October 28, 2025

City of West Sacramento
Building Division
1110 West Capitol Ave.
West Sacramento, CA 95691
via: buildingpermits@cityofwestsacramento.org

RE: 14 Conex Containers & Shelter Canopies at 4300 Capitol Ave
Plan Check No. 25-05-080E
Update With Added Responses to Structural Comments

To Building Division,

This is an update to prior responses dated September 24th and 26th, 2025 for the above referenced project.

Attached are stamped structural calculations for the connexes with canopies prepared by DOTec Corp., Ali Elawadi, in response to comments S-3, S6-C and S6-D.

Please feel free to call or email should you have questions or require additional information.

Sincerely,



William Haynes, AIA
Principal Architect
Haynes Studio Architects
C-41361

att:

Structural Calculations (244 pages)
Conex Shop Drawings (16 pages)

HAYNES STUDIO ARCHITECTS

www.haynes-arch.com
60 BEARTOOTH VISTA ROAD
884 GRAPHITE LANE
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WEST SACRAMENTO, CA 95691
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bill@haynes-arch.com

DOTec Corp.

Customized Engineering Solutions

STRUCTURAL CALCULATIONS

OF

Conexwest Shipping Containers

PROJECT NO.:	B2510092_000
CLIENT:	

BILLING ADDRESS:

ADDRESS:	17100 S Harlan RD.
CITY:	Lathrop
STATE:	CA
ZIP:	95330
COUNTRY:	USA

CLIENT CONTACT INFO

CONTACT:	Greg Miner
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FAX:	_____
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E-MAIL:	greg.miner@conexwest.com

SITE ADDRESS:

ADDRESS:	-	SEAL:
CITY:	**Sacramento**	B2510092 LICENSED PROFESSIONAL ENGINEER Ali Elawadi C 97815 CIVIL STATE OF CALIFORNIA 10/15/2025
STATE:	**CA**	
ZIP:	-	
CONFIRM ZIP:	-	
COUNTRY:	USA	

REVISION HISTORY

#	DATE	DESCRIPTION	PREPARED BY	CHECKED BY
01	08/15/2025	First Submittal	MMH	AAL
02				
03				

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424 Jefferson St., St. Charles, MO 63301. Phone: (636) 724-9872

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7 STRUCTURE ANALYSIS

A 8X20 CONTAINER

B 8X40 CONTAINER

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1 PROJECT OVERVIEW

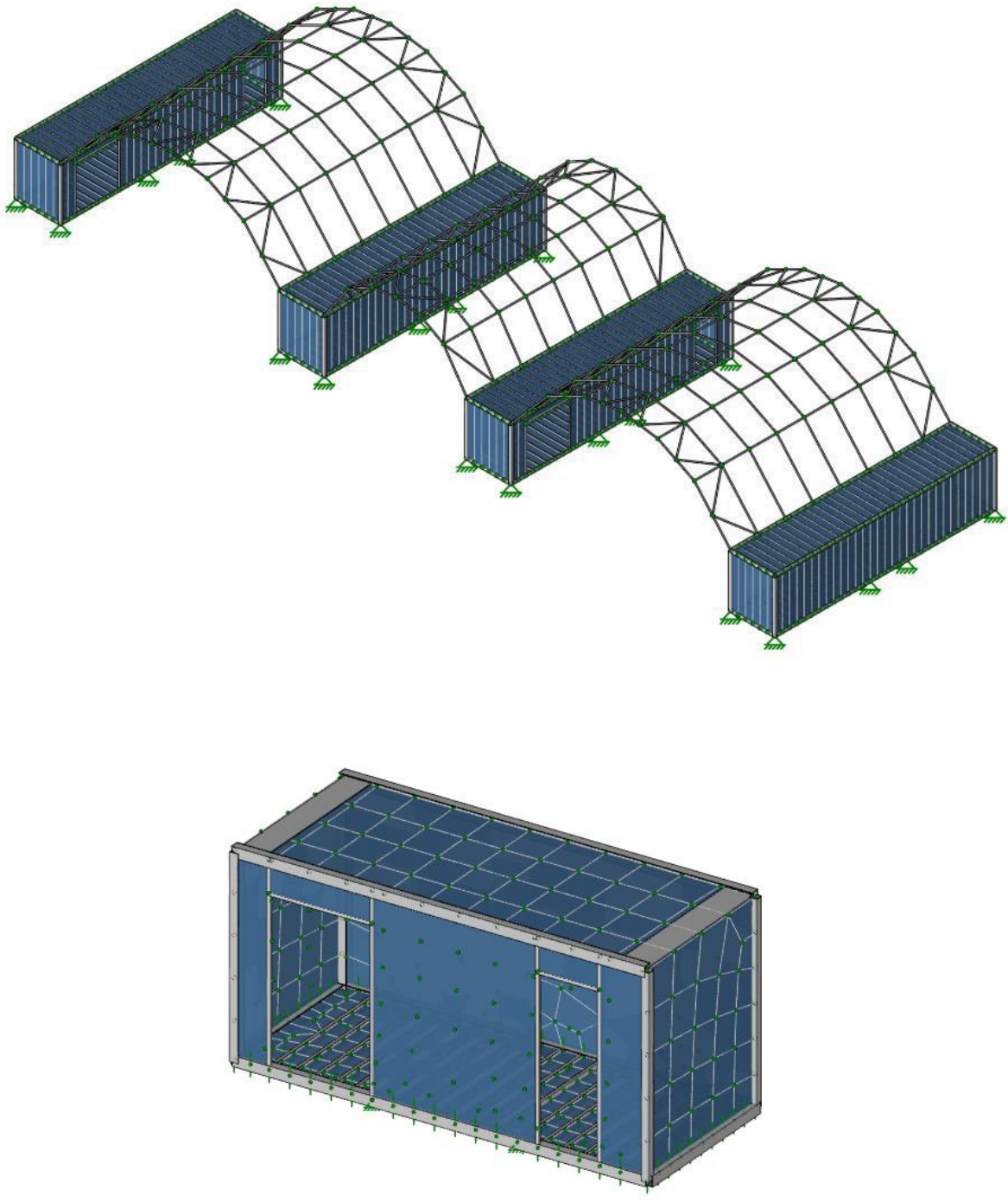

Figure-1: 3D views of the structure

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2 INTRODUCTION

The purpose of this report is to present the structural analysis and design check for four proposed containers (2 TYPES: 20X8 & 40X8), expected loads, and combinations to ensure that this project is safe under all load combinations according to the standard.

3 STANDARDS AND CODES

- The adopted standards in this document are listed as follows:

Code	Description
ASCE 7-22	American Society of Civil Engineering
CBC 2022	California Building Code
AISC 360-16	Specification for Structural Steel Buildings

4 MATERIAL PROPERTIES

Structural Aluminum	
Rolled shapes and plates	ASTM 500

5 STRUCTURAL ANALYSIS CRITERIA

The analysis of the steel system was conducted using RISA 3D Software Package to determine the internal straining actions in structural members and reactions of the structure.

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6 LOAD CALCULATION

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LOAD CALCULATION

Dead Load:

$DL_R := 3\ psf$ Considered Roof Dead Load

$DL_F := 10\ psf$ Considered Floor Dead Load

Own Weight is Calculated Using the RISA 3D Program

Considered Canopies Dead Load as the following:

Model		Weight lbs
Small Canopy	26x20x10	
262CA	Inches	1100
Large Canopy	40x40x13	
44SCA	Inches	2575

Live Load:

$LL_R := 12\ psf$ Considered Roof Live Load

$LL_F := 312.50\ psf$ Considered Floor Live Load

$LL_R := 5\ psf$ Considered Roof Live Load for the canopies

Snow Load:

$P_g := 6\ psf$ — Ground snow load

$s := \frac{0}{12}$ — Roof slope

$\theta := \operatorname{atan}(s) = 0\ deg$ — Roof Angle

$\gamma := 0.13 \cdot \frac{P_g}{ft} + 14 \cdot \frac{lbf}{ft^3} = 14.78\ \frac{lbf}{ft^3}$ — Density of snow <=30 pcf, ASCE 7-22; Section 7.7.1

$C_e := 1.0$ — Snow exposure factor, (Table 7.3-1; ASCE 7-22)

$C_t := 1.2$ — Thermal factor, (Table 7-3-2; ASCE 7-22)

$C_s := 1.0$ — Roof Slope factor, (Figure 7.4-1; ASCE 7-22)

$I_s := 1.0$ — Importance factor, (Table 1.5-2; ASCE 7-22) (For Risk II)

Flat Roof Snow Load

$P_f := 0.7 \cdot C_e \cdot C_t \cdot I_s \cdot P_g = 5.04\ psf$ — Equation: 7.3-1, ASCE 7-22

Sloped Roof Snow Load

$P_s := C_s \cdot P_f = 5.04\ psf$ — Equation: 7.4-1; ASCE 7-22

Table 1.5-2 Importance Factors by Risk Category of Buildings and Other Structures for Snow, Ice, and Earthquake Loads

Risk Category from Table 1.5-1	Snow Importance Factor, I_s	Ice Importance Factor—Thickness, I_i	Ice Importance Factor—Wind, I_w	Seismic Importance Factor, I_e
I	0.80	0.80	1.00	1.00
II	1.00	1.00	1.00	1.00
III	1.10	1.15	1.00	1.25
IV	1.20	1.25	1.00	1.50

Table 7.3-1 Exposure Factor, C_e

Surface Roughness Category	Exposure of Roof[a]		
	Fully Exposed	Partially Exposed	Sheltered
B (see Section 26.7)	0.9	1.0	1.2
C (see Section 26.7)	0.9	1.0	1.1
D (see Section 26.7)	0.8	0.9	1.0
Above the tree line in windswept mountainous areas	0.7	0.8	NA
In Alaska, in areas where trees do not exist within a 2-mi (3-km) radius of the site	0.7	0.8	NA

Table 7.3-2 Thermal Factor, C_t

Thermal Condition[a]	C_t
All structures except as indicated below	1.0
Structures kept just above freezing and others with cold, ventilated roofs in which the thermal resistance (R-value) between the ventilated space and the heated space exceeds $25°F \times h \times ft^2/Btu$ ($4.4\ K \times m^2/W$)	1.1
Unheated and open air structures	1.2
Freezer building	1.3
Continuously heated greenhouses[b] with a roof having a thermal resistance (R-value) less than $2.0°F \times h \times ft^2/Btu$ ($0.4\ K \times m^2/W$)	0.85

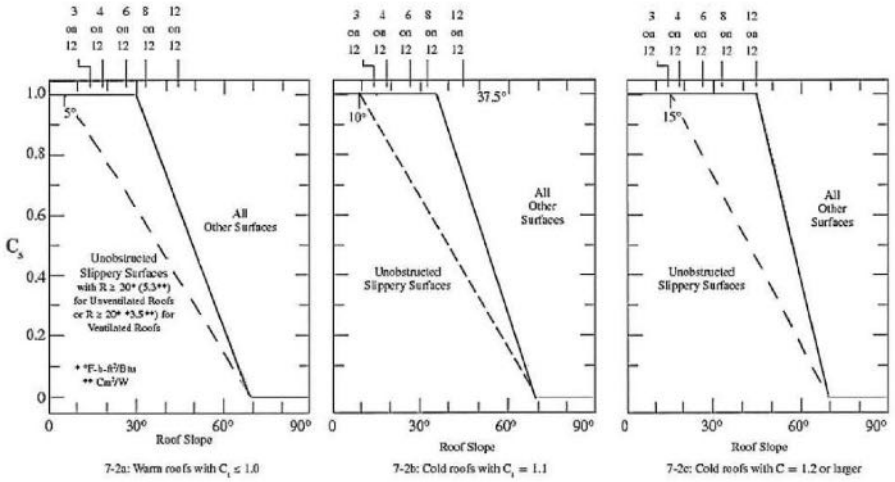


FIGURE 7.4-1 Graphs for Determining Roof Slope Factor, C_s, for Warm and Cold Roofs (See Table 7.3-2 for C_t Definitions)

Wind Load:
For Containers:

Wind Normal to Ridge

Wind Exposure: C

$V_{ult} := 93\ mph$

$V := V_{ult} = 93\ mph$ Wind Speed

$B := 40\ ft$ Horizontal dimension of building, (**measured normal to wind direction**)

$L := 8\ ft$ Horizontal dimension of building, (**measured parallel to wind direction**)

$h := 9.50\ ft$ **Mean roof height**, except that eave height shall be used for $\theta \leq 10$ degrees

$K_e := 1$ Ground elevation factor (Table 26.9-1 of ASCE 7-22)

$K_z := 0.85$ Velocity Pressure Exposure Coefficient (Table 26.10-1 of ASCE 7-22)

$K_{zt} := 1$ Topographic Factor (Section 26.8.1 of ASCE 7-22)

$K_d := 0.85$ Wind Directionality Factor (Table 26.6-1 of ASCE 7-22)

$G := 0.85$ Gust factor (Section 26.11.1 of ASCE 7-22)

$GC_{pi\_P} := 0.55$ Internal pressure coefficient (Positive); Table 26.13-1 of ASCE 7-22

$GC_{pi\_N} := -0.55$ Internal pressure coefficient (Negative); Table 26.13-1 of ASCE 7-22

$$q_z := 0.00256 \frac{psf}{mph^2} \cdot K_z \cdot K_{zt} \cdot K_d \cdot K_e \cdot V^2 = 16\ psf$$

$\frac{L}{B} = 0.2$ $\frac{h}{L} = 1.19$ $\theta := \operatorname{atan}\left(\frac{0}{15 \cdot 12}\right) = 0\ deg$

External pressure coefficient (Cp)

$$\begin{bmatrix} C_{p\_WW\_Wall} \\ C_{p\_LW\_Wall} \\ C_{p\_SideWall} \\ C_{p\_WW\_Roof\_1} \\ C_{p\_WW\_Roof\_2} \end{bmatrix} := \begin{bmatrix} 0.8 \\ -0.5 \\ -0.7 \\ -1.3 \\ -0.18 \end{bmatrix}$$

ASCE 7-22 (Figure 27.3-1)

$$\begin{bmatrix} P_{WW\_Wall\_1} \\ P_{LW\_Wall\_1} \\ P_{SideWall\_1} \\ P_{WW\_Roof\_1} \end{bmatrix} := q_z \cdot \left(\begin{bmatrix} C_{p\_WW\_Wall} \\ C_{p\_LW\_Wall} \\ C_{p\_SideWall} \\ C_{p\_WW\_Roof\_1} \end{bmatrix} \cdot G - GC_{pi\_P} \right) = \begin{bmatrix} 2.08 \\ -15.6 \\ -18.32 \\ -26.48 \end{bmatrix} \ psf$$

$$\begin{bmatrix} P_{WW\_Wall\_2} \\ P_{LW\_Wall\_2} \\ P_{SideWall\_2} \\ P_{WW\_Roof\_2} \end{bmatrix} := q_z \cdot \left(\begin{bmatrix} C_{p\_WW\_Wall} \\ C_{p\_LW\_Wall} \\ C_{p\_SideWall} \\ C_{p\_WW\_Roof\_2} \end{bmatrix} \cdot G - GC_{pi\_P} \right) = \begin{bmatrix} 2.08 \\ -15.6 \\ -18.32 \\ -11.25 \end{bmatrix} \ psf$$

$$\begin{bmatrix} P_{WW\_Wall\_3} \\ P_{LW\_Wall\_3} \\ P_{SideWall\_3} \\ P_{WW\_Roof\_3} \end{bmatrix} := q_z \cdot \left(\begin{bmatrix} C_{p\_WW\_Wall} \\ C_{p\_LW\_Wall} \\ C_{p\_SideWall} \\ C_{p\_WW\_Roof\_1} \end{bmatrix} \cdot G - GC_{pi\_N} \right) = \begin{bmatrix} 19.68 \\ 2 \\ -0.72 \\ -8.88 \end{bmatrix} \ psf$$

$$\begin{bmatrix} P_{WW\_Wall\_4} \\ P_{LW\_Wall\_4} \\ P_{SideWall\_4} \\ P_{WW\_Roof\_4} \end{bmatrix} := q_z \cdot \left(\begin{bmatrix} C_{p\_WW\_Wall} \\ C_{p\_LW\_Wall} \\ C_{p\_SideWall} \\ C_{p\_WW\_Roof\_2} \end{bmatrix} \cdot G - GC_{pi\_N} \right) = \begin{bmatrix} 19.68 \\ 2 \\ -0.72 \\ 6.35 \end{bmatrix} \ psf$$

Wall Pressure Coefficients, C_p

Surface	L/B	C_p	Use With
Windward wall	All values	0.8	q_z
Leeward wall	0–1	−0.5	q_h
	2	−0.3	q_h
	≥4	−0.2	q_h
Sidewall	All values	−0.7	q_h

Roof Pressure Coefficients, C_p, for use with q_h

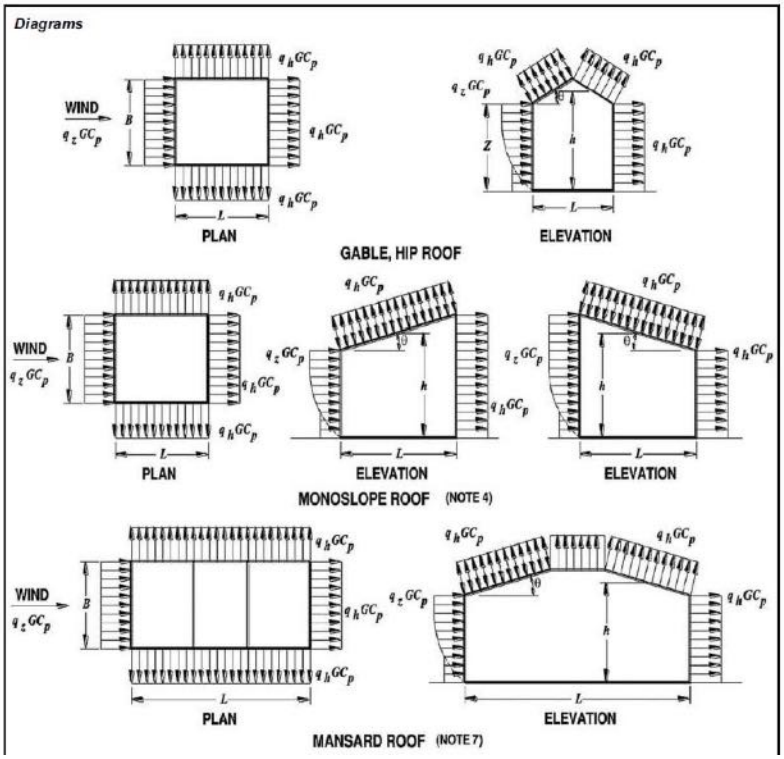
Wind Direction	h/L	Windward Angle, θ (degrees) 10	15	20	25	30	35	45	≥60[c]	Leeward Angle, θ (degrees) 10	15	≥20
Normal to Ridge for θ ≥ 10°	≤0.25	−0.7	−0.5	−0.3	−0.2	−0.2	0.0[a]					
		−0.18	0.0[a]	0.2	0.3	0.3	0.4	0.4	0.01 θ	−0.3	−0.5	−0.6
	0.5	−0.9	−0.7	−0.4	−0.3	−0.2	−0.2	0.0[a]				
		−0.18	−0.18	0.0[a]	0.2	0.2	0.3	0.4	0.01 θ	−0.5	−0.5	−0.6
	≥1.0	−1.3[b]	−1.0	−0.7	−0.5	−0.3	−0.2	0.0[a]				
		−0.18	−0.18	−0.18	0.0[a]	0.2	0.2	0.3	0.01 θ	−0.7	−0.6	−0.6

Wind Direction	h/L	Horizontal Distance from Windward Edge	C_p
Normal to Ridge for θ < 10° and Parallel to Ridge for All θ	≤0.5	0 to $h/2$	−0.9, −0.18
		$h/2$ to h	−0.9, −0.18
		h to $2h$	−0.5, −0.18
		$>2h$	−0.3, −0.18
	≥1.0	0 to $h/2$	−1.3[b], −0.18
		$>h/2$	−0.7, −0.18

[a]Value is provided for interpolation purposes.
[b]Value can be reduced linearly with area over which it is applicable as follows:
[c]For roof slopes greater than 80°, use $C_p = 0.8$.

Area, ft²	Area, m²	Reduction Factor
≤100	≤9.3	1.0
250	23.2	0.9
≥1,000	≥92.9	0.8

Diagrams



Wind Parallel to Ridge

Wind Exposure: C

$V_{ult} := 93\ mph$

$V := V_{ult} = 93\ mph$ Wind Speed

$B := 8\ ft$ Horizontal dimension of building, (**measured normal to wind direction**)

$L := 40\ ft$ Horizontal dimension of building, (**measured parallel to wind direction**)

$h := 9.50\ ft$ **Mean roof height**, except that eave height shall be used for $\theta \leq 10$ degrees

$K_e := 1$ Ground elevation factor (Table 26.9-1 of ASCE 7-22)

$K_z := 0.85$ Velocity Pressure Exposure Coefficient (Table 26.10-1 of ASCE 7-22)

$K_{zt} := 1$ Topographic Factor (Section 26.8.1 of ASCE 7-22)

$K_d := 0.85$ Wind Directionality Factor (Table 26.6-1 of ASCE 7-22)

$G := 0.85$ Gust factor (Section 26.11.1 of ASCE 7-22)

$GC_{pi\_P} := 0.55$ Internal pressure coefficient (Positive); Table 26.13-1 of ASCE 7-22

$GC_{pi\_N} := -0.55$ Internal pressure coefficient (Negative); Table 26.13-1 of ASCE 7-22

$$q_z := 0.00256 \frac{psf}{mph^2} \cdot K_z \cdot K_{zt} \cdot K_d \cdot K_e \cdot V^2 = 16\ psf$$

$$\frac{L}{B} = 5 \qquad \frac{h}{L} = 0.24$$

External pressure coefficient (Cp)

$$\begin{bmatrix} C_{p\_WW\_Wall} \\ C_{p\_LW\_Wall} \\ C_{p\_SideWall} \\ C_{p\_WW\_Roof\_1} \\ C_{p\_WW\_Roof\_2} \end{bmatrix} := \begin{bmatrix} 0.8 \\ -0.5 \\ -0.7 \\ -0.9 \\ -0.18 \end{bmatrix}$$

ASCE 7-22 (Figure 27.3-1)

$$\begin{bmatrix} P_{WW\_Wall\_1} \\ P_{LW\_Wall\_1} \\ P_{SideWall\_1} \\ P_{WW\_Roof\_1} \end{bmatrix} := q_z \cdot \left(\begin{bmatrix} C_{p\_WW\_Wall} \\ C_{p\_LW\_Wall} \\ C_{p\_SideWall} \\ C_{p\_WW\_Roof\_1} \end{bmatrix} \cdot G - GC_{pi\_P} \right) = \begin{bmatrix} 2.08 \\ -15.6 \\ -18.32 \\ -21.04 \end{bmatrix} \ psf$$

$$\begin{bmatrix} P_{WW\_Wall\_2} \\ P_{LW\_Wall\_2} \\ P_{SideWall\_2} \\ P_{WW\_Roof\_2} \end{bmatrix} := q_z \cdot \left(\begin{bmatrix} C_{p\_WW\_Wall} \\ C_{p\_LW\_Wall} \\ C_{p\_SideWall} \\ C_{p\_WW\_Roof\_2} \end{bmatrix} \cdot G - GC_{pi\_P} \right) = \begin{bmatrix} 2.08 \\ -15.6 \\ -18.32 \\ -11.25 \end{bmatrix} \ psf$$

$$\begin{bmatrix} P_{WW\_Wall\_3} \\ P_{LW\_Wall\_3} \\ P_{SideWall\_3} \\ P_{WW\_Roof\_3} \end{bmatrix} := q_z \cdot \left(\begin{bmatrix} C_{p\_WW\_Wall} \\ C_{p\_LW\_Wall} \\ C_{p\_SideWall} \\ C_{p\_WW\_Roof\_1} \end{bmatrix} \cdot G - GC_{pi\_N} \right) = \begin{bmatrix} 19.68 \\ 2 \\ -0.72 \\ -3.44 \end{bmatrix} \ psf$$

$$\begin{bmatrix} P_{WW\_Wall\_4} \\ P_{LW\_Wall\_4} \\ P_{SideWall\_4} \\ P_{WW\_Roof\_4} \end{bmatrix} := q_z \cdot \left(\begin{bmatrix} C_{p\_WW\_Wall} \\ C_{p\_LW\_Wall} \\ C_{p\_SideWall} \\ C_{p\_WW\_Roof\_2} \end{bmatrix} \cdot G - GC_{pi\_N} \right) = \begin{bmatrix} 19.68 \\ 2 \\ -0.72 \\ 6.35 \end{bmatrix} \ psf$$

Wall Pressure Coefficients, C_p

Surface	L/B	C_p	Use With
Windward wall	All values	0.8	q_z
Leeward wall	0–1	−0.5	q_h
	2	−0.3	q_h
	≥4	−0.2	q_h
Sidewall	All values	−0.7	q_h

Roof Pressure Coefficients, C_p, for use with q_h

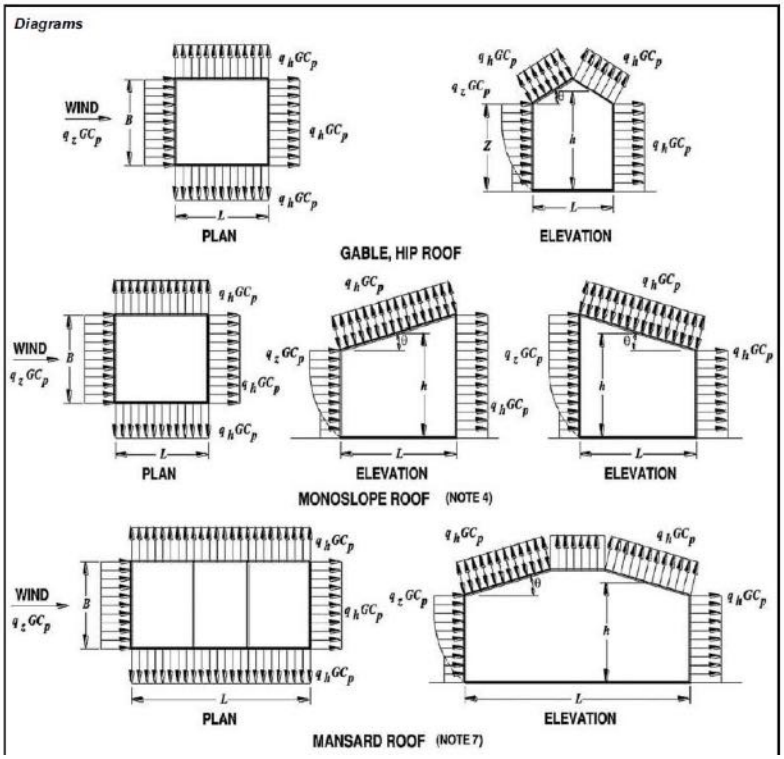
Wind Direction	h/L	Windward Angle, θ (degrees) 10	15	20	25	30	35	45	≥60[c]	Leeward Angle, θ (degrees) 10	15	≥20
Normal to Ridge for θ ≥ 10°	≤0.25	−0.7	−0.5	−0.3	−0.2	−0.2	0.0[a]					
		−0.18	0.0[a]	0.2	0.3	0.3	0.4	0.4	0.01 θ	−0.3	−0.5	−0.6
	0.5	−0.9	−0.7	−0.4	−0.3	−0.2	−0.2	0.0[a]				
		−0.18	−0.18	0.0[a]	0.2	0.2	0.3	0.4	0.01 θ	−0.5	−0.5	−0.6
	≥1.0	−1.3[b]	−1.0	−0.7	−0.5	−0.3	−0.2	0.0[a]				
		−0.18	−0.18	−0.18	0.0[a]	0.2	0.2	0.3	0.01 θ	−0.7	−0.6	−0.6

Wind Direction	h/L	Horizontal Distance from Windward Edge	C_p
Normal to Ridge for θ < 10° and Parallel to Ridge for All θ	≤0.5	0 to $h/2$	−0.9, −0.18
		$h/2$ to h	−0.9, −0.18
		h to $2h$	−0.5, −0.18
		$>2h$	−0.3, −0.18
	≥1.0	0 to $h/2$	−1.3[b], −0.18
		$>h/2$	−0.7, −0.18

[a]Value is provided for interpolation purposes.
[b]Value can be reduced linearly with area over which it is applicable as follows:
[c]For roof slopes greater than 80°, use $C_p = 0.8$.

Area, ft²	Area, m²	Reduction Factor
≤100	≤9.3	1.0
250	23.2	0.9
≥1,000	≥92.9	0.8

Diagrams



Wind Load:
For Canopies:

NORMAL TO RIDGE DIRECTION

Wind Speed,	$V := 93\ mph$
Exposure Category:	**Exposure C**
Directionality Factor,	$K_d := 0.85$
Topographic Factor,	$K_{zt} := 1.0$
Ground Elevation Factor,	$K_e := 1.0$
Gust-Effect Factor,	$G := 0.85$

Mean Roof Height, $h := 12\ ft$

$K_h := 0.85$

Velocity Pressure:

$$q_h := 0.00256 \left(\frac{psf}{(mph)^2}\right) \cdot K_h \cdot K_{zt} \cdot K_e \cdot K_d \cdot V^2 = 15.997\ psf$$

Enclosure Classification: Partially Enclosed Building

$GC_{pi\_pos} := 0.55$

$GC_{pi\_neg} := -0.55$

$B := 40\ ft$ *Horizontal dimension of building measured normal to wind direction*

$L := 40\ ft$ *Horizontal dimension of building measured parallel to wind direction*

$h = 12\ ft$ *Mean roof height of building*

Roof Angle, $\theta := \operatorname{atan}\left(\frac{0}{12}\right) = 0\ deg$

$r := \frac{12\ ft}{L} = 0.3$ *Rise To Span Ratio*

$\frac{L}{B} = 1$ *Note: used to determine Wall Pressure Coefficients*

$C_{P\_roof1} := 1.5\ r - 0.3 = 0.15$ *for Windward Quarter* ***ASCE 7, Figure 27.3-3***
$C_{P\_roof2} := -0.7 - r = -1$ *for Center Half*
$C_{P\_roof3} := -0.5$ *for Leeward Quarter*

$$\begin{bmatrix} P_{roof\_1} \\ P_{roof\_2} \\ P_{roof\_3} \end{bmatrix} := q_h \cdot \left(\left(G \cdot \begin{bmatrix} C_{P\_roof1} \\ C_{P\_roof2} \\ C_{P\_roof3} \end{bmatrix} - GC_{pi\_pos} \right) \right) = \begin{bmatrix} -6.759 \\ -22.396 \\ -15.597 \end{bmatrix} \ psf$$

$$\begin{bmatrix} P_{roof\_1'} \\ P_{roof\_2'} \\ P_{roof\_3'} \end{bmatrix} := q_h \cdot \left(\left(G \cdot \begin{bmatrix} C_{P\_roof1} \\ C_{P\_roof2} \\ C_{P\_roof3} \end{bmatrix} - GC_{pi\_neg} \right) \right) = \begin{bmatrix} 10.838 \\ -4.799 \\ 2 \end{bmatrix} \ psf$$

PARALLEL TO RIDGE DIRECTION

Enclosure Classification: Partially Enclosed Building

$GC_{pi\_pos} := 0.55$
$GC_{pi\_neg} := -0.55$

$B := 40\ ft$ *Horizontal dimension of building measured normal to wind direction*
$L := 40\ ft$ *Horizontal dimension of building measured parallel to wind direction*
$h = 12\ ft$ *Mean roof height of building*

$L \div B = 1$ *Note: used to determine Wall Pressure Coefficients*

$h \div L = 0.3$ *Note: used to determine Roof Pressure Coefficients*

$C_{P\_roof1} := -0.9$ *From 0:h* ***ASCE 7, Figure 27.3-1***

$C_{P\_roof2} := -0.5$ *From h:2h* ***ASCE 7, Figure 27.3-1***

$C_{P\_roof3} := -0.3$ *For >=2h* ***ASCE 7, Figure 27.3-1***

$$\begin{bmatrix} P_{roof\_1} \\ P_{roof\_2} \\ P_{roof\_3} \end{bmatrix} := q_h \cdot \left(\left(G \cdot \begin{bmatrix} C_{P\_roof1} \\ C_{P\_roof2} \\ C_{P\_roof3} \end{bmatrix} - GC_{pi\_pos} \right) \right) = \begin{bmatrix} -21.036 \\ -15.597 \\ -12.878 \end{bmatrix} \ psf$$

$$\begin{bmatrix} P_{roof\_1'} \\ P_{roof\_2'} \\ P_{roof\_3'} \end{bmatrix} := q_h \cdot \left(\left(G \cdot \begin{bmatrix} C_{P\_roof1} \\ C_{P\_roof2} \\ C_{P\_roof3} \end{bmatrix} - GC_{pi\_neg} \right) \right) = \begin{bmatrix} -3.439 \\ 2 \\ 4.719 \end{bmatrix} \ psf$$

External Pressure Coefficient, C_p

Conditions	Rise-to-Span Ratio, *r*	C_p Windward Quarter	C_p Center Half	C_p Leeward Quarter
Roof on elevated structure	$0 < r < 0.2$	−0.9	$-0.7 - r$	−0.5
	$0.2 \le r < 0.3$[a]	$1.5r - 0.3$	$-0.7 - r$	0.5
	$0.3 \le r \le 0.6$	$2.75r - 0.7$	$-0.7 - r$	0.5
Roof springing from ground level	$0 < r \le 0.6$	$1.4r$	$-0.7 - r$	0.5

[a]When the rise-to-span ratio is $0.2 \le r \le 0.3$, alternate coefficients given by $6r - 2.1$ shall also be used for the windward quarter.

Notes

1. Values listed are for the determination of average loads on main wind-force resisting systems.
2. Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
3. For wind directed parallel to the axis of the arch, use pressure coefficients from Fig. 27.3-1 with wind directed parallel to ridge.
4. For components and cladding (1) at roof perimeter, use the external pressure coefficients in Fig. 30.3-2A, B, and C with θ based on springline slope and (2) for remaining roof areas, use external pressure coefficients of this table multiplied by 1.2.

FIGURE 27.3-3 Main Wind Force Resisting System and Components and Cladding, Part 1 (All Heights): External Pressure Coefficients, C_p, for Enclosed and Partially Enclosed Buildings and Structures—Arched Roofs

Earthquakes:

General Input

ASCE 7-22
Risk Category II
Soil Site Class Default

USGS-Provided output

$S_s := 0.7$ $S_{MS} := 1.02$

$S_1 := 0.25$ $S_{DS} := 0.68$

$F_v := 2.64$ Table 11.4-2, ASCE 7-22; for soil site class Default

$F_a := 1.6$

$S_{m1} := F_v \cdot S_1 = 0.66$ Equation:11.4-2; ASCE 7-22

$S_{D1} := \frac{2}{3} \cdot S_{m1} = 0.44$ Equation:11.4-4; ASCE 7-22

Seismic design category: D Table 11.6-1 and Table 11.6-2; ASCE 7-22

$R := 3.5$ Response Modification factor (Table 12.2-1; ASCE 7-22)

$I_e := 1$ Seismic Importance Factor

$\rho := 1.0$ Sec. 12.3.4; ASCE 7-22

Seismic Response Coefficient

$C_s := \frac{S_{DS}}{\frac{R}{I_e}} = 0.19 \quad g$ ASCE 7-22; Equation 12.8-2

Approximate Fundamental Period

$C_t := 0.028$ ASCE 7-22: Table 12.8-2

$h_n := 12$ ft

$x := 0.8$ ASCE 7-22: Table 12.8-2

$T_a := \left(C_t \cdot h_n^{\ x}\right) = 0.2$

Maximum Fundamental Period

$C_u := 1.7$ ASCE 7-22: Table 12.8-1

$T := C_u \cdot T_a = 0.35$

$T_L := 12\ s$ ASCE 7-22: Figure 22-14

$T_s := \frac{S_{D1}}{S_{DS}} = 0.647$

$\text{if}\left(T \le 1.5 \cdot T_s, \text{“Cs according to eq 12.8–2”}, \text{“not okay”}\right) = \text{“Cs according to eq 12.8–2”}$

Maximum seismic response coefficient

$$C_{s\_max} := \text{if}\left(T \le T_L, 1.5 \cdot \frac{S_{D1}}{T \cdot \left(\frac{R}{I_e}\right)}, 1.5 \cdot \frac{S_{D1} \cdot T_L}{T^2 \cdot \left(\frac{R}{I_e}\right)}\right) = 0.54$$

Minimum seismic response coefficient

$$C_{s\_min} := 0.5\ \frac{S_1}{\frac{R}{I_e}} = 0.04$$

$\text{if}\left(C_{s\_max} > C_s > C_{s\_min}, \text{“OK”}, \text{“NOT OK”}\right) = \text{“OK”}$

7 STRUCTURE ANALYSIS

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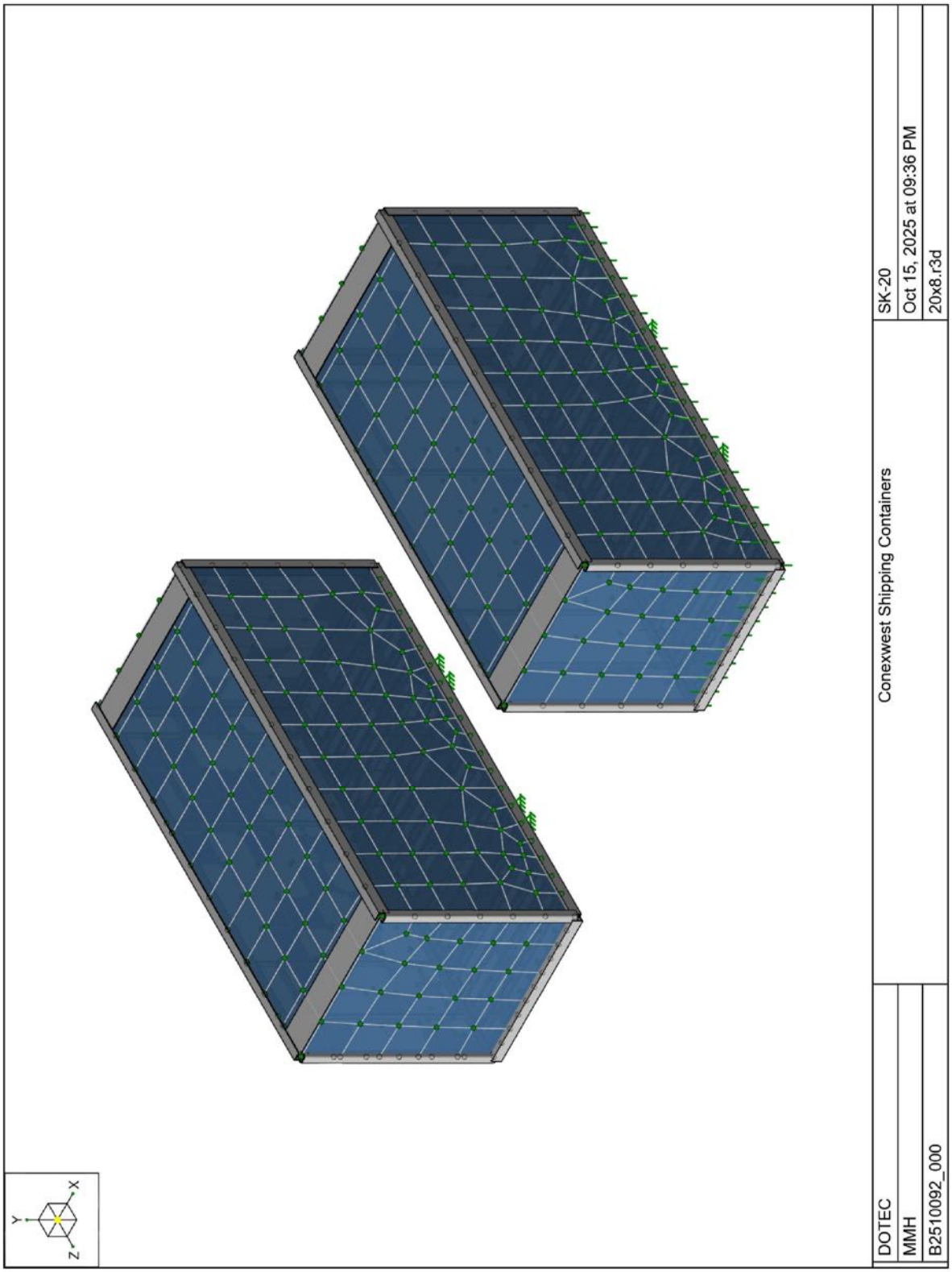
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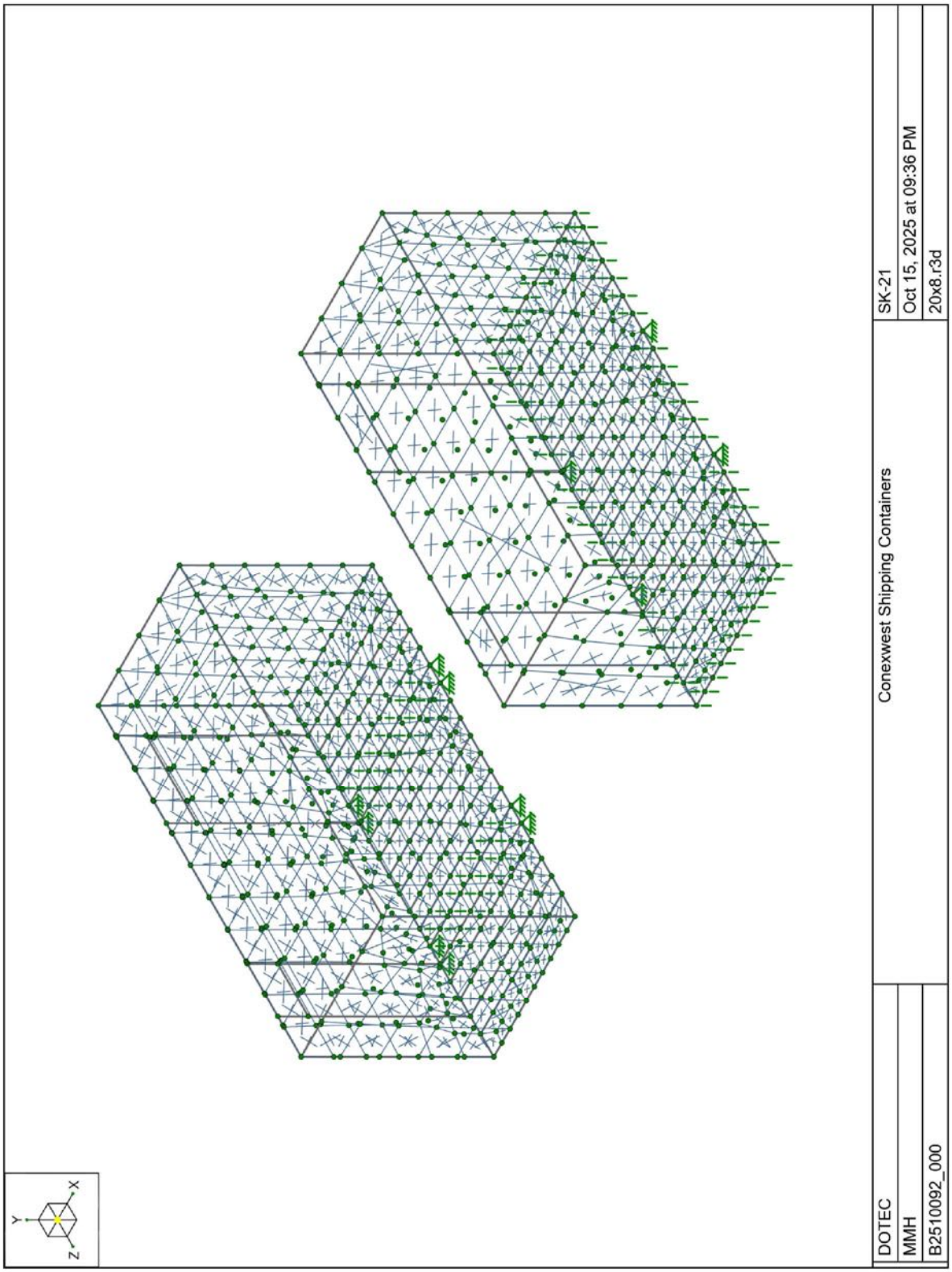
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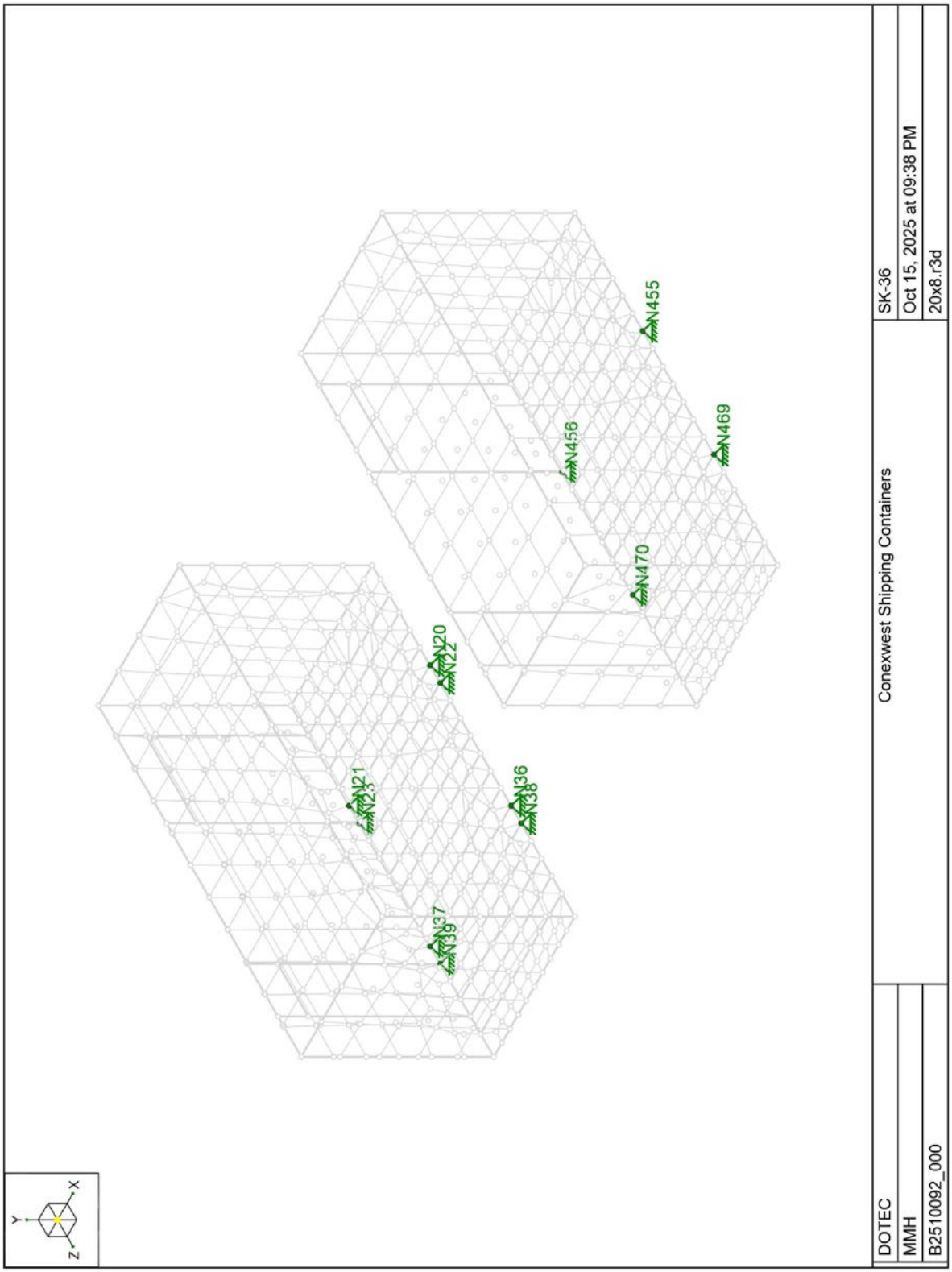
Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]
1	N454		Reaction	
2	N486		Reaction	
3	N448		Reaction	
4	N794		Reaction	
5	N867		Reaction	
6	N840		Reaction	
7	N842		Reaction	
8	N859		Reaction	
9	N449		Reaction	
10	N460		Reaction	
11	N451		Reaction	
12	N849		Reaction	
13	N452		Reaction	
14	N462		Reaction	
15	N453		Reaction	
16	N455	Reaction	Reaction	Reaction
17	N457		Reaction	
18	N854		Reaction	
19	N459		Reaction	
20	N464		Reaction	
21	N481		Reaction	
22	N480		Reaction	
23	N469	Reaction	Reaction	Reaction
24	N465		Reaction	
25	N868		Reaction	
26	N463		Reaction	
27	N436		Reaction	
28	N467		Reaction	
29	N450		Reaction	
30	N468		Reaction	
31	N471		Reaction	
32	N483		Reaction	
33	N472		Reaction	
34	N475		Reaction	
35	N864		Reaction	
36	N474		Reaction	
37	N476		Reaction	
38	N438		Reaction	
39	N477		Reaction	
40	N470	Reaction	Reaction	Reaction
41	N440		Reaction	
42	N456	Reaction	Reaction	Reaction
43	N442		Reaction	
44	N466		Reaction	
45	N478		Reaction	
46	N485		Reaction	
47	N445		Reaction	
48	N479		Reaction	
49	N487		Reaction	
50	N482		Reaction	
51	N446		Reaction	
52	N488		Reaction	
53	N447		Reaction	
54	N762		Reaction	
55	N775		Reaction	

