1.76,0,-1,0
127112,3,4,1,127112,128112,128111,127111,1.873,0,-1,0
127113,3,4,1,127113,128113,128112,127112,1.965,0,-1,0
127114,3,4,1,127114,128114,128113,127113,1.798,0,-1,0
127115,3,4,1,127115,128115,128114,127114,1.798,0,-1,0
127116,3,4,1,127116,128116,128115,127115,1.965,0,-1,0
127117,3,4,1,127117,128117,128116,127116,1.873,0,-1,0
127118,3,4,1,127118,128118,128117,127117,1.76,0,-1,0
127119,3,4,1,127119,128119,128118,127118,1.64,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

127120,3,4,1,127120,128120,128119,127119,1.52,0,-1,0
127121,3,4,1,127121,128121,128120,127120,1.401,0,-1,0
127122,3,4,1,127122,128122,128121,127121,1.294,0,-1,0
127123,3,4,1,127123,128123,128122,127122,1.201,0,-1,0
127124,3,4,1,127124,128124,128123,127123,1.108,0,-1,0
127125,3,4,1,127125,128125,128124,127124,1.015,0,-1,0
127126,3,4,1,127126,128126,128125,127125,.921,0,-1,0
127127,3,4,1,127127,128127,128126,127126,.833,0,-1,0
128102,3,4,1,128102,129102,129101,128101,.833,0,-1,0
128103,3,4,1,128103,129103,129102,128102,.921,0,-1,0
128104,3,4,1,128104,129104,129103,128103,1.015,0,-1,0
128105,3,4,1,128105,129105,129104,128104,1.108,0,-1,0
128106,3,4,1,128106,129106,129105,128105,1.201,0,-1,0
128107,3,4,1,128107,129107,129106,128106,1.294,0,-1,0
128108,3,4,1,128108,129108,129107,128107,1.401,0,-1,0
128109,3,4,1,128109,129109,129108,128108,1.52,0,-1,0
128110,3,4,1,128110,129110,129109,128109,1.64,0,-1,0
128111,3,4,1,128111,129111,129110,128110,1.76,0,-1,0
128112,3,4,1,128112,129112,129111,128111,1.873,0,-1,0
128113,3,4,1,128113,129113,129112,128112,1.965,0,-1,0
128114,3,4,1,128114,129114,129113,128113,1.798,0,-1,0
128115,3,4,1,128115,129115,129114,128114,1.798,0,-1,0
128116,3,4,1,128116,129116,129115,128115,1.965,0,-1,0
128117,3,4,1,128117,129117,129116,128116,1.873,0,-1,0
128118,3,4,1,128118,129118,129117,128117,1.76,0,-1,0
128119,3,4,1,128119,129119,129118,128118,1.64,0,-1,0
128120,3,4,1,128120,129120,129119,128119,1.52,0,-1,0
128121,3,4,1,128121,129121,129120,128120,1.401,0,-1,0
128122,3,4,1,128122,129122,129121,128121,1.294,0,-1,0
128123,3,4,1,128123,129123,129122,128122,1.201,0,-1,0
128124,3,4,1,128124,129124,129123,128123,1.108,0,-1,0
128125,3,4,1,128125,129125,129124,128124,1.015,0,-1,0
128126,3,4,1,128126,129126,129125,128125,.921,0,-1,0
128127,3,4,1,128127,129127,129126,128126,.833,0,-1,0
129102,3,4,1,129102,130102,130101,129101,.833,0,-1,0
129103,3,4,1,129103,130103,130102,129102,.921,0,-1,0
129104,3,4,1,129104,130104,130103,129103,1.015,0,-1,0
129105,3,4,1,129105,130105,130104,129104,1.108,0,-1,0
129106,3,4,1,129106,130106,130105,129105,1.201,0,-1,0
129107,3,4,1,129107,130107,130106,129106,1.294,0,-1,0
129108,3,4,1,129108,130108,130107,129107,1.401,0,-1,0
129109,3,4,1,129109,130109,130108,129108,1.52,0,-1,0
129110,3,4,1,129110,130110,130109,129109,1.64,0,-1,0
129111,3,4,1,129111,130111,130110,129110,1.76,0,-1,0
129112,3,4,1,129112,130112,130111,129111,1.873,0,-1,0
129113,3,4,1,129113,130113,130112,129112,1.965,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

129114,3,4,1,129114,130114,130113,129113,1.798,0,-1,0
129115,3,4,1,129115,130115,130114,129114,1.798,0,-1,0
129116,3,4,1,129116,130116,130115,129115,1.965,0,-1,0
129117,3,4,1,129117,130117,130116,129116,1.873,0,-1,0
129118,3,4,1,129118,130118,130117,129117,1.76,0,-1,0
129119,3,4,1,129119,130119,130118,129118,1.64,0,-1,0
129120,3,4,1,129120,130120,130119,129119,1.52,0,-1,0
129121,3,4,1,129121,130121,130120,129120,1.401,0,-1,0
129122,3,4,1,129122,130122,130121,129121,1.294,0,-1,0
129123,3,4,1,129123,130123,130122,129122,1.201,0,-1,0
129124,3,4,1,129124,130124,130123,129123,1.108,0,-1,0
129125,3,4,1,129125,130125,130124,129124,1.015,0,-1,0
129126,3,4,1,129126,130126,130125,129125,.921,0,-1,0
129127,3,4,1,129127,130127,130126,129126,.833,0,-1,0
130102,3,4,1,130102,131102,131101,130101,.833,0,-1,0
130103,3,4,1,130103,131103,131102,130102,.921,0,-1,0
130104,3,4,1,130104,131104,131103,130103,1.015,0,-1,0
130105,3,4,1,130105,131105,131104,130104,1.108,0,-1,0
130106,3,4,1,130106,131106,131105,130105,1.201,0,-1,0
130107,3,4,1,130107,131107,131106,130106,1.294,0,-1,0
130108,3,4,1,130108,131108,131107,130107,1.401,0,-1,0
130109,3,4,1,130109,131109,131108,130108,1.52,0,-1,0
130110,3,4,1,130110,131110,131109,130109,1.64,0,-1,0
130111,3,4,1,130111,131111,131110,130110,1.76,0,-1,0
130112,3,4,1,130112,131112,131111,130111,1.873,0,-1,0
130113,3,4,1,130113,131113,131112,130112,1.965,0,-1,0
130114,3,4,1,130114,131114,131113,130113,1.798,0,-1,0
130115,3,4,1,130115,131115,131114,130114,1.798,0,-1,0
130116,3,4,1,130116,131116,131115,130115,1.965,0,-1,0
130117,3,4,1,130117,131117,131116,130116,1.873,0,-1,0
130118,3,4,1,130118,131118,131117,130117,1.76,0,-1,0
130119,3,4,1,130119,131119,131118,130118,1.64,0,-1,0
130120,3,4,1,130120,131120,131119,130119,1.52,0,-1,0
130121,3,4,1,130121,131121,131120,130120,1.401,0,-1,0
130122,3,4,1,130122,131122,131121,130121,1.294,0,-1,0
130123,3,4,1,130123,131123,131122,130122,1.201,0,-1,0
130124,3,4,1,130124,131124,131123,130123,1.108,0,-1,0
130125,3,4,1,130125,131125,131124,130124,1.015,0,-1,0
130126,3,4,1,130126,131126,131125,130125,.921,0,-1,0
130127,3,4,1,130127,131127,131126,130126,.833,0,-1,0
131102,3,4,1,131102,132102,132101,131101,.833,0,-1,0
131103,3,4,1,131103,132103,132102,131102,.921,0,-1,0
131104,3,4,1,131104,132104,132103,131103,1.015,0,-1,0
131105,3,4,1,131105,132105,132104,131104,1.108,0,-1,0
131106,3,4,1,131106,132106,132105,131105,1.201,0,-1,0
131107,3,4,1,131107,132107,132106,131106,1.294,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