Node Boundary Conditions (Continued)

	Node Label	X [k/in]	Y [k/in]	Z [k/in]
56	N785		Reaction	
57	N461		Reaction	
58	N484		Reaction	
59	N458		Reaction	
60	N473		Reaction	
61	N20	Reaction	Reaction	Reaction
62	N385		Reaction	
63	N401		Reaction	
64	N21	Reaction	Reaction	Reaction
65	N325		Reaction	
66	N387		Reaction	
67	N308		Reaction	
68	N323		Reaction	
69	N309		Reaction	
70	N395		Reaction	
71	N374		Reaction	
72	N375		Reaction	
73	N390		Reaction	
74	N398		Reaction	
75	N22	Reaction	Reaction	Reaction
76	N23	Reaction	Reaction	Reaction
77	N381		Reaction	
78	N383		Reaction	
79	N373		Reaction	
80	N376		Reaction	
81	N389		Reaction	
82	N396		Reaction	
83	N36	Reaction	Reaction	Reaction
84	N37	Reaction	Reaction	Reaction
85	N294		Reaction	
86	N307		Reaction	
87	N312		Reaction	
88	N39	Reaction	Reaction	Reaction
89	N38	Reaction	Reaction	Reaction
90	N293		Reaction	
91	N306		Reaction	
92	N310		Reaction	
93	N322		Reaction	
94	N324		Reaction	
95	N326		Reaction	
96	N363		Reaction	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N456
N469
N470
N20
N22
N21
N23
N36
N38
N37
N39
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SK-36
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DOTEC
MMH
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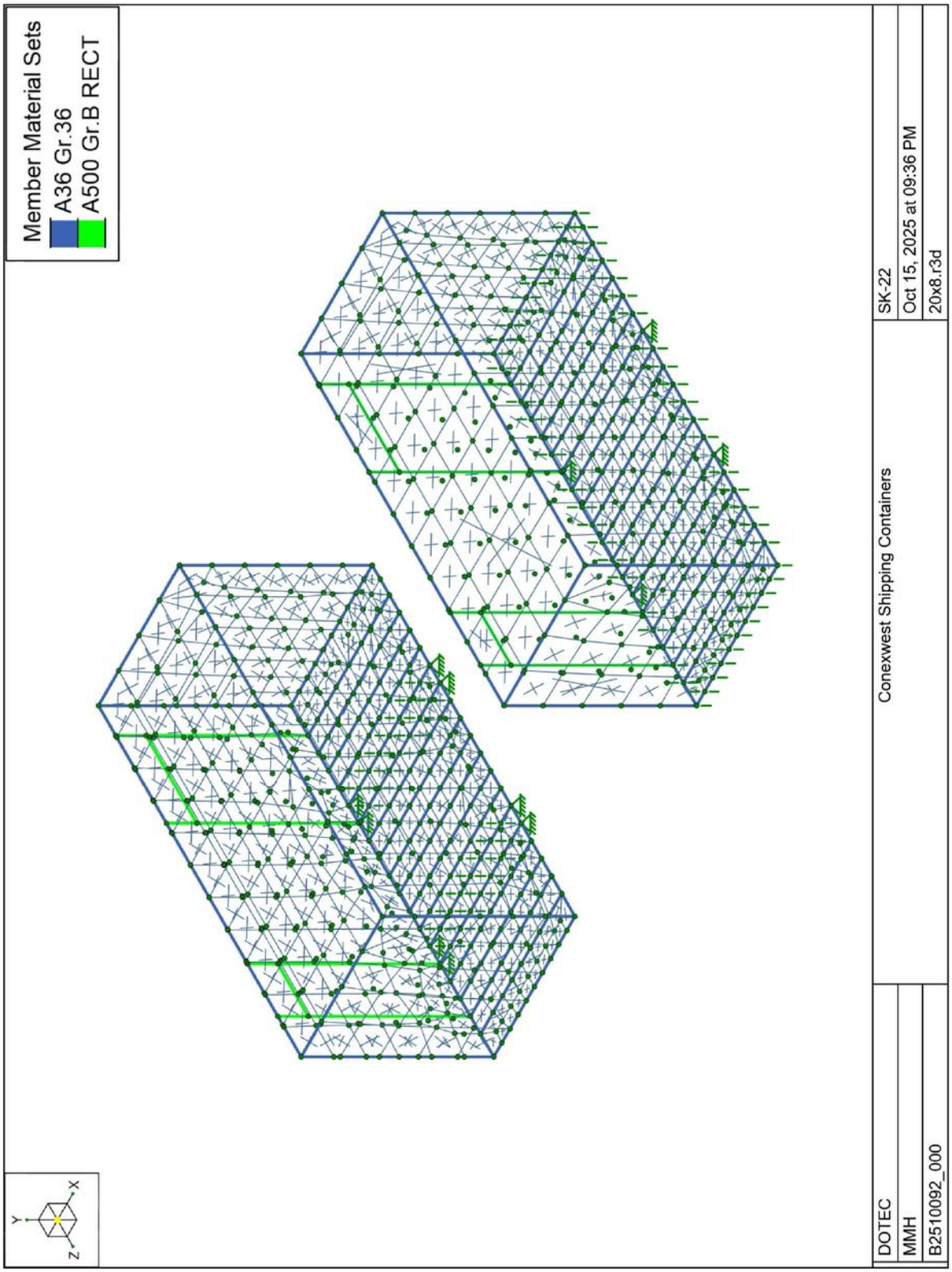
Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e^{5}°F^{-1}]	Density [k/ft^{3}]	Yield [ksi]	Ry	Fu [ksi]	Rt
1	A992	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	0.3	0.65	0.527	42	1.4	58	1.3
5	A500 Gr.B RECT	29000	11154	0.3	0.65	0.527	46	1.4	58	1.3
6	A500 Gr.C RND	29000	11154	0.3	0.65	0.527	46	1.4	62	1.3
7	A500 Gr.C RECT	29000	11154	0.3	0.65	0.527	50	1.4	62	1.3
8	A53 Gr.B	29000	11154	0.3	0.65	0.49	35	1.6	60	1.2
9	A1085	29000	11154	0.3	0.65	0.49	50	1.4	65	1.3
10	A913 Gr.65	29000	11154	0.3	0.65	0.49	65	1.1	80	1.1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A500 Gr.B RECT
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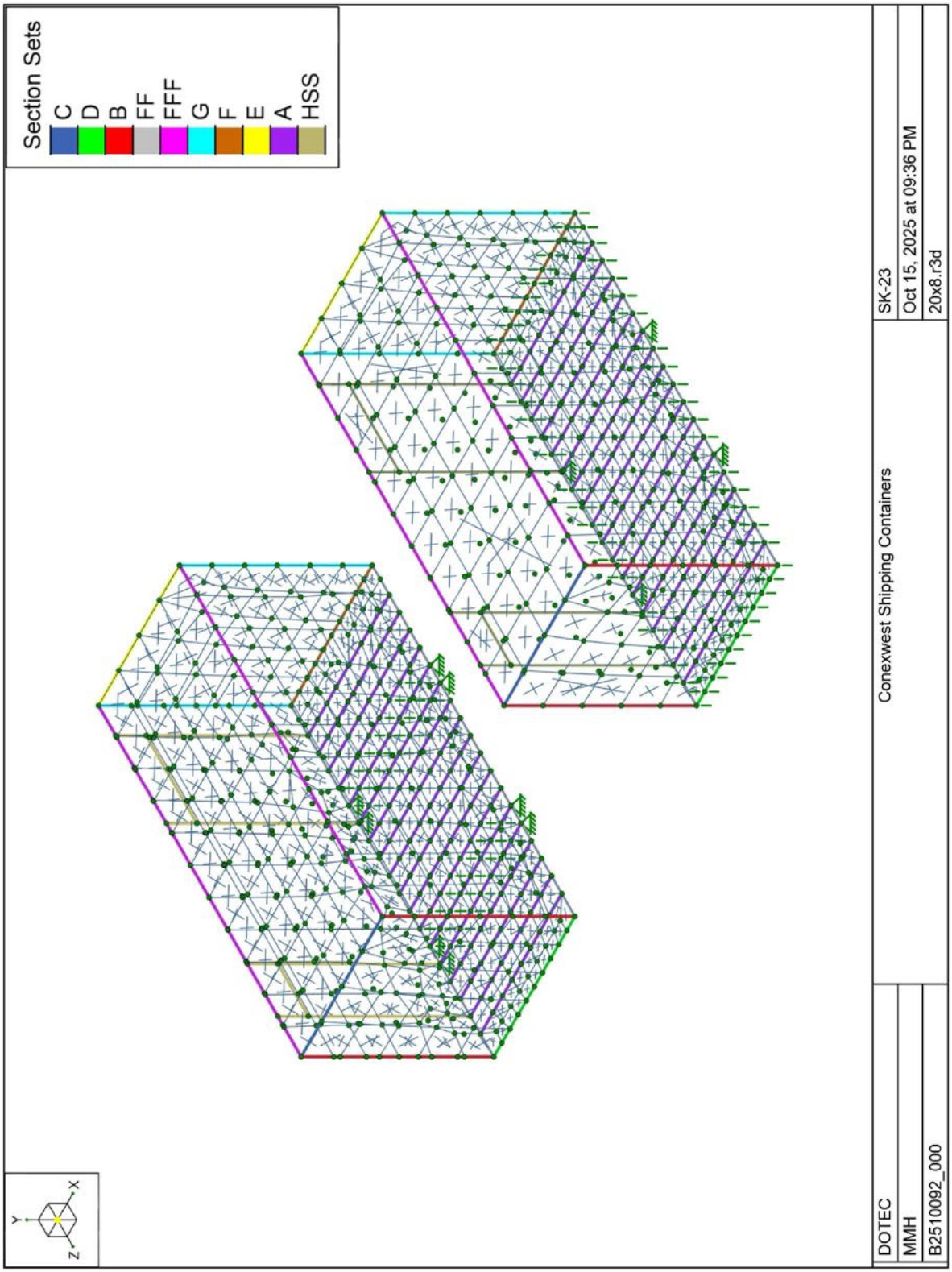
Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in²]	Iyy [in⁴]	Izz [in⁴]	J [in⁴]
1	C	C	Beam	Single Angle	A36 Gr.36	Typical	4.215	108.79	2.348	1.504
2	D	D	Beam	Channel	A36 Gr.36	Typical	2.491	3.812	12.135	0.029
3	B	B	Column	Tube	A36 Gr.36	Typical	5.376	45.617	41.064	0.11
4	FF	FF	Beam	Channel	A36 Gr.36	Typical	1.728	0.372	8.737	0.02
5	FFF	FFF	Beam	Channel	A36 Gr.36	Typical	1.904	1.238	8.089	0.022
6	G	G	Column	Channel	A36 Gr.36	Typical	4.954	2.299	42.27	0.101
7	F	F	Beam	Channel	A36 Gr.36	Typical	2.797	9.783	13.437	0.032
8	E	EA	Beam	Single Angle	A36 Gr.36	Typical	4.987	82.767	18.561	0.049
9	A	A A	Beam	Channel	A36 Gr.36	Typical	1.6	0.45	5.2	0.018
10	HSS	HSS2X2X1/8	Column	Tube	A500 Gr.B RECT	Typical	0.938	0.552	0.552	0.824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C
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Hot Rolled Steel Design Parameters

	Label	Shape	Length [ft]	Lb y-y [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
1	M3	G	9.5		Lbyy	N/A	N/A	Lateral
2	M2	B	9.5		Lbyy	N/A	N/A	Lateral
3	M4	G	9.5		Lbyy	N/A	N/A	Lateral
4	M5	B	9.5		Lbyy	N/A	N/A	Lateral
5	M6	D	8		Lbyy	N/A	N/A	Lateral
6	M7	FF	20	0	0	N/A	N/A	Lateral
7	M8	F	8		Lbyy	N/A	N/A	Lateral
8	M9	FF	20	0	0	N/A	N/A	Lateral
9	M10	FFF	20		Lbyy	N/A	N/A	Lateral
10	M11	E	8		Lbyy	N/A	N/A	Lateral
11	M12	FFF	20		Lbyy	N/A	N/A	Lateral
12	M13	C	8		Lbyy	N/A	N/A	Lateral
13	M14	A	8	0	0	N/A	N/A	Lateral
14	M15	A	8	0	0	N/A	N/A	Lateral
15	M16	A	8	0	0	N/A	N/A	Lateral
16	M17	A	8	0	0	N/A	N/A	Lateral
17	M18	A	8	0	0	N/A	N/A	Lateral
18	M19	A	8	0	0	N/A	N/A	Lateral
19	M20	A	8	0	0	N/A	N/A	Lateral
20	M21	A	8	0	0	N/A	N/A	Lateral
21	M22	A	8	0	0	N/A	N/A	Lateral
22	M23	A	8	0	0	N/A	N/A	Lateral
23	M24	A	8	0	0	N/A	N/A	Lateral
24	M25	A	8	0	0	N/A	N/A	Lateral
25	M26	A	8	0	0	N/A	N/A	Lateral
26	M27	A	8	0	0	N/A	N/A	Lateral
27	M28	A	8	0	0	N/A	N/A	Lateral
28	M29	A	8	0	0	N/A	N/A	Lateral
29	M30	A	8	0	0	N/A	N/A	Lateral
30	M31	A	8	0	0	N/A	N/A	Lateral
31	M32	G	9.5		Lbyy	N/A	N/A	Lateral
32	M33	B	9.5		Lbyy	N/A	N/A	Lateral
33	M34	G	9.5		Lbyy	N/A	N/A	Lateral
34	M35	B	9.5		Lbyy	N/A	N/A	Lateral
35	M36	D	8		Lbyy	N/A	N/A	Lateral
36	M37	FF	20	0	0	N/A	N/A	Lateral
37	M38	F	8		Lbyy	N/A	N/A	Lateral
38	M39	FF	20	0	0	N/A	N/A	Lateral
39	M40	FFF	20		Lbyy	N/A	N/A	Lateral
40	M41	E	8		Lbyy	N/A	N/A	Lateral
41	M42	FFF	20		Lbyy	N/A	N/A	Lateral
42	M43	C	8		Lbyy	N/A	N/A	Lateral
43	M44	A	8	0	0	N/A	N/A	Lateral
44	M45	A	8	0	0	N/A	N/A	Lateral
45	M46	A	8	0	0	N/A	N/A	Lateral
46	M47	A	8	0	0	N/A	N/A	Lateral
47	M48	A	8	0	0	N/A	N/A	Lateral
48	M49	A	8	0	0	N/A	N/A	Lateral
49	M50	A	8	0	0	N/A	N/A	Lateral
50	M51	A	8	0	0	N/A	N/A	Lateral
51	M52	A	8	0	0	N/A	N/A	Lateral
52	M53	A	8	0	0	N/A	N/A	Lateral
53	M54	A	8	0	0	N/A	N/A	Lateral
54	M55	A	8	0	0	N/A	N/A	Lateral
55	M56	A	8	0	0	N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [ft]	Lb y-y [ft]	Lcomp top [ft]	Channel Conn.	a [ft]	Function
56	M57	A	8	0	0	N/A	N/A	Lateral
57	M58	A	8	0	0	N/A	N/A	Lateral
58	M59	A	8	0	0	N/A	N/A	Lateral
59	M60	A	8	0	0	N/A	N/A	Lateral
60	M61	A	8	0	0	N/A	N/A	Lateral
61	M62	HSS	9.5		Lbyy	N/A	N/A	Lateral
62	M63	HSS	9.5		Lbyy	N/A	N/A	Lateral
63	M64	HSS	3		Lbyy	N/A	N/A	Lateral
64	M65	HSS	9.5		Lbyy	N/A	N/A	Lateral
65	M66	HSS	9.5		Lbyy	N/A	N/A	Lateral
66	M67	HSS	5		Lbyy	N/A	N/A	Lateral
67	M68	HSS	3		Lbyy	N/A	N/A	Lateral
68	M69	HSS	9.5		Lbyy	N/A	N/A	Lateral
69	M70	HSS	9.5		Lbyy	N/A	N/A	Lateral
70	M71	HSS	9.5		Lbyy	N/A	N/A	Lateral
71	M72	HSS	9.5		Lbyy	N/A	N/A	Lateral
72	M73	HSS	5		Lbyy	N/A	N/A	Lateral

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Distributed	Area(Member)
1	DL	DL		-1			4
2	LL	LL					
3	RLL	LL					1
4	FL	LL					2
5	SL2	SL					1
6	SL3	SL					
7	WL1	WL					5
8	WL2	WL					5
9	WL3	WL					5
10	WL4	WL					5
11	WL5	WL					5
12	WL6	WL					5
13	Ex	EL	0.19				
14	Ez	EL			0.19		
15	R	RL					
16	BLC 1 Transient Area Loads	None				302	
17	BLC 3 Transient Area Loads	None				52	
18	BLC 4 Transient Area Loads	None				198	
19	BLC 5 Transient Area Loads	None				52	

Member Area Loads (BLC 1 : DL)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N439	N443	N441	N437	Y	Two Way	-3	-3	-3	-3	Yes
2	N438	N442	N440	N436	Y	Two Way	-10	-10	-10	-10	Yes
3	N4	N10	N8	N6	Y	Two Way	-3	-3	-3	-3	Yes
4	N3	N9	N7	N5	Y	Two Way	-10	-10	-10	-10	Yes

Member Area Loads (BLC 3 : RLL)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N439	N443	N441	N437	Y	Two Way	-12	-12	-12	-12	Yes

Member Area Loads (BLC 4 : FL)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N442	N440	N436	N438	Y	Two Way	-312.5	-312.5	-312.5	-312.5	Yes
2	N3	N9	N7	N5	Y	Two Way	-312.5	-312.5	-312.5	-312.5	Yes

Member Area Loads (BLC 5 : SL2)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N439	N443	N441	N437	Y	Two Way	-5	-5	-5	-5	Yes

Member Area Loads (BLC 7 : WL1)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N439	N443	N442	N438	Perp	Two Way	8	8	8	8	Yes
2	N441	N437	N436	N440	Perp	Two Way	-9.7	-9.7	-9.7	-9.7	Yes
3	N443	N441	N440	N442	Perp	Two Way	-12.4	-12.4	-12.4	-12.4	Yes
4	N439	N437	N436	N438	Perp	Two Way	12.4	12.4	12.4	12.4	Yes
5	N443	N439	N437	N441	Perp	Two Way	-20.56	-20.56	-20.56	-20.56	Yes

Member Area Loads (BLC 8 : WL2)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N439	N443	N442	N438	Perp	Two Way	8	8	8	8	Yes
2	N441	N437	N436	N440	Perp	Two Way	-9.7	-9.7	-9.7	-9.7	Yes
3	N443	N441	N440	N442	Perp	Two Way	-12.4	-12.4	-12.4	-12.4	Yes
4	N439	N437	N436	N438	Perp	Two Way	12.4	12.4	12.4	12.4	Yes
5	N443	N439	N437	N441	Perp	Two Way	-5.33	-5.33	-5.33	-5.33	Yes

Member Area Loads (BLC 9 : WL3)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N439	N443	N442	N438	Perp	Two Way	13.76	13.76	13.76	13.76	Yes
2	N441	N437	N436	N440	Perp	Two Way	-3.92	-3.92	-3.92	-3.92	Yes
3	N443	N441	N440	N442	Perp	Two Way	-6.64	-6.64	-6.64	-6.64	Yes
4	N439	N437	N436	N438	Perp	Two Way	6.64	6.64	6.64	6.64	Yes
5	N443	N439	N437	N441	Perp	Two Way	-14.8	-14.8	-14.8	-14.8	Yes

Member Area Loads (BLC 10 : WL4)

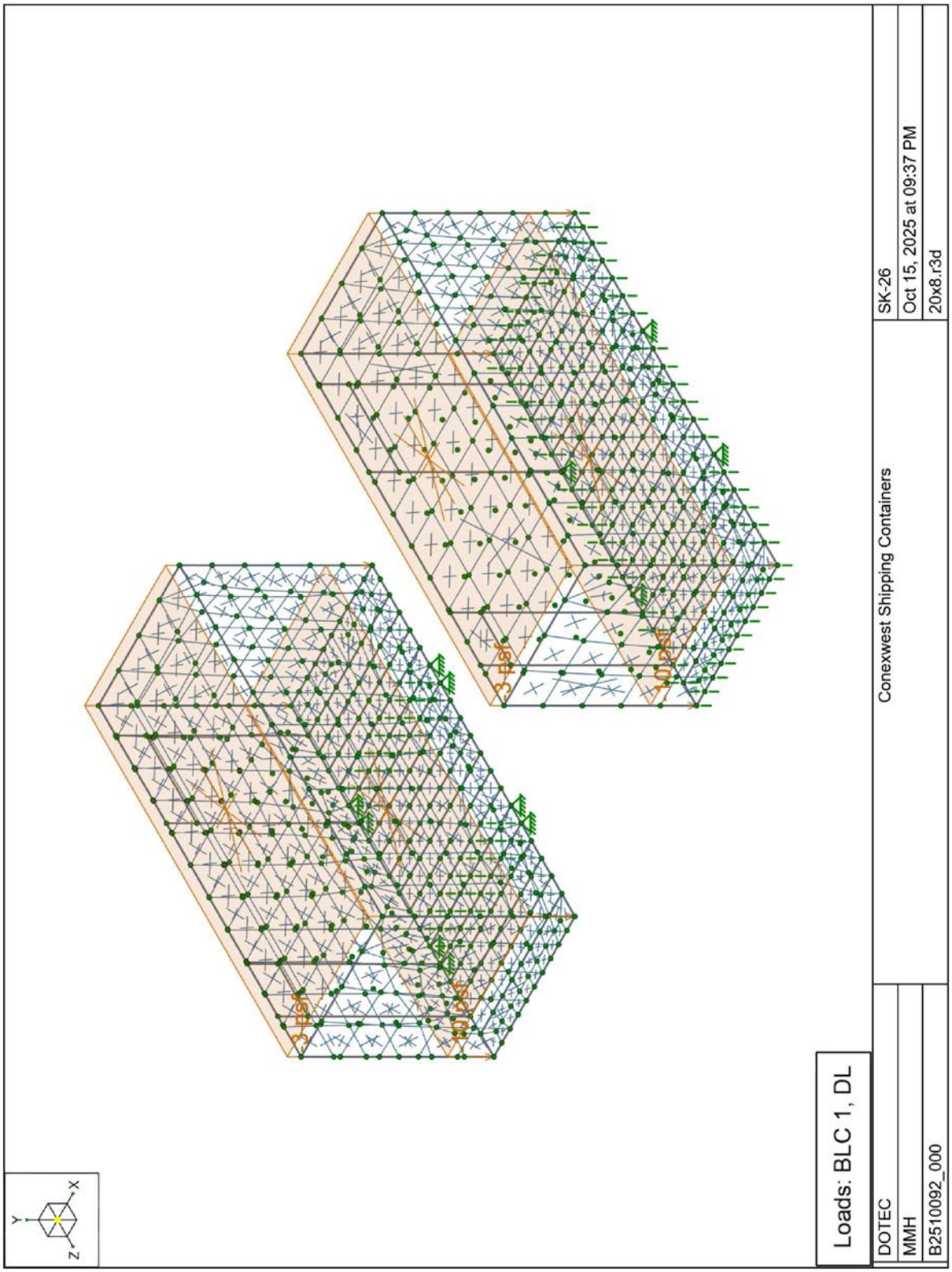
	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N439	N443	N442	N438	Perp	Two Way	13.76	13.76	13.76	13.76	Yes
2	N441	N437	N436	N440	Perp	Two Way	-3.92	-3.92	-3.92	-3.92	Yes
3	N443	N441	N440	N442	Perp	Two Way	-6.64	-6.64	-6.64	-6.64	Yes
4	N439	N437	N436	N438	Perp	Two Way	6.64	6.64	6.64	6.64	Yes
5	N443	N439	N437	N441	Perp	Two Way	0.43	0.43	0.43	0.43	Yes

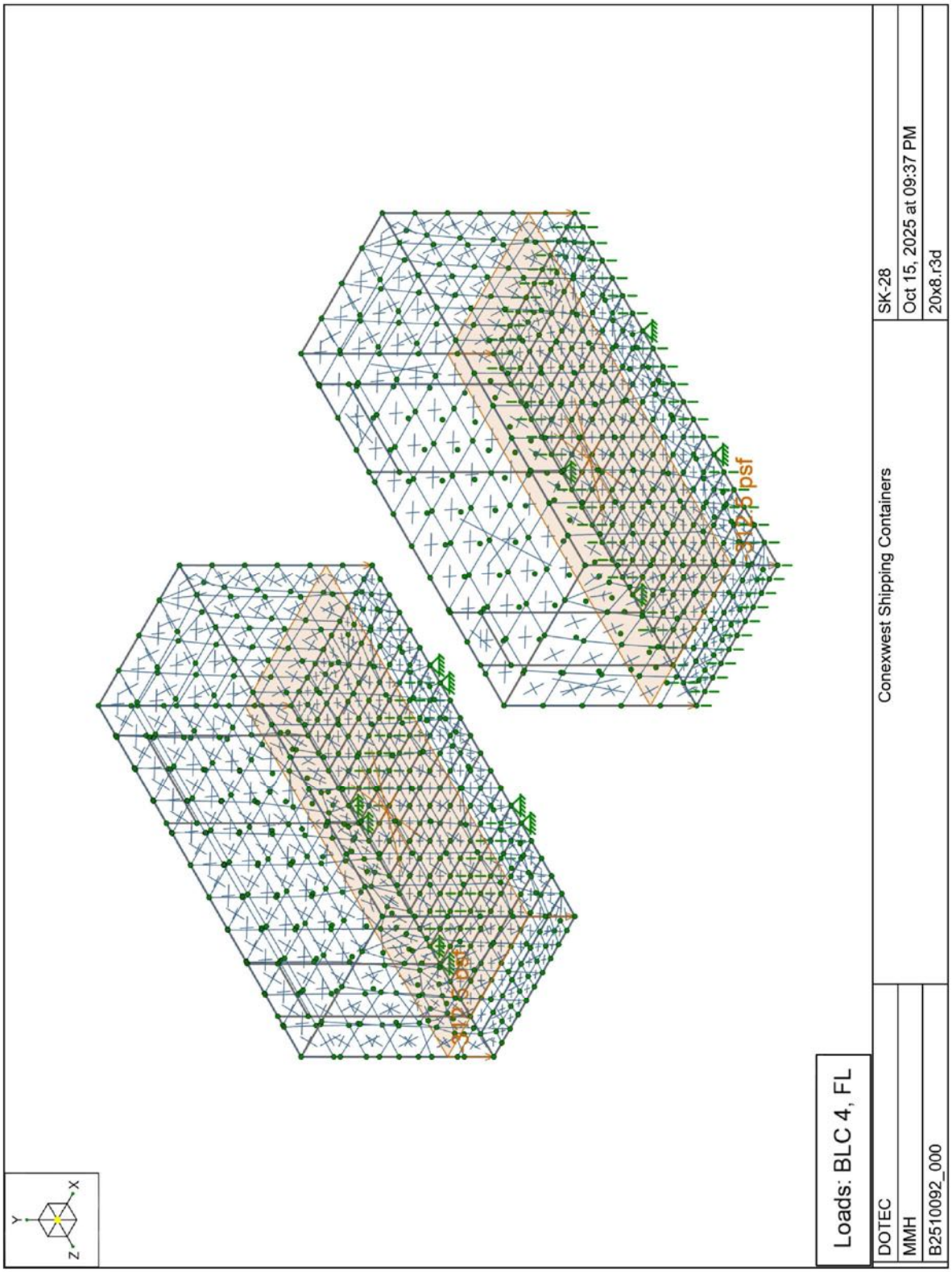
Member Area Loads (BLC 11 : WL5)

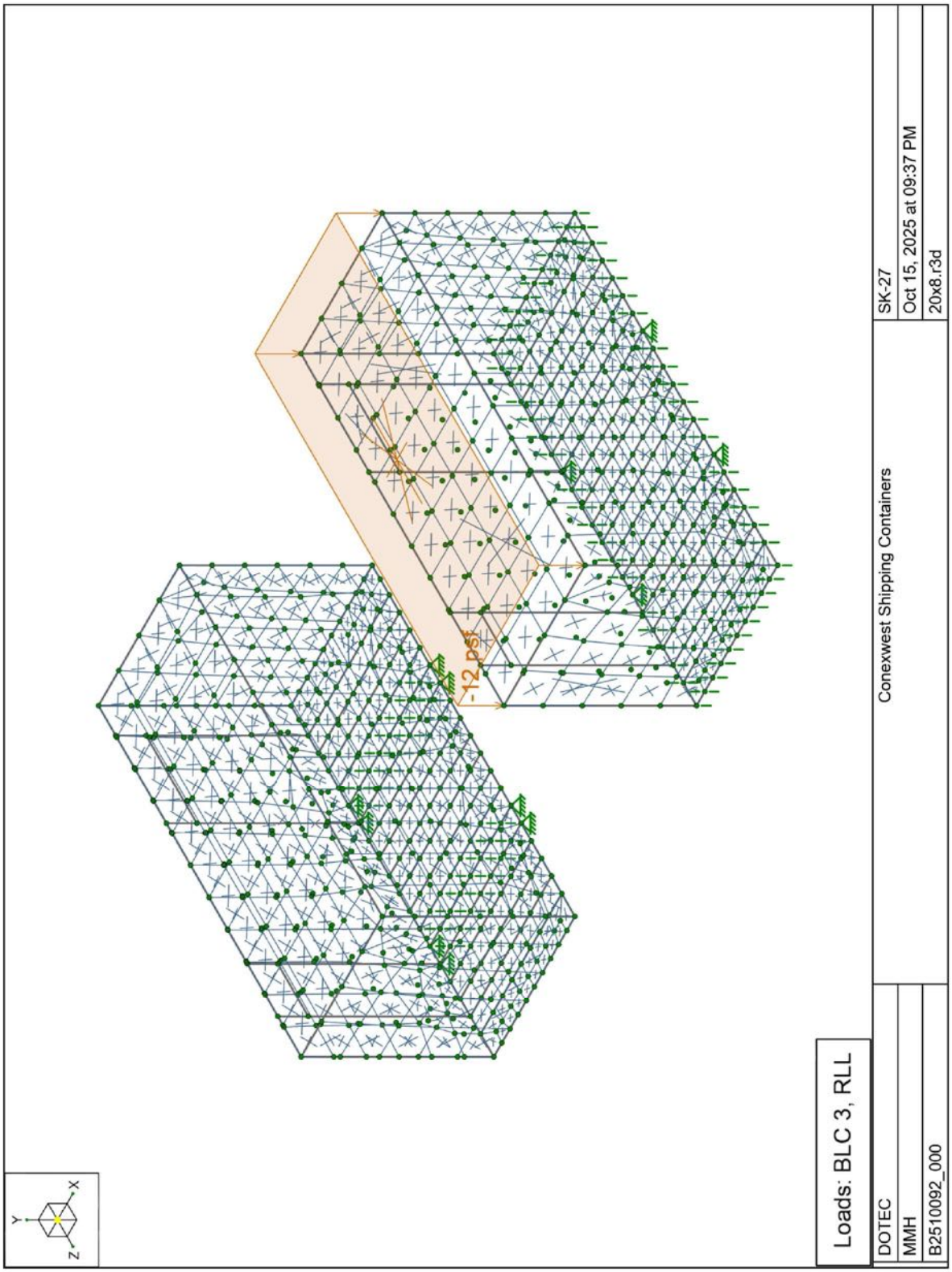
	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N439	N443	N442	N438	Perp	Two Way	-12.4	-12.4	-12.4	-12.4	Yes
2	N441	N437	N436	N440	Perp	Two Way	-12.4	-12.4	-12.4	-12.4	Yes
3	N443	N441	N440	N442	Perp	Two Way	8	8	8	8	Yes
4	N439	N437	N436	N438	Perp	Two Way	9.68	9.68	9.68	9.68	Yes
5	N443	N439	N437	N441	Perp	Two Way	-15.12	-15.12	-15.12	-15.12	Yes

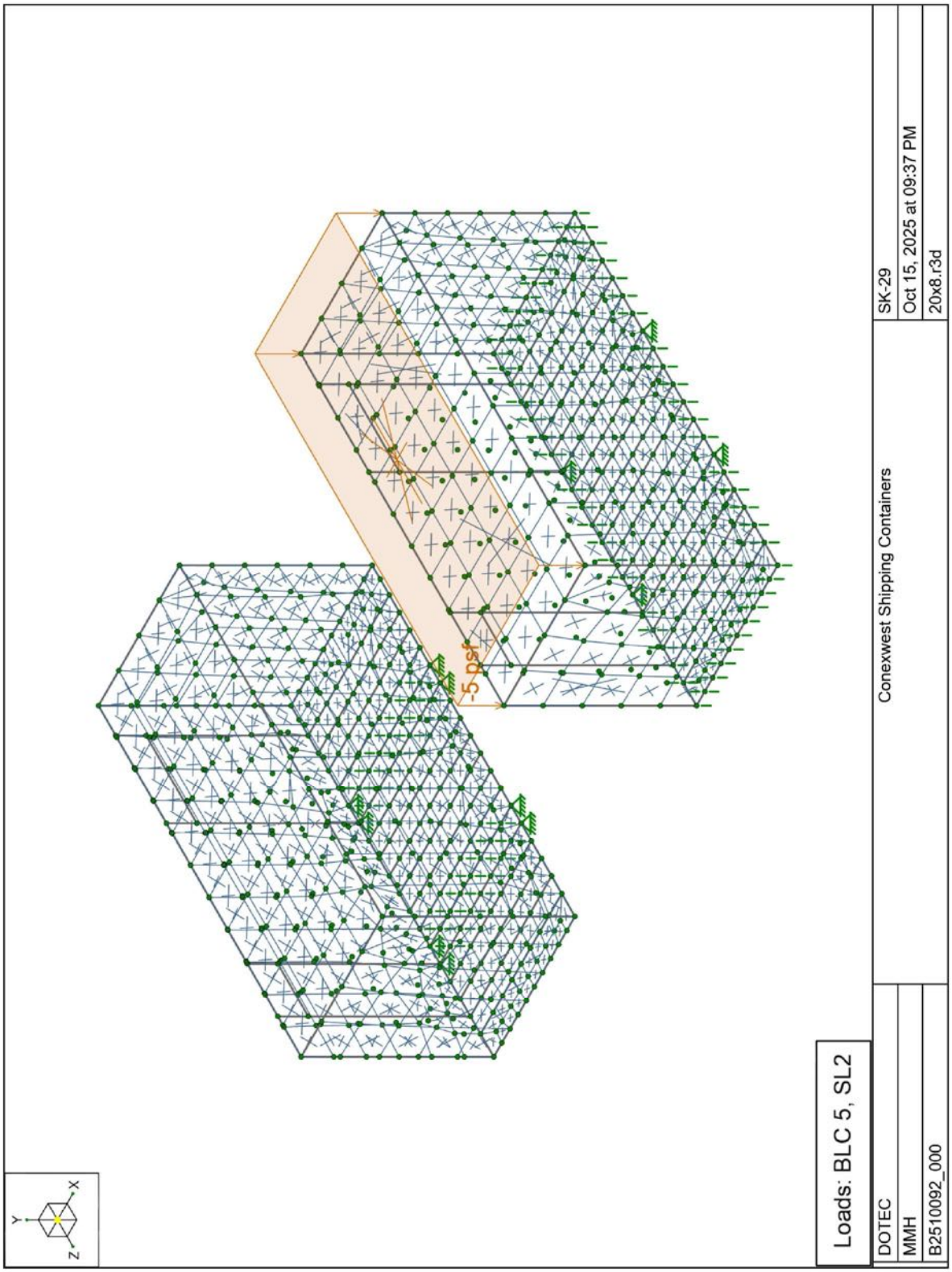
Member Area Loads (BLC 12 : WL6)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N439	N443	N442	N438	Perp	Two Way	-6.64	-6.64	-6.64	-6.64	Yes
2	N441	N437	N436	N440	Perp	Two Way	-6.64	-6.64	-6.64	-6.64	Yes
3	N443	N441	N440	N442	Perp	Two Way	13.76	13.76	13.76	13.76	Yes
4	N439	N437	N436	N438	Perp	Two Way	3.92	3.92	3.92	3.92	Yes
5	N443	N439	N437	N441	Perp	Two Way	-9.36	-9.36	-9.36	-9.36	Yes


Loads: BLC 1, DL
Conexwest Shipping Containers
SK-26
Oct 15, 2025 at 09:37 PM
20x8.r3d
DOTEC
MMH
B2510092_000
X
Y
Z


Loads: BLC 4, FL
Conexwest Shipping Containers
DOTEC
MMH
B2510092_000
SK-28
Oct 15, 2025 at 09:37 PM
20x8.r3d
X
Y
Z


-12 psf
Loads: BLC 3, RLL
Conexwest Shipping Containers
SK-27
Oct 15, 2025 at 09:37 PM
20x8.r3d
DOTEC
MMH
B2510092_000
X
Y
Z


-5 psf
Loads: BLC 5, SL2
Conexwest Shipping Containers
SK-29
Oct 15, 2025 at 09:37 PM
20x8.r3d
DOTEC
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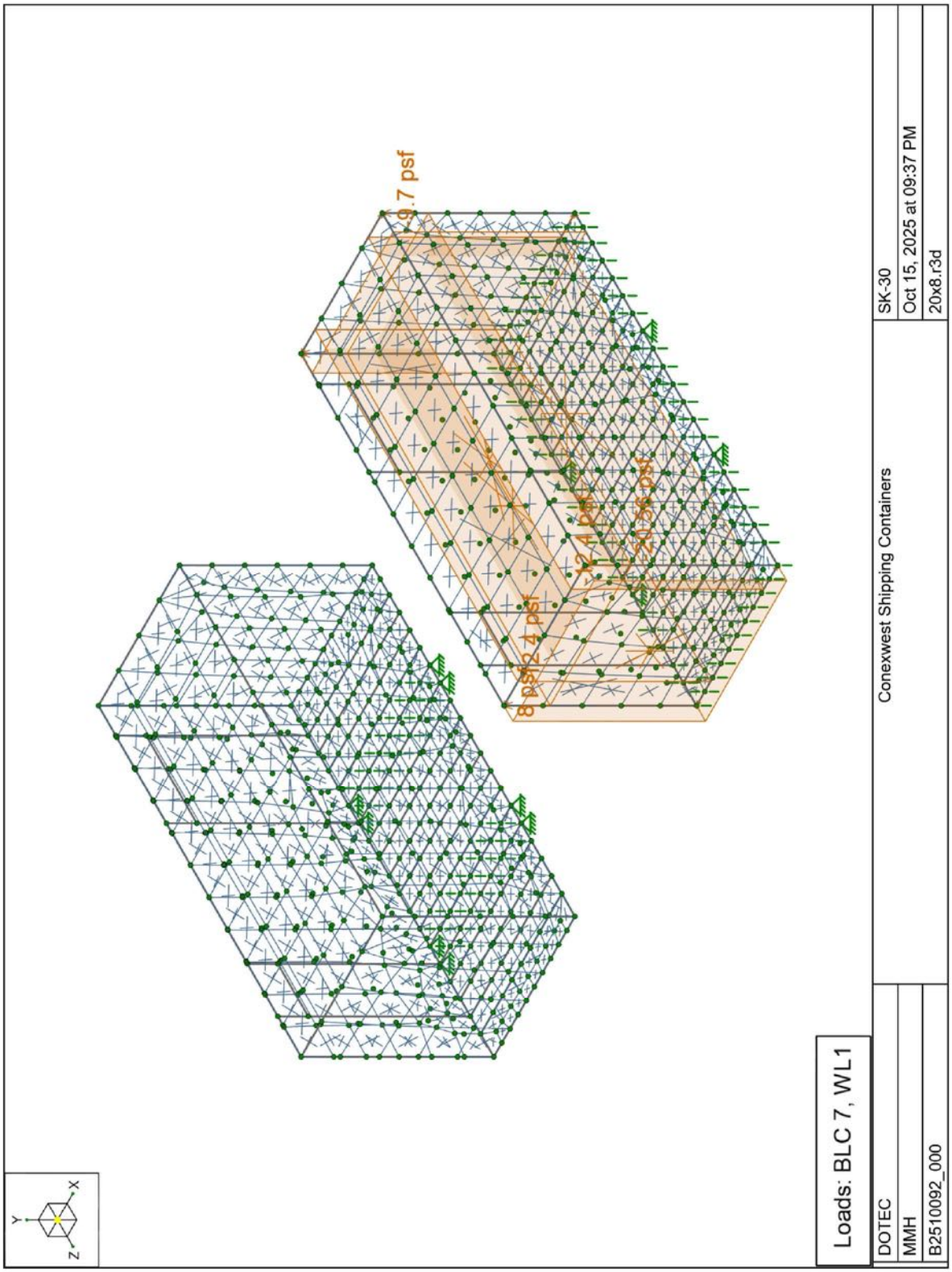
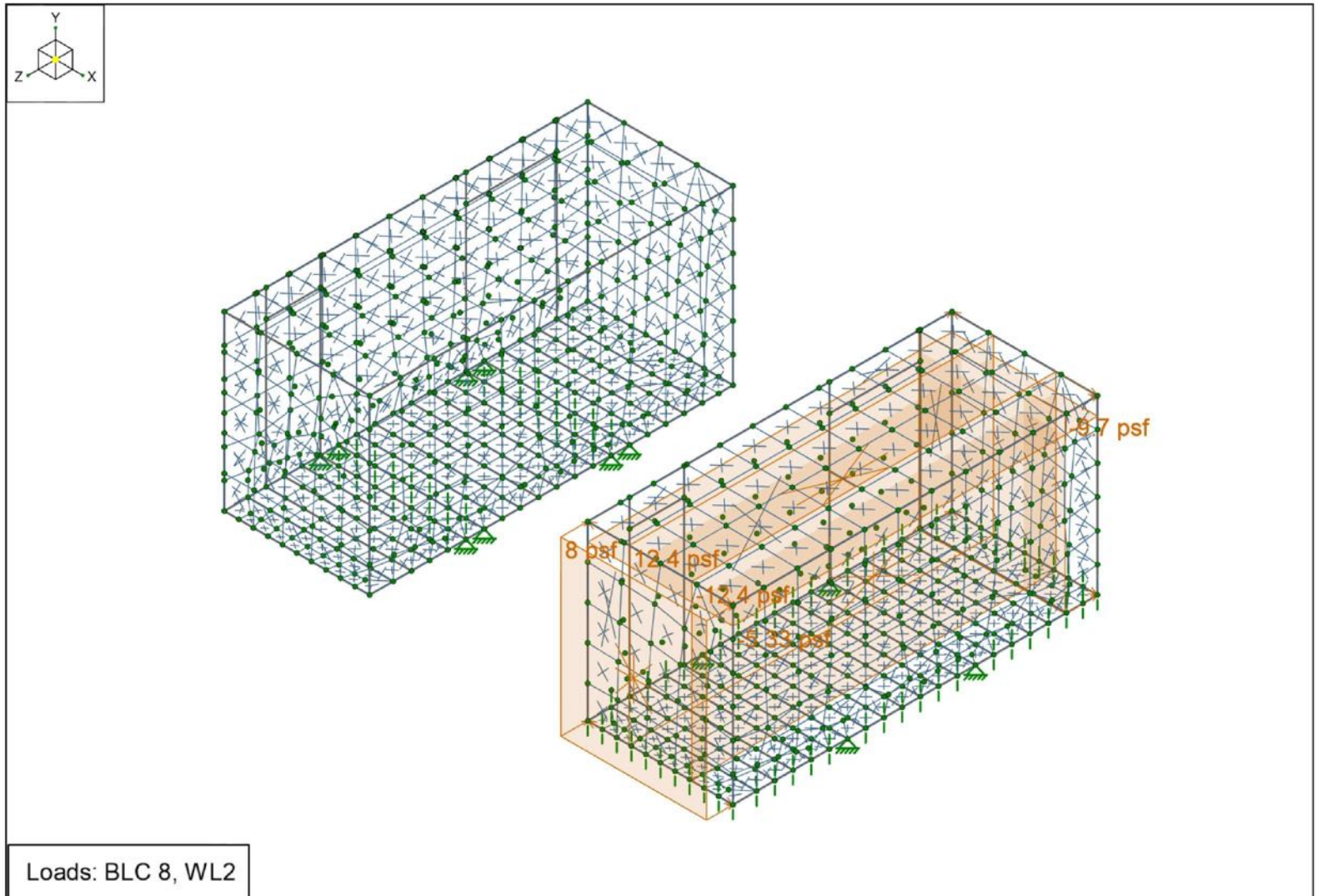
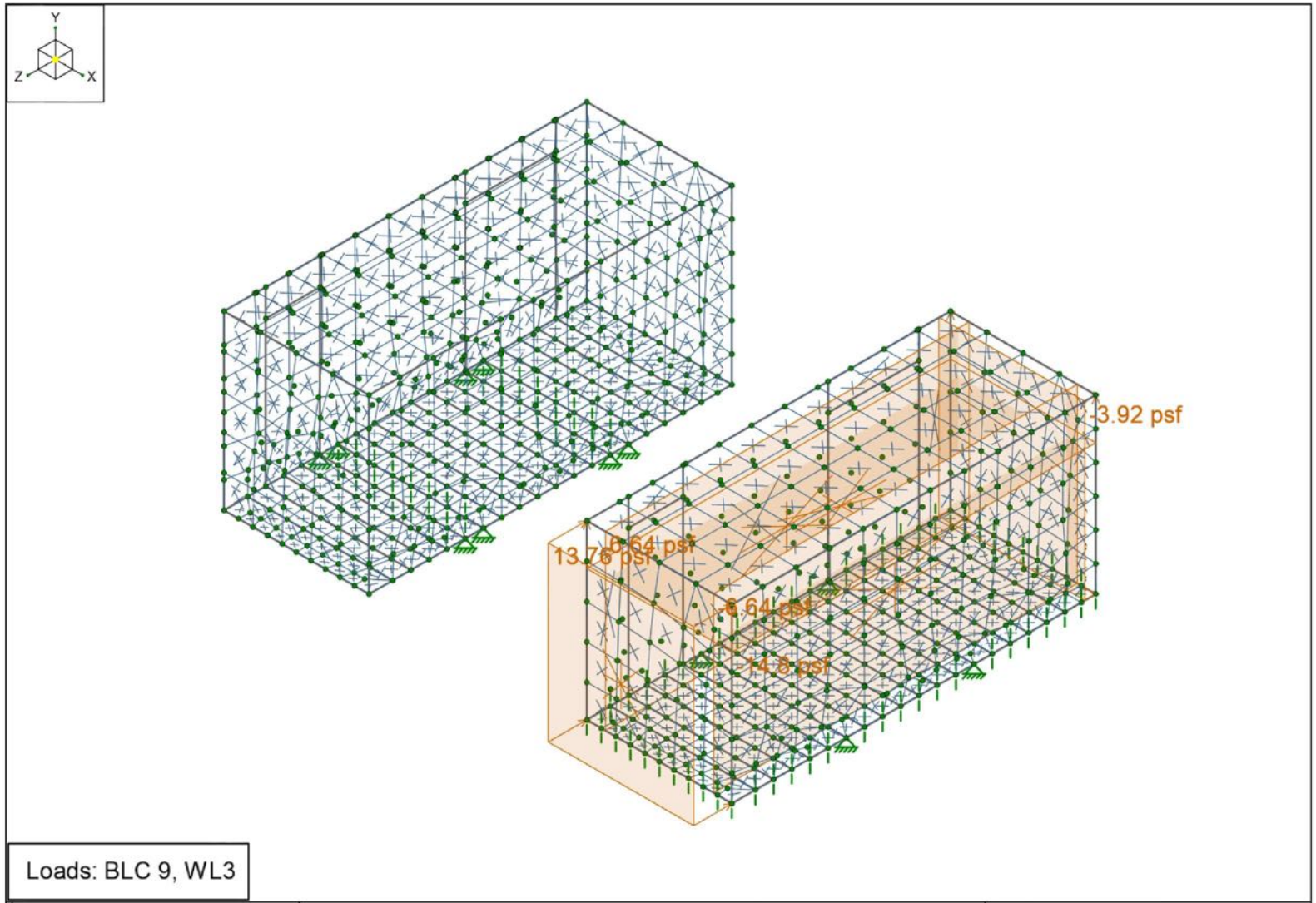
B2510092_000
X
Y
Z