131108,3,4,1,131108,132108,132107,131107,1.401,0,-1,0
131109,3,4,1,131109,132109,132108,131108,1.52,0,-1,0
131110,3,4,1,131110,132110,132109,131109,1.64,0,-1,0
131111,3,4,1,131111,132111,132110,131110,1.76,0,-1,0
131112,3,4,1,131112,132112,132111,131111,1.873,0,-1,0
131113,3,4,1,131113,132113,132112,131112,1.965,0,-1,0
131114,3,4,1,131114,132114,132113,131113,1.798,0,-1,0
131115,3,4,1,131115,132115,132114,131114,1.798,0,-1,0
131116,3,4,1,131116,132116,132115,131115,1.965,0,-1,0
131117,3,4,1,131117,132117,132116,131116,1.873,0,-1,0
131118,3,4,1,131118,132118,132117,131117,1.76,0,-1,0
131119,3,4,1,131119,132119,132118,131118,1.64,0,-1,0
131120,3,4,1,131120,132120,132119,131119,1.52,0,-1,0
131121,3,4,1,131121,132121,132120,131120,1.401,0,-1,0
131122,3,4,1,131122,132122,132121,131121,1.294,0,-1,0
131123,3,4,1,131123,132123,132122,131122,1.201,0,-1,0
131124,3,4,1,131124,132124,132123,131123,1.108,0,-1,0
131125,3,4,1,131125,132125,132124,131124,1.015,0,-1,0
131126,3,4,1,131126,132126,132125,131125,.921,0,-1,0
131127,3,4,1,131127,132127,132126,131126,.833,0,-1,0
132102,3,4,1,132102,133102,133101,132101,.833,0,-1,0
132103,3,4,1,132103,133103,133102,132102,.921,0,-1,0
132104,3,4,1,132104,133104,133103,132103,1.015,0,-1,0
132105,3,4,1,132105,133105,133104,132104,1.108,0,-1,0
132106,3,4,1,132106,133106,133105,132105,1.201,0,-1,0
132107,3,4,1,132107,133107,133106,132106,1.294,0,-1,0
132108,3,4,1,132108,133108,133107,132107,1.401,0,-1,0
132109,3,4,1,132109,133109,133108,132108,1.52,0,-1,0
132110,3,4,1,132110,133110,133109,132109,1.64,0,-1,0
132111,3,4,1,132111,133111,133110,132110,1.76,0,-1,0
132112,3,4,1,132112,133112,133111,132111,1.873,0,-1,0
132113,3,4,1,132113,133113,133112,132112,1.965,0,-1,0
132114,3,4,1,132114,133114,133113,132113,1.798,0,-1,0
132115,3,4,1,132115,133115,133114,132114,1.798,0,-1,0
132116,3,4,1,132116,133116,133115,132115,1.965,0,-1,0
132117,3,4,1,132117,133117,133116,132116,1.873,0,-1,0
132118,3,4,1,132118,133118,133117,132117,1.76,0,-1,0
132119,3,4,1,132119,133119,133118,132118,1.64,0,-1,0
132120,3,4,1,132120,133120,133119,132119,1.52,0,-1,0
132121,3,4,1,132121,133121,133120,132120,1.401,0,-1,0
132122,3,4,1,132122,133122,133121,132121,1.294,0,-1,0
132123,3,4,1,132123,133123,133122,132122,1.201,0,-1,0
132124,3,4,1,132124,133124,133123,132123,1.108,0,-1,0
132125,3,4,1,132125,133125,133124,132124,1.015,0,-1,0
132126,3,4,1,132126,133126,133125,132125,.921,0,-1,0
132127,3,4,1,132127,133127,133126,132126,.833,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

133102,3,4,1,133102,134102,134101,133101,.833,0,-1,0
133103,3,4,1,133103,134103,134102,133102,.921,0,-1,0
133104,3,4,1,133104,134104,134103,133103,1.015,0,-1,0
133105,3,4,1,133105,134105,134104,133104,1.108,0,-1,0
133106,3,4,1,133106,134106,134105,133105,1.201,0,-1,0
133107,3,4,1,133107,134107,134106,133106,1.294,0,-1,0
133108,3,4,1,133108,134108,134107,133107,1.401,0,-1,0
133109,3,4,1,133109,134109,134108,133108,1.52,0,-1,0
133110,3,4,1,133110,134110,134109,133109,1.64,0,-1,0
133111,3,4,1,133111,134111,134110,133110,1.76,0,-1,0
133112,3,4,1,133112,134112,134111,133111,1.873,0,-1,0
133113,3,4,1,133113,134113,134112,133112,1.965,0,-1,0
133114,3,4,1,133114,134114,134113,133113,1.798,0,-1,0
133115,3,4,1,133115,134115,134114,133114,1.798,0,-1,0
133116,3,4,1,133116,134116,134115,133115,1.965,0,-1,0
133117,3,4,1,133117,134117,134116,133116,1.873,0,-1,0
133118,3,4,1,133118,134118,134117,133117,1.76,0,-1,0
133119,3,4,1,133119,134119,134118,133118,1.64,0,-1,0
133120,3,4,1,133120,134120,134119,133119,1.52,0,-1,0
133121,3,4,1,133121,134121,134120,133120,1.401,0,-1,0
133122,3,4,1,133122,134122,134121,133121,1.294,0,-1,0
133123,3,4,1,133123,134123,134122,133122,1.201,0,-1,0
133124,3,4,1,133124,134124,134123,133123,1.108,0,-1,0
133125,3,4,1,133125,134125,134124,133124,1.015,0,-1,0
133126,3,4,1,133126,134126,134125,133125,.921,0,-1,0
133127,3,4,1,133127,134127,134126,133126,.833,0,-1,0
134102,3,4,1,134102,135102,135101,134101,.833,0,-1,0
134103,3,4,1,134103,135103,135102,134102,.921,0,-1,0
134104,3,4,1,134104,135104,135103,134103,1.015,0,-1,0
134105,3,4,1,134105,135105,135104,134104,1.108,0,-1,0
134106,3,4,1,134106,135106,135105,134105,1.201,0,-1,0
134107,3,4,1,134107,135107,135106,134106,1.294,0,-1,0
134108,3,4,1,134108,135108,135107,134107,1.401,0,-1,0
134109,3,4,1,134109,135109,135108,134108,1.52,0,-1,0
134110,3,4,1,134110,135110,135109,134109,1.64,0,-1,0
134111,3,4,1,134111,135111,135110,134110,1.76,0,-1,0
134112,3,4,1,134112,135112,135111,134111,1.873,0,-1,0
134113,3,4,1,134113,135113,135112,134112,1.965,0,-1,0
134114,3,4,1,134114,135114,135113,134113,1.798,0,-1,0
134115,3,4,1,134115,135115,135114,134114,1.798,0,-1,0
134116,3,4,1,134116,135116,135115,134115,1.965,0,-1,0
134117,3,4,1,134117,135117,135116,134116,1.873,0,-1,0
134118,3,4,1,134118,135118,135117,134117,1.76,0,-1,0
134119,3,4,1,134119,135119,135118,134118,1.64,0,-1,0
134120,3,4,1,134120,135120,135119,134119,1.52,0,-1,0
134121,3,4,1,134121,135121,135120,134120,1.401,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