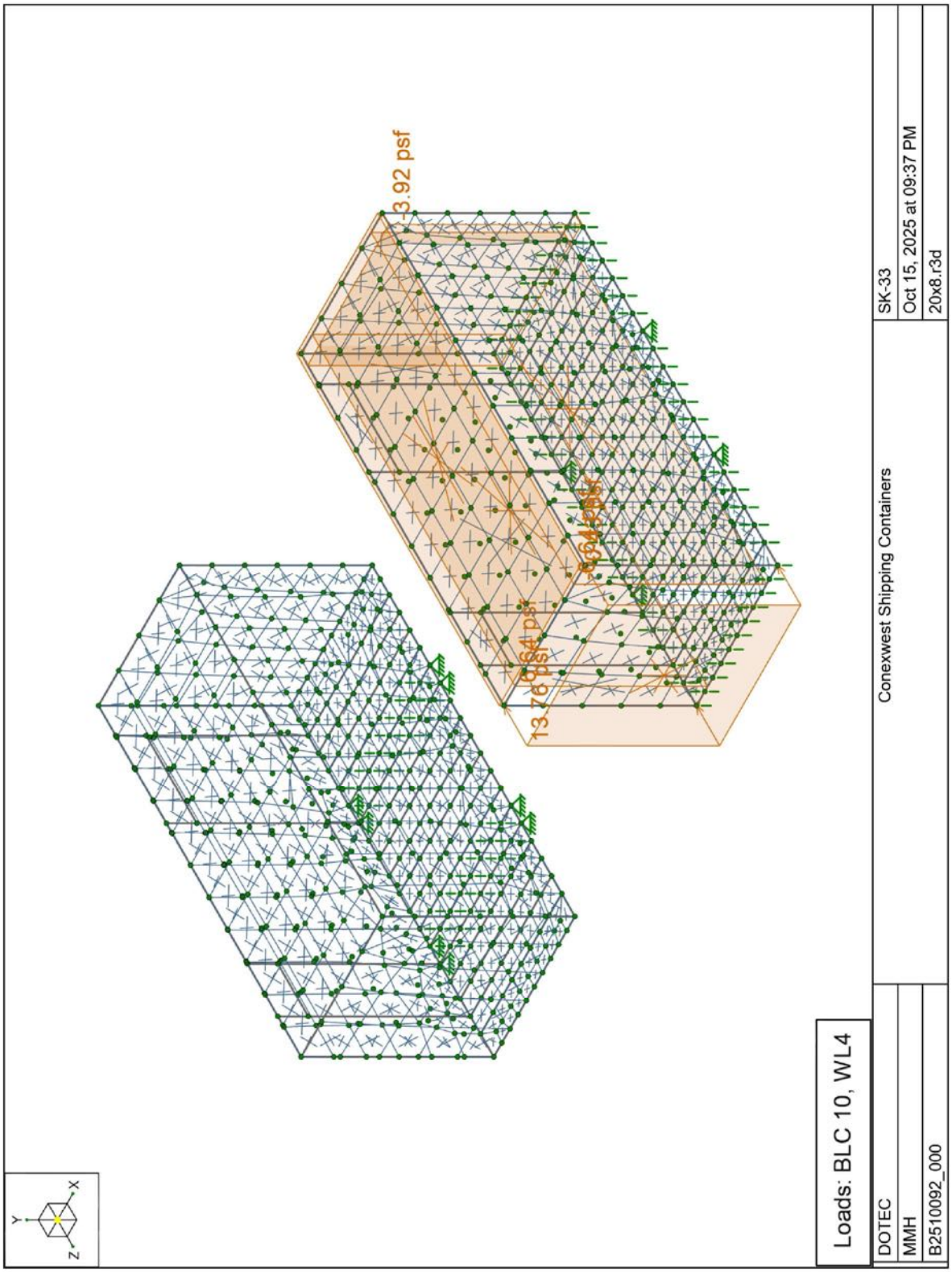

9.7 psf
8 psf
2.4 psf
Loads: BLC 7, WL1
Conexwest Shipping Containers
SK-30
Oct 15, 2025 at 09:37 PM
20x8.r3d
DOTEC
MMH
B2510092_000
X
Y
Z



DOTEC	Conexwest Shipping Containers	SK-31
MMH		Oct 15, 2025 at 09:37 PM
B2510092_000		20x8.r3d



DOTEC	Conexwest Shipping Containers	SK-32
MMH		Oct 15, 2025 at 09:37 PM
B2510092_000		20x8.r3d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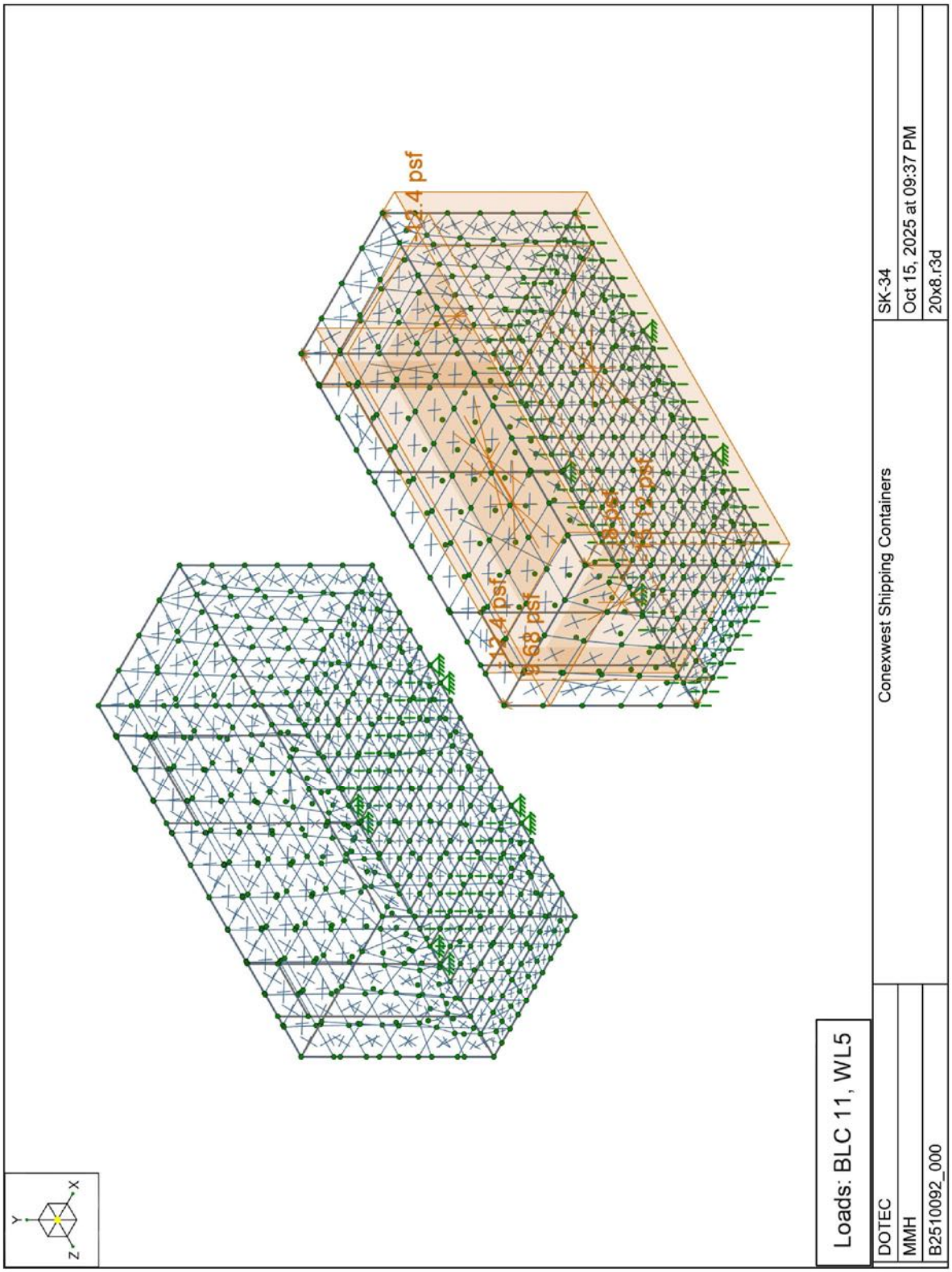
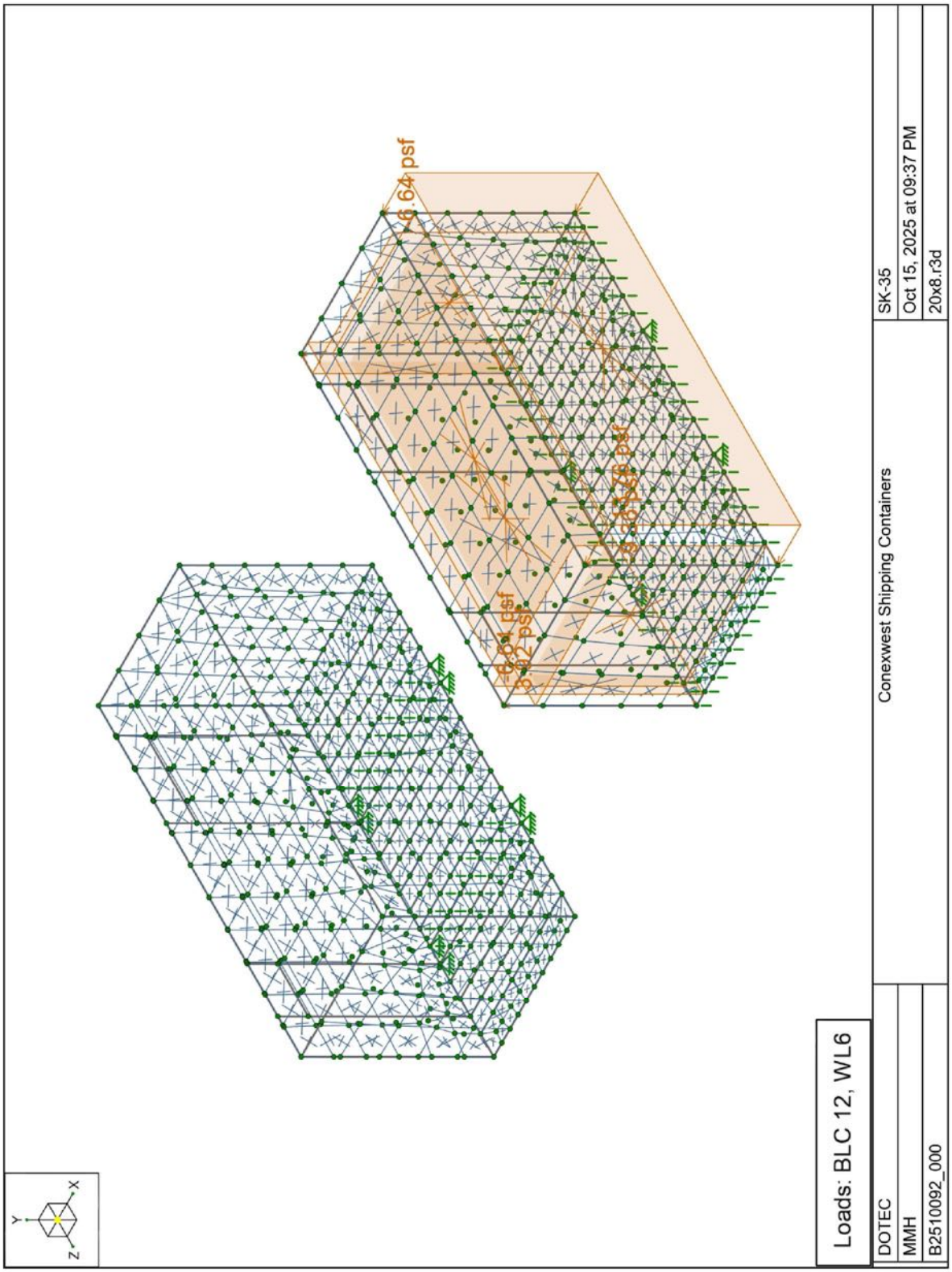
-13.76 psf
Loads: BLC 10, WL4
Conexwest Shipping Containers
SK-33
Oct 15, 2025 at 09:37 PM
20x8.r3d
DOTEC
MMH
B2510092_000
X
Y
Z


42.4 psf
42.4 psf
42.4 psf
42.4 psf
Loads: BLC 11, WL5
Conexwest Shipping Containers
SK-34
Oct 15, 2025 at 09:37 PM
20x8.r3d
DOTEC
MMH
B2510092_000
X
Y
Z


-6.64 psf
-6.64 psf
-6.64 psf
-6.64 psf
Loads: BLC 12, WL6
Conexwest Shipping Containers
SK-35
Oct 15, 2025 at 09:37 PM
20x8.r3d
DOTEC
MMH
B2510092_000
X
Y
Z

Load Combinations

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
1	1	Yes	Y	DL	1	2	1										
2	3	Yes	Y	DL	1	3	1										
3	6	Yes	Y	DL	1	4	1										
4	IBC 21/ASCE ASD 8 (a)	Yes	Y	DL	1	ELX	0.7										
5	IBC 21/ASCE ASD 8 (b)	Yes	Y	DL	1	ELZ	0.7										
6	IBC 21/ASCE ASD 9 (a)	Yes	Y	DL	1	ELX	0.525	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75		
7	IBC 21/ASCE ASD 9 (b)	Yes	Y	DL	1	ELZ	0.525	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75		
8	IBC 21/ASCE ASD 10 (a)	Yes	Y	DL	0.6	ELX	0.7										
9	IBC 21/ASCE ASD 10 (b)	Yes	Y	DL	0.6	ELZ	0.7										
10	IBC 21/ASCE ASD 5 (a) (a)	Yes	Y	DL	1	WLX	0.6	WLX+R	0.6								
11	IBC 21/ASCE ASD 5 (a) (b)	Yes	Y	DL	1	WLZ	0.6	WLZ+R	0.6								
12	IBC 21/ASCE ASD 5 (a) (c)	Yes	Y	DL	1	WLX	-0.6	WLX-R	-0.6								
13	IBC 21/ASCE ASD 5 (a) (d)	Yes	Y	DL	1	WLZ	-0.6	WLZ-R	-0.6								
14	IBC 21/ASCE ASD 6 (a) (a)	Yes	Y	DL	1	WLX	0.45	LL	0.75	LLS	0.75	RLL	0.75	WLX+R	0.45		
15	IBC 21/ASCE ASD 6 (a) (b)	Yes	Y	DL	1	WLZ	0.45	LL	0.75	LLS	0.75	RLL	0.75	WLZ+R	0.45		
16	IBC 21/ASCE ASD 6 (a) (c)	Yes	Y	DL	1	WLX	-0.45	LL	0.75	LLS	0.75	RLL	0.75	WLX-R	-0.45		
17	IBC 21/ASCE ASD 6 (a) (d)	Yes	Y	DL	1	WLZ	-0.45	LL	0.75	LLS	0.75	RLL	0.75	WLZ-R	-0.45		
18	IBC 21/ASCE ASD 6 (b) (a)	Yes	Y	DL	1	WLX	0.45	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75	WLX+R	0.45
19	IBC 21/ASCE ASD 6 (b) (b)	Yes	Y	DL	1	WLZ	0.45	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75	WLZ+R	0.45
20	IBC 21/ASCE ASD 6 (b) (c)	Yes	Y	DL	1	WLX	-0.45	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75	WLX-R	-0.45
21	IBC 21/ASCE ASD 6 (b) (d)	Yes	Y	DL	1	WLZ	-0.45	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75	WLZ-R	-0.45
22	IBC 21/ASCE ASD 6 (c) (a)	Yes	Y	DL	1	WLX	0.45	LL	0.75	LLS	0.75	WLX+R	0.45				
23	IBC 21/ASCE ASD 6 (c) (b)	Yes	Y	DL	1	WLZ	0.45	LL	0.75	LLS	0.75	WLZ+R	0.45				
24	IBC 21/ASCE ASD 6 (c) (c)	Yes	Y	DL	1	WLX	-0.45	LL	0.75	LLS	0.75	WLX-R	-0.45				
25	IBC 21/ASCE ASD 6 (c) (d)	Yes	Y	DL	1	WLZ	-0.45	LL	0.75	LLS	0.75	WLZ-R	-0.45				
26	IBC 21/ASCE ASD 7 (a)	Yes	Y	DL	0.6	WLX	0.6	WLX+R	0.6								
27	IBC 21/ASCE ASD 7 (b)	Yes	Y	DL	0.6	WLZ	0.6	WLZ+R	0.6								
28	IBC 21/ASCE ASD 7 (c)	Yes	Y	DL	0.6	WLX	-0.6	WLX-R	-0.6								
29	IBC 21/ASCE ASD 7 (d)	Yes	Y	DL	0.6	WLZ	-0.6	WLZ-R	-0.6								
30	IBC 21/ASCE ASD 8 (a)	Yes	Y	DL	1	ELX	0.7										
31	IBC 21/ASCE ASD 8 (b)	Yes	Y	DL	1	ELZ	0.7										
32	IBC 21/ASCE ASD 9 (a)	Yes	Y	DL	1	ELX	0.525	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75		
33	IBC 21/ASCE ASD 9 (b)	Yes	Y	DL	1	ELZ	0.525	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75		
34	IBC 21/ASCE ASD 10 (a)	Yes	Y	DL	0.6	ELX	0.7										
35	IBC 21/ASCE ASD 10 (b)	Yes	Y	DL	0.6	ELZ	0.7										
36	IBC 21/ASCE ASD 8 (os-a)	Yes	Y	DL	1	Om*ELX	0.7										
37	IBC 21/ASCE ASD 8 (os-b)	Yes	Y	DL	1	Om*ELZ	0.7										
38	IBC 21/ASCE ASD 8 (os-c)	Yes	Y	DL	1	Om*ELX	-0.7										
39	IBC 21/ASCE ASD 8 (os-d)	Yes	Y	DL	1	Om*ELZ	-0.7										
40	IBC 21/ASCE ASD 9 (os-a)	Yes	Y	DL	1	Om*ELX	0.525	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75		
41	IBC 21/ASCE ASD 9 (os-b)	Yes	Y	DL	1	Om*ELZ	0.525	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75		
42	IBC 21/ASCE ASD 9 (os-c)	Yes	Y	DL	1	Om*ELX	-0.525	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75		
43	IBC 21/ASCE ASD 9 (os-d)	Yes	Y	DL	1	Om*ELZ	-0.525	LL	0.75	LLS	0.75	SL	0.75	SLN	0.75		
44	IBC 21/ASCE ASD 10 (os-a)	Yes	Y	DL	0.6	Om*ELX	0.7										
45	IBC 21/ASCE ASD 10 (os-b)	Yes	Y	DL	0.6	Om*ELZ	0.7										
46	IBC 21/ASCE ASD 10 (os-c)	Yes	Y	DL	0.6	Om*ELX	-0.7										
47	IBC 21/ASCE ASD 10 (os-d)	Yes	Y	DL	0.6	Om*ELZ	-0.7										

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks

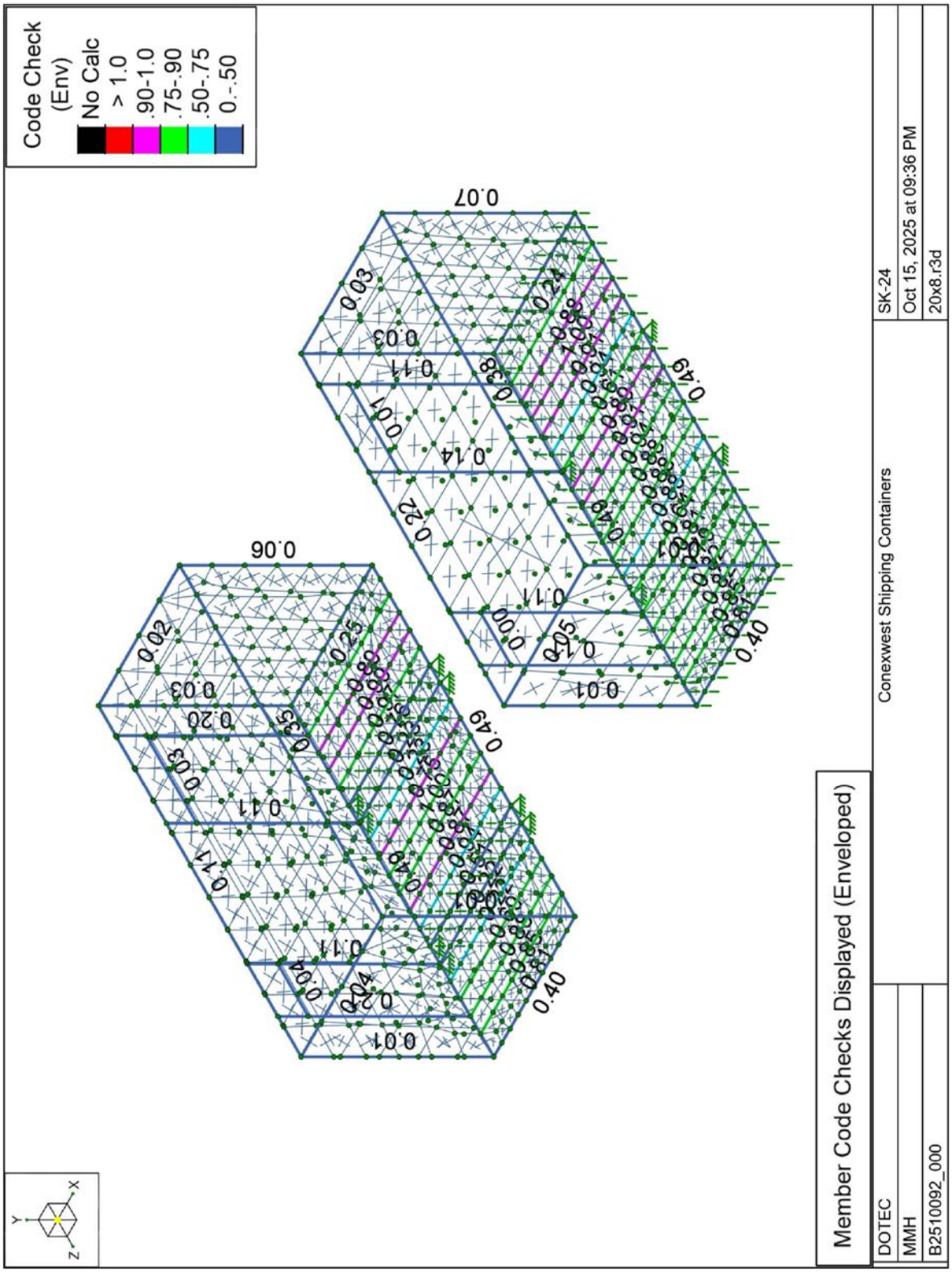
	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [lb-ft]	Mnzz/om [lb-ft]	Cb	Eqn
1	M3	G	0.026	1.781	3	0.025	1.781	z	3	26589.498	106792.814	1562.891	22074.251	3	H1-1b
2	M2	B	0.007	0	3	0.001	1.781	z	3	105960.927	115889.82	22735.329	21073.653	3	H1-1b
3	M4	G	0.064	9.5	31	0.035	8.313	z	31	26589.498	106792.814	1562.891	22074.251	3	H1-1b
4	M5	B	0.007	0	3	0.001	9.5	z	31	105960.927	115889.82	22735.329	21073.653	3	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape		Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [lb-ft]	Mnzz/om [lb-ft]	Cb	Eqn
5	M6	D		0.399	0	3	0.18	2	z	3	39108.44	53698.204	3416.479	8340.719	1.287	H1-1b
6	M7	FF		0.491	0	3	0.305	12.5	y	3	5234.982	37250.299	314.015	6231.737	3	H1-1b
7	M8	F		0.251	0	3	0.246	4.5	y	3	52485.152	60294.611	7844.91	9123.952	1.531	H1-1b
8	M9	FF		0.49	20	3	0.306	7.5	y	3	5234.982	37250.299	314.015	6231.737	3	H1-1b
9	M10	FFF		0.109	0	31	0.634	13.75	z	31	3230.569	41044.311	1346.829	6037.413	3	H1-1b
10	M11	EA		0.023	8	3	0.008	8	z	31	29744.464	107504.192	13580.831	23218.317	1.409	H2-1
11	M12	FFF		0.351	20	3	0.379	2.5	z	31	3230.569	41044.311	1346.829	6037.413	3	H1-1b
12	M13	C		0.04	2	3	0.012	0	z	31	14938.58	90862.275	3383.6	28589.369	1.389	H2-1
13	M14	A	A	0.893	3.5	3	0.092	7.5	y	3	5462.507	34491.018	980.601	3128.353	1.116	H1-1b
14	M15	A	A	0.993	3.5	3	0.053	5	y	3	5462.507	34491.018	980.601	3117.935	1.112	H1-1b
15	M16	A	A	0.974	4.5	3	0.06	0	y	3	5462.507	34491.018	980.601	3058.136	1.091	H1-1b
16	M17	A	A	0.761	3.5	3	0.08	6	y	3	5462.507	34491.018	980.601	3117.193	1.112	H1-1b
17	M18	A	A	0.227	8	3	0.117	7	y	3	5462.507	34491.018	980.601	4539.521	1.395	H1-1b
18	M19	A	A	0.226	0	3	0.116	1	y	3	5462.507	34491.018	980.601	3747.11	1.337	H1-1b
19	M20	A	A	0.751	4.5	3	0.124	7	y	3	5462.507	34491.018	980.601	3069.953	1.095	H1-1b
20	M21	A	A	0.999	3.5	3	0.048	6	y	3	5462.507	34491.018	980.601	3088.061	1.102	H1-1b
21	M22	A	A	0.869	4.5	3	0.038	8	y	3	5462.507	34491.018	980.601	3235.18	1.154	H1-1b
22	M23	A	A	0.873	3.5	3	0.033	0	y	3	5462.507	34491.018	980.601	3253.667	1.161	H1-1b
23	M24	A	A	0.944	4.5	3	0.061	1	y	3	5462.507	34491.018	980.601	3237.002	1.155	H1-1b
24	M25	A	A	0.514	3.5	3	0.112	7.5	y	3	5462.507	34491.018	980.601	4539.521	1.225	H1-1b
25	M26	A	A	0.222	0	3	0.143	1	y	3	5462.507	34491.018	980.601	2977.97	1.062	H1-1b
26	M27	A	A	0.223	0	3	0.113	2	y	3	5462.507	34491.018	980.601	2984.01	1.065	H1-1b
27	M28	A	A	0.689	4.5	3	0.116	7.5	y	3	5462.507	34491.018	980.601	3410.471	1.217	H1-1b
28	M29	A	A	0.878	3.5	3	0.044	6.5	y	3	5462.507	34491.018	980.601	3422.542	1.221	H1-1b
29	M30	A	A	0.845	3.5	3	0.054	8	y	3	5462.507	34491.018	980.601	3433.557	1.225	H1-1b
30	M31	A	A	0.811	3.5	3	0.056	1.5	y	3	5462.507	34491.018	980.601	3290.513	1.174	H1-1b
31	M32	G		0.028	0	3	0.017	1.781	z	3	26589.498	106792.814	1562.891	22074.251	3	H1-1b
32	M33	B		0.006	9.5	2	0	1.781	z	33	105960.927	115889.82	22735.329	21073.653	2.101	H1-1b
33	M34	G		0.071	9.5	2	0.035	8.313	z	31	26589.498	106792.814	1562.891	22074.251	3	H1-1b
34	M35	B		0.007	9.5	33	0.002	9.5	z	2	105960.927	115889.82	22735.329	21073.653	3	H1-1b
35	M36	D		0.404	0	3	0.18	2	z	3	39108.44	53698.204	3416.479	8340.719	1.51	H1-1b
36	M37	FF		0.487	0	3	0.25	1.25	z	3	5234.982	37250.299	314.015	3078.525	3	H1-1b
37	M38	F		0.24	0	3	0.231	4.5	y	3	52485.152	60294.611	7844.91	9123.952	2.579	H1-1b
38	M39	FF		0.488	20	3	0.25	18.75	z	3	5234.982	37250.299	314.015	3078.525	3	H1-1b
39	M40	FFF		0.219	20	3	0.925	6.25	z	3	3230.569	41044.311	1346.829	2681.151	1.332	H1-1b
40	M41	EA		0.029	8	33	0.012	8	z	2	29744.464	107504.192	13580.831	23218.317	1.486	H2-1
41	M42	FFF		0.375	20	2	0.392	15	z	2	3230.569	41044.311	1346.829	6037.413	3	H1-1b
42	M43	C		0.051	0	33	0.018	0	z	33	14938.58	90862.275	3383.6	28664.494	1.407	H2-1
43	M44	A	A	0.881	3.5	3	0.096	7	y	3	5462.507	34491.018	980.601	3141.178	1.121	H1-1b
44	M45	A	A	0.999	3.5	3	0.054	5	y	3	5462.507	34491.018	980.601	3114.557	1.111	H1-1b
45	M46	A	A	0.908	4.5	3	0.042	5	y	3	5462.507	34491.018	980.601	3058.712	1.091	H1-1b
46	M47	A	A	0.939	4.5	3	0.047	8	y	3	5462.507	34491.018	980.601	3096.409	1.105	H1-1b
47	M48	A	A	0.614	3.5	3	0.05	8	y	3	5462.507	34491.018	980.601	4539.521	1.095	H1-1b
48	M49	A	A	0.892	3.5	3	0.043	8	y	3	5462.507	34491.018	980.601	3126.432	1.115	H1-1b
49	M50	A	A	0.91	3.5	3	0.043	7	y	3	5462.507	34491.018	980.601	3073.071	1.096	H1-1b
50	M51	A	A	0.937	4.5	3	0.037	0	y	3	5462.507	34491.018	980.601	3084.904	1.101	H1-1b
51	M52	A	A	0.879	3.5	3	0.037	8	y	3	5462.507	34491.018	980.601	3241.871	1.157	H1-1b
52	M53	A	A	0.883	4.5	3	0.037	8	y	3	5462.507	34491.018	980.601	3248.247	1.159	H1-1b
53	M54	A	A	0.879	3.5	3	0.037	0	y	3	5462.507	34491.018	980.601	3244.59	1.158	H1-1b
54	M55	A	A	0.636	4.5	3	0.036	0	y	3	5462.507	34491.018	980.601	4539.521	1.225	H1-1b
55	M56	A	A	0.813	3.5	3	0.031	0	y	3	5462.507	34491.018	980.601	3438.657	1.227	H1-1b
56	M57	A	A	0.788	3.5	3	0.036	8	y	3	5462.507	34491.018	980.601	3500.285	1.249	H1-1b
57	M58	A	A	0.823	3.5	3	0.054	8	y	3	5462.507	34491.018	980.601	3425.862	1.222	H1-1b
58	M59	A	A	0.818	3.5	3	0.027	7	y	3	5462.507	34491.018	980.601	3417.887	1.219	H1-1b
59	M60	A	A	0.848	3.5	3	0.057	8	y	3	5462.507	34491.018	980.601	3446.611	1.23	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [lb-ft]	Mnzz/om [lb-ft]	Cb	Eqn
60	M61	A A	0.808	3.5	3	0.054	1.5	y	3	5462.507	34491.018	980.601	3288.39	1.173	H1-1b
61	M62	HSS2X2X1/8	0.207	0	3	0.037	9.5	y	3	6381.454	25823.353	1515.329	1515.329	2.162	H1-1b
62	M63	HSS2X2X1/8	0.111	9.5	3	0.041	9.5	y	3	6381.454	25823.353	1515.329	1515.329	3	H1-1b
63	M64	HSS2X2X1/8	0.038	3	3	0.045	3	z	3	22268.025	25823.353	1515.329	1515.329	2.416	H1-1b
64	M65	HSS2X2X1/8	0.198	0	3	0.029	9.5	y	3	6381.454	25823.353	1515.329	1515.329	2.153	H1-1b
65	M66	HSS2X2X1/8	0.108	9.5	3	0.027	9.5	y	3	6381.454	25823.353	1515.329	1515.329	3	H1-1b
66	M67	HSS2X2X1/8	0.028	0	3	0.033	5	z	3	17112.584	25823.353	1515.329	1515.329	1.873	H1-1b
67	M68	HSS2X2X1/8	0.003	2.063	33	0.005	0	y	3	22268.025	25823.353	1515.329	1515.329	1.261	H1-1b
68	M69	HSS2X2X1/8	0.141	0	3	0.022	9.5	z	3	6381.454	25823.353	1515.329	1515.329	1.424	H1-1b
69	M70	HSS2X2X1/8	0.111	9.5	3	0.007	9.5	z	3	6381.454	25823.353	1515.329	1515.329	1.028	H1-1b
70	M71	HSS2X2X1/8	0.106	7.719	3	0.01	9.5	z	33	6381.454	25823.353	1515.329	1515.329	1.014	H1-1b
71	M72	HSS2X2X1/8	0.111	8.313	3	0.022	9.5	z	3	6381.454	25823.353	1515.329	1515.329	1.071	H1-1b
72	M73	HSS2X2X1/8	0.006	5	33	0.012	5	y	3	17112.584	25823.353	1515.329	1515.329	1.618	H1-1b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(Env)
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> 1.0
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.75-.90
.50-.75
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SK-24
Oct 15, 2025 at 09:36 PM
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MMH
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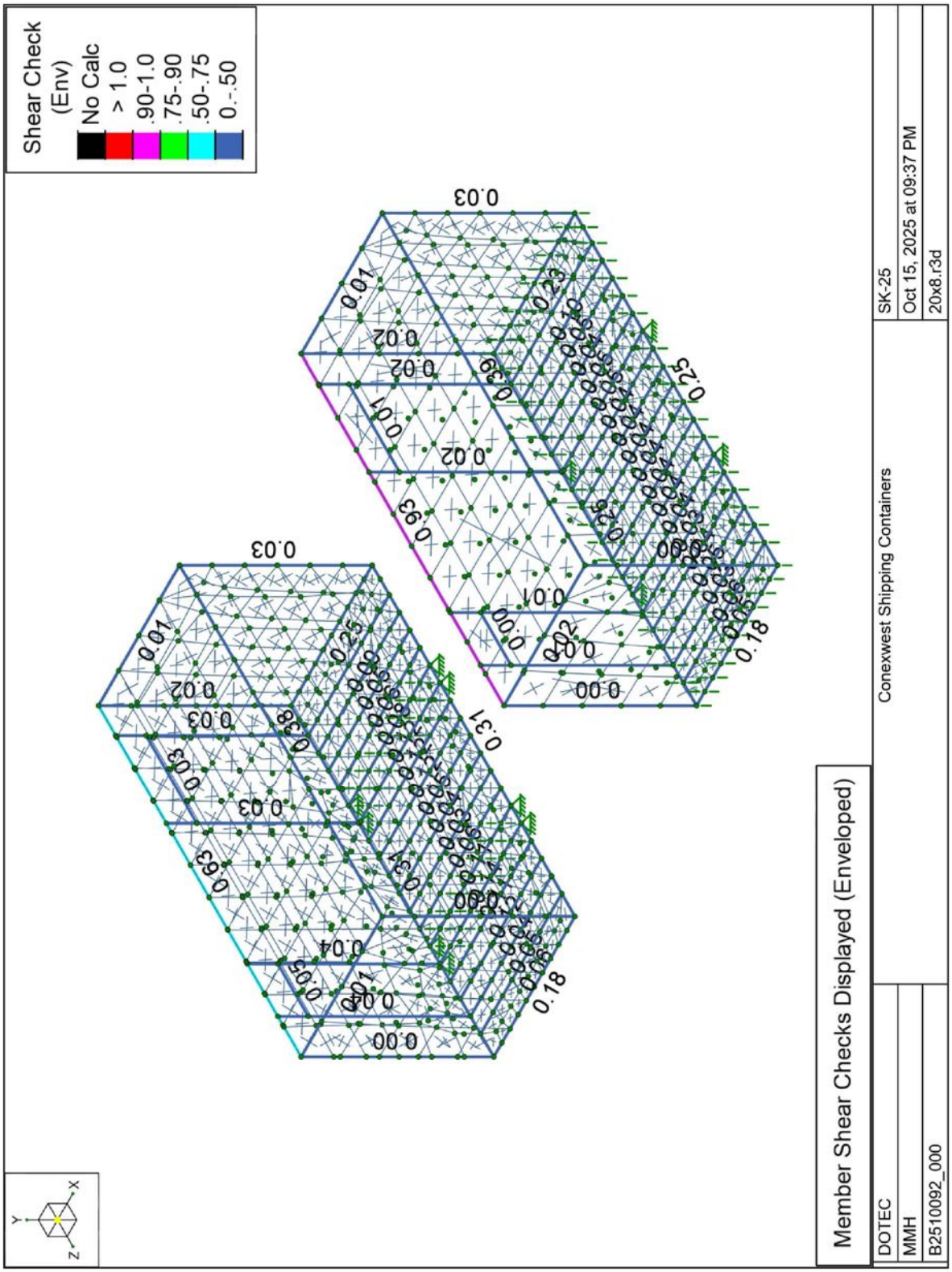
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Conexwest Shipping Containers
SK-25
Oct 15, 2025 at 09:37 PM
20x8.r3d
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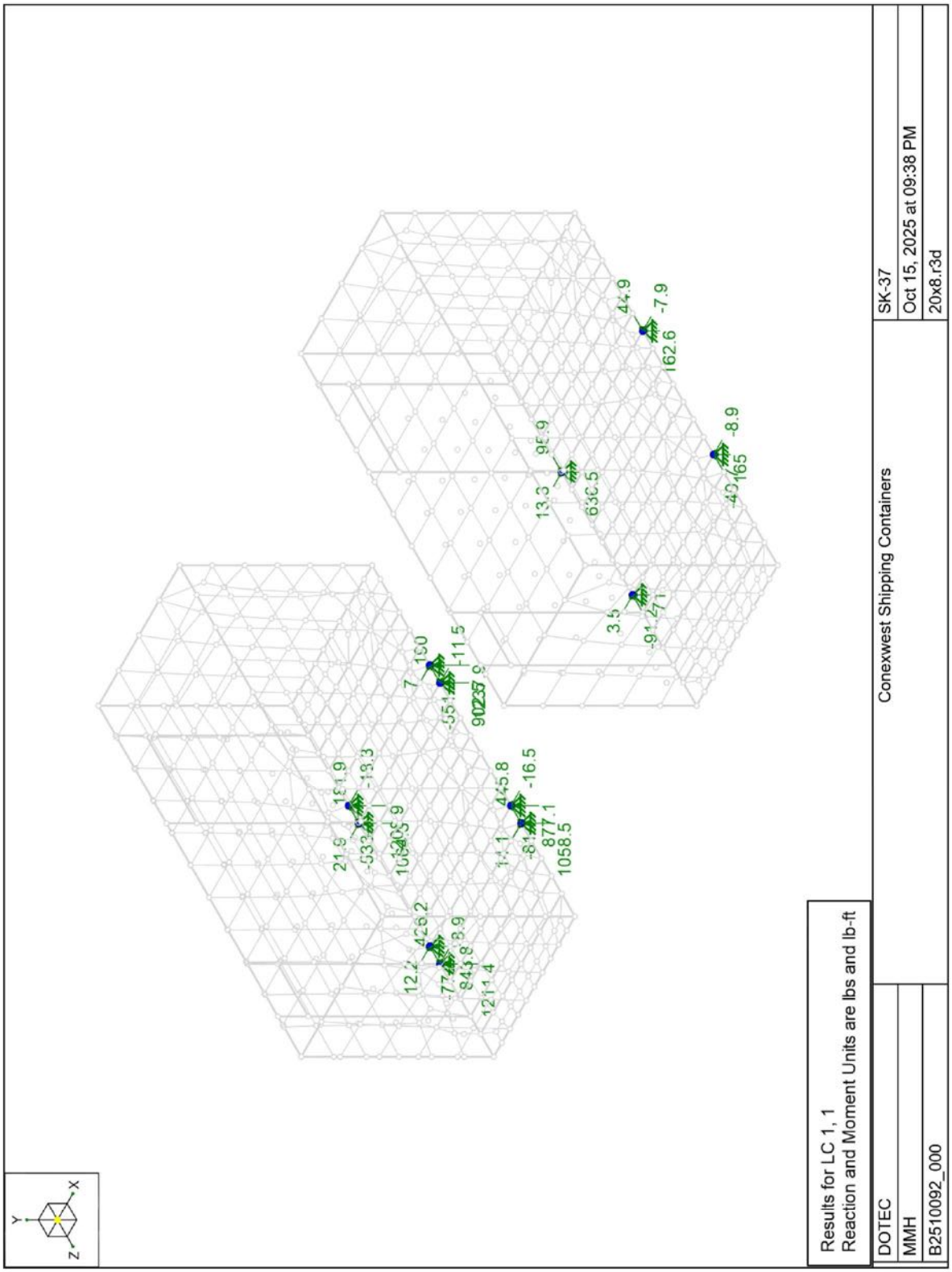
MMH
B2510092_000


Results for LC 1, 1
Reaction and Moment Units are lbs and lb-ft
DOTEC
MMH
B2510092_000
Conexwest Shipping Containers
SK-37
Oct 15, 2025 at 09:38 PM
20x8.r3d
X
Y
Z