134122,3,4,1,134122,135122,135121,134121,1.294,0,-1,0
134123,3,4,1,134123,135123,135122,134122,1.201,0,-1,0
134124,3,4,1,134124,135124,135123,134123,1.108,0,-1,0
134125,3,4,1,134125,135125,135124,134124,1.015,0,-1,0
134126,3,4,1,134126,135126,135125,134125,.921,0,-1,0
134127,3,4,1,134127,135127,135126,134126,.833,0,-1,0
135102,3,4,1,135102,136102,136101,135101,.833,0,-1,0
135103,3,4,1,135103,136103,136102,135102,.921,0,-1,0
135104,3,4,1,135104,136104,136103,135103,1.015,0,-1,0
135105,3,4,1,135105,136105,136104,135104,1.108,0,-1,0
135106,3,4,1,135106,136106,136105,135105,1.201,0,-1,0
135107,3,4,1,135107,136107,136106,135106,1.294,0,-1,0
135108,3,4,1,135108,136108,136107,135107,1.401,0,-1,0
135109,3,4,1,135109,136109,136108,135108,1.52,0,-1,0
135110,3,4,1,135110,136110,136109,135109,1.64,0,-1,0
135111,3,4,1,135111,136111,136110,135110,1.76,0,-1,0
135112,3,4,1,135112,136112,136111,135111,1.873,0,-1,0
135113,3,4,1,135113,136113,136112,135112,1.965,0,-1,0
135114,3,4,1,135114,136114,136113,135113,1.798,0,-1,0
135115,3,4,1,135115,136115,136114,135114,1.798,0,-1,0
135116,3,4,1,135116,136116,136115,135115,1.965,0,-1,0
135117,3,4,1,135117,136117,136116,135116,1.873,0,-1,0
135118,3,4,1,135118,136118,136117,135117,1.76,0,-1,0
135119,3,4,1,135119,136119,136118,135118,1.64,0,-1,0
135120,3,4,1,135120,136120,136119,135119,1.52,0,-1,0
135121,3,4,1,135121,136121,136120,135120,1.401,0,-1,0
135122,3,4,1,135122,136122,136121,135121,1.294,0,-1,0
135123,3,4,1,135123,136123,136122,135122,1.201,0,-1,0
135124,3,4,1,135124,136124,136123,135123,1.108,0,-1,0
135125,3,4,1,135125,136125,136124,135124,1.015,0,-1,0
135126,3,4,1,135126,136126,136125,135125,.921,0,-1,0
135127,3,4,1,135127,136127,136126,135126,.833,0,-1,0
136102,3,4,1,136102,137102,137101,136101,.833,0,-1,0
136103,3,4,1,136103,137103,137102,136102,.921,0,-1,0
136104,3,4,1,136104,137104,137103,136103,1.015,0,-1,0
136105,3,4,1,136105,137105,137104,136104,1.108,0,-1,0
136106,3,4,1,136106,137106,137105,136105,1.201,0,-1,0
136107,3,4,1,136107,137107,137106,136106,1.294,0,-1,0
136108,3,4,1,136108,137108,137107,136107,1.401,0,-1,0
136109,3,4,1,136109,137109,137108,136108,1.52,0,-1,0
136110,3,4,1,136110,137110,137109,136109,1.64,0,-1,0
136111,3,4,1,136111,137111,137110,136110,1.76,0,-1,0
136112,3,4,1,136112,137112,137111,136111,1.873,0,-1,0
136113,3,4,1,136113,137113,137112,136112,1.965,0,-1,0
136114,3,4,1,136114,137114,137113,136113,1.798,0,-1,0
136115,3,4,1,136115,137115,137114,136114,1.798,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

136116,3,4,1,136116,137116,137115,136115,1.965,0,-1,0
136117,3,4,1,136117,137117,137116,136116,1.873,0,-1,0
136118,3,4,1,136118,137118,137117,136117,1.76,0,-1,0
136119,3,4,1,136119,137119,137118,136118,1.64,0,-1,0
136120,3,4,1,136120,137120,137119,136119,1.52,0,-1,0
136121,3,4,1,136121,137121,137120,136120,1.401,0,-1,0
136122,3,4,1,136122,137122,137121,136121,1.294,0,-1,0
136123,3,4,1,136123,137123,137122,136122,1.201,0,-1,0
136124,3,4,1,136124,137124,137123,136123,1.108,0,-1,0
136125,3,4,1,136125,137125,137124,136124,1.015,0,-1,0
136126,3,4,1,136126,137126,137125,136125,.921,0,-1,0
136127,3,4,1,136127,137127,137126,136126,.833,0,-1,0
137102,3,4,1,137102,138102,138101,137101,.833,0,-1,0
137103,3,4,1,137103,138103,138102,137102,.921,0,-1,0
137104,3,4,1,137104,138104,138103,137103,1.015,0,-1,0
137105,3,4,1,137105,138105,138104,137104,1.108,0,-1,0
137106,3,4,1,137106,138106,138105,137105,1.201,0,-1,0
137107,3,4,1,137107,138107,138106,137106,1.294,0,-1,0
137108,3,4,1,137108,138108,138107,137107,1.401,0,-1,0
137109,3,4,1,137109,138109,138108,137108,1.52,0,-1,0
137110,3,4,1,137110,138110,138109,137109,1.64,0,-1,0
137111,3,4,1,137111,138111,138110,137110,1.76,0,-1,0
137112,3,4,1,137112,138112,138111,137111,1.873,0,-1,0
137113,3,4,1,137113,138113,138112,137112,1.965,0,-1,0
137114,3,4,1,137114,138114,138113,137113,1.798,0,-1,0
137115,3,4,1,137115,138115,138114,137114,1.798,0,-1,0
137116,3,4,1,137116,138116,138115,137115,1.965,0,-1,0
137117,3,4,1,137117,138117,138116,137116,1.873,0,-1,0
137118,3,4,1,137118,138118,138117,137117,1.76,0,-1,0
137119,3,4,1,137119,138119,138118,137118,1.64,0,-1,0
137120,3,4,1,137120,138120,138119,137119,1.52,0,-1,0
137121,3,4,1,137121,138121,138120,137120,1.401,0,-1,0
137122,3,4,1,137122,138122,138121,137121,1.294,0,-1,0
137123,3,4,1,137123,138123,138122,137122,1.201,0,-1,0
137124,3,4,1,137124,138124,138123,137123,1.108,0,-1,0
137125,3,4,1,137125,138125,138124,137124,1.015,0,-1,0
137126,3,4,1,137126,138126,138125,137125,.921,0,-1,0
137127,3,4,1,137127,138127,138126,137126,.833,0,-1,0
138102,3,4,1,138102,139102,139101,138101,.833,0,-1,0
138103,3,4,1,138103,139103,139102,138102,.921,0,-1,0
138104,3,4,1,138104,139104,139103,138103,1.015,0,-1,0
138105,3,4,1,138105,139105,139104,138104,1.108,0,-1,0
138106,3,4,1,138106,139106,139105,138105,1.201,0,-1,0
138107,3,4,1,138107,139107,139106,138106,1.294,0,-1,0
138108,3,4,1,138108,139108,139107,138107,1.401,0,-1,0
138109,3,4,1,138109,139109,139108,138108,1.52,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

138110,3,4,1,138110,139110,139109,138109,1.64,0,-1,0
 138111,3,4,1,138111,139111,139110,138110,1.76,0,-1,0
 138112,3,4,1,138112,139112,139111,138111,1.873,0,-1,0
 138113,3,4,1,138113,139113,139112,138112,1.965,0,-1,0
 138114,3,4,1,138114,139114,139113,138113,1.798,0,-1,0
 138115,3,4,1,138115,139115,139114,138114,1.798,0,-1,0
 138116,3,4,1,138116,139116,139115,138115,1.965,0,-1,0
 138117,3,4,1,138117,139117,139116,138116,1.873,0,-1,0
 138118,3,4,1,138118,139118,139117,138117,1.76,0,-1,0
 138119,3,4,1,138119,139119,139118,138118,1.64,0,-1,0
 138120,3,4,1,138120,139120,139119,138119,1.52,0,-1,0
 138121,3,4,1,138121,139121,139120,138120,1.401,0,-1,0
 138122,3,4,1,138122,139122,139121,138121,1.294,0,-1,0
 138123,3,4,1,138123,139123,139122,138122,1.201,0,-1,0
 138124,3,4,1,138124,139124,139123,138123,1.108,0,-1,0
 138125,3,4,1,138125,139125,139124,138124,1.015,0,-1,0
 138126,3,4,1,138126,139126,139125,138125,.921,0,-1,0
 138127,3,4,1,138127,139127,139126,138126,.833,0,-1,0
 139102,3,4,1,139102,140102,140101,139101,.833,0,-1,0
 139103,3,4,1,139103,140103,140102,139102,.921,0,-1,0
 139104,3,4,1,139104,140104,140103,139103,1.015,0,-1,0
 139105,3,4,1,139105,140105,140104,139104,1.108,0,-1,0
 139106,3,4,1,139106,140106,140105,139105,1.201,0,-1,0
 139107,3,4,1,139107,140107,140106,139106,1.294,0,-1,0
 139108,3,4,1,139108,140108,140107,139107,1.401,0,-1,0
 139109,3,4,1,139109,140109,140108,139108,1.52,0,-1,0
 139110,3,4,1,139110,140110,140109,139109,1.64,0,-1,0
 139111,3,4,1,139111,140111,140110,139110,1.76,0,-1,0
 139112,3,4,1,139112,140112,140111,139111,1.873,0,-1,0
 139113,3,4,1,139113,140113,140112,139112,1.965,0,-1,0
 139114,3,4,1,139114,140114,140113,139113,1.798,0,-1,0
 139115,3,4,1,139115,140115,140114,139114,1.798,0,-1,0
 139116,3,4,1,139116,140116,140115,139115,1.965,0,-1,0
 139117,3,4,1,139117,140117,140116,139116,1.873,0,-1,0
 139118,3,4,1,139118,140118,140117,139117,1.76,0,-1,0
 139119,3,4,1,139119,140119,140118,139118,1.64,0,-1,0
 139120,3,4,1,139120,140120,140119,139119,1.52,0,-1,0
 139121,3,4,1,139121,140121,140120,139120,1.401,0,-1,0
 139122,3,4,1,139122,140122,140121,139121,1.294,0,-1,0
 139123,3,4,1,139123,140123,140122,139122,1.201,0,-1,0
 139124,3,4,1,139124,140124,140123,139123,1.108,0,-1,0
 139125,3,4,1,139125,140125,140124,139124,1.015,0,-1,0
 139126,3,4,1,139126,140126,140125,139125,.921,0,-1,0
 139127,3,4,1,139127,140127,140126,139126,.833,0,-1,0
 101207,3,4,1,101207,101107,101106,101206,2,0,-1,0
 101208,3,4,1,101208,101108,101107,101207,2,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

101209,3,4,1,101209,101109,101108,101208,2,0,-1,0
101210,3,4,1,101210,101110,101109,101209,2,0,-1,0
101211,3,4,1,101211,101111,101110,101210,2,0,-1,0
101212,3,4,1,101212,101112,101111,101211,2,0,-1,0
101213,3,4,1,101213,101113,101112,101212,2,0,-1,0
101216,3,4,1,101216,101116,101115,101215,2,0,-1,0
101217,3,4,1,101217,101117,101116,101216,2,0,-1,0
101218,3,4,1,101218,101118,101117,101217,2,0,-1,0
101219,3,4,1,101219,101119,101118,101218,2,0,-1,0
101220,3,4,1,101220,101120,101119,101219,2,0,-1,0
101221,3,4,1,101221,101121,101120,101220,2,0,-1,0
101222,3,4,1,101222,101122,101121,101221,2,0,-1,0
101307,3,4,1,101307,101207,101206,101306,2,0,-1,0
101308,3,4,1,101308,101208,101207,101307,2,0,-1,0
101309,3,4,1,101309,101209,101208,101308,2,0,-1,0
101310,3,4,1,101310,101210,101209,101309,2,0,-1,0
101311,3,4,1,101311,101211,101210,101310,2,0,-1,0
101312,3,4,1,101312,101212,101211,101311,2,0,-1,0
101313,3,4,1,101313,101213,101212,101312,2,0,-1,0
101316,3,4,1,101316,101216,101215,101315,2,0,-1,0
101317,3,4,1,101317,101217,101216,101316,2,0,-1,0
101318,3,4,1,101318,101218,101217,101317,2,0,-1,0
101319,3,4,1,101319,101219,101218,101318,2,0,-1,0
101320,3,4,1,101320,101220,101219,101319,2,0,-1,0
101321,3,4,1,101321,101221,101220,101320,2,0,-1,0
101322,3,4,1,101322,101222,101221,101321,2,0,-1,0
101407,3,4,1,101407,101307,101306,101406,2,0,-1,0
101408,3,4,1,101408,101308,101307,101407,2,0,-1,0
101409,3,4,1,101409,101309,101308,101408,2,0,-1,0
101410,3,4,1,101410,101310,101309,101409,2,0,-1,0
101411,3,4,1,101411,101311,101310,101410,2,0,-1,0
101412,3,4,1,101412,101312,101311,101411,2,0,-1,0
101413,3,4,1,101413,101313,101312,101412,2,0,-1,0
101416,3,4,1,101416,101316,101315,101415,2,0,-1,0
101417,3,4,1,101417,101317,101316,101416,2,0,-1,0
101418,3,4,1,101418,101318,101317,101417,2,0,-1,0
101419,3,4,1,101419,101319,101318,101418,2,0,-1,0
101420,3,4,1,101420,101320,101319,101419,2,0,-1,0
101421,3,4,1,101421,101321,101320,101420,2,0,-1,0
101422,3,4,1,101422,101322,101321,101421,2,0,-1,0
101507,3,4,1,101507,101407,101406,101506,2,0,-1,0
101508,3,4,1,101508,101408,101407,101507,2,0,-1,0
101509,3,4,1,101509,101409,101408,101508,2,0,-1,0
101510,3,4,1,101510,101410,101409,101509,2,0,-1,0
101511,3,4,1,101511,101411,101410,101510,2,0,-1,0
101512,3,4,1,101512,101412,101411,101511,2,0,-1,0