Node Reactions

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1	1	N454	0	90.88	0	0	0	0
2	1	N486	0	128.53	0	0	0	0
3	1	N448	0	85.598	0	0	0	0
4	1	N794	0	-6.117	0	0	0	0
5	1	N867	0	6.033	0	0	0	0
6	1	N840	0	19.212	0	0	0	0
7	1	N842	0	-18.134	0	0	0	0
8	1	N859	0	12.844	0	0	0	0
9	1	N449	0	170.693	0	0	0	0
10	1	N460	0	98.893	0	0	0	0
11	1	N451	0	168.002	0	0	0	0
12	1	N849	0	18.376	0	0	0	0
13	1	N452	0	88.921	0	0	0	0
14	1	N462	0	79.6	0	0	0	0
15	1	N453	0	169.066	0	0	0	0
16	1	N455	-7.932	162.607	44.939	0	0	0
17	1	N457	0	168.16	0	0	0	0
18	1	N854	0	22.275	0	0	0	0
19	1	N459	0	171.921	0	0	0	0
20	1	N464	0	94.57	0	0	0	0
21	1	N481	0	123.083	0	0	0	0
22	1	N480	0	62.68	0	0	0	0
23	1	N469	-8.865	164.964	-49.667	0	0	0
24	1	N465	0	172.291	0	0	0	0
25	1	N868	0	19.182	0	0	0	0
26	1	N463	0	171.054	0	0	0	0
27	1	N436	0	416.149	0	0	0	0
28	1	N467	0	171.895	0	0	0	0
29	1	N450	0	87.95	0	0	0	0
30	1	N468	0	98.517	0	0	0	0
31	1	N471	0	161.41	0	0	0	0
32	1	N483	0	127.708	0	0	0	0
33	1	N472	0	664.707	0	0	0	0
34	1	N475	0	164.616	0	0	0	0
35	1	N864	0	19.026	0	0	0	0
36	1	N474	0	74.091	0	0	0	0
37	1	N476	0	89.33	0	0	0	0
38	1	N438	0	367.933	0	0	0	0
39	1	N477	0	163.001	0	0	0	0
40	1	N470	3.462	70.977	-91.163	0	0	0
41	1	N440	0	357.902	0	0	0	0
42	1	N456	13.335	636.483	95.891	0	0	0
43	1	N442	0	372.105	0	0	0	0
44	1	N466	0	79.437	0	0	0	0
45	1	N478	0	212.551	0	0	0	0
46	1	N485	0	131.34	0	0	0	0
47	1	N445	0	194.181	0	0	0	0
48	1	N479	0	174.292	0	0	0	0
49	1	N487	0	128.786	0	0	0	0
50	1	N482	0	124.299	0	0	0	0
51	1	N446	0	192.4	0	0	0	0
52	1	N488	0	130.453	0	0	0	0
53	1	N447	0	161.303	0	0	0	0
54	1	N762	0	17.186	0	0	0	0
55	1	N775	0	16.119	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
56	1	N785	0	14.923	0	0	0	0
57	1	N461	0	173.676	0	0	0	0
58	1	N484	0	132.932	0	0	0	0
59	1	N458	0	65.189	0	0	0	0
60	1	N473	0	163.331	0	0	0	0
61	1	N20	7.018	1237.949	-551.167	0	0	0
62	1	N385	0	18.635	0	0	0	0
63	1	N401	0	28.907	0	0	0	0
64	1	N21	-18.338	1208.927	-533.739	0	0	0
65	1	N325	0	25.103	0	0	0	0
66	1	N387	0	25.637	0	0	0	0
67	1	N308	0	24.187	0	0	0	0
68	1	N323	0	24.922	0	0	0	0
69	1	N309	0	16.552	0	0	0	0
70	1	N395	0	12.99	0	0	0	0
71	1	N374	0	27.889	0	0	0	0
72	1	N375	0	17.794	0	0	0	0
73	1	N390	0	18.161	0	0	0	0
74	1	N398	0	26.419	0	0	0	0
75	1	N22	-11.459	902.476	189.962	0	0	0
76	1	N23	21.862	1064.343	181.884	0	0	0
77	1	N381	0	14.665	0	0	0	0
78	1	N383	0	23.839	0	0	0	0
79	1	N373	0	20.393	0	0	0	0
80	1	N376	0	36.997	0	0	0	0
81	1	N389	0	-63.205	0	0	0	0
82	1	N396	0	48.682	0	0	0	0
83	1	N36	-16.492	877.094	-81.713	0	0	0
84	1	N37	12.243	843.754	-77.211	0	0	0
85	1	N294	0	23.738	0	0	0	0
86	1	N307	0	17.146	0	0	0	0
87	1	N312	0	14.789	0	0	0	0
88	1	N39	-8.92	1211.36	426.201	0	0	0
89	1	N38	14.087	1058.505	445.783	0	0	0
90	1	N293	0	27.595	0	0	0	0
91	1	N306	0	-51.819	0	0	0	0
92	1	N310	0	30.451	0	0	0	0
93	1	N322	0	23.368	0	0	0	0
94	1	N324	0	19.253	0	0	0	0
95	1	N326	0	23.92	0	0	0	0
96	1	N363	0	45.825	0	0	0	0
97	1	Totals:	0	17528.63	0			
98	1	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
99	2	N454	0	100.324	0	0	0	0
100	2	N486	0	153.957	0	0	0	0
101	2	N448	0	85.345	0	0	0	0
102	2	N794	0	-11.937	0	0	0	0
103	2	N867	0	4.367	0	0	0	0
104	2	N840	0	18.283	0	0	0	0
105	2	N842	0	-32.433	0	0	0	0
106	2	N859	0	11.652	0	0	0	0
107	2	N449	0	202.254	0	0	0	0
108	2	N460	0	100.162	0	0	0	0
109	2	N451	0	203.654	0	0	0	0
110	2	N849	0	18.252	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
111	2	N452	0	86.231	0	0	0	0
112	2	N462	0	79.306	0	0	0	0
113	2	N453	0	208.777	0	0	0	0
114	2	N455	-4.945	202.546	92.473	0	0	0
115	2	N457	0	208.837	0	0	0	0
116	2	N854	0	22.274	0	0	0	0
117	2	N459	0	214.116	0	0	0	0
118	2	N464	0	94.633	0	0	0	0
119	2	N481	0	141.579	0	0	0	0
120	2	N480	0	42.743	0	0	0	0
121	2	N469	-10.976	205.547	-99.86	0	0	0
122	2	N465	0	214.674	0	0	0	0
123	2	N868	0	19.173	0	0	0	0
124	2	N463	0	214.514	0	0	0	0
125	2	N436	0	554.323	0	0	0	0
126	2	N467	0	212.727	0	0	0	0
127	2	N450	0	88.592	0	0	0	0
128	2	N468	0	98.432	0	0	0	0
129	2	N471	0	200.295	0	0	0	0
130	2	N483	0	150.558	0	0	0	0
131	2	N472	0	1024.128	0	0	0	0
132	2	N475	0	196.514	0	0	0	0
133	2	N864	0	18.632	0	0	0	0
134	2	N474	0	74.203	0	0	0	0
135	2	N476	0	87.432	0	0	0	0
136	2	N438	0	437.435	0	0	0	0
137	2	N477	0	191.741	0	0	0	0
138	2	N470	2.535	71.354	-157.96	0	0	0
139	2	N440	0	448.825	0	0	0	0
140	2	N456	13.387	970.115	165.347	0	0	0
141	2	N442	0	475.255	0	0	0	0
142	2	N466	0	79.442	0	0	0	0
143	2	N478	0	223.794	0	0	0	0
144	2	N485	0	157.922	0	0	0	0
145	2	N445	0	224.784	0	0	0	0
146	2	N479	0	200.168	0	0	0	0
147	2	N487	0	154.46	0	0	0	0
148	2	N482	0	144.491	0	0	0	0
149	2	N446	0	196.458	0	0	0	0
150	2	N488	0	157.814	0	0	0	0
151	2	N447	0	188.734	0	0	0	0
152	2	N762	0	17.185	0	0	0	0
153	2	N775	0	16.092	0	0	0	0
154	2	N785	0	14.76	0	0	0	0
155	2	N461	0	216.902	0	0	0	0
156	2	N484	0	160.037	0	0	0	0
157	2	N458	0	59.693	0	0	0	0
158	2	N473	0	199.258	0	0	0	0
159	2	N20	7.018	1237.949	-551.167	0	0	0
160	2	N385	0	18.635	0	0	0	0
161	2	N401	0	28.907	0	0	0	0
162	2	N21	-18.338	1208.927	-533.739	0	0	0
163	2	N325	0	25.103	0	0	0	0
164	2	N387	0	25.637	0	0	0	0
165	2	N308	0	24.187	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
166	2	N323	0	24.922	0	0	0	0
167	2	N309	0	16.552	0	0	0	0
168	2	N395	0	12.99	0	0	0	0
169	2	N374	0	27.889	0	0	0	0
170	2	N375	0	17.794	0	0	0	0
171	2	N390	0	18.161	0	0	0	0
172	2	N398	0	26.419	0	0	0	0
173	2	N22	-11.459	902.476	189.962	0	0	0
174	2	N23	21.862	1064.343	181.884	0	0	0
175	2	N381	0	14.665	0	0	0	0
176	2	N383	0	23.839	0	0	0	0
177	2	N373	0	20.393	0	0	0	0
178	2	N376	0	36.997	0	0	0	0
179	2	N389	0	-63.205	0	0	0	0
180	2	N396	0	48.682	0	0	0	0
181	2	N36	-16.492	877.094	-81.713	0	0	0
182	2	N37	12.243	843.754	-77.211	0	0	0
183	2	N294	0	23.738	0	0	0	0
184	2	N307	0	17.146	0	0	0	0
185	2	N312	0	14.789	0	0	0	0
186	2	N39	-8.92	1211.36	426.201	0	0	0
187	2	N38	14.087	1058.505	445.783	0	0	0
188	2	N293	0	27.595	0	0	0	0
189	2	N306	0	-51.819	0	0	0	0
190	2	N310	0	30.451	0	0	0	0
191	2	N322	0	23.368	0	0	0	0
192	2	N324	0	19.253	0	0	0	0
193	2	N326	0	23.92	0	0	0	0
194	2	N363	0	45.825	0	0	0	0
195	2	Totals:	0	19448.63	0			
196	2	COG (ft):	X: 14.814	Y: 4.375	Z: 10.027			
197	3	N454	0	1323.757	0	0	0	0
198	3	N486	0	339.058	0	0	0	0
199	3	N448	0	1392.572	0	0	0	0
200	3	N794	0	103.189	0	0	0	0
201	3	N867	0	111.888	0	0	0	0
202	3	N840	0	316.436	0	0	0	0
203	3	N842	0	145.513	0	0	0	0
204	3	N859	0	183.584	0	0	0	0
205	3	N449	0	1421.878	0	0	0	0
206	3	N460	0	1365.146	0	0	0	0
207	3	N451	0	1407.377	0	0	0	0
208	3	N849	0	233.951	0	0	0	0
209	3	N452	0	1339.997	0	0	0	0
210	3	N462	0	1318.336	0	0	0	0
211	3	N453	0	1419.524	0	0	0	0
212	3	N455	-19.531	1384.528	18.436	0	0	0
213	3	N457	0	1415.113	0	0	0	0
214	3	N854	0	343.144	0	0	0	0
215	3	N459	0	1416.328	0	0	0	0
216	3	N464	0	1354.655	0	0	0	0
217	3	N481	0	306.598	0	0	0	0
218	3	N480	0	1324.684	0	0	0	0
219	3	N469	-14.799	1405.213	-25.108	0	0	0
220	3	N465	0	1426.79	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
221	3	N868	0	237.111	0	0	0	0
222	3	N463	0	1412.721	0	0	0	0
223	3	N436	0	405.557	0	0	0	0
224	3	N467	0	1420.151	0	0	0	0
225	3	N450	0	1332.458	0	0	0	0
226	3	N468	0	1366.341	0	0	0	0
227	3	N471	0	1387.709	0	0	0	0
228	3	N483	0	369.744	0	0	0	0
229	3	N472	0	1984.24	0	0	0	0
230	3	N475	0	1387.819	0	0	0	0
231	3	N864	0	289.644	0	0	0	0
232	3	N474	0	1311.402	0	0	0	0
233	3	N476	0	1310.956	0	0	0	0
234	3	N438	0	356.97	0	0	0	0
235	3	N477	0	1463.651	0	0	0	0
236	3	N470	7.174	1291.284	-113.821	0	0	0
237	3	N440	0	483.461	0	0	0	0
238	3	N456	27.156	1950.873	120.494	0	0	0
239	3	N442	0	482.391	0	0	0	0
240	3	N466	0	1317.67	0	0	0	0
241	3	N478	0	1591.41	0	0	0	0
242	3	N485	0	324.882	0	0	0	0
243	3	N445	0	1583.312	0	0	0	0
244	3	N479	0	1433.034	0	0	0	0
245	3	N487	0	334.346	0	0	0	0
246	3	N482	0	344.8	0	0	0	0
247	3	N446	0	1652.809	0	0	0	0
248	3	N488	0	298.489	0	0	0	0
249	3	N447	0	1474.366	0	0	0	0
250	3	N762	0	259.719	0	0	0	0
251	3	N775	0	238.14	0	0	0	0
252	3	N785	0	208.362	0	0	0	0
253	3	N461	0	1429.338	0	0	0	0
254	3	N484	0	365.41	0	0	0	0
255	3	N458	0	1288.821	0	0	0	0
256	3	N473	0	1412.735	0	0	0	0
257	3	N20	71.605	7176.796	-3025.155	0	0	0
258	3	N385	0	375.392	0	0	0	0
259	3	N401	0	382.214	0	0	0	0
260	3	N21	-84.338	6935.466	-2965.892	0	0	0
261	3	N325	0	362.673	0	0	0	0
262	3	N387	0	380.079	0	0	0	0
263	3	N308	0	396.068	0	0	0	0
264	3	N323	0	464.847	0	0	0	0
265	3	N309	0	425.468	0	0	0	0
266	3	N395	0	381.368	0	0	0	0
267	3	N374	0	511.87	0	0	0	0
268	3	N375	0	288.193	0	0	0	0
269	3	N390	0	382.419	0	0	0	0
270	3	N398	0	512.636	0	0	0	0
271	3	N22	-7.197	5417.72	1408.89	0	0	0
272	3	N23	14.987	5782.246	1348.691	0	0	0
273	3	N381	0	354.052	0	0	0	0
274	3	N383	0	340.463	0	0	0	0
275	3	N373	0	385.863	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
276	3	N376	0	591.238	0	0	0	0
277	3	N389	0	307.823	0	0	0	0
278	3	N396	0	353.036	0	0	0	0
279	3	N36	-37.422	5237.023	-736.12	0	0	0
280	3	N37	40.485	5014.659	-691.039	0	0	0
281	3	N294	0	466.718	0	0	0	0
282	3	N307	0	376.289	0	0	0	0
283	3	N312	0	362.453	0	0	0	0
284	3	N39	-106.385	6272.233	2302.081	0	0	0
285	3	N38	108.266	5985.657	2358.543	0	0	0
286	3	N293	0	364.899	0	0	0	0
287	3	N306	0	345.641	0	0	0	0
288	3	N310	0	488.972	0	0	0	0
289	3	N322	0	428.745	0	0	0	0
290	3	N324	0	367.624	0	0	0	0
291	3	N326	0	355.056	0	0	0	0
292	3	N363	0	353.346	0	0	0	0
293	3	Totals:	0	117528.63	0			
294	3	COG (ft):	X: 13.973	Y: 0.569	Z: 10.005			
295	4	N454	0	90.88	0	0	0	0
296	4	N486	0	128.53	0	0	0	0
297	4	N448	0	85.598	0	0	0	0
298	4	N794	0	-6.117	0	0	0	0
299	4	N867	0	6.033	0	0	0	0
300	4	N840	0	19.212	0	0	0	0
301	4	N842	0	-18.134	0	0	0	0
302	4	N859	0	12.844	0	0	0	0
303	4	N449	0	170.693	0	0	0	0
304	4	N460	0	98.893	0	0	0	0
305	4	N451	0	168.002	0	0	0	0
306	4	N849	0	18.376	0	0	0	0
307	4	N452	0	88.921	0	0	0	0
308	4	N462	0	79.6	0	0	0	0
309	4	N453	0	169.066	0	0	0	0
310	4	N455	-7.932	162.607	44.939	0	0	0
311	4	N457	0	168.16	0	0	0	0
312	4	N854	0	22.275	0	0	0	0
313	4	N459	0	171.921	0	0	0	0
314	4	N464	0	94.57	0	0	0	0
315	4	N481	0	123.083	0	0	0	0
316	4	N480	0	62.68	0	0	0	0
317	4	N469	-8.865	164.964	-49.667	0	0	0
318	4	N465	0	172.291	0	0	0	0
319	4	N868	0	19.182	0	0	0	0
320	4	N463	0	171.054	0	0	0	0
321	4	N436	0	416.149	0	0	0	0
322	4	N467	0	171.895	0	0	0	0
323	4	N450	0	87.95	0	0	0	0
324	4	N468	0	98.517	0	0	0	0
325	4	N471	0	161.41	0	0	0	0
326	4	N483	0	127.708	0	0	0	0
327	4	N472	0	664.707	0	0	0	0
328	4	N475	0	164.616	0	0	0	0
329	4	N864	0	19.026	0	0	0	0
330	4	N474	0	74.091	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
331	4	N476	0	89.33	0	0	0	0
332	4	N438	0	367.933	0	0	0	0
333	4	N477	0	163.001	0	0	0	0
334	4	N470	3.462	70.977	-91.163	0	0	0
335	4	N440	0	357.902	0	0	0	0
336	4	N456	13.335	636.483	95.891	0	0	0
337	4	N442	0	372.105	0	0	0	0
338	4	N466	0	79.437	0	0	0	0
339	4	N478	0	212.551	0	0	0	0
340	4	N485	0	131.34	0	0	0	0
341	4	N445	0	194.181	0	0	0	0
342	4	N479	0	174.292	0	0	0	0
343	4	N487	0	128.786	0	0	0	0
344	4	N482	0	124.299	0	0	0	0
345	4	N446	0	192.4	0	0	0	0
346	4	N488	0	130.453	0	0	0	0
347	4	N447	0	161.303	0	0	0	0
348	4	N762	0	17.186	0	0	0	0
349	4	N775	0	16.119	0	0	0	0
350	4	N785	0	14.923	0	0	0	0
351	4	N461	0	173.676	0	0	0	0
352	4	N484	0	132.932	0	0	0	0
353	4	N458	0	65.189	0	0	0	0
354	4	N473	0	163.331	0	0	0	0
355	4	N20	7.018	1237.949	-551.167	0	0	0
356	4	N385	0	18.635	0	0	0	0
357	4	N401	0	28.907	0	0	0	0
358	4	N21	-18.338	1208.927	-533.739	0	0	0
359	4	N325	0	25.103	0	0	0	0
360	4	N387	0	25.637	0	0	0	0
361	4	N308	0	24.187	0	0	0	0
362	4	N323	0	24.922	0	0	0	0
363	4	N309	0	16.552	0	0	0	0
364	4	N395	0	12.99	0	0	0	0
365	4	N374	0	27.889	0	0	0	0
366	4	N375	0	17.794	0	0	0	0
367	4	N390	0	18.161	0	0	0	0
368	4	N398	0	26.419	0	0	0	0
369	4	N22	-11.459	902.476	189.962	0	0	0
370	4	N23	21.862	1064.343	181.884	0	0	0
371	4	N381	0	14.665	0	0	0	0
372	4	N383	0	23.839	0	0	0	0
373	4	N373	0	20.393	0	0	0	0
374	4	N376	0	36.997	0	0	0	0
375	4	N389	0	-63.205	0	0	0	0
376	4	N396	0	48.682	0	0	0	0
377	4	N36	-16.492	877.094	-81.713	0	0	0
378	4	N37	12.243	843.754	-77.211	0	0	0
379	4	N294	0	23.738	0	0	0	0
380	4	N307	0	17.146	0	0	0	0
381	4	N312	0	14.789	0	0	0	0
382	4	N39	-8.92	1211.36	426.201	0	0	0
383	4	N38	14.087	1058.505	445.783	0	0	0
384	4	N293	0	27.595	0	0	0	0
385	4	N306	0	-51.819	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
386	4	N310	0	30.451	0	0	0	0
387	4	N322	0	23.368	0	0	0	0
388	4	N324	0	19.253	0	0	0	0
389	4	N326	0	23.92	0	0	0	0
390	4	N363	0	45.825	0	0	0	0
391	4	Totals:	0	17528.63	0			
392	4	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
393	5	N454	0	90.88	0	0	0	0
394	5	N486	0	128.53	0	0	0	0
395	5	N448	0	85.598	0	0	0	0
396	5	N794	0	-6.117	0	0	0	0
397	5	N867	0	6.033	0	0	0	0
398	5	N840	0	19.212	0	0	0	0
399	5	N842	0	-18.134	0	0	0	0
400	5	N859	0	12.844	0	0	0	0
401	5	N449	0	170.693	0	0	0	0
402	5	N460	0	98.893	0	0	0	0
403	5	N451	0	168.002	0	0	0	0
404	5	N849	0	18.376	0	0	0	0
405	5	N452	0	88.921	0	0	0	0
406	5	N462	0	79.6	0	0	0	0
407	5	N453	0	169.066	0	0	0	0
408	5	N455	-7.932	162.607	44.939	0	0	0
409	5	N457	0	168.16	0	0	0	0
410	5	N854	0	22.275	0	0	0	0
411	5	N459	0	171.921	0	0	0	0
412	5	N464	0	94.57	0	0	0	0
413	5	N481	0	123.083	0	0	0	0
414	5	N480	0	62.68	0	0	0	0
415	5	N469	-8.865	164.964	-49.667	0	0	0
416	5	N465	0	172.291	0	0	0	0
417	5	N868	0	19.182	0	0	0	0
418	5	N463	0	171.054	0	0	0	0
419	5	N436	0	416.149	0	0	0	0
420	5	N467	0	171.895	0	0	0	0
421	5	N450	0	87.95	0	0	0	0
422	5	N468	0	98.517	0	0	0	0
423	5	N471	0	161.41	0	0	0	0
424	5	N483	0	127.708	0	0	0	0
425	5	N472	0	664.707	0	0	0	0
426	5	N475	0	164.616	0	0	0	0
427	5	N864	0	19.026	0	0	0	0
428	5	N474	0	74.091	0	0	0	0
429	5	N476	0	89.33	0	0	0	0
430	5	N438	0	367.933	0	0	0	0
431	5	N477	0	163.001	0	0	0	0
432	5	N470	3.462	70.977	-91.163	0	0	0
433	5	N440	0	357.902	0	0	0	0
434	5	N456	13.335	636.483	95.891	0	0	0
435	5	N442	0	372.105	0	0	0	0
436	5	N466	0	79.437	0	0	0	0
437	5	N478	0	212.551	0	0	0	0
438	5	N485	0	131.34	0	0	0	0
439	5	N445	0	194.181	0	0	0	0
440	5	N479	0	174.292	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
441	5	N487	0	128.786	0	0	0	0
442	5	N482	0	124.299	0	0	0	0
443	5	N446	0	192.4	0	0	0	0
444	5	N488	0	130.453	0	0	0	0
445	5	N447	0	161.303	0	0	0	0
446	5	N762	0	17.186	0	0	0	0
447	5	N775	0	16.119	0	0	0	0
448	5	N785	0	14.923	0	0	0	0
449	5	N461	0	173.676	0	0	0	0
450	5	N484	0	132.932	0	0	0	0
451	5	N458	0	65.189	0	0	0	0
452	5	N473	0	163.331	0	0	0	0
453	5	N20	7.018	1237.949	-551.167	0	0	0
454	5	N385	0	18.635	0	0	0	0
455	5	N401	0	28.907	0	0	0	0
456	5	N21	-18.338	1208.927	-533.739	0	0	0
457	5	N325	0	25.103	0	0	0	0
458	5	N387	0	25.637	0	0	0	0
459	5	N308	0	24.187	0	0	0	0
460	5	N323	0	24.922	0	0	0	0
461	5	N309	0	16.552	0	0	0	0
462	5	N395	0	12.99	0	0	0	0
463	5	N374	0	27.889	0	0	0	0
464	5	N375	0	17.794	0	0	0	0
465	5	N390	0	18.161	0	0	0	0
466	5	N398	0	26.419	0	0	0	0
467	5	N22	-11.459	902.476	189.962	0	0	0
468	5	N23	21.862	1064.343	181.884	0	0	0
469	5	N381	0	14.665	0	0	0	0
470	5	N383	0	23.839	0	0	0	0
471	5	N373	0	20.393	0	0	0	0
472	5	N376	0	36.997	0	0	0	0
473	5	N389	0	-63.205	0	0	0	0
474	5	N396	0	48.682	0	0	0	0
475	5	N36	-16.492	877.094	-81.713	0	0	0
476	5	N37	12.243	843.754	-77.211	0	0	0
477	5	N294	0	23.738	0	0	0	0
478	5	N307	0	17.146	0	0	0	0
479	5	N312	0	14.789	0	0	0	0
480	5	N39	-8.92	1211.36	426.201	0	0	0
481	5	N38	14.087	1058.505	445.783	0	0	0
482	5	N293	0	27.595	0	0	0	0
483	5	N306	0	-51.819	0	0	0	0
484	5	N310	0	30.451	0	0	0	0
485	5	N322	0	23.368	0	0	0	0
486	5	N324	0	19.253	0	0	0	0
487	5	N326	0	23.92	0	0	0	0
488	5	N363	0	45.825	0	0	0	0
489	5	Totals:	0	17528.63	0			
490	5	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
491	6	N454	0	1025.586	0	0	0	0
492	6	N486	0	313.443	0	0	0	0
493	6	N448	0	1065.563	0	0	0	0
494	6	N794	0	69.681	0	0	0	0
495	6	N867	0	83.652	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
496	6	N840	0	241.149	0	0	0	0
497	6	N842	0	89.417	0	0	0	0
498	6	N859	0	139.631	0	0	0	0
499	6	N449	0	1142.614	0	0	0	0
500	6	N460	0	1049.921	0	0	0	0
501	6	N451	0	1135.411	0	0	0	0
502	6	N849	0	179.926	0	0	0	0
503	6	N452	0	1024.362	0	0	0	0
504	6	N462	0	1008.35	0	0	0	0
505	6	N453	0	1149.105	0	0	0	0
506	6	N455	-13.469	1121.495	75.543	0	0	0
507	6	N457	0	1146.593	0	0	0	0
508	6	N854	0	262.931	0	0	0	0
509	6	N459	0	1150.058	0	0	0	0
510	6	N464	0	1039.691	0	0	0	0
511	6	N481	0	280.364	0	0	0	0
512	6	N480	0	988.002	0	0	0	0
513	6	N469	-15.565	1138.274	-84.562	0	0	0
514	6	N465	0	1158.194	0	0	0	0
515	6	N868	0	182.619	0	0	0	0
516	6	N463	0	1148.48	0	0	0	0
517	6	N436	0	554.958	0	0	0	0
518	6	N467	0	1151.467	0	0	0	0
519	6	N450	0	1022.016	0	0	0	0
520	6	N468	0	1049.278	0	0	0	0
521	6	N471	0	1122.463	0	0	0	0
522	6	N483	0	333.515	0	0	0	0
523	6	N472	0	2036.183	0	0	0	0
524	6	N475	0	1115.911	0	0	0	0
525	6	N864	0	221.573	0	0	0	0
526	6	N474	0	1002.215	0	0	0	0
527	6	N476	0	1003.523	0	0	0	0
528	6	N438	0	433.512	0	0	0	0
529	6	N477	0	1169.03	0	0	0	0
530	6	N470	5.26	986.64	-179.142	0	0	0
531	6	N440	0	548.715	0	0	0	0
532	6	N456	23.775	1976.731	188.161	0	0	0
533	6	N442	0	564.454	0	0	0	0
534	6	N466	0	1008.13	0	0	0	0
535	6	N478	0	1258.64	0	0	0	0
536	6	N485	0	304.747	0	0	0	0
537	6	N445	0	1268.557	0	0	0	0
538	6	N479	0	1145.846	0	0	0	0
539	6	N487	0	310.231	0	0	0	0
540	6	N482	0	311.126	0	0	0	0
541	6	N446	0	1292.002	0	0	0	0
542	6	N488	0	285.543	0	0	0	0
543	6	N447	0	1175.253	0	0	0	0
544	6	N762	0	199.085	0	0	0	0
545	6	N775	0	182.605	0	0	0	0
546	6	N785	0	159.828	0	0	0	0
547	6	N461	0	1161.347	0	0	0	0
548	6	N484	0	336.096	0	0	0	0
549	6	N458	0	977.088	0	0	0	0
550	6	N473	0	1138.563	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
551	6	N20	55.461	5692.099	-2406.654	0	0	0
552	6	N385	0	286.2	0	0	0	0
553	6	N401	0	293.895	0	0	0	0
554	6	N21	-67.845	5503.831	-2357.843	0	0	0
555	6	N325	0	278.283	0	0	0	0
556	6	N387	0	291.473	0	0	0	0
557	6	N308	0	303.099	0	0	0	0
558	6	N323	0	354.869	0	0	0	0
559	6	N309	0	323.223	0	0	0	0
560	6	N395	0	289.262	0	0	0	0
561	6	N374	0	390.877	0	0	0	0
562	6	N375	0	220.581	0	0	0	0
563	6	N390	0	291.347	0	0	0	0
564	6	N398	0	391.082	0	0	0	0
565	6	N22	-8.262	4288.912	1104.153	0	0	0
566	6	N23	16.706	4602.81	1056.986	0	0	0
567	6	N381	0	269.205	0	0	0	0
568	6	N383	0	261.308	0	0	0	0
569	6	N373	0	294.49	0	0	0	0
570	6	N376	0	452.692	0	0	0	0
571	6	N389	0	215.003	0	0	0	0
572	6	N396	0	276.969	0	0	0	0
573	6	N36	-32.19	4147.037	-572.515	0	0	0
574	6	N37	33.435	3971.924	-537.579	0	0	0
575	6	N294	0	355.975	0	0	0	0
576	6	N307	0	286.495	0	0	0	0
577	6	N312	0	275.536	0	0	0	0
578	6	N39	-82.028	5007.081	1833.1	0	0	0
579	6	N38	84.723	4753.886	1880.352	0	0	0
580	6	N293	0	280.58	0	0	0	0
581	6	N306	0	246.185	0	0	0	0
582	6	N310	0	374.344	0	0	0	0
583	6	N322	0	327.393	0	0	0	0
584	6	N324	0	280.527	0	0	0	0
585	6	N326	0	272.275	0	0	0	0
586	6	N363	0	276.497	0	0	0	0
587	6	Totals:	0	94568.63	0			
588	6	COG (ft):	X: 14.18	Y: 0.912	Z: 10.006			
589	7	N454	0	1025.586	0	0	0	0
590	7	N486	0	313.443	0	0	0	0
591	7	N448	0	1065.563	0	0	0	0
592	7	N794	0	69.681	0	0	0	0
593	7	N867	0	83.652	0	0	0	0
594	7	N840	0	241.149	0	0	0	0
595	7	N842	0	89.417	0	0	0	0
596	7	N859	0	139.631	0	0	0	0
597	7	N449	0	1142.614	0	0	0	0
598	7	N460	0	1049.921	0	0	0	0
599	7	N451	0	1135.411	0	0	0	0
600	7	N849	0	179.926	0	0	0	0
601	7	N452	0	1024.362	0	0	0	0
602	7	N462	0	1008.35	0	0	0	0
603	7	N453	0	1149.105	0	0	0	0
604	7	N455	-13.469	1121.495	75.543	0	0	0
605	7	N457	0	1146.593	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
606	7	N854	0	262.931	0	0	0	0
607	7	N459	0	1150.058	0	0	0	0
608	7	N464	0	1039.691	0	0	0	0
609	7	N481	0	280.364	0	0	0	0
610	7	N480	0	988.002	0	0	0	0
611	7	N469	-15.565	1138.274	-84.562	0	0	0
612	7	N465	0	1158.194	0	0	0	0
613	7	N868	0	182.619	0	0	0	0
614	7	N463	0	1148.48	0	0	0	0
615	7	N436	0	554.958	0	0	0	0
616	7	N467	0	1151.467	0	0	0	0
617	7	N450	0	1022.016	0	0	0	0
618	7	N468	0	1049.278	0	0	0	0
619	7	N471	0	1122.463	0	0	0	0
620	7	N483	0	333.515	0	0	0	0
621	7	N472	0	2036.183	0	0	0	0
622	7	N475	0	1115.911	0	0	0	0
623	7	N864	0	221.573	0	0	0	0
624	7	N474	0	1002.215	0	0	0	0
625	7	N476	0	1003.523	0	0	0	0
626	7	N438	0	433.512	0	0	0	0
627	7	N477	0	1169.03	0	0	0	0
628	7	N470	5.26	986.64	-179.142	0	0	0
629	7	N440	0	548.715	0	0	0	0
630	7	N456	23.775	1976.731	188.161	0	0	0
631	7	N442	0	564.454	0	0	0	0
632	7	N466	0	1008.13	0	0	0	0
633	7	N478	0	1258.64	0	0	0	0
634	7	N485	0	304.747	0	0	0	0
635	7	N445	0	1268.557	0	0	0	0
636	7	N479	0	1145.846	0	0	0	0
637	7	N487	0	310.231	0	0	0	0
638	7	N482	0	311.126	0	0	0	0
639	7	N446	0	1292.002	0	0	0	0
640	7	N488	0	285.543	0	0	0	0
641	7	N447	0	1175.253	0	0	0	0
642	7	N762	0	199.085	0	0	0	0
643	7	N775	0	182.605	0	0	0	0
644	7	N785	0	159.828	0	0	0	0
645	7	N461	0	1161.347	0	0	0	0
646	7	N484	0	336.096	0	0	0	0
647	7	N458	0	977.088	0	0	0	0
648	7	N473	0	1138.563	0	0	0	0
649	7	N20	55.461	5692.099	-2406.654	0	0	0
650	7	N385	0	286.2	0	0	0	0
651	7	N401	0	293.895	0	0	0	0
652	7	N21	-67.845	5503.831	-2357.843	0	0	0
653	7	N325	0	278.283	0	0	0	0
654	7	N387	0	291.473	0	0	0	0
655	7	N308	0	303.099	0	0	0	0
656	7	N323	0	354.869	0	0	0	0
657	7	N309	0	323.223	0	0	0	0
658	7	N395	0	289.262	0	0	0	0
659	7	N374	0	390.877	0	0	0	0
660	7	N375	0	220.581	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
661	7	N390	0	291.347	0	0	0	0
662	7	N398	0	391.082	0	0	0	0
663	7	N22	-8.262	4288.912	1104.153	0	0	0
664	7	N23	16.706	4602.81	1056.986	0	0	0
665	7	N381	0	269.205	0	0	0	0
666	7	N383	0	261.308	0	0	0	0
667	7	N373	0	294.49	0	0	0	0
668	7	N376	0	452.692	0	0	0	0
669	7	N389	0	215.003	0	0	0	0
670	7	N396	0	276.969	0	0	0	0
671	7	N36	-32.19	4147.037	-572.515	0	0	0
672	7	N37	33.435	3971.924	-537.579	0	0	0
673	7	N294	0	355.975	0	0	0	0
674	7	N307	0	286.495	0	0	0	0
675	7	N312	0	275.536	0	0	0	0
676	7	N39	-82.028	5007.081	1833.1	0	0	0
677	7	N38	84.723	4753.886	1880.352	0	0	0
678	7	N293	0	280.58	0	0	0	0
679	7	N306	0	246.185	0	0	0	0
680	7	N310	0	374.344	0	0	0	0
681	7	N322	0	327.393	0	0	0	0
682	7	N324	0	280.527	0	0	0	0
683	7	N326	0	272.275	0	0	0	0
684	7	N363	0	276.497	0	0	0	0
685	7	Totals:	0	94568.63	0			
686	7	COG (ft):	X: 14.18	Y: 0.912	Z: 10.006			
687	8	N454	0	54.528	0	0	0	0
688	8	N486	0	77.118	0	0	0	0
689	8	N448	0	51.359	0	0	0	0
690	8	N794	0	-3.67	0	0	0	0
691	8	N867	0	3.62	0	0	0	0
692	8	N840	0	11.528	0	0	0	0
693	8	N842	0	-10.88	0	0	0	0
694	8	N859	0	7.706	0	0	0	0
695	8	N449	0	102.416	0	0	0	0
696	8	N460	0	59.336	0	0	0	0
697	8	N451	0	100.801	0	0	0	0
698	8	N849	0	11.026	0	0	0	0
699	8	N452	0	53.353	0	0	0	0
700	8	N462	0	47.76	0	0	0	0
701	8	N453	0	101.44	0	0	0	0
702	8	N455	-4.76	97.565	26.963	0	0	0
703	8	N457	0	100.896	0	0	0	0
704	8	N854	0	13.365	0	0	0	0
705	8	N459	0	103.152	0	0	0	0
706	8	N464	0	56.742	0	0	0	0
707	8	N481	0	73.85	0	0	0	0
708	8	N480	0	37.609	0	0	0	0
709	8	N469	-5.32	98.978	-29.8	0	0	0
710	8	N465	0	103.374	0	0	0	0
711	8	N868	0	11.509	0	0	0	0
712	8	N463	0	102.632	0	0	0	0
713	8	N436	0	249.688	0	0	0	0
714	8	N467	0	103.137	0	0	0	0
715	8	N450	0	52.77	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
716	8	N468	0	59.11	0	0	0	0
717	8	N471	0	96.846	0	0	0	0
718	8	N483	0	76.625	0	0	0	0
719	8	N472	0	398.825	0	0	0	0
720	8	N475	0	98.77	0	0	0	0
721	8	N864	0	11.416	0	0	0	0
722	8	N474	0	44.454	0	0	0	0
723	8	N476	0	53.598	0	0	0	0
724	8	N438	0	220.759	0	0	0	0
725	8	N477	0	97.801	0	0	0	0
726	8	N470	2.077	42.586	-54.698	0	0	0
727	8	N440	0	214.742	0	0	0	0
728	8	N456	8.002	381.889	57.536	0	0	0
729	8	N442	0	223.263	0	0	0	0
730	8	N466	0	47.663	0	0	0	0
731	8	N478	0	127.531	0	0	0	0
732	8	N485	0	78.804	0	0	0	0
733	8	N445	0	116.509	0	0	0	0
734	8	N479	0	104.575	0	0	0	0
735	8	N487	0	77.272	0	0	0	0
736	8	N482	0	74.579	0	0	0	0
737	8	N446	0	115.44	0	0	0	0
738	8	N488	0	78.272	0	0	0	0
739	8	N447	0	96.782	0	0	0	0
740	8	N762	0	10.312	0	0	0	0
741	8	N775	0	9.672	0	0	0	0
742	8	N785	0	8.954	0	0	0	0
743	8	N461	0	104.205	0	0	0	0
744	8	N484	0	79.759	0	0	0	0
745	8	N458	0	39.114	0	0	0	0
746	8	N473	0	97.999	0	0	0	0
747	8	N20	4.21	742.769	-330.699	0	0	0
748	8	N385	0	11.181	0	0	0	0
749	8	N401	0	17.34	0	0	0	0
750	8	N21	-11.001	725.356	-320.243	0	0	0
751	8	N325	0	15.062	0	0	0	0
752	8	N387	0	15.382	0	0	0	0
753	8	N308	0	14.511	0	0	0	0
754	8	N323	0	14.954	0	0	0	0
755	8	N309	0	9.939	0	0	0	0
756	8	N395	0	7.802	0	0	0	0
757	8	N374	0	16.734	0	0	0	0
758	8	N375	0	10.675	0	0	0	0
759	8	N390	0	10.901	0	0	0	0
760	8	N398	0	15.854	0	0	0	0
761	8	N22	-6.876	541.485	113.977	0	0	0
762	8	N23	13.116	638.545	109.13	0	0	0
763	8	N381	0	8.799	0	0	0	0
764	8	N383	0	14.303	0	0	0	0
765	8	N373	0	12.237	0	0	0	0
766	8	N376	0	22.196	0	0	0	0
767	8	N389	0	-37.842	0	0	0	0
768	8	N396	0	29.183	0	0	0	0
769	8	N36	-9.895	526.255	-49.028	0	0	0
770	8	N37	7.343	506.251	-46.327	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
771	8	N294	0	14.245	0	0	0	0
772	8	N307	0	10.291	0	0	0	0
773	8	N312	0	8.874	0	0	0	0
774	8	N39	-5.35	726.766	255.722	0	0	0
775	8	N38	8.452	635.103	267.468	0	0	0
776	8	N293	0	16.553	0	0	0	0
777	8	N306	0	-31.023	0	0	0	0
778	8	N310	0	18.268	0	0	0	0
779	8	N322	0	14.022	0	0	0	0
780	8	N324	0	11.552	0	0	0	0
781	8	N326	0	14.352	0	0	0	0
782	8	N363	0	27.473	0	0	0	0
783	8	Totals:	0	10517.178	0			
784	8	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
785	9	N454	0	54.528	0	0	0	0
786	9	N486	0	77.118	0	0	0	0
787	9	N448	0	51.359	0	0	0	0
788	9	N794	0	-3.67	0	0	0	0
789	9	N867	0	3.62	0	0	0	0
790	9	N840	0	11.528	0	0	0	0
791	9	N842	0	-10.88	0	0	0	0
792	9	N859	0	7.706	0	0	0	0
793	9	N449	0	102.416	0	0	0	0
794	9	N460	0	59.336	0	0	0	0
795	9	N451	0	100.801	0	0	0	0
796	9	N849	0	11.026	0	0	0	0
797	9	N452	0	53.353	0	0	0	0
798	9	N462	0	47.76	0	0	0	0
799	9	N453	0	101.44	0	0	0	0
800	9	N455	-4.76	97.565	26.963	0	0	0
801	9	N457	0	100.896	0	0	0	0
802	9	N854	0	13.365	0	0	0	0
803	9	N459	0	103.152	0	0	0	0
804	9	N464	0	56.742	0	0	0	0
805	9	N481	0	73.85	0	0	0	0
806	9	N480	0	37.609	0	0	0	0
807	9	N469	-5.32	98.978	-29.8	0	0	0
808	9	N465	0	103.374	0	0	0	0
809	9	N868	0	11.509	0	0	0	0
810	9	N463	0	102.632	0	0	0	0
811	9	N436	0	249.688	0	0	0	0
812	9	N467	0	103.137	0	0	0	0
813	9	N450	0	52.77	0	0	0	0
814	9	N468	0	59.11	0	0	0	0
815	9	N471	0	96.846	0	0	0	0
816	9	N483	0	76.625	0	0	0	0
817	9	N472	0	398.825	0	0	0	0
818	9	N475	0	98.77	0	0	0	0
819	9	N864	0	11.416	0	0	0	0
820	9	N474	0	44.454	0	0	0	0
821	9	N476	0	53.598	0	0	0	0
822	9	N438	0	220.759	0	0	0	0
823	9	N477	0	97.801	0	0	0	0
824	9	N470	2.077	42.586	-54.698	0	0	0
825	9	N440	0	214.742	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
826	9	N456	8.002	381.889	57.536	0	0	0
827	9	N442	0	223.263	0	0	0	0
828	9	N466	0	47.663	0	0	0	0
829	9	N478	0	127.531	0	0	0	0
830	9	N485	0	78.804	0	0	0	0
831	9	N445	0	116.509	0	0	0	0
832	9	N479	0	104.575	0	0	0	0
833	9	N487	0	77.272	0	0	0	0
834	9	N482	0	74.579	0	0	0	0
835	9	N446	0	115.44	0	0	0	0
836	9	N488	0	78.272	0	0	0	0
837	9	N447	0	96.782	0	0	0	0
838	9	N762	0	10.312	0	0	0	0
839	9	N775	0	9.672	0	0	0	0
840	9	N785	0	8.954	0	0	0	0
841	9	N461	0	104.205	0	0	0	0
842	9	N484	0	79.759	0	0	0	0
843	9	N458	0	39.114	0	0	0	0
844	9	N473	0	97.999	0	0	0	0
845	9	N20	4.21	742.769	-330.699	0	0	0
846	9	N385	0	11.181	0	0	0	0
847	9	N401	0	17.34	0	0	0	0
848	9	N21	-11.001	725.356	-320.243	0	0	0
849	9	N325	0	15.062	0	0	0	0
850	9	N387	0	15.382	0	0	0	0
851	9	N308	0	14.511	0	0	0	0
852	9	N323	0	14.954	0	0	0	0
853	9	N309	0	9.939	0	0	0	0
854	9	N395	0	7.802	0	0	0	0
855	9	N374	0	16.734	0	0	0	0
856	9	N375	0	10.675	0	0	0	0
857	9	N390	0	10.901	0	0	0	0
858	9	N398	0	15.854	0	0	0	0
859	9	N22	-6.876	541.485	113.977	0	0	0
860	9	N23	13.116	638.545	109.13	0	0	0
861	9	N381	0	8.799	0	0	0	0
862	9	N383	0	14.303	0	0	0	0
863	9	N373	0	12.237	0	0	0	0
864	9	N376	0	22.196	0	0	0	0
865	9	N389	0	-37.842	0	0	0	0
866	9	N396	0	29.183	0	0	0	0
867	9	N36	-9.895	526.255	-49.028	0	0	0
868	9	N37	7.343	506.251	-46.327	0	0	0
869	9	N294	0	14.245	0	0	0	0
870	9	N307	0	10.291	0	0	0	0
871	9	N312	0	8.874	0	0	0	0
872	9	N39	-5.35	726.766	255.722	0	0	0
873	9	N38	8.452	635.103	267.468	0	0	0
874	9	N293	0	16.553	0	0	0	0
875	9	N306	0	-31.023	0	0	0	0
876	9	N310	0	18.268	0	0	0	0
877	9	N322	0	14.022	0	0	0	0
878	9	N324	0	11.552	0	0	0	0
879	9	N326	0	14.352	0	0	0	0
880	9	N363	0	27.473	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
881	9	Totals:	0	10517.178	0			
882	9	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
883	10	N454	0	90.88	0	0	0	0
884	10	N486	0	128.53	0	0	0	0
885	10	N448	0	85.598	0	0	0	0
886	10	N794	0	-6.117	0	0	0	0
887	10	N867	0	6.033	0	0	0	0
888	10	N840	0	19.212	0	0	0	0
889	10	N842	0	-18.134	0	0	0	0
890	10	N859	0	12.844	0	0	0	0
891	10	N449	0	170.693	0	0	0	0
892	10	N460	0	98.893	0	0	0	0
893	10	N451	0	168.002	0	0	0	0
894	10	N849	0	18.376	0	0	0	0
895	10	N452	0	88.921	0	0	0	0
896	10	N462	0	79.6	0	0	0	0
897	10	N453	0	169.066	0	0	0	0
898	10	N455	-7.932	162.607	44.939	0	0	0
899	10	N457	0	168.16	0	0	0	0
900	10	N854	0	22.275	0	0	0	0
901	10	N459	0	171.921	0	0	0	0
902	10	N464	0	94.57	0	0	0	0
903	10	N481	0	123.083	0	0	0	0
904	10	N480	0	62.68	0	0	0	0
905	10	N469	-8.865	164.964	-49.667	0	0	0
906	10	N465	0	172.291	0	0	0	0
907	10	N868	0	19.182	0	0	0	0
908	10	N463	0	171.054	0	0	0	0
909	10	N436	0	416.149	0	0	0	0
910	10	N467	0	171.895	0	0	0	0
911	10	N450	0	87.95	0	0	0	0
912	10	N468	0	98.517	0	0	0	0
913	10	N471	0	161.41	0	0	0	0
914	10	N483	0	127.708	0	0	0	0
915	10	N472	0	664.707	0	0	0	0
916	10	N475	0	164.616	0	0	0	0
917	10	N864	0	19.026	0	0	0	0
918	10	N474	0	74.091	0	0	0	0
919	10	N476	0	89.33	0	0	0	0
920	10	N438	0	367.933	0	0	0	0
921	10	N477	0	163.001	0	0	0	0
922	10	N470	3.462	70.977	-91.163	0	0	0
923	10	N440	0	357.902	0	0	0	0
924	10	N456	13.335	636.483	95.891	0	0	0
925	10	N442	0	372.105	0	0	0	0
926	10	N466	0	79.437	0	0	0	0
927	10	N478	0	212.551	0	0	0	0
928	10	N485	0	131.34	0	0	0	0
929	10	N445	0	194.181	0	0	0	0
930	10	N479	0	174.292	0	0	0	0
931	10	N487	0	128.786	0	0	0	0
932	10	N482	0	124.299	0	0	0	0
933	10	N446	0	192.4	0	0	0	0
934	10	N488	0	130.453	0	0	0	0
935	10	N447	0	161.303	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
936	10	N762	0	17.186	0	0	0	0
937	10	N775	0	16.119	0	0	0	0
938	10	N785	0	14.923	0	0	0	0
939	10	N461	0	173.676	0	0	0	0
940	10	N484	0	132.932	0	0	0	0
941	10	N458	0	65.189	0	0	0	0
942	10	N473	0	163.331	0	0	0	0
943	10	N20	7.018	1237.949	-551.167	0	0	0
944	10	N385	0	18.635	0	0	0	0
945	10	N401	0	28.907	0	0	0	0
946	10	N21	-18.338	1208.927	-533.739	0	0	0
947	10	N325	0	25.103	0	0	0	0
948	10	N387	0	25.637	0	0	0	0
949	10	N308	0	24.187	0	0	0	0
950	10	N323	0	24.922	0	0	0	0
951	10	N309	0	16.552	0	0	0	0
952	10	N395	0	12.99	0	0	0	0
953	10	N374	0	27.889	0	0	0	0
954	10	N375	0	17.794	0	0	0	0
955	10	N390	0	18.161	0	0	0	0
956	10	N398	0	26.419	0	0	0	0
957	10	N22	-11.459	902.476	189.962	0	0	0
958	10	N23	21.862	1064.343	181.884	0	0	0
959	10	N381	0	14.665	0	0	0	0
960	10	N383	0	23.839	0	0	0	0
961	10	N373	0	20.393	0	0	0	0
962	10	N376	0	36.997	0	0	0	0
963	10	N389	0	-63.205	0	0	0	0
964	10	N396	0	48.682	0	0	0	0
965	10	N36	-16.492	877.094	-81.713	0	0	0
966	10	N37	12.243	843.754	-77.211	0	0	0
967	10	N294	0	23.738	0	0	0	0
968	10	N307	0	17.146	0	0	0	0
969	10	N312	0	14.789	0	0	0	0
970	10	N39	-8.92	1211.36	426.201	0	0	0
971	10	N38	14.087	1058.505	445.783	0	0	0
972	10	N293	0	27.595	0	0	0	0
973	10	N306	0	-51.819	0	0	0	0
974	10	N310	0	30.451	0	0	0	0
975	10	N322	0	23.368	0	0	0	0
976	10	N324	0	19.253	0	0	0	0
977	10	N326	0	23.92	0	0	0	0
978	10	N363	0	45.825	0	0	0	0
979	10	Totals:	0	17528.63	0			
980	10	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
981	11	N454	0	90.88	0	0	0	0
982	11	N486	0	128.53	0	0	0	0
983	11	N448	0	85.598	0	0	0	0
984	11	N794	0	-6.117	0	0	0	0
985	11	N867	0	6.033	0	0	0	0
986	11	N840	0	19.212	0	0	0	0
987	11	N842	0	-18.134	0	0	0	0
988	11	N859	0	12.844	0	0	0	0
989	11	N449	0	170.693	0	0	0	0
990	11	N460	0	98.893	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
991	11	N451	0	168.002	0	0	0	0
992	11	N849	0	18.376	0	0	0	0
993	11	N452	0	88.921	0	0	0	0
994	11	N462	0	79.6	0	0	0	0
995	11	N453	0	169.066	0	0	0	0
996	11	N455	-7.932	162.607	44.939	0	0	0
997	11	N457	0	168.16	0	0	0	0
998	11	N854	0	22.275	0	0	0	0
999	11	N459	0	171.921	0	0	0	0
1000	11	N464	0	94.57	0	0	0	0
1001	11	N481	0	123.083	0	0	0	0
1002	11	N480	0	62.68	0	0	0	0
1003	11	N469	-8.865	164.964	-49.667	0	0	0
1004	11	N465	0	172.291	0	0	0	0
1005	11	N868	0	19.182	0	0	0	0
1006	11	N463	0	171.054	0	0	0	0
1007	11	N436	0	416.149	0	0	0	0
1008	11	N467	0	171.895	0	0	0	0
1009	11	N450	0	87.95	0	0	0	0
1010	11	N468	0	98.517	0	0	0	0
1011	11	N471	0	161.41	0	0	0	0
1012	11	N483	0	127.708	0	0	0	0
1013	11	N472	0	664.707	0	0	0	0
1014	11	N475	0	164.616	0	0	0	0
1015	11	N864	0	19.026	0	0	0	0
1016	11	N474	0	74.091	0	0	0	0
1017	11	N476	0	89.33	0	0	0	0
1018	11	N438	0	367.933	0	0	0	0
1019	11	N477	0	163.001	0	0	0	0
1020	11	N470	3.462	70.977	-91.163	0	0	0
1021	11	N440	0	357.902	0	0	0	0
1022	11	N456	13.335	636.483	95.891	0	0	0
1023	11	N442	0	372.105	0	0	0	0
1024	11	N466	0	79.437	0	0	0	0
1025	11	N478	0	212.551	0	0	0	0
1026	11	N485	0	131.34	0	0	0	0
1027	11	N445	0	194.181	0	0	0	0
1028	11	N479	0	174.292	0	0	0	0
1029	11	N487	0	128.786	0	0	0	0
1030	11	N482	0	124.299	0	0	0	0
1031	11	N446	0	192.4	0	0	0	0
1032	11	N488	0	130.453	0	0	0	0
1033	11	N447	0	161.303	0	0	0	0
1034	11	N762	0	17.186	0	0	0	0
1035	11	N775	0	16.119	0	0	0	0
1036	11	N785	0	14.923	0	0	0	0
1037	11	N461	0	173.676	0	0	0	0
1038	11	N484	0	132.932	0	0	0	0
1039	11	N458	0	65.189	0	0	0	0
1040	11	N473	0	163.331	0	0	0	0
1041	11	N20	7.018	1237.949	-551.167	0	0	0
1042	11	N385	0	18.635	0	0	0	0
1043	11	N401	0	28.907	0	0	0	0
1044	11	N21	-18.338	1208.927	-533.739	0	0	0
1045	11	N325	0	25.103	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1046	11	N387	0	25.637	0	0	0	0
1047	11	N308	0	24.187	0	0	0	0
1048	11	N323	0	24.922	0	0	0	0
1049	11	N309	0	16.552	0	0	0	0
1050	11	N395	0	12.99	0	0	0	0
1051	11	N374	0	27.889	0	0	0	0
1052	11	N375	0	17.794	0	0	0	0
1053	11	N390	0	18.161	0	0	0	0
1054	11	N398	0	26.419	0	0	0	0
1055	11	N22	-11.459	902.476	189.962	0	0	0
1056	11	N23	21.862	1064.343	181.884	0	0	0
1057	11	N381	0	14.665	0	0	0	0
1058	11	N383	0	23.839	0	0	0	0
1059	11	N373	0	20.393	0	0	0	0
1060	11	N376	0	36.997	0	0	0	0
1061	11	N389	0	-63.205	0	0	0	0
1062	11	N396	0	48.682	0	0	0	0
1063	11	N36	-16.492	877.094	-81.713	0	0	0
1064	11	N37	12.243	843.754	-77.211	0	0	0
1065	11	N294	0	23.738	0	0	0	0
1066	11	N307	0	17.146	0	0	0	0
1067	11	N312	0	14.789	0	0	0	0
1068	11	N39	-8.92	1211.36	426.201	0	0	0
1069	11	N38	14.087	1058.505	445.783	0	0	0
1070	11	N293	0	27.595	0	0	0	0
1071	11	N306	0	-51.819	0	0	0	0
1072	11	N310	0	30.451	0	0	0	0
1073	11	N322	0	23.368	0	0	0	0
1074	11	N324	0	19.253	0	0	0	0
1075	11	N326	0	23.92	0	0	0	0
1076	11	N363	0	45.825	0	0	0	0
1077	11	Totals:	0	17528.63	0			
1078	11	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
1079	12	N454	0	90.88	0	0	0	0
1080	12	N486	0	128.53	0	0	0	0
1081	12	N448	0	85.598	0	0	0	0
1082	12	N794	0	-6.117	0	0	0	0
1083	12	N867	0	6.033	0	0	0	0
1084	12	N840	0	19.212	0	0	0	0
1085	12	N842	0	-18.134	0	0	0	0
1086	12	N859	0	12.844	0	0	0	0
1087	12	N449	0	170.693	0	0	0	0
1088	12	N460	0	98.893	0	0	0	0
1089	12	N451	0	168.002	0	0	0	0
1090	12	N849	0	18.376	0	0	0	0
1091	12	N452	0	88.921	0	0	0	0
1092	12	N462	0	79.6	0	0	0	0
1093	12	N453	0	169.066	0	0	0	0
1094	12	N455	-7.932	162.607	44.939	0	0	0
1095	12	N457	0	168.16	0	0	0	0
1096	12	N854	0	22.275	0	0	0	0
1097	12	N459	0	171.921	0	0	0	0
1098	12	N464	0	94.57	0	0	0	0
1099	12	N481	0	123.083	0	0	0	0
1100	12	N480	0	62.68	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1101	12	N469	-8.865	164.964	-49.667	0	0	0
1102	12	N465	0	172.291	0	0	0	0
1103	12	N868	0	19.182	0	0	0	0
1104	12	N463	0	171.054	0	0	0	0
1105	12	N436	0	416.149	0	0	0	0
1106	12	N467	0	171.895	0	0	0	0
1107	12	N450	0	87.95	0	0	0	0
1108	12	N468	0	98.517	0	0	0	0
1109	12	N471	0	161.41	0	0	0	0
1110	12	N483	0	127.708	0	0	0	0
1111	12	N472	0	664.707	0	0	0	0
1112	12	N475	0	164.616	0	0	0	0
1113	12	N864	0	19.026	0	0	0	0
1114	12	N474	0	74.091	0	0	0	0
1115	12	N476	0	89.33	0	0	0	0
1116	12	N438	0	367.933	0	0	0	0
1117	12	N477	0	163.001	0	0	0	0
1118	12	N470	3.462	70.977	-91.163	0	0	0
1119	12	N440	0	357.902	0	0	0	0
1120	12	N456	13.335	636.483	95.891	0	0	0
1121	12	N442	0	372.105	0	0	0	0
1122	12	N466	0	79.437	0	0	0	0
1123	12	N478	0	212.551	0	0	0	0
1124	12	N485	0	131.34	0	0	0	0
1125	12	N445	0	194.181	0	0	0	0
1126	12	N479	0	174.292	0	0	0	0
1127	12	N487	0	128.786	0	0	0	0
1128	12	N482	0	124.299	0	0	0	0
1129	12	N446	0	192.4	0	0	0	0
1130	12	N488	0	130.453	0	0	0	0
1131	12	N447	0	161.303	0	0	0	0
1132	12	N762	0	17.186	0	0	0	0
1133	12	N775	0	16.119	0	0	0	0
1134	12	N785	0	14.923	0	0	0	0
1135	12	N461	0	173.676	0	0	0	0
1136	12	N484	0	132.932	0	0	0	0
1137	12	N458	0	65.189	0	0	0	0
1138	12	N473	0	163.331	0	0	0	0
1139	12	N20	7.018	1237.949	-551.167	0	0	0
1140	12	N385	0	18.635	0	0	0	0
1141	12	N401	0	28.907	0	0	0	0
1142	12	N21	-18.338	1208.927	-533.739	0	0	0
1143	12	N325	0	25.103	0	0	0	0
1144	12	N387	0	25.637	0	0	0	0
1145	12	N308	0	24.187	0	0	0	0
1146	12	N323	0	24.922	0	0	0	0
1147	12	N309	0	16.552	0	0	0	0
1148	12	N395	0	12.99	0	0	0	0
1149	12	N374	0	27.889	0	0	0	0
1150	12	N375	0	17.794	0	0	0	0
1151	12	N390	0	18.161	0	0	0	0
1152	12	N398	0	26.419	0	0	0	0
1153	12	N22	-11.459	902.476	189.962	0	0	0
1154	12	N23	21.862	1064.343	181.884	0	0	0
1155	12	N381	0	14.665	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1156	12	N383	0	23.839	0	0	0	0
1157	12	N373	0	20.393	0	0	0	0
1158	12	N376	0	36.997	0	0	0	0
1159	12	N389	0	-63.205	0	0	0	0
1160	12	N396	0	48.682	0	0	0	0
1161	12	N36	-16.492	877.094	-81.713	0	0	0
1162	12	N37	12.243	843.754	-77.211	0	0	0
1163	12	N294	0	23.738	0	0	0	0
1164	12	N307	0	17.146	0	0	0	0
1165	12	N312	0	14.789	0	0	0	0
1166	12	N39	-8.92	1211.36	426.201	0	0	0
1167	12	N38	14.087	1058.505	445.783	0	0	0
1168	12	N293	0	27.595	0	0	0	0
1169	12	N306	0	-51.819	0	0	0	0
1170	12	N310	0	30.451	0	0	0	0
1171	12	N322	0	23.368	0	0	0	0
1172	12	N324	0	19.253	0	0	0	0
1173	12	N326	0	23.92	0	0	0	0
1174	12	N363	0	45.825	0	0	0	0
1175	12	Totals:	0	17528.63	0			
1176	12	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
1177	13	N454	0	90.88	0	0	0	0
1178	13	N486	0	128.53	0	0	0	0
1179	13	N448	0	85.598	0	0	0	0
1180	13	N794	0	-6.117	0	0	0	0
1181	13	N867	0	6.033	0	0	0	0
1182	13	N840	0	19.212	0	0	0	0
1183	13	N842	0	-18.134	0	0	0	0
1184	13	N859	0	12.844	0	0	0	0
1185	13	N449	0	170.693	0	0	0	0
1186	13	N460	0	98.893	0	0	0	0
1187	13	N451	0	168.002	0	0	0	0
1188	13	N849	0	18.376	0	0	0	0
1189	13	N452	0	88.921	0	0	0	0
1190	13	N462	0	79.6	0	0	0	0
1191	13	N453	0	169.066	0	0	0	0
1192	13	N455	-7.932	162.607	44.939	0	0	0
1193	13	N457	0	168.16	0	0	0	0
1194	13	N854	0	22.275	0	0	0	0
1195	13	N459	0	171.921	0	0	0	0
1196	13	N464	0	94.57	0	0	0	0
1197	13	N481	0	123.083	0	0	0	0
1198	13	N480	0	62.68	0	0	0	0
1199	13	N469	-8.865	164.964	-49.667	0	0	0
1200	13	N465	0	172.291	0	0	0	0
1201	13	N868	0	19.182	0	0	0	0
1202	13	N463	0	171.054	0	0	0	0
1203	13	N436	0	416.149	0	0	0	0
1204	13	N467	0	171.895	0	0	0	0
1205	13	N450	0	87.95	0	0	0	0
1206	13	N468	0	98.517	0	0	0	0
1207	13	N471	0	161.41	0	0	0	0
1208	13	N483	0	127.708	0	0	0	0
1209	13	N472	0	664.707	0	0	0	0
1210	13	N475	0	164.616	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1211	13	N864	0	19.026	0	0	0	0
1212	13	N474	0	74.091	0	0	0	0
1213	13	N476	0	89.33	0	0	0	0
1214	13	N438	0	367.933	0	0	0	0
1215	13	N477	0	163.001	0	0	0	0
1216	13	N470	3.462	70.977	-91.163	0	0	0
1217	13	N440	0	357.902	0	0	0	0
1218	13	N456	13.335	636.483	95.891	0	0	0
1219	13	N442	0	372.105	0	0	0	0
1220	13	N466	0	79.437	0	0	0	0
1221	13	N478	0	212.551	0	0	0	0
1222	13	N485	0	131.34	0	0	0	0
1223	13	N445	0	194.181	0	0	0	0
1224	13	N479	0	174.292	0	0	0	0
1225	13	N487	0	128.786	0	0	0	0
1226	13	N482	0	124.299	0	0	0	0
1227	13	N446	0	192.4	0	0	0	0
1228	13	N488	0	130.453	0	0	0	0
1229	13	N447	0	161.303	0	0	0	0
1230	13	N762	0	17.186	0	0	0	0
1231	13	N775	0	16.119	0	0	0	0
1232	13	N785	0	14.923	0	0	0	0
1233	13	N461	0	173.676	0	0	0	0
1234	13	N484	0	132.932	0	0	0	0
1235	13	N458	0	65.189	0	0	0	0
1236	13	N473	0	163.331	0	0	0	0
1237	13	N20	7.018	1237.949	-551.167	0	0	0
1238	13	N385	0	18.635	0	0	0	0
1239	13	N401	0	28.907	0	0	0	0
1240	13	N21	-18.338	1208.927	-533.739	0	0	0
1241	13	N325	0	25.103	0	0	0	0
1242	13	N387	0	25.637	0	0	0	0
1243	13	N308	0	24.187	0	0	0	0
1244	13	N323	0	24.922	0	0	0	0
1245	13	N309	0	16.552	0	0	0	0
1246	13	N395	0	12.99	0	0	0	0
1247	13	N374	0	27.889	0	0	0	0
1248	13	N375	0	17.794	0	0	0	0
1249	13	N390	0	18.161	0	0	0	0
1250	13	N398	0	26.419	0	0	0	0
1251	13	N22	-11.459	902.476	189.962	0	0	0
1252	13	N23	21.862	1064.343	181.884	0	0	0
1253	13	N381	0	14.665	0	0	0	0
1254	13	N383	0	23.839	0	0	0	0
1255	13	N373	0	20.393	0	0	0	0
1256	13	N376	0	36.997	0	0	0	0
1257	13	N389	0	-63.205	0	0	0	0
1258	13	N396	0	48.682	0	0	0	0
1259	13	N36	-16.492	877.094	-81.713	0	0	0
1260	13	N37	12.243	843.754	-77.211	0	0	0
1261	13	N294	0	23.738	0	0	0	0
1262	13	N307	0	17.146	0	0	0	0
1263	13	N312	0	14.789	0	0	0	0
1264	13	N39	-8.92	1211.36	426.201	0	0	0
1265	13	N38	14.087	1058.505	445.783	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1266	13	N293	0	27.595	0	0	0	0
1267	13	N306	0	-51.819	0	0	0	0
1268	13	N310	0	30.451	0	0	0	0
1269	13	N322	0	23.368	0	0	0	0
1270	13	N324	0	19.253	0	0	0	0
1271	13	N326	0	23.92	0	0	0	0
1272	13	N363	0	45.825	0	0	0	0
1273	13	Totals:	0	17528.63	0			
1274	13	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
1275	14	N454	0	1022.631	0	0	0	0
1276	14	N486	0	305.497	0	0	0	0
1277	14	N448	0	1065.642	0	0	0	0
1278	14	N794	0	71.499	0	0	0	0
1279	14	N867	0	84.173	0	0	0	0
1280	14	N840	0	241.438	0	0	0	0
1281	14	N842	0	93.884	0	0	0	0
1282	14	N859	0	140.004	0	0	0	0
1283	14	N449	0	1132.751	0	0	0	0
1284	14	N460	0	1049.527	0	0	0	0
1285	14	N451	0	1124.27	0	0	0	0
1286	14	N849	0	179.965	0	0	0	0
1287	14	N452	0	1025.205	0	0	0	0
1288	14	N462	0	1008.439	0	0	0	0
1289	14	N453	0	1136.694	0	0	0	0
1290	14	N455	-14.399	1109.012	60.696	0	0	0
1291	14	N457	0	1133.882	0	0	0	0
1292	14	N854	0	262.93	0	0	0	0
1293	14	N459	0	1136.872	0	0	0	0
1294	14	N464	0	1039.674	0	0	0	0
1295	14	N481	0	274.586	0	0	0	0
1296	14	N480	0	994.233	0	0	0	0
1297	14	N469	-14.903	1125.592	-68.882	0	0	0
1298	14	N465	0	1144.95	0	0	0	0
1299	14	N868	0	182.622	0	0	0	0
1300	14	N463	0	1134.899	0	0	0	0
1301	14	N436	0	511.794	0	0	0	0
1302	14	N467	0	1138.708	0	0	0	0
1303	14	N450	0	1021.815	0	0	0	0
1304	14	N468	0	1049.309	0	0	0	0
1305	14	N471	0	1110.308	0	0	0	0
1306	14	N483	0	326.374	0	0	0	0
1307	14	N472	0	1923.879	0	0	0	0
1308	14	N475	0	1105.943	0	0	0	0
1309	14	N864	0	221.696	0	0	0	0
1310	14	N474	0	1002.174	0	0	0	0
1311	14	N476	0	1004.119	0	0	0	0
1312	14	N438	0	411.805	0	0	0	0
1313	14	N477	0	1160.049	0	0	0	0
1314	14	N470	5.55	986.514	-158.264	0	0	0
1315	14	N440	0	520.29	0	0	0	0
1316	14	N456	23.753	1872.478	166.45	0	0	0
1317	14	N442	0	532.209	0	0	0	0
1318	14	N466	0	1008.125	0	0	0	0
1319	14	N478	0	1255.124	0	0	0	0
1320	14	N485	0	296.438	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1321	14	N445	0	1258.99	0	0	0	0
1322	14	N479	0	1137.758	0	0	0	0
1323	14	N487	0	302.209	0	0	0	0
1324	14	N482	0	304.817	0	0	0	0
1325	14	N446	0	1290.736	0	0	0	0
1326	14	N488	0	276.995	0	0	0	0
1327	14	N447	0	1166.68	0	0	0	0
1328	14	N762	0	199.085	0	0	0	0
1329	14	N775	0	182.614	0	0	0	0
1330	14	N785	0	159.879	0	0	0	0
1331	14	N461	0	1147.84	0	0	0	0
1332	14	N484	0	327.624	0	0	0	0
1333	14	N458	0	978.801	0	0	0	0
1334	14	N473	0	1127.335	0	0	0	0
1335	14	N20	55.461	5692.099	-2406.654	0	0	0
1336	14	N385	0	286.2	0	0	0	0
1337	14	N401	0	293.895	0	0	0	0
1338	14	N21	-67.845	5503.831	-2357.843	0	0	0
1339	14	N325	0	278.283	0	0	0	0
1340	14	N387	0	291.473	0	0	0	0
1341	14	N308	0	303.099	0	0	0	0
1342	14	N323	0	354.869	0	0	0	0
1343	14	N309	0	323.223	0	0	0	0
1344	14	N395	0	289.262	0	0	0	0
1345	14	N374	0	390.877	0	0	0	0
1346	14	N375	0	220.581	0	0	0	0
1347	14	N390	0	291.347	0	0	0	0
1348	14	N398	0	391.082	0	0	0	0
1349	14	N22	-8.262	4288.912	1104.153	0	0	0
1350	14	N23	16.706	4602.81	1056.986	0	0	0
1351	14	N381	0	269.205	0	0	0	0
1352	14	N383	0	261.308	0	0	0	0
1353	14	N373	0	294.49	0	0	0	0
1354	14	N376	0	452.692	0	0	0	0
1355	14	N389	0	215.003	0	0	0	0
1356	14	N396	0	276.969	0	0	0	0
1357	14	N36	-32.19	4147.037	-572.515	0	0	0
1358	14	N37	33.435	3971.924	-537.579	0	0	0
1359	14	N294	0	355.975	0	0	0	0
1360	14	N307	0	286.495	0	0	0	0
1361	14	N312	0	275.536	0	0	0	0
1362	14	N39	-82.028	5007.081	1833.1	0	0	0
1363	14	N38	84.723	4753.886	1880.352	0	0	0
1364	14	N293	0	280.58	0	0	0	0
1365	14	N306	0	246.185	0	0	0	0
1366	14	N310	0	374.344	0	0	0	0
1367	14	N322	0	327.393	0	0	0	0
1368	14	N324	0	280.527	0	0	0	0
1369	14	N326	0	272.275	0	0	0	0
1370	14	N363	0	276.497	0	0	0	0
1371	14	Totals:	0	93968.63	0			
1372	14	COG (ft):	X: 14.118	Y: 0.857	Z: 10.006			
1373	15	N454	0	1022.631	0	0	0	0
1374	15	N486	0	305.497	0	0	0	0
1375	15	N448	0	1065.642	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1376	15	N794	0	71.499	0	0	0	0
1377	15	N867	0	84.173	0	0	0	0
1378	15	N840	0	241.438	0	0	0	0
1379	15	N842	0	93.884	0	0	0	0
1380	15	N859	0	140.004	0	0	0	0
1381	15	N449	0	1132.751	0	0	0	0
1382	15	N460	0	1049.527	0	0	0	0
1383	15	N451	0	1124.27	0	0	0	0
1384	15	N849	0	179.965	0	0	0	0
1385	15	N452	0	1025.205	0	0	0	0
1386	15	N462	0	1008.439	0	0	0	0
1387	15	N453	0	1136.694	0	0	0	0
1388	15	N455	-14.399	1109.012	60.696	0	0	0
1389	15	N457	0	1133.882	0	0	0	0
1390	15	N854	0	262.93	0	0	0	0
1391	15	N459	0	1136.872	0	0	0	0
1392	15	N464	0	1039.674	0	0	0	0
1393	15	N481	0	274.586	0	0	0	0
1394	15	N480	0	994.233	0	0	0	0
1395	15	N469	-14.903	1125.592	-68.882	0	0	0
1396	15	N465	0	1144.95	0	0	0	0
1397	15	N868	0	182.622	0	0	0	0
1398	15	N463	0	1134.899	0	0	0	0
1399	15	N436	0	511.794	0	0	0	0
1400	15	N467	0	1138.708	0	0	0	0
1401	15	N450	0	1021.815	0	0	0	0
1402	15	N468	0	1049.309	0	0	0	0
1403	15	N471	0	1110.308	0	0	0	0
1404	15	N483	0	326.374	0	0	0	0
1405	15	N472	0	1923.879	0	0	0	0
1406	15	N475	0	1105.943	0	0	0	0
1407	15	N864	0	221.696	0	0	0	0
1408	15	N474	0	1002.174	0	0	0	0
1409	15	N476	0	1004.119	0	0	0	0
1410	15	N438	0	411.805	0	0	0	0
1411	15	N477	0	1160.049	0	0	0	0
1412	15	N470	5.55	986.514	-158.264	0	0	0
1413	15	N440	0	520.29	0	0	0	0
1414	15	N456	23.753	1872.478	166.45	0	0	0
1415	15	N442	0	532.209	0	0	0	0
1416	15	N466	0	1008.125	0	0	0	0
1417	15	N478	0	1255.124	0	0	0	0
1418	15	N485	0	296.438	0	0	0	0
1419	15	N445	0	1258.99	0	0	0	0
1420	15	N479	0	1137.758	0	0	0	0
1421	15	N487	0	302.209	0	0	0	0
1422	15	N482	0	304.817	0	0	0	0
1423	15	N446	0	1290.736	0	0	0	0
1424	15	N488	0	276.995	0	0	0	0
1425	15	N447	0	1166.68	0	0	0	0
1426	15	N762	0	199.085	0	0	0	0
1427	15	N775	0	182.614	0	0	0	0
1428	15	N785	0	159.879	0	0	0	0
1429	15	N461	0	1147.84	0	0	0	0
1430	15	N484	0	327.624	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1431	15	N458	0	978.801	0	0	0	0
1432	15	N473	0	1127.335	0	0	0	0
1433	15	N20	55.461	5692.099	-2406.654	0	0	0
1434	15	N385	0	286.2	0	0	0	0
1435	15	N401	0	293.895	0	0	0	0
1436	15	N21	-67.845	5503.831	-2357.843	0	0	0
1437	15	N325	0	278.283	0	0	0	0
1438	15	N387	0	291.473	0	0	0	0
1439	15	N308	0	303.099	0	0	0	0
1440	15	N323	0	354.869	0	0	0	0
1441	15	N309	0	323.223	0	0	0	0
1442	15	N395	0	289.262	0	0	0	0
1443	15	N374	0	390.877	0	0	0	0
1444	15	N375	0	220.581	0	0	0	0
1445	15	N390	0	291.347	0	0	0	0
1446	15	N398	0	391.082	0	0	0	0
1447	15	N22	-8.262	4288.912	1104.153	0	0	0
1448	15	N23	16.706	4602.81	1056.986	0	0	0
1449	15	N381	0	269.205	0	0	0	0
1450	15	N383	0	261.308	0	0	0	0
1451	15	N373	0	294.49	0	0	0	0
1452	15	N376	0	452.692	0	0	0	0
1453	15	N389	0	215.003	0	0	0	0
1454	15	N396	0	276.969	0	0	0	0
1455	15	N36	-32.19	4147.037	-572.515	0	0	0
1456	15	N37	33.435	3971.924	-537.579	0	0	0
1457	15	N294	0	355.975	0	0	0	0
1458	15	N307	0	286.495	0	0	0	0
1459	15	N312	0	275.536	0	0	0	0
1460	15	N39	-82.028	5007.081	1833.1	0	0	0
1461	15	N38	84.723	4753.886	1880.352	0	0	0
1462	15	N293	0	280.58	0	0	0	0
1463	15	N306	0	246.185	0	0	0	0
1464	15	N310	0	374.344	0	0	0	0
1465	15	N322	0	327.393	0	0	0	0
1466	15	N324	0	280.527	0	0	0	0
1467	15	N326	0	272.275	0	0	0	0
1468	15	N363	0	276.497	0	0	0	0
1469	15	Totals:	0	93968.63	0			
1470	15	COG (ft):	X: 14.118	Y: 0.857	Z: 10.006			
1471	16	N454	0	1022.631	0	0	0	0
1472	16	N486	0	305.497	0	0	0	0
1473	16	N448	0	1065.642	0	0	0	0
1474	16	N794	0	71.499	0	0	0	0
1475	16	N867	0	84.173	0	0	0	0
1476	16	N840	0	241.438	0	0	0	0
1477	16	N842	0	93.884	0	0	0	0
1478	16	N859	0	140.004	0	0	0	0
1479	16	N449	0	1132.751	0	0	0	0
1480	16	N460	0	1049.527	0	0	0	0
1481	16	N451	0	1124.27	0	0	0	0
1482	16	N849	0	179.965	0	0	0	0
1483	16	N452	0	1025.205	0	0	0	0
1484	16	N462	0	1008.439	0	0	0	0
1485	16	N453	0	1136.694	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1486	16	N455	-14.399	1109.012	60.696	0	0	0
1487	16	N457	0	1133.882	0	0	0	0
1488	16	N854	0	262.93	0	0	0	0
1489	16	N459	0	1136.872	0	0	0	0
1490	16	N464	0	1039.674	0	0	0	0
1491	16	N481	0	274.586	0	0	0	0
1492	16	N480	0	994.233	0	0	0	0
1493	16	N469	-14.903	1125.592	-68.882	0	0	0
1494	16	N465	0	1144.95	0	0	0	0
1495	16	N868	0	182.622	0	0	0	0
1496	16	N463	0	1134.899	0	0	0	0
1497	16	N436	0	511.794	0	0	0	0
1498	16	N467	0	1138.708	0	0	0	0
1499	16	N450	0	1021.815	0	0	0	0
1500	16	N468	0	1049.309	0	0	0	0
1501	16	N471	0	1110.308	0	0	0	0
1502	16	N483	0	326.374	0	0	0	0
1503	16	N472	0	1923.879	0	0	0	0
1504	16	N475	0	1105.943	0	0	0	0
1505	16	N864	0	221.696	0	0	0	0
1506	16	N474	0	1002.174	0	0	0	0
1507	16	N476	0	1004.119	0	0	0	0
1508	16	N438	0	411.805	0	0	0	0
1509	16	N477	0	1160.049	0	0	0	0
1510	16	N470	5.55	986.514	-158.264	0	0	0
1511	16	N440	0	520.29	0	0	0	0
1512	16	N456	23.753	1872.478	166.45	0	0	0
1513	16	N442	0	532.209	0	0	0	0
1514	16	N466	0	1008.125	0	0	0	0
1515	16	N478	0	1255.124	0	0	0	0
1516	16	N485	0	296.438	0	0	0	0
1517	16	N445	0	1258.99	0	0	0	0
1518	16	N479	0	1137.758	0	0	0	0
1519	16	N487	0	302.209	0	0	0	0
1520	16	N482	0	304.817	0	0	0	0
1521	16	N446	0	1290.736	0	0	0	0
1522	16	N488	0	276.995	0	0	0	0
1523	16	N447	0	1166.68	0	0	0	0
1524	16	N762	0	199.085	0	0	0	0
1525	16	N775	0	182.614	0	0	0	0
1526	16	N785	0	159.879	0	0	0	0
1527	16	N461	0	1147.84	0	0	0	0
1528	16	N484	0	327.624	0	0	0	0
1529	16	N458	0	978.801	0	0	0	0
1530	16	N473	0	1127.335	0	0	0	0
1531	16	N20	55.461	5692.099	-2406.654	0	0	0
1532	16	N385	0	286.2	0	0	0	0
1533	16	N401	0	293.895	0	0	0	0
1534	16	N21	-67.845	5503.831	-2357.843	0	0	0
1535	16	N325	0	278.283	0	0	0	0
1536	16	N387	0	291.473	0	0	0	0
1537	16	N308	0	303.099	0	0	0	0
1538	16	N323	0	354.869	0	0	0	0
1539	16	N309	0	323.223	0	0	0	0
1540	16	N395	0	289.262	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1541	16	N374	0	390.877	0	0	0	0
1542	16	N375	0	220.581	0	0	0	0
1543	16	N390	0	291.347	0	0	0	0
1544	16	N398	0	391.082	0	0	0	0
1545	16	N22	-8.262	4288.912	1104.153	0	0	0
1546	16	N23	16.706	4602.81	1056.986	0	0	0
1547	16	N381	0	269.205	0	0	0	0
1548	16	N383	0	261.308	0	0	0	0
1549	16	N373	0	294.49	0	0	0	0
1550	16	N376	0	452.692	0	0	0	0
1551	16	N389	0	215.003	0	0	0	0
1552	16	N396	0	276.969	0	0	0	0
1553	16	N36	-32.19	4147.037	-572.515	0	0	0
1554	16	N37	33.435	3971.924	-537.579	0	0	0
1555	16	N294	0	355.975	0	0	0	0
1556	16	N307	0	286.495	0	0	0	0
1557	16	N312	0	275.536	0	0	0	0
1558	16	N39	-82.028	5007.081	1833.1	0	0	0
1559	16	N38	84.723	4753.886	1880.352	0	0	0
1560	16	N293	0	280.58	0	0	0	0
1561	16	N306	0	246.185	0	0	0	0
1562	16	N310	0	374.344	0	0	0	0
1563	16	N322	0	327.393	0	0	0	0
1564	16	N324	0	280.527	0	0	0	0
1565	16	N326	0	272.275	0	0	0	0
1566	16	N363	0	276.497	0	0	0	0
1567	16	Totals:	0	93968.63	0			
1568	16	COG (ft):	X: 14.118	Y: 0.857	Z: 10.006			
1569	17	N454	0	1022.631	0	0	0	0
1570	17	N486	0	305.497	0	0	0	0
1571	17	N448	0	1065.642	0	0	0	0
1572	17	N794	0	71.499	0	0	0	0
1573	17	N867	0	84.173	0	0	0	0
1574	17	N840	0	241.438	0	0	0	0
1575	17	N842	0	93.884	0	0	0	0
1576	17	N859	0	140.004	0	0	0	0
1577	17	N449	0	1132.751	0	0	0	0
1578	17	N460	0	1049.527	0	0	0	0
1579	17	N451	0	1124.27	0	0	0	0
1580	17	N849	0	179.965	0	0	0	0
1581	17	N452	0	1025.205	0	0	0	0
1582	17	N462	0	1008.439	0	0	0	0
1583	17	N453	0	1136.694	0	0	0	0
1584	17	N455	-14.399	1109.012	60.696	0	0	0
1585	17	N457	0	1133.882	0	0	0	0
1586	17	N854	0	262.93	0	0	0	0
1587	17	N459	0	1136.872	0	0	0	0
1588	17	N464	0	1039.674	0	0	0	0
1589	17	N481	0	274.586	0	0	0	0
1590	17	N480	0	994.233	0	0	0	0
1591	17	N469	-14.903	1125.592	-68.882	0	0	0
1592	17	N465	0	1144.95	0	0	0	0
1593	17	N868	0	182.622	0	0	0	0
1594	17	N463	0	1134.899	0	0	0	0
1595	17	N436	0	511.794	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1596	17	N467	0	1138.708	0	0	0	0
1597	17	N450	0	1021.815	0	0	0	0
1598	17	N468	0	1049.309	0	0	0	0
1599	17	N471	0	1110.308	0	0	0	0
1600	17	N483	0	326.374	0	0	0	0