07_deck_dia_plates_new_alp.lar

9/6/2018

```

101513,3,4,1,101513,101413,101412,101512,2,0,-1,0
101514,3,4,1,101514,101414,101413,101513,2,0,-1,0
101515,3,4,1,101515,101415,101414,101514,2,0,-1,0
101516,3,4,1,101516,101416,101415,101515,2,0,-1,0
101517,3,4,1,101517,101417,101416,101516,2,0,-1,0
101518,3,4,1,101518,101418,101417,101517,2,0,-1,0
101519,3,4,1,101519,101419,101418,101518,2,0,-1,0
101520,3,4,1,101520,101420,101419,101519,2,0,-1,0
101521,3,4,1,101521,101421,101420,101520,2,0,-1,0
101522,3,4,1,101522,101422,101421,101521,2,0,-1,0
101607,3,2,1,101607,101507,101506,0,2,0,-1,0
101608,3,4,1,101608,101508,101507,101607,2,0,-1,0
101609,3,4,1,101609,101509,101508,101608,2,0,-1,0
101610,3,4,1,101610,101510,101509,101609,2,0,-1,0
101611,3,4,1,101611,101511,101510,101610,2,0,-1,0
101612,3,4,1,101612,101512,101511,101611,2,0,-1,0
101613,3,4,1,101613,101513,101512,101612,2,0,-1,0
101614,3,4,1,101614,101514,101513,101613,2,0,-1,0
101615,3,4,1,101615,101515,101514,101614,2,0,-1,0
101616,3,4,1,101616,101516,101515,101615,2,0,-1,0
101617,3,4,1,101617,101517,101516,101616,2,0,-1,0
101618,3,4,1,101618,101518,101517,101617,2,0,-1,0
101619,3,4,1,101619,101519,101518,101618,2,0,-1,0
101620,3,4,1,101620,101520,101519,101619,2,0,-1,0
101621,3,4,1,101621,101521,101520,101620,2,0,-1,0
101622,3,2,1,101522,101521,101621,0,2,0,-1,0

```

END PLATES

BEGIN SPRINGS

```

FORMAT: NUMBER, TYPE, I JOINT, J JOINT, DIRECTION, K-TENSION, K-COMPRESSION, MAX-TENSION, MAX-COMPRESSION,
HOOK, GAP, DAMPING, NONLINEAR CURVE, K-MATRIX

```

27 Records

```

1,1,140101,0,2,6.6,6.6,0,0,0,0,0,0,0
2,1,140102,0,2,15.8,15.8,0,0,0,0,0,0,0
3,1,140103,0,2,18.4,18.4,0,0,0,0,0,0,0
4,1,140104,0,2,18.4,18.4,0,0,0,0,0,0,0
5,1,140105,0,2,18.4,18.4,0,0,0,0,0,0,0
6,1,140106,0,2,18.4,18.4,0,0,0,0,0,0,0
7,1,140107,0,2,21,21,0,0,0,0,0,0,0
8,1,140108,0,2,23.7,23.7,0,0,0,0,0,0,0
9,1,140109,0,2,23.7,23.7,0,0,0,0,0,0,0
10,1,140110,0,2,23.7,23.7,0,0,0,0,0,0,0
11,1,140111,0,2,22.4,22.4,0,0,0,0,0,0,0
12,1,140112,0,2,18.1,18.1,0,0,0,0,0,0,0
13,1,140113,0,2,14.5,14.5,0,0,0,0,0,0,0
14,1,140114,0,2,13.8,13.8,0,0,0,0,0,0,0

```

07_deck_dia_plates_new_alp.lar

9/6/2018

```

15,1,140115,0,2,14.5,14.5,0,0,0,0,0,0,0
16,1,140116,0,2,18.1,18.1,0,0,0,0,0,0,0
17,1,140117,0,2,22.4,22.4,0,0,0,0,0,0,0
18,1,140118,0,2,23.7,23.7,0,0,0,0,0,0,0
19,1,140119,0,2,23.7,23.7,0,0,0,0,0,0,0
20,1,140120,0,2,23.7,23.7,0,0,0,0,0,0,0
21,1,140121,0,2,21,21,0,0,0,0,0,0,0
22,1,140122,0,2,18.4,18.4,0,0,0,0,0,0,0
23,1,140123,0,2,18.4,18.4,0,0,0,0,0,0,0
24,1,140124,0,2,18.4,18.4,0,0,0,0,0,0,0
25,1,140125,0,2,18.4,18.4,0,0,0,0,0,0,0
26,1,140126,0,2,15.8,15.8,0,0,0,0,0,0,0
27,1,140127,0,2,6.6,6.6,0,0,0,0,0,0,0

```

END SPRINGS

BEGIN GEO-GROUPS

FORMAT: NUMBER, NAME / OBJECT COUNT / OBJECT LIST

3 Records

```

1, "Deck", 0, #FALSE#, -1
1106

```

```

100101,100102,100103,100104,100105,100106,100107,100108,100109,100110,100111,100112
100122,100123,100124,100125,100126,100127,101101,101102,101103,101104,101105,101106
101115,101116,101117,101118,101119,101120,101121,101122,101123,101124,101125,101126
102108,102109,102110,102111,102112,102113,102114,102115,102116,102117,102118,102119
103101,103102,103103,103104,103105,103106,103107,103108,103109,103110,103111,103112
103121,103122,103123,103124,103125,103126,103127,104101,104102,104103,104104,104105
104114,104115,104116,104117,104118,104119,104120,104121,104122,104123,104124,104125
105107,105108,105109,105110,105111,105112,105113,105114,105115,105116,105117,105118
105127,106101,106102,106103,106104,106105,106106,106107,106108,106109,106110,106111
106120,106121,106122,106123,106124,106125,106126,106127,107101,107102,107103,107104
107113,107114,107115,107116,107117,107118,107119,107120,107121,107122,107123,107124
108106,108107,108108,108109,108110,108111,108112,108113,108114,108115,108116,108117
108126,108127,109101,109102,109103,109104,109105,109106,109107,109108,109109,109110

```

07_deck_dia_plates_new_alp.lar

9/6/2018

109119,109120,109121,109122,109123,109124,109125,109126,109127,110101,110102,110103
110112,110113,110114,110115,110116,110117,110118,110119,110120,110121,110122,110123
111105,111106,111107,111108,111109,111110,111111,111112,111113,111114,111115,111116
111125,111126,111127,112101,112102,112103,112104,112105,112106,112107,112108,112109
112118,112119,112120,112121,112122,112123,112124,112125,112126,112127,113101,113102
113111,113112,113113,113114,113115,113116,113117,113118,113119,113120,113121,113122
114104,114105,114106,114107,114108,114109,114110,114111,114112,114113,114114,114115
114124,114125,114126,114127,115101,115102,115103,115104,115105,115106,115107,115108
115117,115118,115119,115120,115121,115122,115123,115124,115125,115126,115127,116101
116110,116111,116112,116113,116114,116115,116116,116117,116118,116119,116120,116121
117103,117104,117105,117106,117107,117108,117109,117110,117111,117112,117113,117114
117123,117124,117125,117126,117127,118101,118102,118103,118104,118105,118106,118107
118116,118117,118118,118119,118120,118121,118122,118123,118124,118125,118126,118127
119109,119110,119111,119112,119113,119114,119115,119116,119117,119118,119119,119120
120102,120103,120104,120105,120106,120107,120108,120109,120110,120111,120112,120113
120122,120123,120124,120125,120126,120127,121101,121102,121103,121104,121105,121106
121115,121116,121117,121118,121119,121120,121121,121122,121123,121124,121125,121126
122108,122109,122110,122111,122112,122113,122114,122115,122116,122117,122118,122119
123101,123102,123103,123104,123105,123106,123107,123108,123109,123110,123111,123112
123121,123122,123123,123124,123125,123126,123127,124101,124102,124103,124104,124105
124114,124115,124116,124117,124118,124119,124120,124121,124122,124123,124124,124125
125107,125108,125109,125110,125111,125112,125113,125114,125115,125116,125117,125118
125127,126101,126102,126103,126104,126105,126106,126107,126108,126109,126110,126111

07_deck_dia_plates_new_alp.lar

9/6/2018

126120,126121,126122,126123,126124,126125,126126,126127,127101,127102,127103,127104
127113,127114,127115,127116,127117,127118,127119,127120,127121,127122,127123,127124
128106,128107,128108,128109,128110,128111,128112,128113,128114,128115,128116,128117
128126,128127,129101,129102,129103,129104,129105,129106,129107,129108,129109,129110
129119,129120,129121,129122,129123,129124,129125,129126,129127,130101,130102,130103
130112,130113,130114,130115,130116,130117,130118,130119,130120,130121,130122,130123
131105,131106,131107,131108,131109,131110,131111,131112,131113,131114,131115,131116
131125,131126,131127,132101,132102,132103,132104,132105,132106,132107,132108,132109
132118,132119,132120,132121,132122,132123,132124,132125,132126,132127,133101,133102
133111,133112,133113,133114,133115,133116,133117,133118,133119,133120,133121,133122
134104,134105,134106,134107,134108,134109,134110,134111,134112,134113,134114,134115
134124,134125,134126,134127,135101,135102,135103,135104,135105,135106,135107,135108
135117,135118,135119,135120,135121,135122,135123,135124,135125,135126,135127,136101
136110,136111,136112,136113,136114,136115,136116,136117,136118,136119,136120,136121
137103,137104,137105,137106,137107,137108,137109,137110,137111,137112,137113,137114
137123,137124,137125,137126,137127,138101,138102,138103,138104,138105,138106,138107
138116,138117,138118,138119,138120,138121,138122,138123,138124,138125,138126,138127
139109,139110,139111,139112,139113,139114,139115,139116,139117,139118,139119,139120
140102,140103,140104,140105,140106,140107,140108,140109,140110,140111,140112,140113
140122,140123,140124,140125,140126,140127

0
1038

100102,100103,100104,100105,100106,100107,100108,100109,100110,100111,100112,100113
100124,100125,100126,100127,101102,101103,101104,101105,101106,101107,101108,101109

07_deck_dia_plates_new_alp.lar

9/6/2018

101118,101119,101120,101121,101122,101123,101124,101125,101126,101127,102102,102103
102112,102113,102114,102115,102116,102117,102118,102119,102120,102121,102122,102123
103106,103107,103108,103109,103110,103111,103112,103113,103114,103115,103116,103117
103126,103127,104102,104103,104104,104105,104106,104107,104108,104109,104110,104111
104120,104121,104122,104123,104124,104125,104126,104127,105102,105103,105104,105105
105114,105115,105116,105117,105118,105119,105120,105121,105122,105123,105124,105125
106108,106109,106110,106111,106112,106113,106114,106115,106116,106117,106118,106119
107102,107103,107104,107105,107106,107107,107108,107109,107110,107111,107112,107113
107122,107123,107124,107125,107126,107127,108102,108103,108104,108105,108106,108107
108116,108117,108118,108119,108120,108121,108122,108123,108124,108125,108126,108127
109110,109111,109112,109113,109114,109115,109116,109117,109118,109119,109120,109121
110104,110105,110106,110107,110108,110109,110110,110111,110112,110113,110114,110115
110124,110125,110126,110127,111102,111103,111104,111105,111106,111107,111108,111109
111118,111119,111120,111121,111122,111123,111124,111125,111126,111127,112102,112103
112112,112113,112114,112115,112116,112117,112118,112119,112120,112121,112122,112123
113106,113107,113108,113109,113110,113111,113112,113113,113114,113115,113116,113117
113126,113127,114102,114103,114104,114105,114106,114107,114108,114109,114110,114111
114120,114121,114122,114123,114124,114125,114126,114127,115102,115103,115104,115105
115114,115115,115116,115117,115118,115119,115120,115121,115122,115123,115124,115125
116108,116109,116110,116111,116112,116113,116114,116115,116116,116117,116118,116119
117102,117103,117104,117105,117106,117107,117108,117109,117110,117111,117112,117113
117122,117123,117124,117125,117126,117127,118102,118103,118104,118105,118106,118107
118116,118117,118118,118119,118120,118121,118122,118123,118124,118125,118126,118127

07_deck_dia_plates_new_alp.lar

9/6/2018

119110,119111,119112,119113,119114,119115,119116,119117,119118,119119,119120,119121
120104,120105,120106,120107,120108,120109,120110,120111,120112,120113,120114,120115
120124,120125,120126,120127,121102,121103,121104,121105,121106,121107,121108,121109
121118,121119,121120,121121,121122,121123,121124,121125,121126,121127,122102,122103
122112,122113,122114,122115,122116,122117,122118,122119,122120,122121,122122,122123
123106,123107,123108,123109,123110,123111,123112,123113,123114,123115,123116,123117
123126,123127,124102,124103,124104,124105,124106,124107,124108,124109,124110,124111
124120,124121,124122,124123,124124,124125,124126,124127,125102,125103,125104,125105
125114,125115,125116,125117,125118,125119,125120,125121,125122,125123,125124,125125
126108,126109,126110,126111,126112,126113,126114,126115,126116,126117,126118,126119
127102,127103,127104,127105,127106,127107,127108,127109,127110,127111,127112,127113
127122,127123,127124,127125,127126,127127,128102,128103,128104,128105,128106,128107
128116,128117,128118,128119,128120,128121,128122,128123,128124,128125,128126,128127
129110,129111,129112,129113,129114,129115,129116,129117,129118,129119,129120,129121
130104,130105,130106,130107,130108,130109,130110,130111,130112,130113,130114,130115
130124,130125,130126,130127,131102,131103,131104,131105,131106,131107,131108,131109
131118,131119,131120,131121,131122,131123,131124,131125,131126,131127,132102,132103
132112,132113,132114,132115,132116,132117,132118,132119,132120,132121,132122,132123
133106,133107,133108,133109,133110,133111,133112,133113,133114,133115,133116,133117
133126,133127,134102,134103,134104,134105,134106,134107,134108,134109,134110,134111
134120,134121,134122,134123,134124,134125,134126,134127,135102,135103,135104,135105
135114,135115,135116,135117,135118,135119,135120,135121,135122,135123,135124,135125
136108,136109,136110,136111,136112,136113,136114,136115,136116,136117,136118,136119

07_deck_dia_plates_new_alp.lar

9/6/2018

137102,137103,137104,137105,137106,137107,137108,137109,137110,137111,137112,137113
137122,137123,137124,137125,137126,137127,138102,138103,138104,138105,138106,138107
138116,138117,138118,138119,138120,138121,138122,138123,138124,138125,138126,138127
139110,139111,139112,139113,139114,139115,139116,139117,139118,139119,139120,139121

27

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20
21,22,23,24,25,26,27

0

2, "Diaphragm", 0, #FALSE#, -1

81

101206,101207,101208,101209,101210,101211,101212,101213,101215,101216,101217,101218
101310,101311,101312,101313,101315,101316,101317,101318,101319,101320,101321,101322
101414,101415,101416,101417,101418,101419,101420,101421,101422,101506,101507,101508
101517,101518,101519,101520,101521,101522,101607,101608,101609,101610,101611,101612
101621

0

74

101207,101208,101209,101210,101211,101212,101213,101216,101217,101218,101219,101220
101313,101316,101317,101318,101319,101320,101321,101322,101407,101408,101409,101410
101421,101422,101507,101508,101509,101510,101511,101512,101513,101514,101515,101516
101609,101610,101611,101612,101613,101614,101615,101616,101617,101618,101619,101620