1601	17	N472	0	1923.879	0	0	0	0
1602	17	N475	0	1105.943	0	0	0	0
1603	17	N864	0	221.696	0	0	0	0
1604	17	N474	0	1002.174	0	0	0	0
1605	17	N476	0	1004.119	0	0	0	0
1606	17	N438	0	411.805	0	0	0	0
1607	17	N477	0	1160.049	0	0	0	0
1608	17	N470	5.55	986.514	-158.264	0	0	0
1609	17	N440	0	520.29	0	0	0	0
1610	17	N456	23.753	1872.478	166.45	0	0	0
1611	17	N442	0	532.209	0	0	0	0
1612	17	N466	0	1008.125	0	0	0	0
1613	17	N478	0	1255.124	0	0	0	0
1614	17	N485	0	296.438	0	0	0	0
1615	17	N445	0	1258.99	0	0	0	0
1616	17	N479	0	1137.758	0	0	0	0
1617	17	N487	0	302.209	0	0	0	0
1618	17	N482	0	304.817	0	0	0	0
1619	17	N446	0	1290.736	0	0	0	0
1620	17	N488	0	276.995	0	0	0	0
1621	17	N447	0	1166.68	0	0	0	0
1622	17	N762	0	199.085	0	0	0	0
1623	17	N775	0	182.614	0	0	0	0
1624	17	N785	0	159.879	0	0	0	0
1625	17	N461	0	1147.84	0	0	0	0
1626	17	N484	0	327.624	0	0	0	0
1627	17	N458	0	978.801	0	0	0	0
1628	17	N473	0	1127.335	0	0	0	0
1629	17	N20	55.461	5692.099	-2406.654	0	0	0
1630	17	N385	0	286.2	0	0	0	0
1631	17	N401	0	293.895	0	0	0	0
1632	17	N21	-67.845	5503.831	-2357.843	0	0	0
1633	17	N325	0	278.283	0	0	0	0
1634	17	N387	0	291.473	0	0	0	0
1635	17	N308	0	303.099	0	0	0	0
1636	17	N323	0	354.869	0	0	0	0
1637	17	N309	0	323.223	0	0	0	0
1638	17	N395	0	289.262	0	0	0	0
1639	17	N374	0	390.877	0	0	0	0
1640	17	N375	0	220.581	0	0	0	0
1641	17	N390	0	291.347	0	0	0	0
1642	17	N398	0	391.082	0	0	0	0
1643	17	N22	-8.262	4288.912	1104.153	0	0	0
1644	17	N23	16.706	4602.81	1056.986	0	0	0
1645	17	N381	0	269.205	0	0	0	0
1646	17	N383	0	261.308	0	0	0	0
1647	17	N373	0	294.49	0	0	0	0
1648	17	N376	0	452.692	0	0	0	0
1649	17	N389	0	215.003	0	0	0	0
1650	17	N396	0	276.969	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1651	17	N36	-32.19	4147.037	-572.515	0	0	0
1652	17	N37	33.435	3971.924	-537.579	0	0	0
1653	17	N294	0	355.975	0	0	0	0
1654	17	N307	0	286.495	0	0	0	0
1655	17	N312	0	275.536	0	0	0	0
1656	17	N39	-82.028	5007.081	1833.1	0	0	0
1657	17	N38	84.723	4753.886	1880.352	0	0	0
1658	17	N293	0	280.58	0	0	0	0
1659	17	N306	0	246.185	0	0	0	0
1660	17	N310	0	374.344	0	0	0	0
1661	17	N322	0	327.393	0	0	0	0
1662	17	N324	0	280.527	0	0	0	0
1663	17	N326	0	272.275	0	0	0	0
1664	17	N363	0	276.497	0	0	0	0
1665	17	Totals:	0	93968.63	0			
1666	17	COG (ft):	X: 14.118	Y: 0.857	Z: 10.006			
1667	18	N454	0	1025.586	0	0	0	0
1668	18	N486	0	313.443	0	0	0	0
1669	18	N448	0	1065.563	0	0	0	0
1670	18	N794	0	69.681	0	0	0	0
1671	18	N867	0	83.652	0	0	0	0
1672	18	N840	0	241.149	0	0	0	0
1673	18	N842	0	89.417	0	0	0	0
1674	18	N859	0	139.631	0	0	0	0
1675	18	N449	0	1142.614	0	0	0	0
1676	18	N460	0	1049.921	0	0	0	0
1677	18	N451	0	1135.411	0	0	0	0
1678	18	N849	0	179.926	0	0	0	0
1679	18	N452	0	1024.362	0	0	0	0
1680	18	N462	0	1008.35	0	0	0	0
1681	18	N453	0	1149.105	0	0	0	0
1682	18	N455	-13.469	1121.495	75.543	0	0	0
1683	18	N457	0	1146.593	0	0	0	0
1684	18	N854	0	262.931	0	0	0	0
1685	18	N459	0	1150.058	0	0	0	0
1686	18	N464	0	1039.691	0	0	0	0
1687	18	N481	0	280.364	0	0	0	0
1688	18	N480	0	988.002	0	0	0	0
1689	18	N469	-15.565	1138.274	-84.562	0	0	0
1690	18	N465	0	1158.194	0	0	0	0
1691	18	N868	0	182.619	0	0	0	0
1692	18	N463	0	1148.48	0	0	0	0
1693	18	N436	0	554.958	0	0	0	0
1694	18	N467	0	1151.467	0	0	0	0
1695	18	N450	0	1022.016	0	0	0	0
1696	18	N468	0	1049.278	0	0	0	0
1697	18	N471	0	1122.463	0	0	0	0
1698	18	N483	0	333.515	0	0	0	0
1699	18	N472	0	2036.183	0	0	0	0
1700	18	N475	0	1115.911	0	0	0	0
1701	18	N864	0	221.573	0	0	0	0
1702	18	N474	0	1002.215	0	0	0	0
1703	18	N476	0	1003.523	0	0	0	0
1704	18	N438	0	433.512	0	0	0	0
1705	18	N477	0	1169.03	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1706	18	N470	5.26	986.64	-179.142	0	0	0
1707	18	N440	0	548.715	0	0	0	0
1708	18	N456	23.775	1976.731	188.161	0	0	0
1709	18	N442	0	564.454	0	0	0	0
1710	18	N466	0	1008.13	0	0	0	0
1711	18	N478	0	1258.64	0	0	0	0
1712	18	N485	0	304.747	0	0	0	0
1713	18	N445	0	1268.557	0	0	0	0
1714	18	N479	0	1145.846	0	0	0	0
1715	18	N487	0	310.231	0	0	0	0
1716	18	N482	0	311.126	0	0	0	0
1717	18	N446	0	1292.002	0	0	0	0
1718	18	N488	0	285.543	0	0	0	0
1719	18	N447	0	1175.253	0	0	0	0
1720	18	N762	0	199.085	0	0	0	0
1721	18	N775	0	182.605	0	0	0	0
1722	18	N785	0	159.828	0	0	0	0
1723	18	N461	0	1161.347	0	0	0	0
1724	18	N484	0	336.096	0	0	0	0
1725	18	N458	0	977.088	0	0	0	0
1726	18	N473	0	1138.563	0	0	0	0
1727	18	N20	55.461	5692.099	-2406.654	0	0	0
1728	18	N385	0	286.2	0	0	0	0
1729	18	N401	0	293.895	0	0	0	0
1730	18	N21	-67.845	5503.831	-2357.843	0	0	0
1731	18	N325	0	278.283	0	0	0	0
1732	18	N387	0	291.473	0	0	0	0
1733	18	N308	0	303.099	0	0	0	0
1734	18	N323	0	354.869	0	0	0	0
1735	18	N309	0	323.223	0	0	0	0
1736	18	N395	0	289.262	0	0	0	0
1737	18	N374	0	390.877	0	0	0	0
1738	18	N375	0	220.581	0	0	0	0
1739	18	N390	0	291.347	0	0	0	0
1740	18	N398	0	391.082	0	0	0	0
1741	18	N22	-8.262	4288.912	1104.153	0	0	0
1742	18	N23	16.706	4602.81	1056.986	0	0	0
1743	18	N381	0	269.205	0	0	0	0
1744	18	N383	0	261.308	0	0	0	0
1745	18	N373	0	294.49	0	0	0	0
1746	18	N376	0	452.692	0	0	0	0
1747	18	N389	0	215.003	0	0	0	0
1748	18	N396	0	276.969	0	0	0	0
1749	18	N36	-32.19	4147.037	-572.515	0	0	0
1750	18	N37	33.435	3971.924	-537.579	0	0	0
1751	18	N294	0	355.975	0	0	0	0
1752	18	N307	0	286.495	0	0	0	0
1753	18	N312	0	275.536	0	0	0	0
1754	18	N39	-82.028	5007.081	1833.1	0	0	0
1755	18	N38	84.723	4753.886	1880.352	0	0	0
1756	18	N293	0	280.58	0	0	0	0
1757	18	N306	0	246.185	0	0	0	0
1758	18	N310	0	374.344	0	0	0	0
1759	18	N322	0	327.393	0	0	0	0
1760	18	N324	0	280.527	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1761	18	N326	0	272.275	0	0	0	0
1762	18	N363	0	276.497	0	0	0	0
1763	18	Totals:	0	94568.63	0			
1764	18	COG (ft):	X: 14.18	Y: 0.912	Z: 10.006			
1765	19	N454	0	1025.586	0	0	0	0
1766	19	N486	0	313.443	0	0	0	0
1767	19	N448	0	1065.563	0	0	0	0
1768	19	N794	0	69.681	0	0	0	0
1769	19	N867	0	83.652	0	0	0	0
1770	19	N840	0	241.149	0	0	0	0
1771	19	N842	0	89.417	0	0	0	0
1772	19	N859	0	139.631	0	0	0	0
1773	19	N449	0	1142.614	0	0	0	0
1774	19	N460	0	1049.921	0	0	0	0
1775	19	N451	0	1135.411	0	0	0	0
1776	19	N849	0	179.926	0	0	0	0
1777	19	N452	0	1024.362	0	0	0	0
1778	19	N462	0	1008.35	0	0	0	0
1779	19	N453	0	1149.105	0	0	0	0
1780	19	N455	-13.469	1121.495	75.543	0	0	0
1781	19	N457	0	1146.593	0	0	0	0
1782	19	N854	0	262.931	0	0	0	0
1783	19	N459	0	1150.058	0	0	0	0
1784	19	N464	0	1039.691	0	0	0	0
1785	19	N481	0	280.364	0	0	0	0
1786	19	N480	0	988.002	0	0	0	0
1787	19	N469	-15.565	1138.274	-84.562	0	0	0
1788	19	N465	0	1158.194	0	0	0	0
1789	19	N868	0	182.619	0	0	0	0
1790	19	N463	0	1148.48	0	0	0	0
1791	19	N436	0	554.958	0	0	0	0
1792	19	N467	0	1151.467	0	0	0	0
1793	19	N450	0	1022.016	0	0	0	0
1794	19	N468	0	1049.278	0	0	0	0
1795	19	N471	0	1122.463	0	0	0	0
1796	19	N483	0	333.515	0	0	0	0
1797	19	N472	0	2036.183	0	0	0	0
1798	19	N475	0	1115.911	0	0	0	0
1799	19	N864	0	221.573	0	0	0	0
1800	19	N474	0	1002.215	0	0	0	0
1801	19	N476	0	1003.523	0	0	0	0
1802	19	N438	0	433.512	0	0	0	0
1803	19	N477	0	1169.03	0	0	0	0
1804	19	N470	5.26	986.64	-179.142	0	0	0
1805	19	N440	0	548.715	0	0	0	0
1806	19	N456	23.775	1976.731	188.161	0	0	0
1807	19	N442	0	564.454	0	0	0	0
1808	19	N466	0	1008.13	0	0	0	0
1809	19	N478	0	1258.64	0	0	0	0
1810	19	N485	0	304.747	0	0	0	0
1811	19	N445	0	1268.557	0	0	0	0
1812	19	N479	0	1145.846	0	0	0	0
1813	19	N487	0	310.231	0	0	0	0
1814	19	N482	0	311.126	0	0	0	0
1815	19	N446	0	1292.002	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1816	19	N488	0	285.543	0	0	0	0
1817	19	N447	0	1175.253	0	0	0	0
1818	19	N762	0	199.085	0	0	0	0
1819	19	N775	0	182.605	0	0	0	0
1820	19	N785	0	159.828	0	0	0	0
1821	19	N461	0	1161.347	0	0	0	0
1822	19	N484	0	336.096	0	0	0	0
1823	19	N458	0	977.088	0	0	0	0
1824	19	N473	0	1138.563	0	0	0	0
1825	19	N20	55.461	5692.099	-2406.654	0	0	0
1826	19	N385	0	286.2	0	0	0	0
1827	19	N401	0	293.895	0	0	0	0
1828	19	N21	-67.845	5503.831	-2357.843	0	0	0
1829	19	N325	0	278.283	0	0	0	0
1830	19	N387	0	291.473	0	0	0	0
1831	19	N308	0	303.099	0	0	0	0
1832	19	N323	0	354.869	0	0	0	0
1833	19	N309	0	323.223	0	0	0	0
1834	19	N395	0	289.262	0	0	0	0
1835	19	N374	0	390.877	0	0	0	0
1836	19	N375	0	220.581	0	0	0	0
1837	19	N390	0	291.347	0	0	0	0
1838	19	N398	0	391.082	0	0	0	0
1839	19	N22	-8.262	4288.912	1104.153	0	0	0
1840	19	N23	16.706	4602.81	1056.986	0	0	0
1841	19	N381	0	269.205	0	0	0	0
1842	19	N383	0	261.308	0	0	0	0
1843	19	N373	0	294.49	0	0	0	0
1844	19	N376	0	452.692	0	0	0	0
1845	19	N389	0	215.003	0	0	0	0
1846	19	N396	0	276.969	0	0	0	0
1847	19	N36	-32.19	4147.037	-572.515	0	0	0
1848	19	N37	33.435	3971.924	-537.579	0	0	0
1849	19	N294	0	355.975	0	0	0	0
1850	19	N307	0	286.495	0	0	0	0
1851	19	N312	0	275.536	0	0	0	0
1852	19	N39	-82.028	5007.081	1833.1	0	0	0
1853	19	N38	84.723	4753.886	1880.352	0	0	0
1854	19	N293	0	280.58	0	0	0	0
1855	19	N306	0	246.185	0	0	0	0
1856	19	N310	0	374.344	0	0	0	0
1857	19	N322	0	327.393	0	0	0	0
1858	19	N324	0	280.527	0	0	0	0
1859	19	N326	0	272.275	0	0	0	0
1860	19	N363	0	276.497	0	0	0	0
1861	19	Totals:	0	94568.63	0			
1862	19	COG (ft):	X: 14.18	Y: 0.912	Z: 10.006			
1863	20	N454	0	1025.586	0	0	0	0
1864	20	N486	0	313.443	0	0	0	0
1865	20	N448	0	1065.563	0	0	0	0
1866	20	N794	0	69.681	0	0	0	0
1867	20	N867	0	83.652	0	0	0	0
1868	20	N840	0	241.149	0	0	0	0
1869	20	N842	0	89.417	0	0	0	0
1870	20	N859	0	139.631	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1871	20	N449	0	1142.614	0	0	0	0
1872	20	N460	0	1049.921	0	0	0	0
1873	20	N451	0	1135.411	0	0	0	0
1874	20	N849	0	179.926	0	0	0	0
1875	20	N452	0	1024.362	0	0	0	0
1876	20	N462	0	1008.35	0	0	0	0
1877	20	N453	0	1149.105	0	0	0	0
1878	20	N455	-13.469	1121.495	75.543	0	0	0
1879	20	N457	0	1146.593	0	0	0	0
1880	20	N854	0	262.931	0	0	0	0
1881	20	N459	0	1150.058	0	0	0	0
1882	20	N464	0	1039.691	0	0	0	0
1883	20	N481	0	280.364	0	0	0	0
1884	20	N480	0	988.002	0	0	0	0
1885	20	N469	-15.565	1138.274	-84.562	0	0	0
1886	20	N465	0	1158.194	0	0	0	0
1887	20	N868	0	182.619	0	0	0	0
1888	20	N463	0	1148.48	0	0	0	0
1889	20	N436	0	554.958	0	0	0	0
1890	20	N467	0	1151.467	0	0	0	0
1891	20	N450	0	1022.016	0	0	0	0
1892	20	N468	0	1049.278	0	0	0	0
1893	20	N471	0	1122.463	0	0	0	0
1894	20	N483	0	333.515	0	0	0	0
1895	20	N472	0	2036.183	0	0	0	0
1896	20	N475	0	1115.911	0	0	0	0
1897	20	N864	0	221.573	0	0	0	0
1898	20	N474	0	1002.215	0	0	0	0
1899	20	N476	0	1003.523	0	0	0	0
1900	20	N438	0	433.512	0	0	0	0
1901	20	N477	0	1169.03	0	0	0	0
1902	20	N470	5.26	986.64	-179.142	0	0	0
1903	20	N440	0	548.715	0	0	0	0
1904	20	N456	23.775	1976.731	188.161	0	0	0
1905	20	N442	0	564.454	0	0	0	0
1906	20	N466	0	1008.13	0	0	0	0
1907	20	N478	0	1258.64	0	0	0	0
1908	20	N485	0	304.747	0	0	0	0
1909	20	N445	0	1268.557	0	0	0	0
1910	20	N479	0	1145.846	0	0	0	0
1911	20	N487	0	310.231	0	0	0	0
1912	20	N482	0	311.126	0	0	0	0
1913	20	N446	0	1292.002	0	0	0	0
1914	20	N488	0	285.543	0	0	0	0
1915	20	N447	0	1175.253	0	0	0	0
1916	20	N762	0	199.085	0	0	0	0
1917	20	N775	0	182.605	0	0	0	0
1918	20	N785	0	159.828	0	0	0	0
1919	20	N461	0	1161.347	0	0	0	0
1920	20	N484	0	336.096	0	0	0	0
1921	20	N458	0	977.088	0	0	0	0
1922	20	N473	0	1138.563	0	0	0	0
1923	20	N20	55.461	5692.099	-2406.654	0	0	0
1924	20	N385	0	286.2	0	0	0	0
1925	20	N401	0	293.895	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1926	20	N21	-67.845	5503.831	-2357.843	0	0	0
1927	20	N325	0	278.283	0	0	0	0
1928	20	N387	0	291.473	0	0	0	0
1929	20	N308	0	303.099	0	0	0	0
1930	20	N323	0	354.869	0	0	0	0
1931	20	N309	0	323.223	0	0	0	0
1932	20	N395	0	289.262	0	0	0	0
1933	20	N374	0	390.877	0	0	0	0
1934	20	N375	0	220.581	0	0	0	0
1935	20	N390	0	291.347	0	0	0	0
1936	20	N398	0	391.082	0	0	0	0
1937	20	N22	-8.262	4288.912	1104.153	0	0	0
1938	20	N23	16.706	4602.81	1056.986	0	0	0
1939	20	N381	0	269.205	0	0	0	0
1940	20	N383	0	261.308	0	0	0	0
1941	20	N373	0	294.49	0	0	0	0
1942	20	N376	0	452.692	0	0	0	0
1943	20	N389	0	215.003	0	0	0	0
1944	20	N396	0	276.969	0	0	0	0
1945	20	N36	-32.19	4147.037	-572.515	0	0	0
1946	20	N37	33.435	3971.924	-537.579	0	0	0
1947	20	N294	0	355.975	0	0	0	0
1948	20	N307	0	286.495	0	0	0	0
1949	20	N312	0	275.536	0	0	0	0
1950	20	N39	-82.028	5007.081	1833.1	0	0	0
1951	20	N38	84.723	4753.886	1880.352	0	0	0
1952	20	N293	0	280.58	0	0	0	0
1953	20	N306	0	246.185	0	0	0	0
1954	20	N310	0	374.344	0	0	0	0
1955	20	N322	0	327.393	0	0	0	0
1956	20	N324	0	280.527	0	0	0	0
1957	20	N326	0	272.275	0	0	0	0
1958	20	N363	0	276.497	0	0	0	0
1959	20	Totals:	0	94568.63	0			
1960	20	COG (ft):	X: 14.18	Y: 0.912	Z: 10.006			
1961	21	N454	0	1025.586	0	0	0	0
1962	21	N486	0	313.443	0	0	0	0
1963	21	N448	0	1065.563	0	0	0	0
1964	21	N794	0	69.681	0	0	0	0
1965	21	N867	0	83.652	0	0	0	0
1966	21	N840	0	241.149	0	0	0	0
1967	21	N842	0	89.417	0	0	0	0
1968	21	N859	0	139.631	0	0	0	0
1969	21	N449	0	1142.614	0	0	0	0
1970	21	N460	0	1049.921	0	0	0	0
1971	21	N451	0	1135.411	0	0	0	0
1972	21	N849	0	179.926	0	0	0	0
1973	21	N452	0	1024.362	0	0	0	0
1974	21	N462	0	1008.35	0	0	0	0
1975	21	N453	0	1149.105	0	0	0	0
1976	21	N455	-13.469	1121.495	75.543	0	0	0
1977	21	N457	0	1146.593	0	0	0	0
1978	21	N854	0	262.931	0	0	0	0
1979	21	N459	0	1150.058	0	0	0	0
1980	21	N464	0	1039.691	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
1981	21	N481	0	280.364	0	0	0	0
1982	21	N480	0	988.002	0	0	0	0
1983	21	N469	-15.565	1138.274	-84.562	0	0	0
1984	21	N465	0	1158.194	0	0	0	0
1985	21	N868	0	182.619	0	0	0	0
1986	21	N463	0	1148.48	0	0	0	0
1987	21	N436	0	554.958	0	0	0	0
1988	21	N467	0	1151.467	0	0	0	0
1989	21	N450	0	1022.016	0	0	0	0
1990	21	N468	0	1049.278	0	0	0	0
1991	21	N471	0	1122.463	0	0	0	0
1992	21	N483	0	333.515	0	0	0	0
1993	21	N472	0	2036.183	0	0	0	0
1994	21	N475	0	1115.911	0	0	0	0
1995	21	N864	0	221.573	0	0	0	0
1996	21	N474	0	1002.215	0	0	0	0
1997	21	N476	0	1003.523	0	0	0	0
1998	21	N438	0	433.512	0	0	0	0
1999	21	N477	0	1169.03	0	0	0	0
2000	21	N470	5.26	986.64	-179.142	0	0	0
2001	21	N440	0	548.715	0	0	0	0
2002	21	N456	23.775	1976.731	188.161	0	0	0
2003	21	N442	0	564.454	0	0	0	0
2004	21	N466	0	1008.13	0	0	0	0
2005	21	N478	0	1258.64	0	0	0	0
2006	21	N485	0	304.747	0	0	0	0
2007	21	N445	0	1268.557	0	0	0	0
2008	21	N479	0	1145.846	0	0	0	0
2009	21	N487	0	310.231	0	0	0	0
2010	21	N482	0	311.126	0	0	0	0
2011	21	N446	0	1292.002	0	0	0	0
2012	21	N488	0	285.543	0	0	0	0
2013	21	N447	0	1175.253	0	0	0	0
2014	21	N762	0	199.085	0	0	0	0
2015	21	N775	0	182.605	0	0	0	0
2016	21	N785	0	159.828	0	0	0	0
2017	21	N461	0	1161.347	0	0	0	0
2018	21	N484	0	336.096	0	0	0	0
2019	21	N458	0	977.088	0	0	0	0
2020	21	N473	0	1138.563	0	0	0	0
2021	21	N20	55.461	5692.099	-2406.654	0	0	0
2022	21	N385	0	286.2	0	0	0	0
2023	21	N401	0	293.895	0	0	0	0
2024	21	N21	-67.845	5503.831	-2357.843	0	0	0
2025	21	N325	0	278.283	0	0	0	0
2026	21	N387	0	291.473	0	0	0	0
2027	21	N308	0	303.099	0	0	0	0
2028	21	N323	0	354.869	0	0	0	0
2029	21	N309	0	323.223	0	0	0	0
2030	21	N395	0	289.262	0	0	0	0
2031	21	N374	0	390.877	0	0	0	0
2032	21	N375	0	220.581	0	0	0	0
2033	21	N390	0	291.347	0	0	0	0
2034	21	N398	0	391.082	0	0	0	0
2035	21	N22	-8.262	4288.912	1104.153	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2036	21	N23	16.706	4602.81	1056.986	0	0	0
2037	21	N381	0	269.205	0	0	0	0
2038	21	N383	0	261.308	0	0	0	0
2039	21	N373	0	294.49	0	0	0	0
2040	21	N376	0	452.692	0	0	0	0
2041	21	N389	0	215.003	0	0	0	0
2042	21	N396	0	276.969	0	0	0	0
2043	21	N36	-32.19	4147.037	-572.515	0	0	0
2044	21	N37	33.435	3971.924	-537.579	0	0	0
2045	21	N294	0	355.975	0	0	0	0
2046	21	N307	0	286.495	0	0	0	0
2047	21	N312	0	275.536	0	0	0	0
2048	21	N39	-82.028	5007.081	1833.1	0	0	0
2049	21	N38	84.723	4753.886	1880.352	0	0	0
2050	21	N293	0	280.58	0	0	0	0
2051	21	N306	0	246.185	0	0	0	0
2052	21	N310	0	374.344	0	0	0	0
2053	21	N322	0	327.393	0	0	0	0
2054	21	N324	0	280.527	0	0	0	0
2055	21	N326	0	272.275	0	0	0	0
2056	21	N363	0	276.497	0	0	0	0
2057	21	Totals:	0	94568.63	0			
2058	21	COG (ft):	X: 14.18	Y: 0.912	Z: 10.006			
2059	22	N454	0	1022.631	0	0	0	0
2060	22	N486	0	305.497	0	0	0	0
2061	22	N448	0	1065.642	0	0	0	0
2062	22	N794	0	71.499	0	0	0	0
2063	22	N867	0	84.173	0	0	0	0
2064	22	N840	0	241.438	0	0	0	0
2065	22	N842	0	93.884	0	0	0	0
2066	22	N859	0	140.004	0	0	0	0
2067	22	N449	0	1132.751	0	0	0	0
2068	22	N460	0	1049.527	0	0	0	0
2069	22	N451	0	1124.27	0	0	0	0
2070	22	N849	0	179.965	0	0	0	0
2071	22	N452	0	1025.205	0	0	0	0
2072	22	N462	0	1008.439	0	0	0	0
2073	22	N453	0	1136.694	0	0	0	0
2074	22	N455	-14.399	1109.012	60.696	0	0	0
2075	22	N457	0	1133.882	0	0	0	0
2076	22	N854	0	262.93	0	0	0	0
2077	22	N459	0	1136.872	0	0	0	0
2078	22	N464	0	1039.674	0	0	0	0
2079	22	N481	0	274.586	0	0	0	0
2080	22	N480	0	994.233	0	0	0	0
2081	22	N469	-14.903	1125.592	-68.882	0	0	0
2082	22	N465	0	1144.95	0	0	0	0
2083	22	N868	0	182.622	0	0	0	0
2084	22	N463	0	1134.899	0	0	0	0
2085	22	N436	0	511.794	0	0	0	0
2086	22	N467	0	1138.708	0	0	0	0
2087	22	N450	0	1021.815	0	0	0	0
2088	22	N468	0	1049.309	0	0	0	0
2089	22	N471	0	1110.308	0	0	0	0
2090	22	N483	0	326.374	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2091	22	N472	0	1923.879	0	0	0	0
2092	22	N475	0	1105.943	0	0	0	0
2093	22	N864	0	221.696	0	0	0	0
2094	22	N474	0	1002.174	0	0	0	0
2095	22	N476	0	1004.119	0	0	0	0
2096	22	N438	0	411.805	0	0	0	0
2097	22	N477	0	1160.049	0	0	0	0
2098	22	N470	5.55	986.514	-158.264	0	0	0
2099	22	N440	0	520.29	0	0	0	0
2100	22	N456	23.753	1872.478	166.45	0	0	0
2101	22	N442	0	532.209	0	0	0	0
2102	22	N466	0	1008.125	0	0	0	0
2103	22	N478	0	1255.124	0	0	0	0
2104	22	N485	0	296.438	0	0	0	0
2105	22	N445	0	1258.99	0	0	0	0
2106	22	N479	0	1137.758	0	0	0	0
2107	22	N487	0	302.209	0	0	0	0
2108	22	N482	0	304.817	0	0	0	0
2109	22	N446	0	1290.736	0	0	0	0
2110	22	N488	0	276.995	0	0	0	0
2111	22	N447	0	1166.68	0	0	0	0
2112	22	N762	0	199.085	0	0	0	0
2113	22	N775	0	182.614	0	0	0	0
2114	22	N785	0	159.879	0	0	0	0
2115	22	N461	0	1147.84	0	0	0	0
2116	22	N484	0	327.624	0	0	0	0
2117	22	N458	0	978.801	0	0	0	0
2118	22	N473	0	1127.335	0	0	0	0
2119	22	N20	55.461	5692.099	-2406.654	0	0	0
2120	22	N385	0	286.2	0	0	0	0
2121	22	N401	0	293.895	0	0	0	0
2122	22	N21	-67.845	5503.831	-2357.843	0	0	0
2123	22	N325	0	278.283	0	0	0	0
2124	22	N387	0	291.473	0	0	0	0
2125	22	N308	0	303.099	0	0	0	0
2126	22	N323	0	354.869	0	0	0	0
2127	22	N309	0	323.223	0	0	0	0
2128	22	N395	0	289.262	0	0	0	0
2129	22	N374	0	390.877	0	0	0	0
2130	22	N375	0	220.581	0	0	0	0
2131	22	N390	0	291.347	0	0	0	0
2132	22	N398	0	391.082	0	0	0	0
2133	22	N22	-8.262	4288.912	1104.153	0	0	0
2134	22	N23	16.706	4602.81	1056.986	0	0	0
2135	22	N381	0	269.205	0	0	0	0
2136	22	N383	0	261.308	0	0	0	0
2137	22	N373	0	294.49	0	0	0	0
2138	22	N376	0	452.692	0	0	0	0
2139	22	N389	0	215.003	0	0	0	0
2140	22	N396	0	276.969	0	0	0	0
2141	22	N36	-32.19	4147.037	-572.515	0	0	0
2142	22	N37	33.435	3971.924	-537.579	0	0	0
2143	22	N294	0	355.975	0	0	0	0
2144	22	N307	0	286.495	0	0	0	0
2145	22	N312	0	275.536	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2146	22	N39	-82.028	5007.081	1833.1	0	0	0
2147	22	N38	84.723	4753.886	1880.352	0	0	0
2148	22	N293	0	280.58	0	0	0	0
2149	22	N306	0	246.185	0	0	0	0
2150	22	N310	0	374.344	0	0	0	0
2151	22	N322	0	327.393	0	0	0	0
2152	22	N324	0	280.527	0	0	0	0
2153	22	N326	0	272.275	0	0	0	0
2154	22	N363	0	276.497	0	0	0	0
2155	22	Totals:	0	93968.63	0			
2156	22	COG (ft):	X: 14.118	Y: 0.857	Z: 10.006			
2157	23	N454	0	1022.631	0	0	0	0
2158	23	N486	0	305.497	0	0	0	0
2159	23	N448	0	1065.642	0	0	0	0
2160	23	N794	0	71.499	0	0	0	0
2161	23	N867	0	84.173	0	0	0	0
2162	23	N840	0	241.438	0	0	0	0
2163	23	N842	0	93.884	0	0	0	0
2164	23	N859	0	140.004	0	0	0	0
2165	23	N449	0	1132.751	0	0	0	0
2166	23	N460	0	1049.527	0	0	0	0
2167	23	N451	0	1124.27	0	0	0	0
2168	23	N849	0	179.965	0	0	0	0
2169	23	N452	0	1025.205	0	0	0	0
2170	23	N462	0	1008.439	0	0	0	0
2171	23	N453	0	1136.694	0	0	0	0
2172	23	N455	-14.399	1109.012	60.696	0	0	0
2173	23	N457	0	1133.882	0	0	0	0
2174	23	N854	0	262.93	0	0	0	0
2175	23	N459	0	1136.872	0	0	0	0
2176	23	N464	0	1039.674	0	0	0	0
2177	23	N481	0	274.586	0	0	0	0
2178	23	N480	0	994.233	0	0	0	0
2179	23	N469	-14.903	1125.592	-68.882	0	0	0
2180	23	N465	0	1144.95	0	0	0	0
2181	23	N868	0	182.622	0	0	0	0
2182	23	N463	0	1134.899	0	0	0	0
2183	23	N436	0	511.794	0	0	0	0
2184	23	N467	0	1138.708	0	0	0	0
2185	23	N450	0	1021.815	0	0	0	0
2186	23	N468	0	1049.309	0	0	0	0
2187	23	N471	0	1110.308	0	0	0	0
2188	23	N483	0	326.374	0	0	0	0
2189	23	N472	0	1923.879	0	0	0	0
2190	23	N475	0	1105.943	0	0	0	0
2191	23	N864	0	221.696	0	0	0	0
2192	23	N474	0	1002.174	0	0	0	0
2193	23	N476	0	1004.119	0	0	0	0
2194	23	N438	0	411.805	0	0	0	0
2195	23	N477	0	1160.049	0	0	0	0
2196	23	N470	5.55	986.514	-158.264	0	0	0
2197	23	N440	0	520.29	0	0	0	0
2198	23	N456	23.753	1872.478	166.45	0	0	0
2199	23	N442	0	532.209	0	0	0	0
2200	23	N466	0	1008.125	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2201	23	N478	0	1255.124	0	0	0	0
2202	23	N485	0	296.438	0	0	0	0
2203	23	N445	0	1258.99	0	0	0	0
2204	23	N479	0	1137.758	0	0	0	0
2205	23	N487	0	302.209	0	0	0	0
2206	23	N482	0	304.817	0	0	0	0
2207	23	N446	0	1290.736	0	0	0	0
2208	23	N488	0	276.995	0	0	0	0
2209	23	N447	0	1166.68	0	0	0	0
2210	23	N762	0	199.085	0	0	0	0
2211	23	N775	0	182.614	0	0	0	0
2212	23	N785	0	159.879	0	0	0	0
2213	23	N461	0	1147.84	0	0	0	0
2214	23	N484	0	327.624	0	0	0	0
2215	23	N458	0	978.801	0	0	0	0
2216	23	N473	0	1127.335	0	0	0	0
2217	23	N20	55.461	5692.099	-2406.654	0	0	0
2218	23	N385	0	286.2	0	0	0	0
2219	23	N401	0	293.895	0	0	0	0
2220	23	N21	-67.845	5503.831	-2357.843	0	0	0
2221	23	N325	0	278.283	0	0	0	0
2222	23	N387	0	291.473	0	0	0	0
2223	23	N308	0	303.099	0	0	0	0
2224	23	N323	0	354.869	0	0	0	0
2225	23	N309	0	323.223	0	0	0	0
2226	23	N395	0	289.262	0	0	0	0
2227	23	N374	0	390.877	0	0	0	0
2228	23	N375	0	220.581	0	0	0	0
2229	23	N390	0	291.347	0	0	0	0
2230	23	N398	0	391.082	0	0	0	0
2231	23	N22	-8.262	4288.912	1104.153	0	0	0
2232	23	N23	16.706	4602.81	1056.986	0	0	0
2233	23	N381	0	269.205	0	0	0	0
2234	23	N383	0	261.308	0	0	0	0
2235	23	N373	0	294.49	0	0	0	0
2236	23	N376	0	452.692	0	0	0	0
2237	23	N389	0	215.003	0	0	0	0
2238	23	N396	0	276.969	0	0	0	0
2239	23	N36	-32.19	4147.037	-572.515	0	0	0
2240	23	N37	33.435	3971.924	-537.579	0	0	0
2241	23	N294	0	355.975	0	0	0	0
2242	23	N307	0	286.495	0	0	0	0
2243	23	N312	0	275.536	0	0	0	0
2244	23	N39	-82.028	5007.081	1833.1	0	0	0
2245	23	N38	84.723	4753.886	1880.352	0	0	0
2246	23	N293	0	280.58	0	0	0	0
2247	23	N306	0	246.185	0	0	0	0
2248	23	N310	0	374.344	0	0	0	0
2249	23	N322	0	327.393	0	0	0	0
2250	23	N324	0	280.527	0	0	0	0
2251	23	N326	0	272.275	0	0	0	0
2252	23	N363	0	276.497	0	0	0	0
2253	23	Totals:	0	93968.63	0			
2254	23	COG (ft):	X: 14.118	Y: 0.857	Z: 10.006			
2255	24	N454	0	1022.631	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2256	24	N486	0	305.497	0	0	0	0
2257	24	N448	0	1065.642	0	0	0	0
2258	24	N794	0	71.499	0	0	0	0
2259	24	N867	0	84.173	0	0	0	0
2260	24	N840	0	241.438	0	0	0	0
2261	24	N842	0	93.884	0	0	0	0
2262	24	N859	0	140.004	0	0	0	0
2263	24	N449	0	1132.751	0	0	0	0
2264	24	N460	0	1049.527	0	0	0	0
2265	24	N451	0	1124.27	0	0	0	0
2266	24	N849	0	179.965	0	0	0	0
2267	24	N452	0	1025.205	0	0	0	0
2268	24	N462	0	1008.439	0	0	0	0
2269	24	N453	0	1136.694	0	0	0	0
2270	24	N455	-14.399	1109.012	60.696	0	0	0
2271	24	N457	0	1133.882	0	0	0	0
2272	24	N854	0	262.93	0	0	0	0
2273	24	N459	0	1136.872	0	0	0	0
2274	24	N464	0	1039.674	0	0	0	0
2275	24	N481	0	274.586	0	0	0	0
2276	24	N480	0	994.233	0	0	0	0
2277	24	N469	-14.903	1125.592	-68.882	0	0	0
2278	24	N465	0	1144.95	0	0	0	0
2279	24	N868	0	182.622	0	0	0	0
2280	24	N463	0	1134.899	0	0	0	0
2281	24	N436	0	511.794	0	0	0	0
2282	24	N467	0	1138.708	0	0	0	0
2283	24	N450	0	1021.815	0	0	0	0
2284	24	N468	0	1049.309	0	0	0	0
2285	24	N471	0	1110.308	0	0	0	0
2286	24	N483	0	326.374	0	0	0	0
2287	24	N472	0	1923.879	0	0	0	0
2288	24	N475	0	1105.943	0	0	0	0
2289	24	N864	0	221.696	0	0	0	0
2290	24	N474	0	1002.174	0	0	0	0
2291	24	N476	0	1004.119	0	0	0	0
2292	24	N438	0	411.805	0	0	0	0
2293	24	N477	0	1160.049	0	0	0	0
2294	24	N470	5.55	986.514	-158.264	0	0	0
2295	24	N440	0	520.29	0	0	0	0
2296	24	N456	23.753	1872.478	166.45	0	0	0
2297	24	N442	0	532.209	0	0	0	0
2298	24	N466	0	1008.125	0	0	0	0
2299	24	N478	0	1255.124	0	0	0	0
2300	24	N485	0	296.438	0	0	0	0
2301	24	N445	0	1258.99	0	0	0	0
2302	24	N479	0	1137.758	0	0	0	0
2303	24	N487	0	302.209	0	0	0	0
2304	24	N482	0	304.817	0	0	0	0
2305	24	N446	0	1290.736	0	0	0	0
2306	24	N488	0	276.995	0	0	0	0
2307	24	N447	0	1166.68	0	0	0	0
2308	24	N762	0	199.085	0	0	0	0
2309	24	N775	0	182.614	0	0	0	0
2310	24	N785	0	159.879	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2311	24	N461	0	1147.84	0	0	0	0
2312	24	N484	0	327.624	0	0	0	0
2313	24	N458	0	978.801	0	0	0	0
2314	24	N473	0	1127.335	0	0	0	0
2315	24	N20	55.461	5692.099	-2406.654	0	0	0
2316	24	N385	0	286.2	0	0	0	0
2317	24	N401	0	293.895	0	0	0	0
2318	24	N21	-67.845	5503.831	-2357.843	0	0	0
2319	24	N325	0	278.283	0	0	0	0
2320	24	N387	0	291.473	0	0	0	0
2321	24	N308	0	303.099	0	0	0	0
2322	24	N323	0	354.869	0	0	0	0
2323	24	N309	0	323.223	0	0	0	0
2324	24	N395	0	289.262	0	0	0	0
2325	24	N374	0	390.877	0	0	0	0
2326	24	N375	0	220.581	0	0	0	0
2327	24	N390	0	291.347	0	0	0	0
2328	24	N398	0	391.082	0	0	0	0
2329	24	N22	-8.262	4288.912	1104.153	0	0	0
2330	24	N23	16.706	4602.81	1056.986	0	0	0
2331	24	N381	0	269.205	0	0	0	0
2332	24	N383	0	261.308	0	0	0	0
2333	24	N373	0	294.49	0	0	0	0
2334	24	N376	0	452.692	0	0	0	0
2335	24	N389	0	215.003	0	0	0	0
2336	24	N396	0	276.969	0	0	0	0
2337	24	N36	-32.19	4147.037	-572.515	0	0	0
2338	24	N37	33.435	3971.924	-537.579	0	0	0
2339	24	N294	0	355.975	0	0	0	0
2340	24	N307	0	286.495	0	0	0	0
2341	24	N312	0	275.536	0	0	0	0
2342	24	N39	-82.028	5007.081	1833.1	0	0	0
2343	24	N38	84.723	4753.886	1880.352	0	0	0
2344	24	N293	0	280.58	0	0	0	0
2345	24	N306	0	246.185	0	0	0	0
2346	24	N310	0	374.344	0	0	0	0
2347	24	N322	0	327.393	0	0	0	0
2348	24	N324	0	280.527	0	0	0	0
2349	24	N326	0	272.275	0	0	0	0
2350	24	N363	0	276.497	0	0	0	0
2351	24	Totals:	0	93968.63	0			
2352	24	COG (ft):	X: 14.118	Y: 0.857	Z: 10.006			
2353	25	N454	0	1022.631	0	0	0	0
2354	25	N486	0	305.497	0	0	0	0
2355	25	N448	0	1065.642	0	0	0	0
2356	25	N794	0	71.499	0	0	0	0
2357	25	N867	0	84.173	0	0	0	0
2358	25	N840	0	241.438	0	0	0	0
2359	25	N842	0	93.884	0	0	0	0
2360	25	N859	0	140.004	0	0	0	0
2361	25	N449	0	1132.751	0	0	0	0
2362	25	N460	0	1049.527	0	0	0	0
2363	25	N451	0	1124.27	0	0	0	0
2364	25	N849	0	179.965	0	0	0	0
2365	25	N452	0	1025.205	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2366	25	N462	0	1008.439	0	0	0	0
2367	25	N453	0	1136.694	0	0	0	0
2368	25	N455	-14.399	1109.012	60.696	0	0	0
2369	25	N457	0	1133.882	0	0	0	0
2370	25	N854	0	262.93	0	0	0	0
2371	25	N459	0	1136.872	0	0	0	0
2372	25	N464	0	1039.674	0	0	0	0
2373	25	N481	0	274.586	0	0	0	0
2374	25	N480	0	994.233	0	0	0	0
2375	25	N469	-14.903	1125.592	-68.882	0	0	0
2376	25	N465	0	1144.95	0	0	0	0
2377	25	N868	0	182.622	0	0	0	0
2378	25	N463	0	1134.899	0	0	0	0
2379	25	N436	0	511.794	0	0	0	0
2380	25	N467	0	1138.708	0	0	0	0
2381	25	N450	0	1021.815	0	0	0	0
2382	25	N468	0	1049.309	0	0	0	0
2383	25	N471	0	1110.308	0	0	0	0
2384	25	N483	0	326.374	0	0	0	0
2385	25	N472	0	1923.879	0	0	0	0
2386	25	N475	0	1105.943	0	0	0	0
2387	25	N864	0	221.696	0	0	0	0
2388	25	N474	0	1002.174	0	0	0	0
2389	25	N476	0	1004.119	0	0	0	0
2390	25	N438	0	411.805	0	0	0	0
2391	25	N477	0	1160.049	0	0	0	0
2392	25	N470	5.55	986.514	-158.264	0	0	0
2393	25	N440	0	520.29	0	0	0	0
2394	25	N456	23.753	1872.478	166.45	0	0	0
2395	25	N442	0	532.209	0	0	0	0
2396	25	N466	0	1008.125	0	0	0	0
2397	25	N478	0	1255.124	0	0	0	0
2398	25	N485	0	296.438	0	0	0	0
2399	25	N445	0	1258.99	0	0	0	0
2400	25	N479	0	1137.758	0	0	0	0
2401	25	N487	0	302.209	0	0	0	0
2402	25	N482	0	304.817	0	0	0	0
2403	25	N446	0	1290.736	0	0	0	0
2404	25	N488	0	276.995	0	0	0	0
2405	25	N447	0	1166.68	0	0	0	0
2406	25	N762	0	199.085	0	0	0	0
2407	25	N775	0	182.614	0	0	0	0
2408	25	N785	0	159.879	0	0	0	0
2409	25	N461	0	1147.84	0	0	0	0
2410	25	N484	0	327.624	0	0	0	0
2411	25	N458	0	978.801	0	0	0	0
2412	25	N473	0	1127.335	0	0	0	0
2413	25	N20	55.461	5692.099	-2406.654	0	0	0
2414	25	N385	0	286.2	0	0	0	0
2415	25	N401	0	293.895	0	0	0	0
2416	25	N21	-67.845	5503.831	-2357.843	0	0	0
2417	25	N325	0	278.283	0	0	0	0
2418	25	N387	0	291.473	0	0	0	0
2419	25	N308	0	303.099	0	0	0	0
2420	25	N323	0	354.869	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2421	25	N309	0	323.223	0	0	0	0
2422	25	N395	0	289.262	0	0	0	0
2423	25	N374	0	390.877	0	0	0	0
2424	25	N375	0	220.581	0	0	0	0
2425	25	N390	0	291.347	0	0	0	0
2426	25	N398	0	391.082	0	0	0	0
2427	25	N22	-8.262	4288.912	1104.153	0	0	0
2428	25	N23	16.706	4602.81	1056.986	0	0	0
2429	25	N381	0	269.205	0	0	0	0
2430	25	N383	0	261.308	0	0	0	0
2431	25	N373	0	294.49	0	0	0	0
2432	25	N376	0	452.692	0	0	0	0
2433	25	N389	0	215.003	0	0	0	0
2434	25	N396	0	276.969	0	0	0	0
2435	25	N36	-32.19	4147.037	-572.515	0	0	0
2436	25	N37	33.435	3971.924	-537.579	0	0	0
2437	25	N294	0	355.975	0	0	0	0
2438	25	N307	0	286.495	0	0	0	0
2439	25	N312	0	275.536	0	0	0	0
2440	25	N39	-82.028	5007.081	1833.1	0	0	0
2441	25	N38	84.723	4753.886	1880.352	0	0	0
2442	25	N293	0	280.58	0	0	0	0
2443	25	N306	0	246.185	0	0	0	0
2444	25	N310	0	374.344	0	0	0	0
2445	25	N322	0	327.393	0	0	0	0
2446	25	N324	0	280.527	0	0	0	0
2447	25	N326	0	272.275	0	0	0	0
2448	25	N363	0	276.497	0	0	0	0
2449	25	Totals:	0	93968.63	0			
2450	25	COG (ft):	X: 14.118	Y: 0.857	Z: 10.006			
2451	26	N454	0	54.528	0	0	0	0
2452	26	N486	0	77.118	0	0	0	0
2453	26	N448	0	51.359	0	0	0	0
2454	26	N794	0	-3.67	0	0	0	0
2455	26	N867	0	3.62	0	0	0	0
2456	26	N840	0	11.528	0	0	0	0
2457	26	N842	0	-10.88	0	0	0	0
2458	26	N859	0	7.706	0	0	0	0
2459	26	N449	0	102.416	0	0	0	0
2460	26	N460	0	59.336	0	0	0	0
2461	26	N451	0	100.801	0	0	0	0
2462	26	N849	0	11.026	0	0	0	0
2463	26	N452	0	53.353	0	0	0	0
2464	26	N462	0	47.76	0	0	0	0
2465	26	N453	0	101.44	0	0	0	0
2466	26	N455	-4.76	97.565	26.963	0	0	0
2467	26	N457	0	100.896	0	0	0	0
2468	26	N854	0	13.365	0	0	0	0
2469	26	N459	0	103.152	0	0	0	0
2470	26	N464	0	56.742	0	0	0	0
2471	26	N481	0	73.85	0	0	0	0
2472	26	N480	0	37.609	0	0	0	0
2473	26	N469	-5.32	98.978	-29.8	0	0	0
2474	26	N465	0	103.374	0	0	0	0
2475	26	N868	0	11.509	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2476	26	N463	0	102.632	0	0	0	0
2477	26	N436	0	249.688	0	0	0	0
2478	26	N467	0	103.137	0	0	0	0
2479	26	N450	0	52.77	0	0	0	0
2480	26	N468	0	59.11	0	0	0	0
2481	26	N471	0	96.846	0	0	0	0
2482	26	N483	0	76.625	0	0	0	0
2483	26	N472	0	398.825	0	0	0	0
2484	26	N475	0	98.77	0	0	0	0
2485	26	N864	0	11.416	0	0	0	0
2486	26	N474	0	44.454	0	0	0	0
2487	26	N476	0	53.598	0	0	0	0
2488	26	N438	0	220.759	0	0	0	0
2489	26	N477	0	97.801	0	0	0	0
2490	26	N470	2.077	42.586	-54.698	0	0	0
2491	26	N440	0	214.742	0	0	0	0
2492	26	N456	8.002	381.889	57.536	0	0	0
2493	26	N442	0	223.263	0	0	0	0
2494	26	N466	0	47.663	0	0	0	0
2495	26	N478	0	127.531	0	0	0	0
2496	26	N485	0	78.804	0	0	0	0
2497	26	N445	0	116.509	0	0	0	0
2498	26	N479	0	104.575	0	0	0	0
2499	26	N487	0	77.272	0	0	0	0
2500	26	N482	0	74.579	0	0	0	0
2501	26	N446	0	115.44	0	0	0	0
2502	26	N488	0	78.272	0	0	0	0
2503	26	N447	0	96.782	0	0	0	0
2504	26	N762	0	10.312	0	0	0	0
2505	26	N775	0	9.672	0	0	0	0
2506	26	N785	0	8.954	0	0	0	0
2507	26	N461	0	104.205	0	0	0	0
2508	26	N484	0	79.759	0	0	0	0
2509	26	N458	0	39.114	0	0	0	0
2510	26	N473	0	97.999	0	0	0	0
2511	26	N20	4.21	742.769	-330.699	0	0	0
2512	26	N385	0	11.181	0	0	0	0
2513	26	N401	0	17.34	0	0	0	0
2514	26	N21	-11.001	725.356	-320.243	0	0	0
2515	26	N325	0	15.062	0	0	0	0
2516	26	N387	0	15.382	0	0	0	0
2517	26	N308	0	14.511	0	0	0	0
2518	26	N323	0	14.954	0	0	0	0
2519	26	N309	0	9.939	0	0	0	0
2520	26	N395	0	7.802	0	0	0	0
2521	26	N374	0	16.734	0	0	0	0
2522	26	N375	0	10.675	0	0	0	0
2523	26	N390	0	10.901	0	0	0	0
2524	26	N398	0	15.854	0	0	0	0
2525	26	N22	-6.876	541.485	113.977	0	0	0
2526	26	N23	13.116	638.545	109.13	0	0	0
2527	26	N381	0	8.799	0	0	0	0
2528	26	N383	0	14.303	0	0	0	0
2529	26	N373	0	12.237	0	0	0	0
2530	26	N376	0	22.196	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2531	26	N389	0	-37.842	0	0	0	0
2532	26	N396	0	29.183	0	0	0	0
2533	26	N36	-9.895	526.255	-49.028	0	0	0
2534	26	N37	7.343	506.251	-46.327	0	0	0
2535	26	N294	0	14.245	0	0	0	0
2536	26	N307	0	10.291	0	0	0	0
2537	26	N312	0	8.874	0	0	0	0
2538	26	N39	-5.35	726.766	255.722	0	0	0
2539	26	N38	8.452	635.103	267.468	0	0	0
2540	26	N293	0	16.553	0	0	0	0
2541	26	N306	0	-31.023	0	0	0	0
2542	26	N310	0	18.268	0	0	0	0
2543	26	N322	0	14.022	0	0	0	0
2544	26	N324	0	11.552	0	0	0	0
2545	26	N326	0	14.352	0	0	0	0
2546	26	N363	0	27.473	0	0	0	0
2547	26	Totals:	0	10517.178	0			
2548	26	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
2549	27	N454	0	54.528	0	0	0	0
2550	27	N486	0	77.118	0	0	0	0
2551	27	N448	0	51.359	0	0	0	0
2552	27	N794	0	-3.67	0	0	0	0
2553	27	N867	0	3.62	0	0	0	0
2554	27	N840	0	11.528	0	0	0	0
2555	27	N842	0	-10.88	0	0	0	0
2556	27	N859	0	7.706	0	0	0	0
2557	27	N449	0	102.416	0	0	0	0
2558	27	N460	0	59.336	0	0	0	0
2559	27	N451	0	100.801	0	0	0	0
2560	27	N849	0	11.026	0	0	0	0
2561	27	N452	0	53.353	0	0	0	0
2562	27	N462	0	47.76	0	0	0	0
2563	27	N453	0	101.44	0	0	0	0
2564	27	N455	-4.76	97.565	26.963	0	0	0
2565	27	N457	0	100.896	0	0	0	0
2566	27	N854	0	13.365	0	0	0	0
2567	27	N459	0	103.152	0	0	0	0
2568	27	N464	0	56.742	0	0	0	0
2569	27	N481	0	73.85	0	0	0	0
2570	27	N480	0	37.609	0	0	0	0
2571	27	N469	-5.32	98.978	-29.8	0	0	0
2572	27	N465	0	103.374	0	0	0	0
2573	27	N868	0	11.509	0	0	0	0
2574	27	N463	0	102.632	0	0	0	0
2575	27	N436	0	249.688	0	0	0	0
2576	27	N467	0	103.137	0	0	0	0
2577	27	N450	0	52.77	0	0	0	0
2578	27	N468	0	59.11	0	0	0	0
2579	27	N471	0	96.846	0	0	0	0
2580	27	N483	0	76.625	0	0	0	0
2581	27	N472	0	398.825	0	0	0	0
2582	27	N475	0	98.77	0	0	0	0
2583	27	N864	0	11.416	0	0	0	0
2584	27	N474	0	44.454	0	0	0	0
2585	27	N476	0	53.598	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2586	27	N438	0	220.759	0	0	0	0
2587	27	N477	0	97.801	0	0	0	0
2588	27	N470	2.077	42.586	-54.698	0	0	0
2589	27	N440	0	214.742	0	0	0	0
2590	27	N456	8.002	381.889	57.536	0	0	0
2591	27	N442	0	223.263	0	0	0	0
2592	27	N466	0	47.663	0	0	0	0
2593	27	N478	0	127.531	0	0	0	0
2594	27	N485	0	78.804	0	0	0	0
2595	27	N445	0	116.509	0	0	0	0
2596	27	N479	0	104.575	0	0	0	0
2597	27	N487	0	77.272	0	0	0	0
2598	27	N482	0	74.579	0	0	0	0
2599	27	N446	0	115.44	0	0	0	0
2600	27	N488	0	78.272	0	0	0	0
2601	27	N447	0	96.782	0	0	0	0
2602	27	N762	0	10.312	0	0	0	0
2603	27	N775	0	9.672	0	0	0	0
2604	27	N785	0	8.954	0	0	0	0
2605	27	N461	0	104.205	0	0	0	0
2606	27	N484	0	79.759	0	0	0	0
2607	27	N458	0	39.114	0	0	0	0
2608	27	N473	0	97.999	0	0	0	0
2609	27	N20	4.21	742.769	-330.699	0	0	0
2610	27	N385	0	11.181	0	0	0	0
2611	27	N401	0	17.34	0	0	0	0
2612	27	N21	-11.001	725.356	-320.243	0	0	0
2613	27	N325	0	15.062	0	0	0	0
2614	27	N387	0	15.382	0	0	0	0
2615	27	N308	0	14.511	0	0	0	0
2616	27	N323	0	14.954	0	0	0	0
2617	27	N309	0	9.939	0	0	0	0
2618	27	N395	0	7.802	0	0	0	0
2619	27	N374	0	16.734	0	0	0	0
2620	27	N375	0	10.675	0	0	0	0
2621	27	N390	0	10.901	0	0	0	0
2622	27	N398	0	15.854	0	0	0	0
2623	27	N22	-6.876	541.485	113.977	0	0	0
2624	27	N23	13.116	638.545	109.13	0	0	0
2625	27	N381	0	8.799	0	0	0	0
2626	27	N383	0	14.303	0	0	0	0
2627	27	N373	0	12.237	0	0	0	0
2628	27	N376	0	22.196	0	0	0	0
2629	27	N389	0	-37.842	0	0	0	0
2630	27	N396	0	29.183	0	0	0	0
2631	27	N36	-9.895	526.255	-49.028	0	0	0
2632	27	N37	7.343	506.251	-46.327	0	0	0
2633	27	N294	0	14.245	0	0	0	0
2634	27	N307	0	10.291	0	0	0	0
2635	27	N312	0	8.874	0	0	0	0
2636	27	N39	-5.35	726.766	255.722	0	0	0
2637	27	N38	8.452	635.103	267.468	0	0	0
2638	27	N293	0	16.553	0	0	0	0
2639	27	N306	0	-31.023	0	0	0	0
2640	27	N310	0	18.268	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2641	27	N322	0	14.022	0	0	0	0
2642	27	N324	0	11.552	0	0	0	0
2643	27	N326	0	14.352	0	0	0	0
2644	27	N363	0	27.473	0	0	0	0
2645	27	Totals:	0	10517.178	0			
2646	27	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
2647	28	N454	0	54.528	0	0	0	0
2648	28	N486	0	77.118	0	0	0	0
2649	28	N448	0	51.359	0	0	0	0
2650	28	N794	0	-3.67	0	0	0	0
2651	28	N867	0	3.62	0	0	0	0
2652	28	N840	0	11.528	0	0	0	0
2653	28	N842	0	-10.88	0	0	0	0
2654	28	N859	0	7.706	0	0	0	0
2655	28	N449	0	102.416	0	0	0	0
2656	28	N460	0	59.336	0	0	0	0
2657	28	N451	0	100.801	0	0	0	0
2658	28	N849	0	11.026	0	0	0	0
2659	28	N452	0	53.353	0	0	0	0
2660	28	N462	0	47.76	0	0	0	0
2661	28	N453	0	101.44	0	0	0	0
2662	28	N455	-4.76	97.565	26.963	0	0	0
2663	28	N457	0	100.896	0	0	0	0
2664	28	N854	0	13.365	0	0	0	0
2665	28	N459	0	103.152	0	0	0	0
2666	28	N464	0	56.742	0	0	0	0
2667	28	N481	0	73.85	0	0	0	0
2668	28	N480	0	37.609	0	0	0	0
2669	28	N469	-5.32	98.978	-29.8	0	0	0
2670	28	N465	0	103.374	0	0	0	0
2671	28	N868	0	11.509	0	0	0	0
2672	28	N463	0	102.632	0	0	0	0
2673	28	N436	0	249.688	0	0	0	0
2674	28	N467	0	103.137	0	0	0	0
2675	28	N450	0	52.77	0	0	0	0
2676	28	N468	0	59.11	0	0	0	0
2677	28	N471	0	96.846	0	0	0	0
2678	28	N483	0	76.625	0	0	0	0
2679	28	N472	0	398.825	0	0	0	0
2680	28	N475	0	98.77	0	0	0	0
2681	28	N864	0	11.416	0	0	0	0
2682	28	N474	0	44.454	0	0	0	0
2683	28	N476	0	53.598	0	0	0	0
2684	28	N438	0	220.759	0	0	0	0
2685	28	N477	0	97.801	0	0	0	0
2686	28	N470	2.077	42.586	-54.698	0	0	0
2687	28	N440	0	214.742	0	0	0	0
2688	28	N456	8.002	381.889	57.536	0	0	0
2689	28	N442	0	223.263	0	0	0	0
2690	28	N466	0	47.663	0	0	0	0
2691	28	N478	0	127.531	0	0	0	0
2692	28	N485	0	78.804	0	0	0	0
2693	28	N445	0	116.509	0	0	0	0
2694	28	N479	0	104.575	0	0	0	0
2695	28	N487	0	77.272	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2696	28	N482	0	74.579	0	0	0	0
2697	28	N446	0	115.44	0	0	0	0
2698	28	N488	0	78.272	0	0	0	0
2699	28	N447	0	96.782	0	0	0	0
2700	28	N762	0	10.312	0	0	0	0
2701	28	N775	0	9.672	0	0	0	0
2702	28	N785	0	8.954	0	0	0	0
2703	28	N461	0	104.205	0	0	0	0
2704	28	N484	0	79.759	0	0	0	0
2705	28	N458	0	39.114	0	0	0	0
2706	28	N473	0	97.999	0	0	0	0
2707	28	N20	4.21	742.769	-330.699	0	0	0
2708	28	N385	0	11.181	0	0	0	0
2709	28	N401	0	17.34	0	0	0	0
2710	28	N21	-11.001	725.356	-320.243	0	0	0
2711	28	N325	0	15.062	0	0	0	0
2712	28	N387	0	15.382	0	0	0	0
2713	28	N308	0	14.511	0	0	0	0
2714	28	N323	0	14.954	0	0	0	0
2715	28	N309	0	9.939	0	0	0	0
2716	28	N395	0	7.802	0	0	0	0
2717	28	N374	0	16.734	0	0	0	0
2718	28	N375	0	10.675	0	0	0	0
2719	28	N390	0	10.901	0	0	0	0
2720	28	N398	0	15.854	0	0	0	0
2721	28	N22	-6.876	541.485	113.977	0	0	0
2722	28	N23	13.116	638.545	109.13	0	0	0
2723	28	N381	0	8.799	0	0	0	0
2724	28	N383	0	14.303	0	0	0	0
2725	28	N373	0	12.237	0	0	0	0
2726	28	N376	0	22.196	0	0	0	0
2727	28	N389	0	-37.842	0	0	0	0
2728	28	N396	0	29.183	0	0	0	0
2729	28	N36	-9.895	526.255	-49.028	0	0	0
2730	28	N37	7.343	506.251	-46.327	0	0	0
2731	28	N294	0	14.245	0	0	0	0
2732	28	N307	0	10.291	0	0	0	0
2733	28	N312	0	8.874	0	0	0	0
2734	28	N39	-5.35	726.766	255.722	0	0	0
2735	28	N38	8.452	635.103	267.468	0	0	0
2736	28	N293	0	16.553	0	0	0	0
2737	28	N306	0	-31.023	0	0	0	0
2738	28	N310	0	18.268	0	0	0	0
2739	28	N322	0	14.022	0	0	0	0
2740	28	N324	0	11.552	0	0	0	0
2741	28	N326	0	14.352	0	0	0	0
2742	28	N363	0	27.473	0	0	0	0
2743	28	Totals:	0	10517.178	0			
2744	28	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
2745	29	N454	0	54.528	0	0	0	0
2746	29	N486	0	77.118	0	0	0	0
2747	29	N448	0	51.359	0	0	0	0
2748	29	N794	0	-3.67	0	0	0	0
2749	29	N867	0	3.62	0	0	0	0
2750	29	N840	0	11.528	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2751	29	N842	0	-10.88	0	0	0	0
2752	29	N859	0	7.706	0	0	0	0
2753	29	N449	0	102.416	0	0	0	0
2754	29	N460	0	59.336	0	0	0	0
2755	29	N451	0	100.801	0	0	0	0
2756	29	N849	0	11.026	0	0	0	0
2757	29	N452	0	53.353	0	0	0	0
2758	29	N462	0	47.76	0	0	0	0
2759	29	N453	0	101.44	0	0	0	0
2760	29	N455	-4.76	97.565	26.963	0	0	0
2761	29	N457	0	100.896	0	0	0	0
2762	29	N854	0	13.365	0	0	0	0
2763	29	N459	0	103.152	0	0	0	0
2764	29	N464	0	56.742	0	0	0	0
2765	29	N481	0	73.85	0	0	0	0
2766	29	N480	0	37.609	0	0	0	0
2767	29	N469	-5.32	98.978	-29.8	0	0	0
2768	29	N465	0	103.374	0	0	0	0
2769	29	N868	0	11.509	0	0	0	0
2770	29	N463	0	102.632	0	0	0	0
2771	29	N436	0	249.688	0	0	0	0
2772	29	N467	0	103.137	0	0	0	0
2773	29	N450	0	52.77	0	0	0	0
2774	29	N468	0	59.11	0	0	0	0
2775	29	N471	0	96.846	0	0	0	0
2776	29	N483	0	76.625	0	0	0	0
2777	29	N472	0	398.825	0	0	0	0
2778	29	N475	0	98.77	0	0	0	0
2779	29	N864	0	11.416	0	0	0	0
2780	29	N474	0	44.454	0	0	0	0
2781	29	N476	0	53.598	0	0	0	0
2782	29	N438	0	220.759	0	0	0	0
2783	29	N477	0	97.801	0	0	0	0
2784	29	N470	2.077	42.586	-54.698	0	0	0
2785	29	N440	0	214.742	0	0	0	0
2786	29	N456	8.002	381.889	57.536	0	0	0
2787	29	N442	0	223.263	0	0	0	0
2788	29	N466	0	47.663	0	0	0	0
2789	29	N478	0	127.531	0	0	0	0
2790	29	N485	0	78.804	0	0	0	0
2791	29	N445	0	116.509	0	0	0	0
2792	29	N479	0	104.575	0	0	0	0
2793	29	N487	0	77.272	0	0	0	0
2794	29	N482	0	74.579	0	0	0	0
2795	29	N446	0	115.44	0	0	0	0
2796	29	N488	0	78.272	0	0	0	0
2797	29	N447	0	96.782	0	0	0	0
2798	29	N762	0	10.312	0	0	0	0
2799	29	N775	0	9.672	0	0	0	0
2800	29	N785	0	8.954	0	0	0	0
2801	29	N461	0	104.205	0	0	0	0
2802	29	N484	0	79.759	0	0	0	0
2803	29	N458	0	39.114	0	0	0	0
2804	29	N473	0	97.999	0	0	0	0
2805	29	N20	4.21	742.769	-330.699	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2806	29	N385	0	11.181	0	0	0	0
2807	29	N401	0	17.34	0	0	0	0
2808	29	N21	-11.001	725.356	-320.243	0	0	0
2809	29	N325	0	15.062	0	0	0	0
2810	29	N387	0	15.382	0	0	0	0
2811	29	N308	0	14.511	0	0	0	0
2812	29	N323	0	14.954	0	0	0	0
2813	29	N309	0	9.939	0	0	0	0
2814	29	N395	0	7.802	0	0	0	0
2815	29	N374	0	16.734	0	0	0	0
2816	29	N375	0	10.675	0	0	0	0
2817	29	N390	0	10.901	0	0	0	0
2818	29	N398	0	15.854	0	0	0	0
2819	29	N22	-6.876	541.485	113.977	0	0	0
2820	29	N23	13.116	638.545	109.13	0	0	0
2821	29	N381	0	8.799	0	0	0	0
2822	29	N383	0	14.303	0	0	0	0
2823	29	N373	0	12.237	0	0	0	0
2824	29	N376	0	22.196	0	0	0	0
2825	29	N389	0	-37.842	0	0	0	0
2826	29	N396	0	29.183	0	0	0	0
2827	29	N36	-9.895	526.255	-49.028	0	0	0
2828	29	N37	7.343	506.251	-46.327	0	0	0
2829	29	N294	0	14.245	0	0	0	0
2830	29	N307	0	10.291	0	0	0	0
2831	29	N312	0	8.874	0	0	0	0
2832	29	N39	-5.35	726.766	255.722	0	0	0
2833	29	N38	8.452	635.103	267.468	0	0	0
2834	29	N293	0	16.553	0	0	0	0
2835	29	N306	0	-31.023	0	0	0	0
2836	29	N310	0	18.268	0	0	0	0
2837	29	N322	0	14.022	0	0	0	0
2838	29	N324	0	11.552	0	0	0	0
2839	29	N326	0	14.352	0	0	0	0
2840	29	N363	0	27.473	0	0	0	0
2841	29	Totals:	0	10517.178	0			
2842	29	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
2843	30	N454	0	90.88	0	0	0	0
2844	30	N486	0	128.53	0	0	0	0
2845	30	N448	0	85.598	0	0	0	0
2846	30	N794	0	-6.117	0	0	0	0
2847	30	N867	0	6.033	0	0	0	0
2848	30	N840	0	19.212	0	0	0	0
2849	30	N842	0	-18.134	0	0	0	0
2850	30	N859	0	12.844	0	0	0	0
2851	30	N449	0	170.693	0	0	0	0
2852	30	N460	0	98.893	0	0	0	0
2853	30	N451	0	168.002	0	0	0	0
2854	30	N849	0	18.376	0	0	0	0
2855	30	N452	0	88.921	0	0	0	0
2856	30	N462	0	79.6	0	0	0	0
2857	30	N453	0	169.066	0	0	0	0
2858	30	N455	-7.932	162.607	44.939	0	0	0
2859	30	N457	0	168.16	0	0	0	0
2860	30	N854	0	22.275	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2861	30	N459	0	171.921	0	0	0	0
2862	30	N464	0	94.57	0	0	0	0
2863	30	N481	0	123.083	0	0	0	0
2864	30	N480	0	62.68	0	0	0	0
2865	30	N469	-8.865	164.964	-49.667	0	0	0
2866	30	N465	0	172.291	0	0	0	0
2867	30	N868	0	19.182	0	0	0	0
2868	30	N463	0	171.054	0	0	0	0
2869	30	N436	0	416.149	0	0	0	0
2870	30	N467	0	171.895	0	0	0	0
2871	30	N450	0	87.95	0	0	0	0
2872	30	N468	0	98.517	0	0	0	0
2873	30	N471	0	161.41	0	0	0	0
2874	30	N483	0	127.708	0	0	0	0
2875	30	N472	0	664.707	0	0	0	0
2876	30	N475	0	164.616	0	0	0	0
2877	30	N864	0	19.026	0	0	0	0
2878	30	N474	0	74.091	0	0	0	0
2879	30	N476	0	89.33	0	0	0	0
2880	30	N438	0	367.933	0	0	0	0
2881	30	N477	0	163.001	0	0	0	0
2882	30	N470	3.462	70.977	-91.163	0	0	0
2883	30	N440	0	357.902	0	0	0	0
2884	30	N456	13.335	636.483	95.891	0	0	0
2885	30	N442	0	372.105	0	0	0	0
2886	30	N466	0	79.437	0	0	0	0
2887	30	N478	0	212.551	0	0	0	0
2888	30	N485	0	131.34	0	0	0	0
2889	30	N445	0	194.181	0	0	0	0
2890	30	N479	0	174.292	0	0	0	0
2891	30	N487	0	128.786	0	0	0	0
2892	30	N482	0	124.299	0	0	0	0
2893	30	N446	0	192.4	0	0	0	0
2894	30	N488	0	130.453	0	0	0	0
2895	30	N447	0	161.303	0	0	0	0
2896	30	N762	0	17.186	0	0	0	0
2897	30	N775	0	16.119	0	0	0	0
2898	30	N785	0	14.923	0	0	0	0
2899	30	N461	0	173.676	0	0	0	0
2900	30	N484	0	132.932	0	0	0	0
2901	30	N458	0	65.189	0	0	0	0
2902	30	N473	0	163.331	0	0	0	0
2903	30	N20	7.018	1237.949	-551.167	0	0	0
2904	30	N385	0	18.635	0	0	0	0
2905	30	N401	0	28.907	0	0	0	0
2906	30	N21	-18.338	1208.927	-533.739	0	0	0
2907	30	N325	0	25.103	0	0	0	0
2908	30	N387	0	25.637	0	0	0	0
2909	30	N308	0	24.187	0	0	0	0
2910	30	N323	0	24.922	0	0	0	0
2911	30	N309	0	16.552	0	0	0	0
2912	30	N395	0	12.99	0	0	0	0
2913	30	N374	0	27.889	0	0	0	0
2914	30	N375	0	17.794	0	0	0	0
2915	30	N390	0	18.161	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2916	30	N398	0	26.419	0	0	0	0
2917	30	N22	-11.459	902.476	189.962	0	0	0
2918	30	N23	21.862	1064.343	181.884	0	0	0
2919	30	N381	0	14.665	0	0	0	0
2920	30	N383	0	23.839	0	0	0	0
2921	30	N373	0	20.393	0	0	0	0
2922	30	N376	0	36.997	0	0	0	0
2923	30	N389	0	-63.205	0	0	0	0
2924	30	N396	0	48.682	0	0	0	0
2925	30	N36	-16.492	877.094	-81.713	0	0	0
2926	30	N37	12.243	843.754	-77.211	0	0	0
2927	30	N294	0	23.738	0	0	0	0
2928	30	N307	0	17.146	0	0	0	0
2929	30	N312	0	14.789	0	0	0	0
2930	30	N39	-8.92	1211.36	426.201	0	0	0
2931	30	N38	14.087	1058.505	445.783	0	0	0
2932	30	N293	0	27.595	0	0	0	0
2933	30	N306	0	-51.819	0	0	0	0
2934	30	N310	0	30.451	0	0	0	0
2935	30	N322	0	23.368	0	0	0	0
2936	30	N324	0	19.253	0	0	0	0
2937	30	N326	0	23.92	0	0	0	0
2938	30	N363	0	45.825	0	0	0	0
2939	30	Totals:	0	17528.63	0			
2940	30	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
2941	31	N454	0	90.88	0	0	0	0
2942	31	N486	0	128.53	0	0	0	0
2943	31	N448	0	85.598	0	0	0	0
2944	31	N794	0	-6.117	0	0	0	0
2945	31	N867	0	6.033	0	0	0	0
2946	31	N840	0	19.212	0	0	0	0
2947	31	N842	0	-18.134	0	0	0	0
2948	31	N859	0	12.844	0	0	0	0
2949	31	N449	0	170.693	0	0	0	0
2950	31	N460	0	98.893	0	0	0	0
2951	31	N451	0	168.002	0	0	0	0
2952	31	N849	0	18.376	0	0	0	0
2953	31	N452	0	88.921	0	0	0	0
2954	31	N462	0	79.6	0	0	0	0
2955	31	N453	0	169.066	0	0	0	0
2956	31	N455	-7.932	162.607	44.939	0	0	0
2957	31	N457	0	168.16	0	0	0	0
2958	31	N854	0	22.275	0	0	0	0
2959	31	N459	0	171.921	0	0	0	0
2960	31	N464	0	94.57	0	0	0	0
2961	31	N481	0	123.083	0	0	0	0
2962	31	N480	0	62.68	0	0	0	0
2963	31	N469	-8.865	164.964	-49.667	0	0	0
2964	31	N465	0	172.291	0	0	0	0
2965	31	N868	0	19.182	0	0	0	0
2966	31	N463	0	171.054	0	0	0	0
2967	31	N436	0	416.149	0	0	0	0
2968	31	N467	0	171.895	0	0	0	0
2969	31	N450	0	87.95	0	0	0	0
2970	31	N468	0	98.517	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
2971	31	N471	0	161.41	0	0	0	0
2972	31	N483	0	127.708	0	0	0	0
2973	31	N472	0	664.707	0	0	0	0
2974	31	N475	0	164.616	0	0	0	0
2975	31	N864	0	19.026	0	0	0	0
2976	31	N474	0	74.091	0	0	0	0
2977	31	N476	0	89.33	0	0	0	0
2978	31	N438	0	367.933	0	0	0	0
2979	31	N477	0	163.001	0	0	0	0
2980	31	N470	3.462	70.977	-91.163	0	0	0
2981	31	N440	0	357.902	0	0	0	0
2982	31	N456	13.335	636.483	95.891	0	0	0
2983	31	N442	0	372.105	0	0	0	0
2984	31	N466	0	79.437	0	0	0	0
2985	31	N478	0	212.551	0	0	0	0
2986	31	N485	0	131.34	0	0	0	0
2987	31	N445	0	194.181	0	0	0	0
2988	31	N479	0	174.292	0	0	0	0
2989	31	N487	0	128.786	0	0	0	0
2990	31	N482	0	124.299	0	0	0	0
2991	31	N446	0	192.4	0	0	0	0
2992	31	N488	0	130.453	0	0	0	0
2993	31	N447	0	161.303	0	0	0	0
2994	31	N762	0	17.186	0	0	0	0
2995	31	N775	0	16.119	0	0	0	0
2996	31	N785	0	14.923	0	0	0	0
2997	31	N461	0	173.676	0	0	0	0
2998	31	N484	0	132.932	0	0	0	0
2999	31	N458	0	65.189	0	0	0	0
3000	31	N473	0	163.331	0	0	0	0
3001	31	N20	7.018	1237.949	-551.167	0	0	0
3002	31	N385	0	18.635	0	0	0	0
3003	31	N401	0	28.907	0	0	0	0
3004	31	N21	-18.338	1208.927	-533.739	0	0	0
3005	31	N325	0	25.103	0	0	0	0
3006	31	N387	0	25.637	0	0	0	0
3007	31	N308	0	24.187	0	0	0	0
3008	31	N323	0	24.922	0	0	0	0
3009	31	N309	0	16.552	0	0	0	0
3010	31	N395	0	12.99	0	0	0	0
3011	31	N374	0	27.889	0	0	0	0
3012	31	N375	0	17.794	0	0	0	0
3013	31	N390	0	18.161	0	0	0	0
3014	31	N398	0	26.419	0	0	0	0
3015	31	N22	-11.459	902.476	189.962	0	0	0
3016	31	N23	21.862	1064.343	181.884	0	0	0
3017	31	N381	0	14.665	0	0	0	0
3018	31	N383	0	23.839	0	0	0	0
3019	31	N373	0	20.393	0	0	0	0
3020	31	N376	0	36.997	0	0	0	0
3021	31	N389	0	-63.205	0	0	0	0
3022	31	N396	0	48.682	0	0	0	0
3023	31	N36	-16.492	877.094	-81.713	0	0	0
3024	31	N37	12.243	843.754	-77.211	0	0	0
3025	31	N294	0	23.738	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
3026	31	N307	0	17.146	0	0	0	0
3027	31	N312	0	14.789	0	0	0	0
3028	31	N39	-8.92	1211.36	426.201	0	0	0
3029	31	N38	14.087	1058.505	445.783	0	0	0
3030	31	N293	0	27.595	0	0	0	0
3031	31	N306	0	-51.819	0	0	0	0
3032	31	N310	0	30.451	0	0	0	0
3033	31	N322	0	23.368	0	0	0	0
3034	31	N324	0	19.253	0	0	0	0
3035	31	N326	0	23.92	0	0	0	0
3036	31	N363	0	45.825	0	0	0	0
3037	31	Totals:	0	17528.63	0			
3038	31	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
3039	32	N454	0	1025.586	0	0	0	0
3040	32	N486	0	313.443	0	0	0	0
3041	32	N448	0	1065.563	0	0	0	0
3042	32	N794	0	69.681	0	0	0	0
3043	32	N867	0	83.652	0	0	0	0
3044	32	N840	0	241.149	0	0	0	0
3045	32	N842	0	89.417	0	0	0	0
3046	32	N859	0	139.631	0	0	0	0
3047	32	N449	0	1142.614	0	0	0	0
3048	32	N460	0	1049.921	0	0	0	0
3049	32	N451	0	1135.411	0	0	0	0
3050	32	N849	0	179.926	0	0	0	0
3051	32	N452	0	1024.362	0	0	0	0
3052	32	N462	0	1008.35	0	0	0	0
3053	32	N453	0	1149.105	0	0	0	0
3054	32	N455	-13.469	1121.495	75.543	0	0	0
3055	32	N457	0	1146.593	0	0	0	0
3056	32	N854	0	262.931	0	0	0	0
3057	32	N459	0	1150.058	0	0	0	0
3058	32	N464	0	1039.691	0	0	0	0
3059	32	N481	0	280.364	0	0	0	0
3060	32	N480	0	988.002	0	0	0	0
3061	32	N469	-15.565	1138.274	-84.562	0	0	0
3062	32	N465	0	1158.194	0	0	0	0
3063	32	N868	0	182.619	0	0	0	0
3064	32	N463	0	1148.48	0	0	0	0
3065	32	N436	0	554.958	0	0	0	0
3066	32	N467	0	1151.467	0	0	0	0
3067	32	N450	0	1022.016	0	0	0	0
3068	32	N468	0	1049.278	0	0	0	0
3069	32	N471	0	1122.463	0	0	0	0
3070	32	N483	0	333.515	0	0	0	0
3071	32	N472	0	2036.183	0	0	0	0
3072	32	N475	0	1115.911	0	0	0	0
3073	32	N864	0	221.573	0	0	0	0
3074	32	N474	0	1002.215	0	0	0	0
3075	32	N476	0	1003.523	0	0	0	0
3076	32	N438	0	433.512	0	0	0	0
3077	32	N477	0	1169.03	0	0	0	0
3078	32	N470	5.26	986.64	-179.142	0	0	0
3079	32	N440	0	548.715	0	0	0	0
3080	32	N456	23.775	1976.731	188.161	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
3081	32	N442	0	564.454	0	0	0	0
3082	32	N466	0	1008.13	0	0	0	0
3083	32	N478	0	1258.64	0	0	0	0
3084	32	N485	0	304.747	0	0	0	0
3085	32	N445	0	1268.557	0	0	0	0
3086	32	N479	0	1145.846	0	0	0	0
3087	32	N487	0	310.231	0	0	0	0
3088	32	N482	0	311.126	0	0	0	0
3089	32	N446	0	1292.002	0	0	0	0
3090	32	N488	0	285.543	0	0	0	0
3091	32	N447	0	1175.253	0	0	0	0
3092	32	N762	0	199.085	0	0	0	0
3093	32	N775	0	182.605	0	0	0	0
3094	32	N785	0	159.828	0	0	0	0
3095	32	N461	0	1161.347	0	0	0	0
3096	32	N484	0	336.096	0	0	0	0
3097	32	N458	0	977.088	0	0	0	0
3098	32	N473	0	1138.563	0	0	0	0
3099	32	N20	55.461	5692.099	-2406.654	0	0	0
3100	32	N385	0	286.2	0	0	0	0
3101	32	N401	0	293.895	0	0	0	0
3102	32	N21	-67.845	5503.831	-2357.843	0	0	0
3103	32	N325	0	278.283	0	0	0	0
3104	32	N387	0	291.473	0	0	0	0
3105	32	N308	0	303.099	0	0	0	0
3106	32	N323	0	354.869	0	0	0	0
3107	32	N309	0	323.223	0	0	0	0
3108	32	N395	0	289.262	0	0	0	0
3109	32	N374	0	390.877	0	0	0	0
3110	32	N375	0	220.581	0	0	0	0
3111	32	N390	0	291.347	0	0	0	0
3112	32	N398	0	391.082	0	0	0	0
3113	32	N22	-8.262	4288.912	1104.153	0	0	0
3114	32	N23	16.706	4602.81	1056.986	0	0	0
3115	32	N381	0	269.205	0	0	0	0
3116	32	N383	0	261.308	0	0	0	0
3117	32	N373	0	294.49	0	0	0	0
3118	32	N376	0	452.692	0	0	0	0
3119	32	N389	0	215.003	0	0	0	0
3120	32	N396	0	276.969	0	0	0	0
3121	32	N36	-32.19	4147.037	-572.515	0	0	0
3122	32	N37	33.435	3971.924	-537.579	0	0	0
3123	32	N294	0	355.975	0	0	0	0
3124	32	N307	0	286.495	0	0	0	0
3125	32	N312	0	275.536	0	0	0	0
3126	32	N39	-82.028	5007.081	1833.1	0	0	0
3127	32	N38	84.723	4753.886	1880.352	0	0	0
3128	32	N293	0	280.58	0	0	0	0
3129	32	N306	0	246.185	0	0	0	0
3130	32	N310	0	374.344	0	0	0	0
3131	32	N322	0	327.393	0	0	0	0
3132	32	N324	0	280.527	0	0	0	0
3133	32	N326	0	272.275	0	0	0	0
3134	32	N363	0	276.497	0	0	0	0
3135	32	Totals:	0	94568.63	0			