0

0

3, "Mid region", 0, #FALSE#, -1

39

100113,100115,101113,101114,101115,102113,102114,102115,103113,103114,103115,104113
107113,107114,107115,108113,108114,108115,101213,101215,101313,101315,101413,101414

0

18

101114,101115,102114,102115,103114,103115,104114,104115,105114,105115,106114,106115

0

0

9/6/2018

07_deck_dia_plates_new_alp.lar

END GEO-GROUPS

BEGIN PRIMARY LOAD CASES

FORMAT: CASEID, NAME, TYPE, STATUS, SCALE, WEIGHTFACTORX, WEIGHTFACTORY, WEIGHTFACTORZ

6 Records

1, "Self weight", 0, 1, 1, 0, 0, 0, -1
BEGIN NEXT PRIMARY LOAD CASE

2, "Dead load curbs", 0, 1, 1, 0, 0, 0, 0
BEGIN JOINT LOADS

FORMAT: JOINTID, FX, FY, FZ, MX, MY, MZ

82 Records

100101, 0, 0, -.036, 0, 0, 0
101101, 0, 0, -.072, 0, 0, 0
102101, 0, 0, -.072, 0, 0, 0
103101, 0, 0, -.072, 0, 0, 0
104101, 0, 0, -.072, 0, 0, 0
105101, 0, 0, -.072, 0, 0, 0
106101, 0, 0, -.072, 0, 0, 0
107101, 0, 0, -.072, 0, 0, 0
108101, 0, 0, -.072, 0, 0, 0
109101, 0, 0, -.072, 0, 0, 0
110101, 0, 0, -.072, 0, 0, 0
111101, 0, 0, -.072, 0, 0, 0
112101, 0, 0, -.072, 0, 0, 0
113101, 0, 0, -.072, 0, 0, 0
114101, 0, 0, -.072, 0, 0, 0
115101, 0, 0, -.072, 0, 0, 0
116101, 0, 0, -.072, 0, 0, 0
117101, 0, 0, -.072, 0, 0, 0
118101, 0, 0, -.072, 0, 0, 0
119101, 0, 0, -.072, 0, 0, 0
120101, 0, 0, -.072, 0, 0, 0
121101, 0, 0, -.072, 0, 0, 0
122101, 0, 0, -.072, 0, 0, 0
123101, 0, 0, -.072, 0, 0, 0
124101, 0, 0, -.072, 0, 0, 0
125101, 0, 0, -.072, 0, 0, 0
126101, 0, 0, -.072, 0, 0, 0
127101, 0, 0, -.072, 0, 0, 0
128101, 0, 0, -.072, 0, 0, 0
129101, 0, 0, -.072, 0, 0, 0
130101, 0, 0, -.072, 0, 0, 0
131101, 0, 0, -.072, 0, 0, 0
132101, 0, 0, -.072, 0, 0, 0
133101, 0, 0, -.072, 0, 0, 0

07_deck_dia_plates_new_alp.lar

9/6/2018

134101,0,0,-.072,0,0,0
135101,0,0,-.072,0,0,0
136101,0,0,-.072,0,0,0
137101,0,0,-.072,0,0,0
138101,0,0,-.072,0,0,0
139101,0,0,-.072,0,0,0
140101,0,0,-.036,0,0,0
100127,0,0,-.036,0,0,0
101127,0,0,-.072,0,0,0
102127,0,0,-.072,0,0,0
103127,0,0,-.072,0,0,0
104127,0,0,-.072,0,0,0
105127,0,0,-.072,0,0,0
106127,0,0,-.072,0,0,0
107127,0,0,-.072,0,0,0
108127,0,0,-.072,0,0,0
109127,0,0,-.072,0,0,0
110127,0,0,-.072,0,0,0
111127,0,0,-.072,0,0,0
112127,0,0,-.072,0,0,0
113127,0,0,-.072,0,0,0
114127,0,0,-.072,0,0,0
115127,0,0,-.072,0,0,0
116127,0,0,-.072,0,0,0
117127,0,0,-.072,0,0,0
118127,0,0,-.072,0,0,0
119127,0,0,-.072,0,0,0
120127,0,0,-.072,0,0,0
121127,0,0,-.072,0,0,0
122127,0,0,-.072,0,0,0
123127,0,0,-.072,0,0,0
124127,0,0,-.072,0,0,0
125127,0,0,-.072,0,0,0
126127,0,0,-.072,0,0,0
127127,0,0,-.072,0,0,0
128127,0,0,-.072,0,0,0
129127,0,0,-.072,0,0,0
130127,0,0,-.072,0,0,0
131127,0,0,-.072,0,0,0
132127,0,0,-.072,0,0,0
133127,0,0,-.072,0,0,0
134127,0,0,-.072,0,0,0
135127,0,0,-.072,0,0,0
136127,0,0,-.072,0,0,0
137127,0,0,-.072,0,0,0
138127,0,0,-.072,0,0,0

9/6/2018

07_deck_dia_plates_new_alp.lar

```
      139127,0,0,-.072,0,0,0
      140127,0,0,-.036,0,0,0
END JOINT LOADS

BEGIN NEXT PRIMARY LOAD CASE

3,"Deck PT longitudinal",0,1,1,0,0,0,0
BEGIN JOINT LOADS
FORMAT: JOINTID, FX, FY, FZ, MX, MY, MZ
12 Records
      100107,807,0,0,0,0,0
      100108,807,0,0,0,0,0
      100109,807,0,0,0,0,0
      100110,807,0,0,0,0,0
      100111,807,0,0,0,0,0
      100112,509,0,0,0,0,0
      100116,509,0,0,0,0,0
      100117,807,0,0,0,0,0
      100118,807,0,0,0,0,0
      100119,807,0,0,0,0,0
      100120,807,0,0,0,0,0
      100121,807,0,0,0,0,0
END JOINT LOADS

BEGIN NEXT PRIMARY LOAD CASE

4,"Deck PT transverse",0,1,1,0,0,0,0
BEGIN JOINT LOADS
FORMAT: JOINTID, FX, FY, FZ, MX, MY, MZ
111 Records
      104101,0,-59.73,-1.19,1.85,0,0
      105101,0,-59.73,-1.19,1.85,0,0
      106101,0,-59.73,-1.19,1.85,0,0
      107101,0,-59.73,-1.19,1.85,0,0
      108101,0,-59.73,-1.19,1.85,0,0
      109101,0,-59.73,-1.19,1.85,0,0
      110101,0,-59.73,-1.19,1.85,0,0
      111101,0,-59.73,-1.19,1.85,0,0
      112101,0,-59.73,-1.19,1.85,0,0
      113101,0,-59.73,-1.19,1.85,0,0
      114101,0,-59.73,-1.19,1.85,0,0
      115101,0,-59.73,-1.19,1.85,0,0
      116101,0,-59.73,-1.19,1.85,0,0
      117101,0,-59.73,-1.19,1.85,0,0
      118101,0,-59.73,-1.19,1.85,0,0
      119101,0,-59.73,-1.19,1.85,0,0
```