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
3136	32	COG (ft):	X: 14.18	Y: 0.912	Z: 10.006			
3137	33	N454	0	1025.586	0	0	0	0
3138	33	N486	0	313.443	0	0	0	0
3139	33	N448	0	1065.563	0	0	0	0
3140	33	N794	0	69.681	0	0	0	0
3141	33	N867	0	83.652	0	0	0	0
3142	33	N840	0	241.149	0	0	0	0
3143	33	N842	0	89.417	0	0	0	0
3144	33	N859	0	139.631	0	0	0	0
3145	33	N449	0	1142.614	0	0	0	0
3146	33	N460	0	1049.921	0	0	0	0
3147	33	N451	0	1135.411	0	0	0	0
3148	33	N849	0	179.926	0	0	0	0
3149	33	N452	0	1024.362	0	0	0	0
3150	33	N462	0	1008.35	0	0	0	0
3151	33	N453	0	1149.105	0	0	0	0
3152	33	N455	-13.469	1121.495	75.543	0	0	0
3153	33	N457	0	1146.593	0	0	0	0
3154	33	N854	0	262.931	0	0	0	0
3155	33	N459	0	1150.058	0	0	0	0
3156	33	N464	0	1039.691	0	0	0	0
3157	33	N481	0	280.364	0	0	0	0
3158	33	N480	0	988.002	0	0	0	0
3159	33	N469	-15.565	1138.274	-84.562	0	0	0
3160	33	N465	0	1158.194	0	0	0	0
3161	33	N868	0	182.619	0	0	0	0
3162	33	N463	0	1148.48	0	0	0	0
3163	33	N436	0	554.958	0	0	0	0
3164	33	N467	0	1151.467	0	0	0	0
3165	33	N450	0	1022.016	0	0	0	0
3166	33	N468	0	1049.278	0	0	0	0
3167	33	N471	0	1122.463	0	0	0	0
3168	33	N483	0	333.515	0	0	0	0
3169	33	N472	0	2036.183	0	0	0	0
3170	33	N475	0	1115.911	0	0	0	0
3171	33	N864	0	221.573	0	0	0	0
3172	33	N474	0	1002.215	0	0	0	0
3173	33	N476	0	1003.523	0	0	0	0
3174	33	N438	0	433.512	0	0	0	0
3175	33	N477	0	1169.03	0	0	0	0
3176	33	N470	5.26	986.64	-179.142	0	0	0
3177	33	N440	0	548.715	0	0	0	0
3178	33	N456	23.775	1976.731	188.161	0	0	0
3179	33	N442	0	564.454	0	0	0	0
3180	33	N466	0	1008.13	0	0	0	0
3181	33	N478	0	1258.64	0	0	0	0
3182	33	N485	0	304.747	0	0	0	0
3183	33	N445	0	1268.557	0	0	0	0
3184	33	N479	0	1145.846	0	0	0	0
3185	33	N487	0	310.231	0	0	0	0
3186	33	N482	0	311.126	0	0	0	0
3187	33	N446	0	1292.002	0	0	0	0
3188	33	N488	0	285.543	0	0	0	0
3189	33	N447	0	1175.253	0	0	0	0
3190	33	N762	0	199.085	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
3191	33	N775	0	182.605	0	0	0	0
3192	33	N785	0	159.828	0	0	0	0
3193	33	N461	0	1161.347	0	0	0	0
3194	33	N484	0	336.096	0	0	0	0
3195	33	N458	0	977.088	0	0	0	0
3196	33	N473	0	1138.563	0	0	0	0
3197	33	N20	55.461	5692.099	-2406.654	0	0	0
3198	33	N385	0	286.2	0	0	0	0
3199	33	N401	0	293.895	0	0	0	0
3200	33	N21	-67.845	5503.831	-2357.843	0	0	0
3201	33	N325	0	278.283	0	0	0	0
3202	33	N387	0	291.473	0	0	0	0
3203	33	N308	0	303.099	0	0	0	0
3204	33	N323	0	354.869	0	0	0	0
3205	33	N309	0	323.223	0	0	0	0
3206	33	N395	0	289.262	0	0	0	0
3207	33	N374	0	390.877	0	0	0	0
3208	33	N375	0	220.581	0	0	0	0
3209	33	N390	0	291.347	0	0	0	0
3210	33	N398	0	391.082	0	0	0	0
3211	33	N22	-8.262	4288.912	1104.153	0	0	0
3212	33	N23	16.706	4602.81	1056.986	0	0	0
3213	33	N381	0	269.205	0	0	0	0
3214	33	N383	0	261.308	0	0	0	0
3215	33	N373	0	294.49	0	0	0	0
3216	33	N376	0	452.692	0	0	0	0
3217	33	N389	0	215.003	0	0	0	0
3218	33	N396	0	276.969	0	0	0	0
3219	33	N36	-32.19	4147.037	-572.515	0	0	0
3220	33	N37	33.435	3971.924	-537.579	0	0	0
3221	33	N294	0	355.975	0	0	0	0
3222	33	N307	0	286.495	0	0	0	0
3223	33	N312	0	275.536	0	0	0	0
3224	33	N39	-82.028	5007.081	1833.1	0	0	0
3225	33	N38	84.723	4753.886	1880.352	0	0	0
3226	33	N293	0	280.58	0	0	0	0
3227	33	N306	0	246.185	0	0	0	0
3228	33	N310	0	374.344	0	0	0	0
3229	33	N322	0	327.393	0	0	0	0
3230	33	N324	0	280.527	0	0	0	0
3231	33	N326	0	272.275	0	0	0	0
3232	33	N363	0	276.497	0	0	0	0
3233	33	Totals:	0	94568.63	0			
3234	33	COG (ft):	X: 14.18	Y: 0.912	Z: 10.006			
3235	34	N454	0	54.528	0	0	0	0
3236	34	N486	0	77.118	0	0	0	0
3237	34	N448	0	51.359	0	0	0	0
3238	34	N794	0	-3.67	0	0	0	0
3239	34	N867	0	3.62	0	0	0	0
3240	34	N840	0	11.528	0	0	0	0
3241	34	N842	0	-10.88	0	0	0	0
3242	34	N859	0	7.706	0	0	0	0
3243	34	N449	0	102.416	0	0	0	0
3244	34	N460	0	59.336	0	0	0	0
3245	34	N451	0	100.801	0	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
3246	34	N849	0	11.026	0	0	0	0
3247	34	N452	0	53.353	0	0	0	0
3248	34	N462	0	47.76	0	0	0	0
3249	34	N453	0	101.44	0	0	0	0
3250	34	N455	-4.76	97.565	26.963	0	0	0
3251	34	N457	0	100.896	0	0	0	0
3252	34	N854	0	13.365	0	0	0	0
3253	34	N459	0	103.152	0	0	0	0
3254	34	N464	0	56.742	0	0	0	0
3255	34	N481	0	73.85	0	0	0	0
3256	34	N480	0	37.609	0	0	0	0
3257	34	N469	-5.32	98.978	-29.8	0	0	0
3258	34	N465	0	103.374	0	0	0	0
3259	34	N868	0	11.509	0	0	0	0
3260	34	N463	0	102.632	0	0	0	0
3261	34	N436	0	249.688	0	0	0	0
3262	34	N467	0	103.137	0	0	0	0
3263	34	N450	0	52.77	0	0	0	0
3264	34	N468	0	59.11	0	0	0	0
3265	34	N471	0	96.846	0	0	0	0
3266	34	N483	0	76.625	0	0	0	0
3267	34	N472	0	398.825	0	0	0	0
3268	34	N475	0	98.77	0	0	0	0
3269	34	N864	0	11.416	0	0	0	0
3270	34	N474	0	44.454	0	0	0	0
3271	34	N476	0	53.598	0	0	0	0
3272	34	N438	0	220.759	0	0	0	0
3273	34	N477	0	97.801	0	0	0	0
3274	34	N470	2.077	42.586	-54.698	0	0	0
3275	34	N440	0	214.742	0	0	0	0
3276	34	N456	8.002	381.889	57.536	0	0	0
3277	34	N442	0	223.263	0	0	0	0
3278	34	N466	0	47.663	0	0	0	0
3279	34	N478	0	127.531	0	0	0	0
3280	34	N485	0	78.804	0	0	0	0
3281	34	N445	0	116.509	0	0	0	0
3282	34	N479	0	104.575	0	0	0	0
3283	34	N487	0	77.272	0	0	0	0
3284	34	N482	0	74.579	0	0	0	0
3285	34	N446	0	115.44	0	0	0	0
3286	34	N488	0	78.272	0	0	0	0
3287	34	N447	0	96.782	0	0	0	0
3288	34	N762	0	10.312	0	0	0	0
3289	34	N775	0	9.672	0	0	0	0
3290	34	N785	0	8.954	0	0	0	0
3291	34	N461	0	104.205	0	0	0	0
3292	34	N484	0	79.759	0	0	0	0
3293	34	N458	0	39.114	0	0	0	0
3294	34	N473	0	97.999	0	0	0	0
3295	34	N20	4.21	742.769	-330.699	0	0	0
3296	34	N385	0	11.181	0	0	0	0
3297	34	N401	0	17.34	0	0	0	0
3298	34	N21	-11.001	725.356	-320.243	0	0	0
3299	34	N325	0	15.062	0	0	0	0
3300	34	N387	0	15.382	0	0	0	0

Node Reactions (Continued)

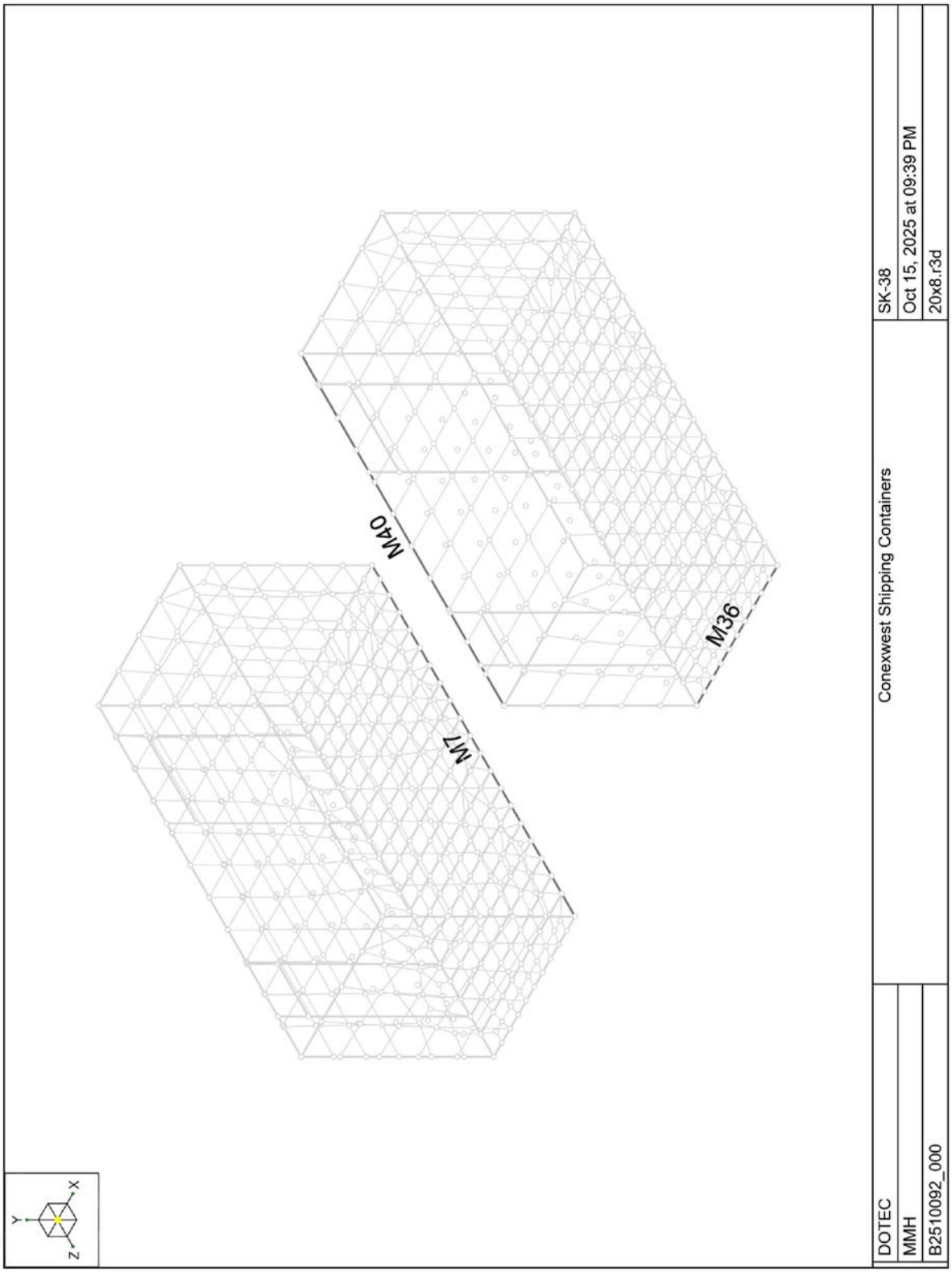
	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
3301	34	N308	0	14.511	0	0	0	0
3302	34	N323	0	14.954	0	0	0	0
3303	34	N309	0	9.939	0	0	0	0
3304	34	N395	0	7.802	0	0	0	0
3305	34	N374	0	16.734	0	0	0	0
3306	34	N375	0	10.675	0	0	0	0
3307	34	N390	0	10.901	0	0	0	0
3308	34	N398	0	15.854	0	0	0	0
3309	34	N22	-6.876	541.485	113.977	0	0	0
3310	34	N23	13.116	638.545	109.13	0	0	0
3311	34	N381	0	8.799	0	0	0	0
3312	34	N383	0	14.303	0	0	0	0
3313	34	N373	0	12.237	0	0	0	0
3314	34	N376	0	22.196	0	0	0	0
3315	34	N389	0	-37.842	0	0	0	0
3316	34	N396	0	29.183	0	0	0	0
3317	34	N36	-9.895	526.255	-49.028	0	0	0
3318	34	N37	7.343	506.251	-46.327	0	0	0
3319	34	N294	0	14.245	0	0	0	0
3320	34	N307	0	10.291	0	0	0	0
3321	34	N312	0	8.874	0	0	0	0
3322	34	N39	-5.35	726.766	255.722	0	0	0
3323	34	N38	8.452	635.103	267.468	0	0	0
3324	34	N293	0	16.553	0	0	0	0
3325	34	N306	0	-31.023	0	0	0	0
3326	34	N310	0	18.268	0	0	0	0
3327	34	N322	0	14.022	0	0	0	0
3328	34	N324	0	11.552	0	0	0	0
3329	34	N326	0	14.352	0	0	0	0
3330	34	N363	0	27.473	0	0	0	0
3331	34	Totals:	0	10517.178	0			
3332	34	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			
3333	35	N454	0	54.528	0	0	0	0
3334	35	N486	0	77.118	0	0	0	0
3335	35	N448	0	51.359	0	0	0	0
3336	35	N794	0	-3.67	0	0	0	0
3337	35	N867	0	3.62	0	0	0	0
3338	35	N840	0	11.528	0	0	0	0
3339	35	N842	0	-10.88	0	0	0	0
3340	35	N859	0	7.706	0	0	0	0
3341	35	N449	0	102.416	0	0	0	0
3342	35	N460	0	59.336	0	0	0	0
3343	35	N451	0	100.801	0	0	0	0
3344	35	N849	0	11.026	0	0	0	0
3345	35	N452	0	53.353	0	0	0	0
3346	35	N462	0	47.76	0	0	0	0
3347	35	N453	0	101.44	0	0	0	0
3348	35	N455	-4.76	97.565	26.963	0	0	0
3349	35	N457	0	100.896	0	0	0	0
3350	35	N854	0	13.365	0	0	0	0
3351	35	N459	0	103.152	0	0	0	0
3352	35	N464	0	56.742	0	0	0	0
3353	35	N481	0	73.85	0	0	0	0
3354	35	N480	0	37.609	0	0	0	0
3355	35	N469	-5.32	98.978	-29.8	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
3356	35	N465	0	103.374	0	0	0	0
3357	35	N868	0	11.509	0	0	0	0
3358	35	N463	0	102.632	0	0	0	0
3359	35	N436	0	249.688	0	0	0	0
3360	35	N467	0	103.137	0	0	0	0
3361	35	N450	0	52.77	0	0	0	0
3362	35	N468	0	59.11	0	0	0	0
3363	35	N471	0	96.846	0	0	0	0
3364	35	N483	0	76.625	0	0	0	0
3365	35	N472	0	398.825	0	0	0	0
3366	35	N475	0	98.77	0	0	0	0
3367	35	N864	0	11.416	0	0	0	0
3368	35	N474	0	44.454	0	0	0	0
3369	35	N476	0	53.598	0	0	0	0
3370	35	N438	0	220.759	0	0	0	0
3371	35	N477	0	97.801	0	0	0	0
3372	35	N470	2.077	42.586	-54.698	0	0	0
3373	35	N440	0	214.742	0	0	0	0
3374	35	N456	8.002	381.889	57.536	0	0	0
3375	35	N442	0	223.263	0	0	0	0
3376	35	N466	0	47.663	0	0	0	0
3377	35	N478	0	127.531	0	0	0	0
3378	35	N485	0	78.804	0	0	0	0
3379	35	N445	0	116.509	0	0	0	0
3380	35	N479	0	104.575	0	0	0	0
3381	35	N487	0	77.272	0	0	0	0
3382	35	N482	0	74.579	0	0	0	0
3383	35	N446	0	115.44	0	0	0	0
3384	35	N488	0	78.272	0	0	0	0
3385	35	N447	0	96.782	0	0	0	0
3386	35	N762	0	10.312	0	0	0	0
3387	35	N775	0	9.672	0	0	0	0
3388	35	N785	0	8.954	0	0	0	0
3389	35	N461	0	104.205	0	0	0	0
3390	35	N484	0	79.759	0	0	0	0
3391	35	N458	0	39.114	0	0	0	0
3392	35	N473	0	97.999	0	0	0	0
3393	35	N20	4.21	742.769	-330.699	0	0	0
3394	35	N385	0	11.181	0	0	0	0
3395	35	N401	0	17.34	0	0	0	0
3396	35	N21	-11.001	725.356	-320.243	0	0	0
3397	35	N325	0	15.062	0	0	0	0
3398	35	N387	0	15.382	0	0	0	0
3399	35	N308	0	14.511	0	0	0	0
3400	35	N323	0	14.954	0	0	0	0
3401	35	N309	0	9.939	0	0	0	0
3402	35	N395	0	7.802	0	0	0	0
3403	35	N374	0	16.734	0	0	0	0
3404	35	N375	0	10.675	0	0	0	0
3405	35	N390	0	10.901	0	0	0	0
3406	35	N398	0	15.854	0	0	0	0
3407	35	N22	-6.876	541.485	113.977	0	0	0
3408	35	N23	13.116	638.545	109.13	0	0	0
3409	35	N381	0	8.799	0	0	0	0
3410	35	N383	0	14.303	0	0	0	0

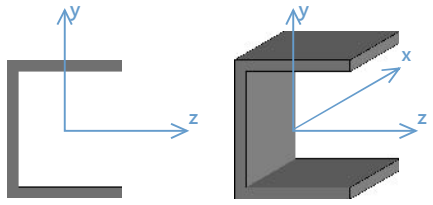
Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [lb-ft]	MY [lb-ft]	MZ [lb-ft]
3411	35	N373	0	12.237	0	0	0	0
3412	35	N376	0	22.196	0	0	0	0
3413	35	N389	0	-37.842	0	0	0	0
3414	35	N396	0	29.183	0	0	0	0
3415	35	N36	-9.895	526.255	-49.028	0	0	0
3416	35	N37	7.343	506.251	-46.327	0	0	0
3417	35	N294	0	14.245	0	0	0	0
3418	35	N307	0	10.291	0	0	0	0
3419	35	N312	0	8.874	0	0	0	0
3420	35	N39	-5.35	726.766	255.722	0	0	0
3421	35	N38	8.452	635.103	267.468	0	0	0
3422	35	N293	0	16.553	0	0	0	0
3423	35	N306	0	-31.023	0	0	0	0
3424	35	N310	0	18.268	0	0	0	0
3425	35	N322	0	14.022	0	0	0	0
3426	35	N324	0	11.552	0	0	0	0
3427	35	N326	0	14.352	0	0	0	0
3428	35	N363	0	27.473	0	0	0	0
3429	35	Totals:	0	10517.178	0			
3430	35	COG (ft):	X: 13.814	Y: 3.814	Z: 10.036			


M40
M36
M7
X
Y
Z
Conexwest Shipping Containers
SK-38
Oct 15, 2025 at 09:39 PM
20x8.r3d
DOTEC
MMH
B2510092_000

Detail Report: M36

Load Combination: Envelope **Code check:** 0.404 (LC 3)



Input Data

Shape:	D	**I Node:**	N438
Member Type:	Beam	**J Node:**	N442
Length (ft):	8	**I Release:**	Fixed
Material Type:	Hot Rolled Steel	**J Release:**	Fixed
Design Rule:	Typical	**I Offset:**	N/A
Internal Sections:	17	**J Offset:**	N/A
Design Code:	AISC 15th (360-16): ASD	**T/C Only:**	Both Way

Material Properties

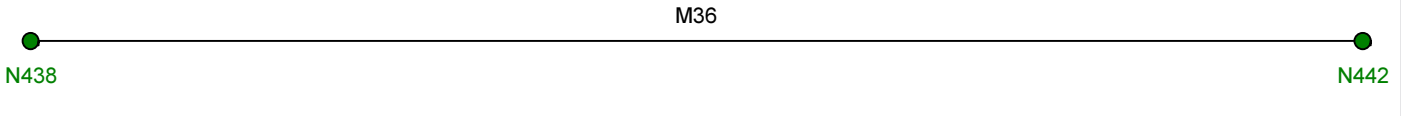
Material:	A36 Gr.36	**Therm. Coeff. (/1E5 F):**	0.65	**F_u (ksi):**	58
E (ksi):	29000	**Density (k/ft^3):**	0.49	**R_t:**	1.2
G (ksi):	11154	**F_y (ksi):**	36		
Nu:	0.3	**R_y:**	1.5		

Shape Properties

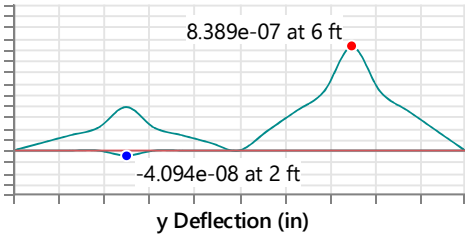
d (in):	6	**I_{zz} (in^4):**	12.135	**J (in^4):**	0.029
b_f (in):	5	**Area (in^2):**	2.491	**$\bar{x}$ (in):**	3.207
t_f (in):	0.5	**Z_{yy} (in^3):**	2.488	**e_o (in):**	1.106
t_w (in):	0.5	**Z_{zz} (in^3):**	4.643		
I_{yy} (in^4):	3.812	**C_w (in^6):**	11.7		

Design Properties

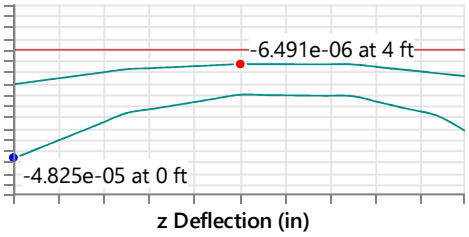
$L_{b\ y\text{-}y}$ (ft):	8	**$K_{y\text{-}y}$:**	1	**Seismic DR:**	None
$L_{b\ z\text{-}z}$ (ft):	8	**$K_{z\text{-}z}$:**	1	**Max Defl Ratio:**	L/10000
$L_{comp\ top}$:	Lbyy	**y sway:**	No	**Max Defl Location:**	0
$L_{comp\ bot}$ (ft):	8	**z sway:**	No	**Span:**	N/A
L_{torque} (ft):	8	**Function:**	Lateral	**τ_b:**	1



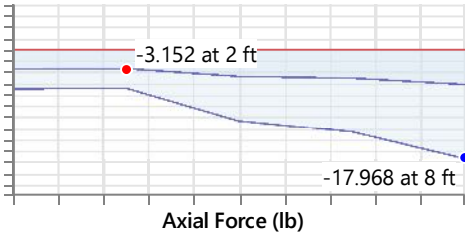
Diagrams:



y Deflection (in)



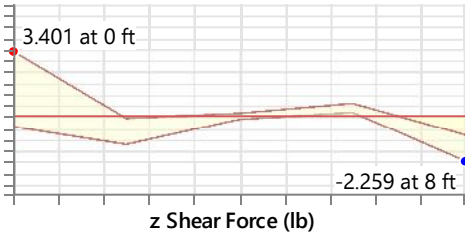
z Deflection (in)



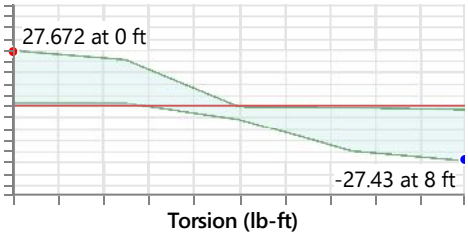
Axial Force (lb)



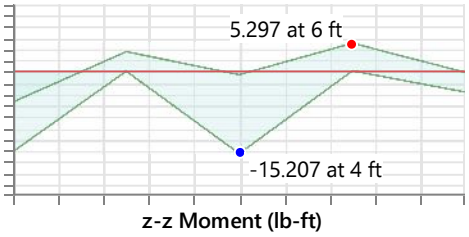
y Shear Force (lb)



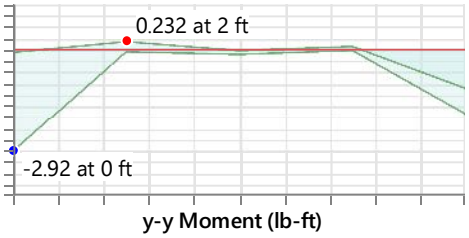
z Shear Force (lb)



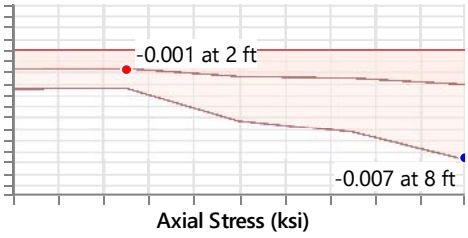
Torsion (lb-ft)



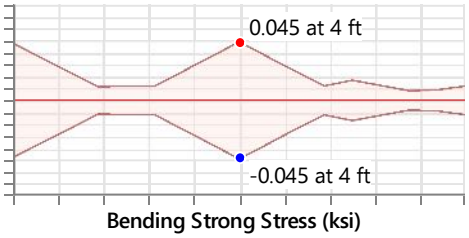
z-z Moment (lb-ft)



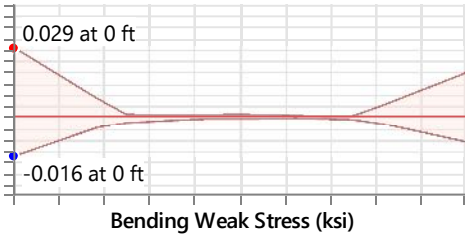
y-y Moment (lb-ft)



Axial Stress (ksi)



Bending Strong Stress (ksi)



Bending Weak Stress (ksi)

WARNING: Detail Report Based On Less Than 10 Sections!

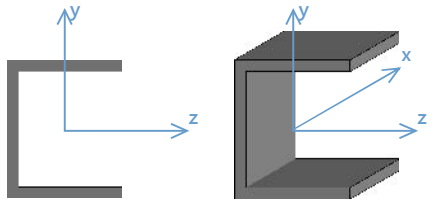
AISC 15th (360-16): ASD Code Check

Limit State	Gov. LC	Required	Available	Unity Check	Result
Applied Loading - Bending/Axial	3	-	-	-	-
Applied Loading - Shear + Torsion	3	-	-	-	-
Axial Tension Analysis	3	3.853 lb	53698.203 lb	-	-
Axial Compression Analysis	3	0 lb	39108.441 lb	-	-
Flexural Analysis (Strong Axis)	3	12.916 lb-ft	8340.719 lb-ft	-	-
Flexural Analysis (Weak Axis)	3	1373.729 lb-ft	3416.479 lb-ft	-	-
Shear Analysis (Major Axis y)	3	6676.116 lb	38802.395 lb	**0.172**	**PASS**

Shear Analysis (Minor Axis z)	3	11663.143 lb	64670.66 lb	**0.18**	**PASS**
Bending & Axial Interaction Check (UC Bending Max)	3	-	-	**0.404**	**PASS**

Detail Report: M40

Load Combination: Envelope **Code check:** 0.925 (LC 3)



Input Data

Shape:	FFF	**I Node:**	N439
Member Type:	Beam	**J Node:**	N437
Length (ft):	20	**I Release:**	Fixed
Material Type:	Hot Rolled Steel	**J Release:**	Fixed
Design Rule:	Typical	**I Offset:**	N/A
Internal Sections:	17	**J Offset:**	N/A
Design Code:	AISC 15th (360-16): ASD	**T/C Only:**	Both Way

Material Properties

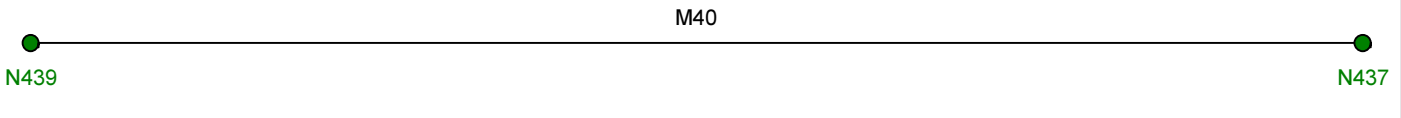
Material:	A36 Gr.36	**Therm. Coeff. (/1E5 F):**	0.65	**F_u (ksi):**	58
E (ksi):	29000	**Density (k/ft^3):**	0.49	**R_t:**	1.2
G (ksi):	11154	**F_y (ksi):**	36		
Nu:	0.3	**R_y:**	1.5		

Shape Properties

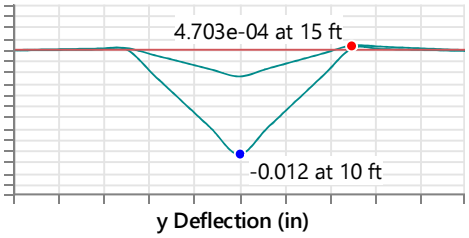
d (in):	6	**I_{zz} (in^4):**	8.089	**J (in^4):**	0.022
b_f (in):	5	**Area (in^2):**	1.904	**$\bar{x}$ (in):**	2.358
t_f (in):	0.5	**Z_{yy} (in^3):**	1.162	**e_o (in):**	0.705
t_w (in):	0.5	**Z_{zz} (in^3):**	3.433		
I_{yy} (in^4):	1.238	**C_w (in^6):**	3.788		

Design Properties

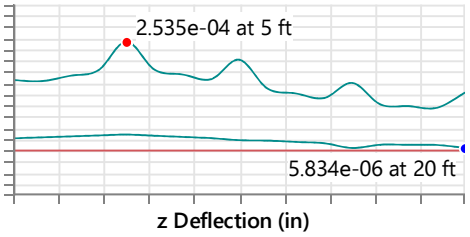
$L_{b\ y\text{-}y}$ (ft):	20	**$K_{y\text{-}y}$:**	1	**Seismic DR:**	None
$L_{b\ z\text{-}z}$ (ft):	20	**$K_{z\text{-}z}$:**	1	**Max Defl Ratio:**	L/8024
$L_{comp\ top}$:	Lbyy	**y sway:**	No	**Max Defl Location:**	8.75
$L_{comp\ bot}$ (ft):	20	**z sway:**	No	**Span:**	3
L_{torque} (ft):	20	**Function:**	Lateral	**τ_b:**	1



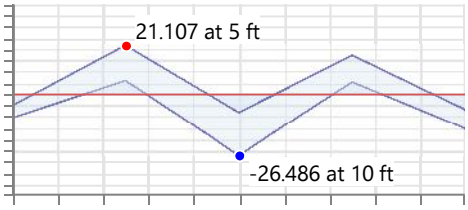
Diagrams:



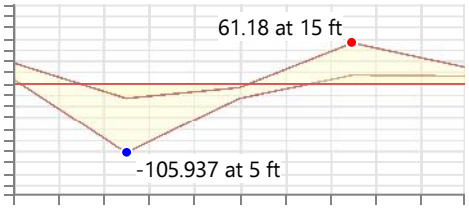
y Deflection (in)



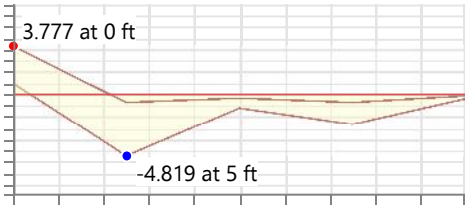
z Deflection (in)



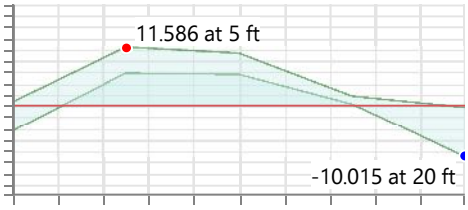
Axial Force (lb)



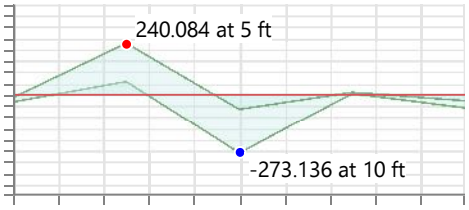
y Shear Force (lb)



z Shear Force (lb)



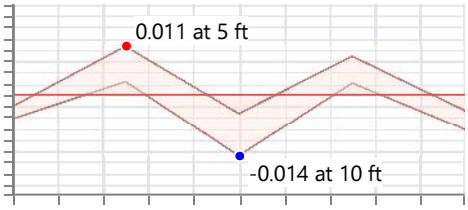
Torsion (lb-ft)



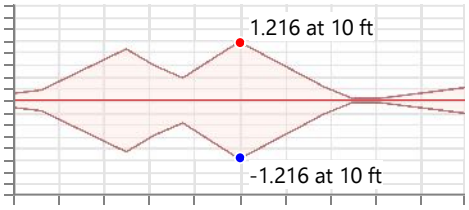
z-z Moment (lb-ft)



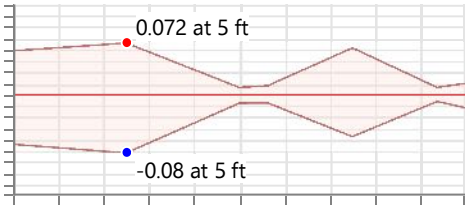
y-y Moment (lb-ft)



Axial Stress (ksi)



Bending Strong Stress (ksi)



Bending Weak Stress (ksi)

WARNING: Detail Report Based On Less Than 10 Sections!