07_deck_dia_plates_new_alp.lar

9/6/2018

120101,0,-59.73,-1.19,1.85,0,0
121101,0,-59.73,-1.19,1.85,0,0
122101,0,-59.73,-1.19,1.85,0,0
123101,0,-59.73,-1.19,1.85,0,0
124101,0,-59.73,-1.19,1.85,0,0
125101,0,-59.73,-1.19,1.85,0,0
126101,0,-59.73,-1.19,1.85,0,0
127101,0,-59.73,-1.19,1.85,0,0
128101,0,-59.73,-1.19,1.85,0,0
129101,0,-59.73,-1.19,1.85,0,0
130101,0,-59.73,-1.19,1.85,0,0
131101,0,-59.73,-1.19,1.85,0,0
132101,0,-59.73,-1.19,1.85,0,0
133101,0,-59.73,-1.19,1.85,0,0
134101,0,-59.73,-1.19,1.85,0,0
135101,0,-59.73,-1.19,1.85,0,0
136101,0,-59.73,-1.19,1.85,0,0
137101,0,-59.73,-1.19,1.85,0,0
138101,0,-59.73,-1.19,1.85,0,0
139101,0,-59.73,-1.19,1.85,0,0
140101,0,-59.73,-1.19,1.85,0,0
104127,0,59.73,-1.19,-1.85,0,0
105127,0,59.73,-1.19,-1.85,0,0
106127,0,59.73,-1.19,-1.85,0,0
107127,0,59.73,-1.19,-1.85,0,0
108127,0,59.73,-1.19,-1.85,0,0
109127,0,59.73,-1.19,-1.85,0,0
110127,0,59.73,-1.19,-1.85,0,0
111127,0,59.73,-1.19,-1.85,0,0
112127,0,59.73,-1.19,-1.85,0,0
113127,0,59.73,-1.19,-1.85,0,0
114127,0,59.73,-1.19,-1.85,0,0
115127,0,59.73,-1.19,-1.85,0,0
116127,0,59.73,-1.19,-1.85,0,0
117127,0,59.73,-1.19,-1.85,0,0
118127,0,59.73,-1.19,-1.85,0,0
119127,0,59.73,-1.19,-1.85,0,0
120127,0,59.73,-1.19,-1.85,0,0
121127,0,59.73,-1.19,-1.85,0,0
122127,0,59.73,-1.19,-1.85,0,0
123127,0,59.73,-1.19,-1.85,0,0
124127,0,59.73,-1.19,-1.85,0,0
125127,0,59.73,-1.19,-1.85,0,0
126127,0,59.73,-1.19,-1.85,0,0
127127,0,59.73,-1.19,-1.85,0,0
128127,0,59.73,-1.19,-1.85,0,0

07_deck_dia_plates_new_alp.lar

9/6/2018

129127,0,59.73,-1.19,-1.85,0,0
130127,0,59.73,-1.19,-1.85,0,0
131127,0,59.73,-1.19,-1.85,0,0
132127,0,59.73,-1.19,-1.85,0,0
133127,0,59.73,-1.19,-1.85,0,0
134127,0,59.73,-1.19,-1.85,0,0
135127,0,59.73,-1.19,-1.85,0,0
136127,0,59.73,-1.19,-1.85,0,0
137127,0,59.73,-1.19,-1.85,0,0
138127,0,59.73,-1.19,-1.85,0,0
139127,0,59.73,-1.19,-1.85,0,0
140127,0,59.73,-1.19,-1.85,0,0
104114,0,0,2.38,0,0,0
105114,0,0,2.38,0,0,0
106114,0,0,2.38,0,0,0
107114,0,0,2.38,0,0,0
108114,0,0,2.38,0,0,0
109114,0,0,2.38,0,0,0
110114,0,0,2.38,0,0,0
111114,0,0,2.38,0,0,0
112114,0,0,2.38,0,0,0
113114,0,0,2.38,0,0,0
114114,0,0,2.38,0,0,0
115114,0,0,2.38,0,0,0
116114,0,0,2.38,0,0,0
117114,0,0,2.38,0,0,0
118114,0,0,2.38,0,0,0
119114,0,0,2.38,0,0,0
120114,0,0,2.38,0,0,0
121114,0,0,2.38,0,0,0
122114,0,0,2.38,0,0,0
123114,0,0,2.38,0,0,0
124114,0,0,2.38,0,0,0
125114,0,0,2.38,0,0,0
126114,0,0,2.38,0,0,0
127114,0,0,2.38,0,0,0
128114,0,0,2.38,0,0,0
129114,0,0,2.38,0,0,0
130114,0,0,2.38,0,0,0
131114,0,0,2.38,0,0,0
132114,0,0,2.38,0,0,0
133114,0,0,2.38,0,0,0
134114,0,0,2.38,0,0,0
135114,0,0,2.38,0,0,0
136114,0,0,2.38,0,0,0
137114,0,0,2.38,0,0,0

9/6/2018

07_deck_dia_plates_new_alp.lar

```
138114,0,0,2.38,0,0,0
139114,0,0,2.38,0,0,0
140114,0,0,2.38,0,0,0
END JOINT LOADS

BEGIN NEXT PRIMARY LOAD CASE

5,"Deck struts longitudinal",0,1,1,0,0,0,0
BEGIN JOINT LOADS
FORMAT: JOINTID, FX, FY, FZ, MX, MY, MZ
20 Records
100113,-25,0,0,0,0,0
101113,-50,0,0,0,0,0
102113,-50,0,0,0,0,0
103113,-50,0,0,0,0,0
104113,-50,0,0,0,0,0
105113,-50,0,0,0,0,0
106113,-25,0,0,0,0,0
101114,-100,0,0,0,0,0
102114,-100,0,0,0,0,0
103114,-100,0,0,0,0,0
104114,-100,0,0,0,0,0
105114,-100,0,0,0,0,0
106114,-50,0,0,0,0,0
100115,-25,0,0,0,0,0
101115,-50,0,0,0,0,0
102115,-50,0,0,0,0,0
103115,-50,0,0,0,0,0
104115,-50,0,0,0,0,0
105115,-50,0,0,0,0,0
106115,-25,0,0,0,0,0
END JOINT LOADS

BEGIN NEXT PRIMARY LOAD CASE

6,"Deck struts vertical",0,1,1,0,0,0,0
BEGIN JOINT LOADS
FORMAT: JOINTID, FX, FY, FZ, MX, MY, MZ
20 Records
100113,0,0,-16.292,0,0,0
101113,0,0,-32.583,0,0,0
102113,0,0,-32.583,0,0,0
103113,0,0,-32.583,0,0,0
104113,0,0,-32.583,0,0,0
105113,0,0,-32.583,0,0,0
106113,0,0,-16.292,0,0,0
```

9/6/2018

07_deck_dia_plates_new_alp.lar

```
101114,0,0,-65.167,0,0,0
102114,0,0,-65.167,0,0,0
103114,0,0,-65.168,0,0,0
104114,0,0,-65.167,0,0,0
105114,0,0,-65.167,0,0,0
106114,0,0,-32.583,0,0,0
100115,0,0,-16.292,0,0,0
101115,0,0,-32.583,0,0,0
102115,0,0,-32.583,0,0,0
103115,0,0,-32.583,0,0,0
104115,0,0,-32.583,0,0,0
105115,0,0,-32.583,0,0,0
106115,0,0,-16.292,0,0,0
```

END JOINT LOADS

BEGIN NEXT PRIMARY LOAD CASE

END PRIMARY LOAD CASES

BEGIN COMBINATION LOAD CASES

FORMAT: NUMBER, NAME, TYPE, STATUS, SCALE, FACTOR, LOAD CASE LIST

4 Records

```
1,"Dead load deck & diaphragm",0,1,2,1,1,2,1
2,"Full vertical dead load",0,1,3,1,1,2,1,6,1
3,"Full dead load",0,1,4,1,1,2,1,6,1,5,1
4,"All loadings",0,1,6,1,1,2,1,6,1,5,1,3,1,4,1
```

END COMBINATION LOAD CASES