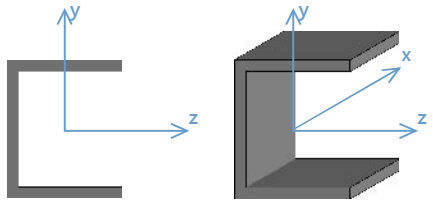
AISC 15th (360-16): ASD Code Check

Limit State	Gov. LC	Required	Available	Unity Check	Result
Applied Loading - Bending/Axial	3	-	-	-	-
Applied Loading - Shear + Torsion	3	-	-	-	-
Axial Tension Analysis	3	8.105 lb	41044.312 lb	-	-
Axial Compression Analysis	3	0 lb	3230.569 lb	-	-
Flexural Analysis (Strong Axis)	3	40.642 lb-ft	2681.151 lb-ft	-	-
Flexural Analysis (Weak Axis)	3	273.807 lb-ft	1346.829 lb-ft	-	-
Shear Analysis (Major Axis y)	3	35801.203 lb	38802.395 lb	**0.923**	**PASS**

Shear Analysis (Minor Axis z)	3	59829.121 lb	64670.66 lb	**0.925**	**PASS**
Bending & Axial Interaction Check (UC Bending Max)	3	-	-	**0.219**	**PASS**

Detail Report: M7

Load Combination: Envelope **Code check:** 0.491 (LC 3)



Input Data

Shape:	FF	**I Node:**	N9
Member Type:	Beam	**J Node:**	N7
Length (ft):	20	**I Release:**	Fixed
Material Type:	Hot Rolled Steel	**J Release:**	Fixed
Design Rule:	Typical	**I Offset:**	N/A
Internal Sections:	17	**J Offset:**	N/A
Design Code:	AISC 15th (360-16): ASD	**T/C Only:**	Both Way

Material Properties

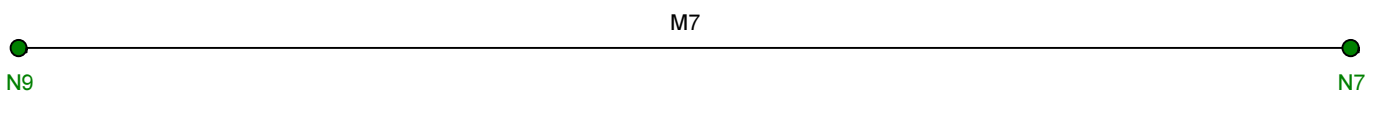
Material:	A36 Gr.36	**Therm. Coeff. (/1E5 F):**	0.65	**F_u (ksi):**	58
E (ksi):	29000	**Density (k/ft^3):**	0.49	**R_t:**	1.2
G (ksi):	11154	**F_y (ksi):**	36		
Nu:	0.3	**R_y:**	1.5		

Shape Properties

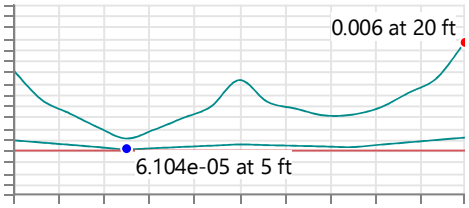
d (in):	6	**I_{zz} (in^4):**	8.737	**J (in^4):**	0.02
b_f (in):	5	**Area (in^2):**	1.728	**$\bar{x}$ (in):**	1.595
t_f (in):	0.5	**Z_{yy} (in^3):**	0.477	**e_o (in):**	0.343
t_w (in):	0.5	**Z_{zz} (in^3):**	3.469		
I_{yy} (in^4):	0.372	**C_w (in^6):**	1.113		

Design Properties

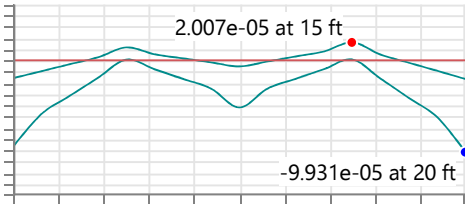
$L_{b\ y\text{-}y}$ (ft):	0	**$K_{y\text{-}y}$:**	1	**Seismic DR:**	None
$L_{b\ z\text{-}z}$ (ft):	20	**$K_{z\text{-}z}$:**	1	**Max Defl Ratio:**	L/0
$L_{comp\ top}$ (ft):	0	**y sway:**	No	**Max Defl Location:**	-1.25
$L_{comp\ bot}$ (ft):	20	**z sway:**	No	**Span:**	2
L_{torque} (ft):	20	**Function:**	Lateral	**τ_b:**	1



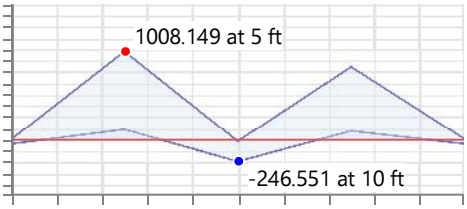
Diagrams:



y Deflection (in)



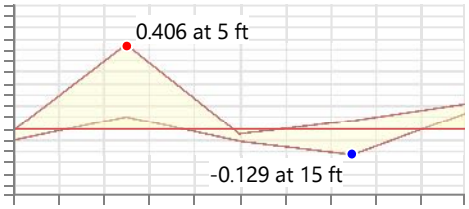
z Deflection (in)



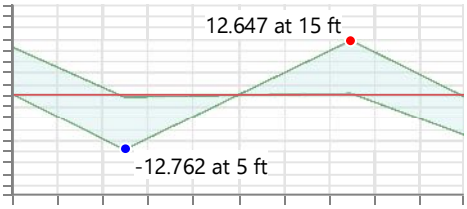
Axial Force (lb)



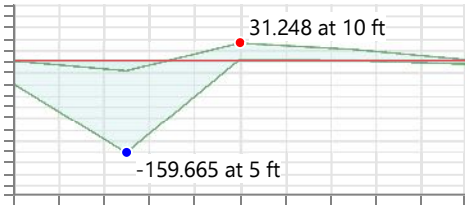
y Shear Force (lb)



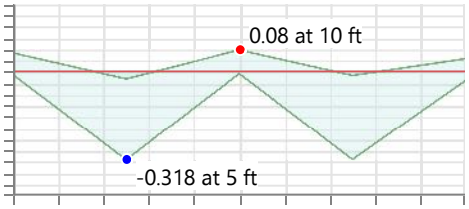
z Shear Force (lb)



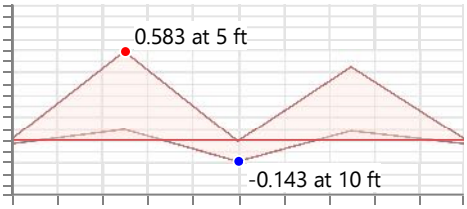
Torsion (lb-ft)



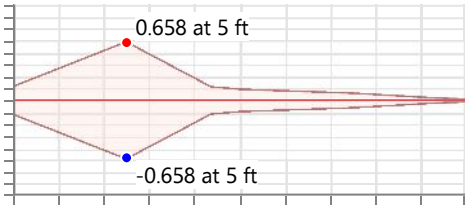
z-z Moment (lb-ft)



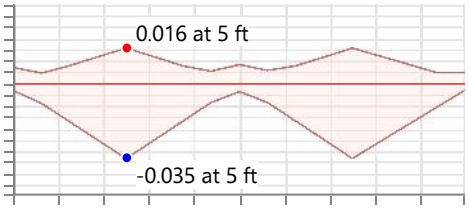
y-y Moment (lb-ft)



Axial Stress (ksi)



Bending Strong Stress (ksi)



Bending Weak Stress (ksi)

WARNING: Detail Report Based On Less Than 10 Sections!

AISC 15th (360-16): ASD Code Check

Limit State	Gov. LC	Required	Available	Unity Check	Result
Applied Loading - Bending/Axial	3	-	-	-	-
Applied Loading - Shear + Torsion	3	-	-	-	-
Axial Tension Analysis	3	48.514 lb	37250.297 lb	-	-
Axial Compression Analysis	3	0 lb	5234.981 lb	-	-
Flexural Analysis (Strong Axis)	3	38.574 lb-ft	6231.736 lb-ft	-	-
Flexural Analysis (Weak Axis)	3	152.031 lb-ft	314.015 lb-ft	-	-
Shear Analysis (Major Axis y)	3	11849.206 lb	38802.395 lb	**0.305**	**PASS**

Shear Analysis (Minor Axis z)	3	19035.836 lb	64670.66 lb	**0.294**	**PASS**
Bending & Axial Interaction Check (UC Bending Max)	3	-	-	**0.491**	**PASS**

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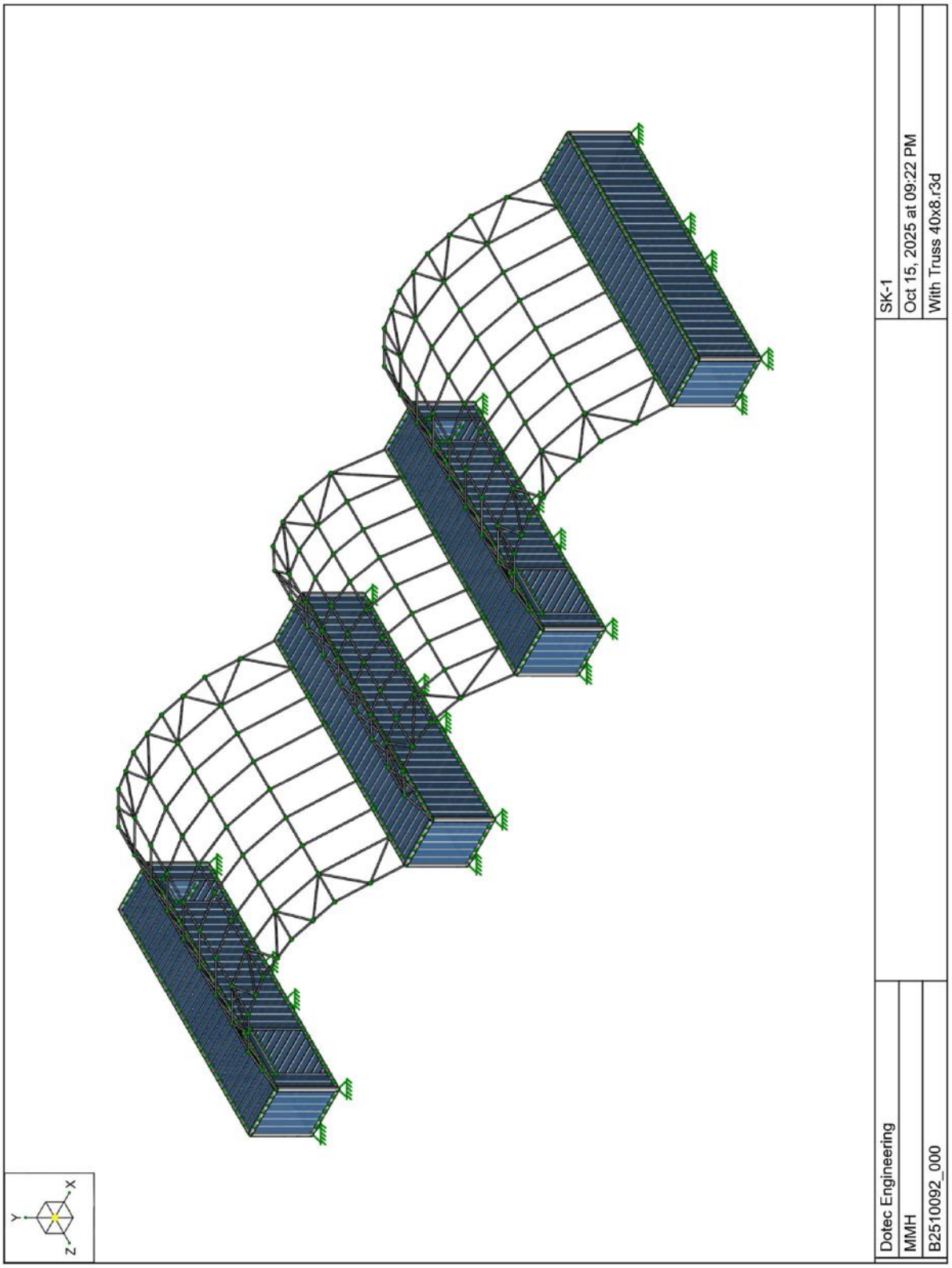
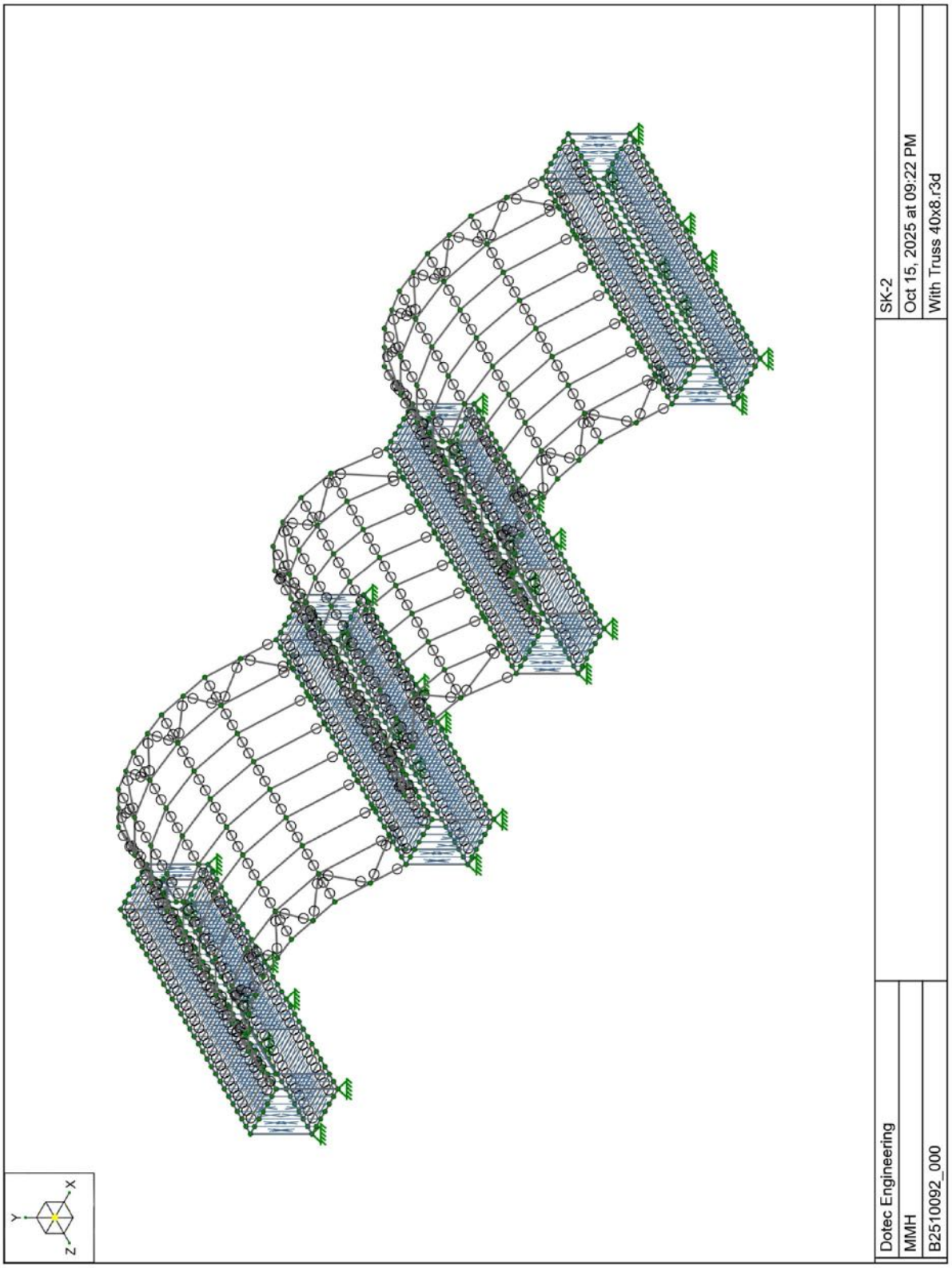
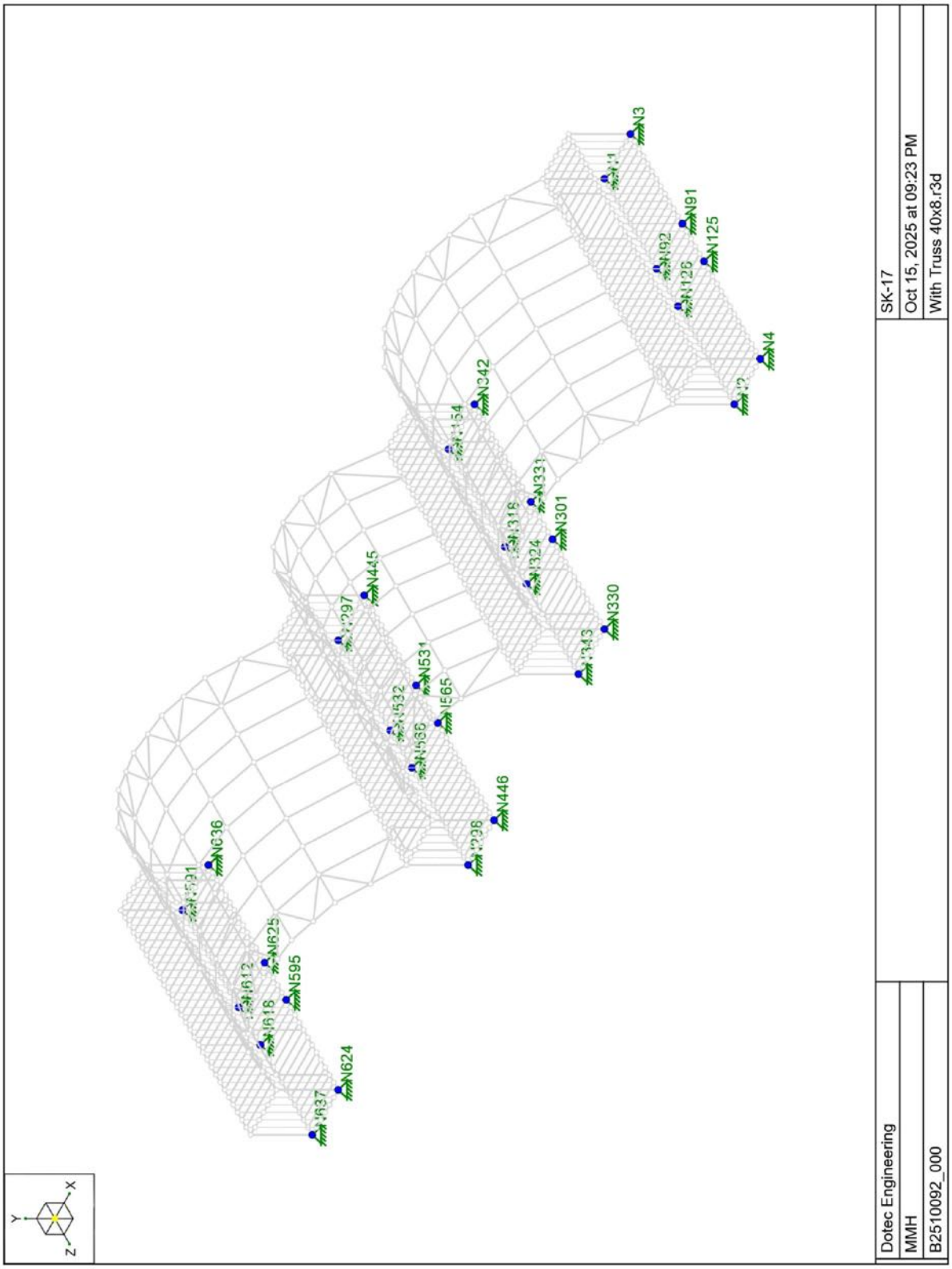

SK-1
Oct 15, 2025 at 09:22 PM
With Truss 40x8.r3d
Dotec Engineering
MMH
B2510092_000
X
Y
Z


SK-2
Oct 15, 2025 at 09:22 PM
With Truss 40x8.r3d
Dotec Engineering
MMH
B2510092_000
X
Y
Z

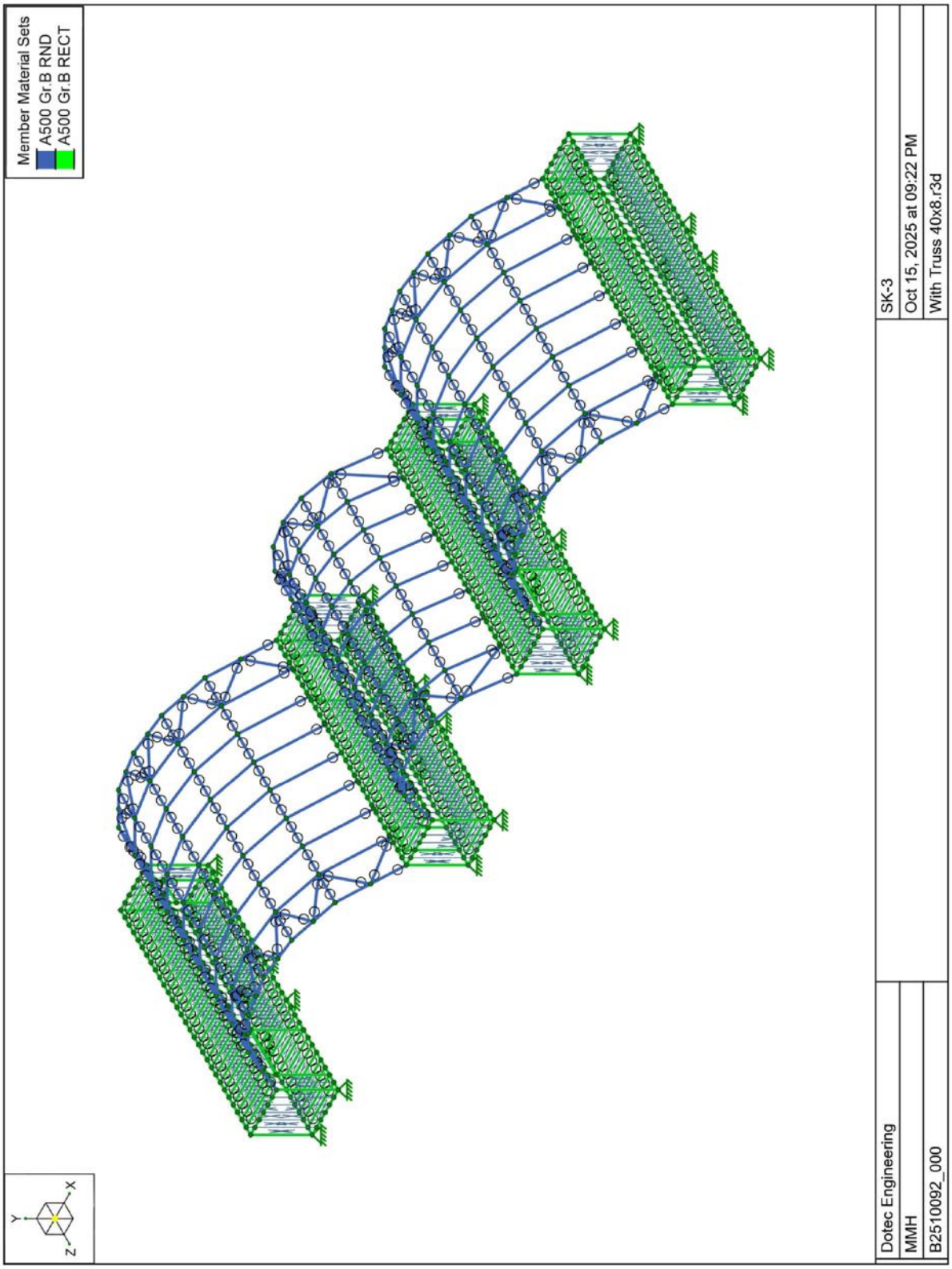
Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]
1	N2	Reaction	Reaction	Reaction
2	N1	Reaction	Reaction	Reaction
3	N4	Reaction	Reaction	Reaction
4	N3	Reaction	Reaction	Reaction
5	N91	Reaction	Reaction	Reaction
6	N125	Reaction	Reaction	Reaction
7	N126	Reaction	Reaction	Reaction
8	N92	Reaction	Reaction	Reaction
9	N154	Reaction	Reaction	Reaction
10	N301	Reaction	Reaction	Reaction
11	N318	Reaction	Reaction	Reaction
12	N324	Reaction	Reaction	Reaction
13	N330	Reaction	Reaction	Reaction
14	N331	Reaction	Reaction	Reaction
15	N342	Reaction	Reaction	Reaction
16	N343	Reaction	Reaction	Reaction
17	N297	Reaction	Reaction	Reaction
18	N298	Reaction	Reaction	Reaction
19	N445	Reaction	Reaction	Reaction
20	N446	Reaction	Reaction	Reaction
21	N531	Reaction	Reaction	Reaction
22	N532	Reaction	Reaction	Reaction
23	N565	Reaction	Reaction	Reaction
24	N566	Reaction	Reaction	Reaction
25	N591	Reaction	Reaction	Reaction
26	N595	Reaction	Reaction	Reaction
27	N612	Reaction	Reaction	Reaction
28	N618	Reaction	Reaction	Reaction
29	N624	Reaction	Reaction	Reaction
30	N625	Reaction	Reaction	Reaction
31	N636	Reaction	Reaction	Reaction
32	N637	Reaction	Reaction	Reaction


N3
N91
N125
N4
N342
N331
N301
N330
N445
N531
N446
N636
N625
N595
N624
SK-17
Oct 15, 2025 at 09:23 PM
With Truss 40x8.r3d
Dotec Engineering
MMH
B2510092_000

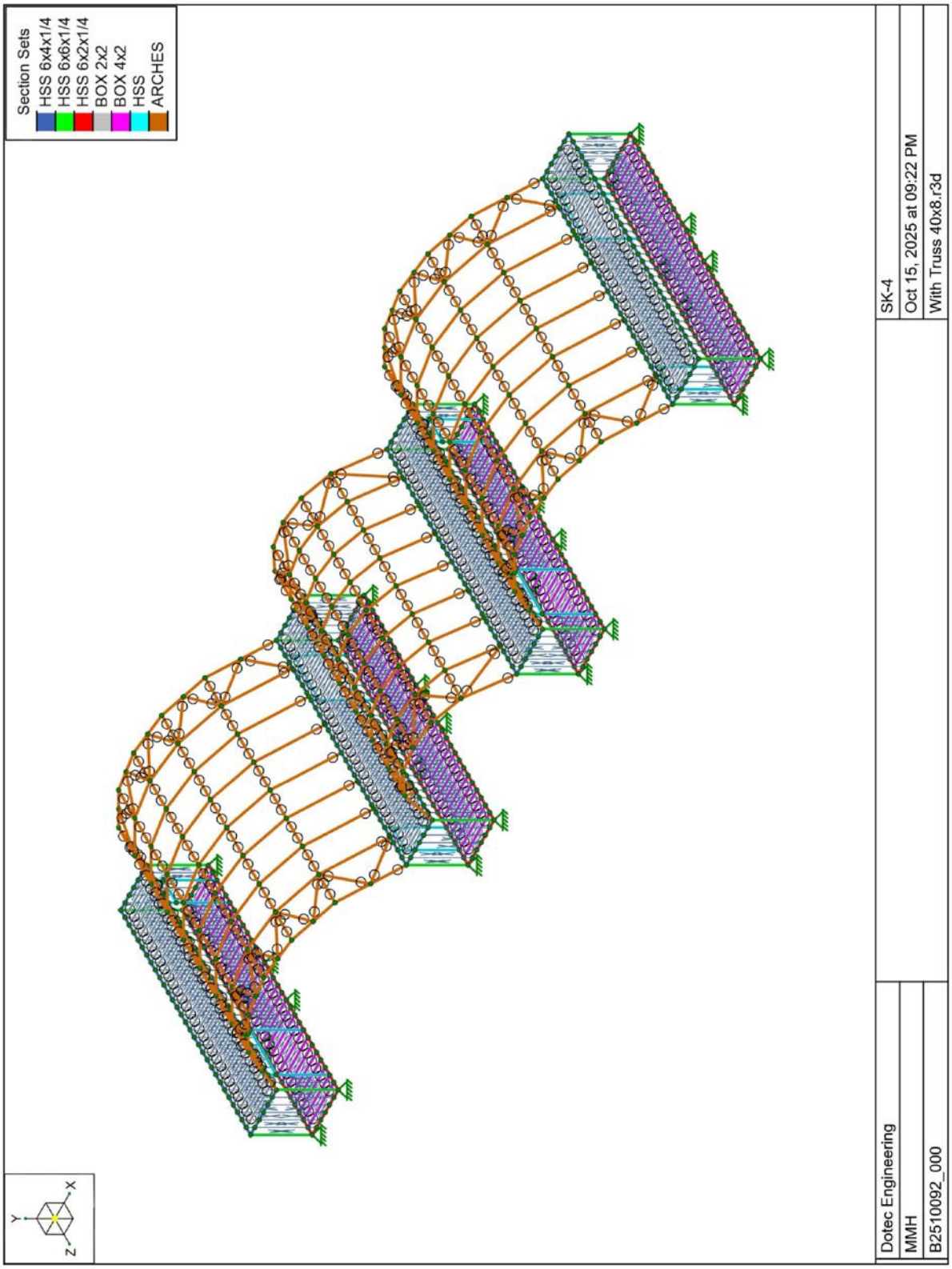
Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm. Coeff. [1e^{5}°F^{-1}]	Density [k/ft^{3}]	Yield [ksi]	Ry	Fu [ksi]	Rt
1	A992	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	0.3	0.65	0.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	0.3	0.65	0.527	42	1.4	58	1.3
5	A500 Gr.B RECT	29000	11154	0.3	0.65	0.527	46	1.4	58	1.3
6	A500 Gr.C RND	29000	11154	0.3	0.65	0.527	46	1.4	62	1.3
7	A500 Gr.C RECT	29000	11154	0.3	0.65	0.527	50	1.4	62	1.3
8	A53 Gr.B	29000	11154	0.3	0.65	0.49	35	1.6	60	1.2
9	A1085	29000	11154	0.3	0.65	0.49	50	1.4	65	1.3
10	A913 Gr.65	29000	11154	0.3	0.65	0.49	65	1.1	80	1.1
11	A529 Gr.50	29000	11154	0.3	0.65	0.49	50	1.1	65	1.1


Member Material Sets
A500 Gr.B RND
A500 Gr.B RECT
SK-3
Oct 15, 2025 at 09:22 PM
With Truss 40x8.r3d
Dotec Engineering
MMH
B2510092_000
X
Y
Z

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in²]	Iyy [in⁴]	Izz [in⁴]	J [in⁴]
1	C 12"X20.7"	C12X20.7	Beam	Channel	A529 Gr.50	Typical	6.08	3.86	129	0.369
2	C	C10X15.3	Beam	Channel	A529 Gr.50	Typical	4.48	2.27	67.3	0.209
3	2L1.5"X3"&0.125"PL	2L1.5"X3"&0.125"PL	Column	Tube	A36 Gr.36	Typical	2.172	6.135	6.126	0.011
4	C6X8.2	C6X8.2	Beam	Channel	A529 Gr.50	Typical	2.39	0.687	13.1	0.074
5	BOX 6"X3"X0.125	HSS6X3X2	Beam	Tube	A500 Gr.C RECT	Typical	2	3.23	9.43	7.73
6	BOX 3"X3"X0.125	HSS3X3X2	Column	Tube	A500 Gr.C RECT	Typical	1.3	1.78	1.78	2.84
7	L 1.5"X3"X11GA	L1.5"X3"X0.125	Column	Single Angle	A36 Gr.36	Typical	0.547	0.094	0.525	0.003
8	VERTICAL	C3*1.5*0.125	Column	Channel	A36 Gr.36	Typical	0.787	0.176	1.12	0.005
9	HSS 6x4x1/4	HSS6X4X4	Beam	Tube	A500 Gr.B RECT	Typical	4.3	11.1	20.9	23.6
10	HSS 6x6x1/4	HSS6X6X4	Column	Tube	A500 Gr.B RECT	Typical	5.24	28.6	28.6	45.6
11	HSS 6x2x1/4	HSS6X2X4	Beam	Tube	A500 Gr.B RECT	Typical	3.37	2.21	13.1	6.55
12	BOX 2x2	BOX2X2X1/4	Beam	Tube	A500 Gr.B RECT	Typical	1.75	0.911	0.911	1.34
13	BOX 4x2	BOX4X2X1/4	Beam	Tube	A500 Gr.B RECT	Typical	2.75	1.682	5.307	3.915
14	HSS	HSS2X3X16GA	Column	Tube	A500 Gr.B RECT	Typical	0.76	0.459	0.459	0.686
15	ARCHES	PIPE_2.0XX	Beam	HSS Pipe	A500 Gr.B RND	Typical	2.51	1.27	1.27	2.54
16	ARCHES-2	BOX2.5x0.075	Beam	Tube	A500 Gr.B RND	Typical	0.728	0.714	0.714	1.07


Section Sets
HSS 6x4x1/4
HSS 6x6x1/4
HSS 6x2x1/4
BOX 2x2
BOX 4x2
HSS
ARCHES
SK-4
Oct 15, 2025 at 09:22 PM
With Truss 40x8.r3d
Dotec Engineering
MMH
B2510092_000
X
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Z

Hot Rolled Steel Design Parameters

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
1	M1	HSS 6x4x1/4	96			Lbyy		N/A	N/A	Lateral
2	M2	HSS 6x4x1/4	480	18	18	18	18	N/A	N/A	Lateral
3	M3	HSS 6x4x1/4	96			Lbyy		N/A	N/A	Lateral
4	M4	HSS 6x4x1/4	480	18	18	18	18	N/A	N/A	Lateral
5	M5	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
6	M6	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
7	M7	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
8	M8	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
9	M9	HSS 6x2x1/4	96			Lbyy		N/A	N/A	Lateral
10	M10	HSS 6x2x1/4	480	18	18	18	18	N/A	N/A	Lateral
11	M11	HSS 6x2x1/4	96			Lbyy		N/A	N/A	Lateral
12	M12	HSS 6x2x1/4	480	18	18	18	18	N/A	N/A	Lateral
13	M14	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
14	M15	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
15	M16	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
16	M17	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
17	M18	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
18	M19	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
19	M20	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
20	M21	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
21	M22	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
22	M23	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
23	M24	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
24	M25	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
25	M26	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
26	M27	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
27	M28	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
28	M29	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
29	M30	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
30	M31	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
31	M32	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
32	M33	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
33	M34	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
34	M35	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
35	M36	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
36	M37	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
37	M38	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
38	M39	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
39	M40	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
40	M41	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
41	M42	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
42	M43	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
43	M44	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
44	M45	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
45	M46	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
46	M47	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
47	M48	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
48	M49	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
49	M50	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
50	M51	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
51	M52	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
52	M53	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
53	M54	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
54	M55	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
55	M56	BOX 4x2	96			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
56	M57	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
57	M58	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
58	M59	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
59	M60	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
60	M61	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
61	M62	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
62	M63	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
63	M64	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
64	M65	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
65	M66	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
66	M67	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
67	M68	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
68	M69	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
69	M70	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
70	M71	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
71	M72	HSS	114			Lbyy		N/A	N/A	Lateral
72	M73	HSS	114			Lbyy		N/A	N/A	Lateral
73	M74	HSS	48			Lbyy		N/A	N/A	Lateral
74	M75	HSS	114			Lbyy		N/A	N/A	Lateral
75	M76	HSS	114			Lbyy		N/A	N/A	Lateral
76	M77	HSS	96			Lbyy		N/A	N/A	Lateral
77	M83	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
78	M154	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
79	M155	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
80	M156	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
81	M157	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
82	M158	HSS 6x4x1/4	480	18	18	18	18	N/A	N/A	Lateral
83	M159	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
84	M160	HSS 6x4x1/4	96			Lbyy		N/A	N/A	Lateral
85	M161	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
86	M162	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
87	M163	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
88	M164	HSS 6x4x1/4	96			Lbyy		N/A	N/A	Lateral
89	M165	HSS 6x4x1/4	480	18	18	18	18	N/A	N/A	Lateral
90	M166	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
91	M168	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
92	M169	HSS 6x2x1/4	96			Lbyy		N/A	N/A	Lateral
93	M170	HSS 6x2x1/4	480	18	18	18	18	N/A	N/A	Lateral
94	M171	HSS 6x2x1/4	96			Lbyy		N/A	N/A	Lateral
95	M172	HSS 6x2x1/4	480	18	18	18	18	N/A	N/A	Lateral
96	M173	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
97	M174	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
98	M175	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
99	M176	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
100	M177	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
101	M178	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
102	M179	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
103	M180	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
104	M181	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
105	M182	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
106	M183	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
107	M184	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
108	M185	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
109	M186	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
110	M187	HSS	96			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
111	M188	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
112	M189	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
113	M190	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
114	M191	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
115	M192	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
116	M193	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
117	M194	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
118	M195	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
119	M196	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
120	M197	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
121	M198	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
122	M199	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
123	M200	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
124	M201	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
125	M202	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
126	M203	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
127	M204	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
128	M205	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
129	M206	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
130	M207	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
131	M208	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
132	M209	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
133	M210	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
134	M211	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
135	M212	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
136	M213	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
137	M214	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
138	M215	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
139	M216	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
140	M217	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
141	M218	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
142	M219	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
143	M220	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
144	M221	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
145	M222	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
146	M223	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
147	M224	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
148	M225	HSS	114			Lbyy		N/A	N/A	Lateral
149	M226	HSS	114			Lbyy		N/A	N/A	Lateral
150	M227	HSS	48			Lbyy		N/A	N/A	Lateral
151	M228	HSS	114			Lbyy		N/A	N/A	Lateral
152	M229	HSS	114			Lbyy		N/A	N/A	Lateral
153	M230	HSS 6x4x1/4	96			Lbyy		N/A	N/A	Lateral
154	M231	HSS 6x4x1/4	480	18	18	18	18	N/A	N/A	Lateral
155	M232	HSS 6x4x1/4	96			Lbyy		N/A	N/A	Lateral
156	M233	HSS 6x4x1/4	480	18	18	18	18	N/A	N/A	Lateral
157	M234	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
158	M235	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
159	M236	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
160	M237	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
161	M238	HSS 6x2x1/4	96			Lbyy		N/A	N/A	Lateral
162	M239	HSS 6x2x1/4	480	18	18	18	18	N/A	N/A	Lateral
163	M240	HSS 6x2x1/4	96			Lbyy		N/A	N/A	Lateral
164	M241	HSS 6x2x1/4	480	18	18	18	18	N/A	N/A	Lateral
165	M242	BOX 2x2	96			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
166	M243	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
167	M244	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
168	M245	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
169	M246	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
170	M247	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
171	M248	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
172	M249	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
173	M250	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
174	M251	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
175	M252	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
176	M253	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
177	M254	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
178	M255	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
179	M256	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
180	M257	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
181	M258	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
182	M259	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
183	M260	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
184	M261	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
185	M262	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
186	M263	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
187	M264	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
188	M265	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
189	M266	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
190	M267	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
191	M268	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
192	M269	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
193	M270	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
194	M271	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
195	M272	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
196	M273	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
197	M274	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
198	M275	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
199	M276	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
200	M277	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
201	M278	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
202	M279	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
203	M280	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
204	M281	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
205	M282	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
206	M283	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
207	M284	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
208	M285	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
209	M286	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
210	M287	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
211	M288	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
212	M289	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
213	M290	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
214	M291	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
215	M292	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
216	M293	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
217	M294	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
218	M295	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
219	M296	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
220	M297	BOX 4x2	96			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
221	M298	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
222	M299	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
223	M300	HSS	114			Lbyy		N/A	N/A	Lateral
224	M301	HSS	114			Lbyy		N/A	N/A	Lateral
225	M302	HSS	48			Lbyy		N/A	N/A	Lateral
226	M303	HSS	114			Lbyy		N/A	N/A	Lateral
227	M304	HSS	114			Lbyy		N/A	N/A	Lateral
228	M305	HSS	96			Lbyy		N/A	N/A	Lateral
229	M306	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
230	M307	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
231	M308	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
232	M309	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
233	M310	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
234	M311	HSS 6x4x1/4	480	18	18	18	18	N/A	N/A	Lateral
235	M312	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
236	M313	HSS 6x4x1/4	96			Lbyy		N/A	N/A	Lateral
237	M314	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
238	M315	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
239	M316	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
240	M317	HSS 6x4x1/4	96			Lbyy		N/A	N/A	Lateral
241	M318	HSS 6x4x1/4	480	18	18	18	18	N/A	N/A	Lateral
242	M319	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
243	M321	HSS 6x6x1/4	114			Lbyy		N/A	N/A	Lateral
244	M322	HSS 6x2x1/4	96			Lbyy		N/A	N/A	Lateral
245	M323	HSS 6x2x1/4	480	18	18	18	18	N/A	N/A	Lateral
246	M324	HSS 6x2x1/4	96			Lbyy		N/A	N/A	Lateral
247	M325	HSS 6x2x1/4	480	18	18	18	18	N/A	N/A	Lateral
248	M326	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
249	M327	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
250	M328	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
251	M329	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
252	M330	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
253	M331	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
254	M332	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
255	M333	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
256	M334	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
257	M335	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
258	M336	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
259	M337	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
260	M338	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
261	M339	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
262	M340	HSS	96			Lbyy		N/A	N/A	Lateral
263	M341	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
264	M342	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
265	M343	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
266	M344	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
267	M345	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
268	M346	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
269	M347	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
270	M348	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
271	M349	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
272	M350	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
273	M351	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
274	M352	BOX 2x2	96			Lbyy		N/A	N/A	Lateral
275	M353	BOX 2x2	96			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
276	M354	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
277	M355	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
278	M356	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
279	M357	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
280	M358	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
281	M359	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
282	M360	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
283	M361	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
284	M362	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
285	M363	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
286	M364	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
287	M365	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
288	M366	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
289	M367	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
290	M368	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
291	M369	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
292	M370	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
293	M371	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
294	M372	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
295	M373	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
296	M374	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
297	M375	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
298	M376	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
299	M377	BOX 4x2	96			Lbyy		N/A	N/A	Lateral
300	M378	HSS	114			Lbyy		N/A	N/A	Lateral
301	M379	HSS	114			Lbyy		N/A	N/A	Lateral
302	M380	HSS	48			Lbyy		N/A	N/A	Lateral
303	M381	HSS	114			Lbyy		N/A	N/A	Lateral
304	M382	HSS	114			Lbyy		N/A	N/A	Lateral
305	M383	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
306	M384	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
307	M385	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
308	M386	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
309	M387	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
310	M388	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
311	M389	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
312	M390	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
313	M391	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
314	M392	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
315	M393	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
316	M394	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
317	M395	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
318	M396	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
319	M397	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
320	M398	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
321	M399	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
322	M400	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
323	M401	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
324	M402	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
325	M403	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
326	M404	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
327	M405	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
328	M406	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
329	M407	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
330	M408	ARCHES	89.443			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
331	M409	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
332	M410	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
333	M411	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
334	M412	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
335	M413	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
336	M414	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
337	M415	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
338	M416	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
339	M417	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
340	M418	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
341	M419	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
342	M420	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
343	M421	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
344	M422	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
345	M423	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
346	M424	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
347	M425	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
348	M426	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
349	M427	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
350	M428	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
351	M429	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
352	M430	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
353	M431	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
354	M432	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
355	M433	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
356	M434	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
357	M435	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
358	M436	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
359	M437	ARCHES	60			Lbyy		N/A	N/A	Lateral
360	M438	ARCHES	60			Lbyy		N/A	N/A	Lateral
361	M439	ARCHES	60			Lbyy		N/A	N/A	Lateral
362	M440	ARCHES	60			Lbyy		N/A	N/A	Lateral
363	M441	ARCHES	60			Lbyy		N/A	N/A	Lateral
364	M442	ARCHES	60			Lbyy		N/A	N/A	Lateral
365	M443	ARCHES	60			Lbyy		N/A	N/A	Lateral
366	M444	ARCHES	60			Lbyy		N/A	N/A	Lateral
367	M445	ARCHES	60			Lbyy		N/A	N/A	Lateral
368	M446	ARCHES	60			Lbyy		N/A	N/A	Lateral
369	M447	ARCHES	60			Lbyy		N/A	N/A	Lateral
370	M448	ARCHES	60			Lbyy		N/A	N/A	Lateral
371	M449	ARCHES	60			Lbyy		N/A	N/A	Lateral
372	M450	ARCHES	60			Lbyy		N/A	N/A	Lateral
373	M451	ARCHES	60			Lbyy		N/A	N/A	Lateral
374	M452	ARCHES	60			Lbyy		N/A	N/A	Lateral
375	M453	ARCHES	60			Lbyy		N/A	N/A	Lateral
376	M454	ARCHES	60			Lbyy		N/A	N/A	Lateral
377	M455	ARCHES	60			Lbyy		N/A	N/A	Lateral
378	M456	ARCHES	60			Lbyy		N/A	N/A	Lateral
379	M457	ARCHES	60			Lbyy		N/A	N/A	Lateral
380	M458	ARCHES	60			Lbyy		N/A	N/A	Lateral
381	M459	ARCHES	60			Lbyy		N/A	N/A	Lateral
382	M460	ARCHES	60			Lbyy		N/A	N/A	Lateral
383	M461	ARCHES	60			Lbyy		N/A	N/A	Lateral
384	M462	ARCHES	60			Lbyy		N/A	N/A	Lateral
385	M463	ARCHES	60			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
386	M464	ARCHES	60			Lbyy		N/A	N/A	Lateral
387	M465	ARCHES	60			Lbyy		N/A	N/A	Lateral
388	M466	ARCHES	60			Lbyy		N/A	N/A	Lateral
389	M467	ARCHES	60			Lbyy		N/A	N/A	Lateral
390	M468	ARCHES	60			Lbyy		N/A	N/A	Lateral
391	M469	ARCHES	60			Lbyy		N/A	N/A	Lateral
392	M470	ARCHES	60			Lbyy		N/A	N/A	Lateral
393	M471	ARCHES	60			Lbyy		N/A	N/A	Lateral
394	M472	ARCHES	60			Lbyy		N/A	N/A	Lateral
395	M473	ARCHES	60			Lbyy		N/A	N/A	Lateral
396	M474	ARCHES	60			Lbyy		N/A	N/A	Lateral
397	M475	ARCHES	60			Lbyy		N/A	N/A	Lateral
398	M476	ARCHES	60			Lbyy		N/A	N/A	Lateral
399	M478	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
400	M479	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
401	M480	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
402	M481	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
403	M482	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
404	M483	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
405	M484	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
406	M485	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
407	M486	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
408	M487	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
409	M477	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
410	M488	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
411	M489	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
412	M490	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
413	M491	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
414	M492	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
415	M493	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
416	M494	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
417	M495	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
418	M496	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
419	M497	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
420	M498	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
421	M499	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
422	M500	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
423	M501	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
424	M502	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
425	M503	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
426	M504	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
427	M505	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
428	M506	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
429	M507	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
430	M508	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
431	M509	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
432	M510	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
433	M511	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
434	M512	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
435	M513	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
436	M514	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
437	M515	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
438	M516	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
439	M517	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
440	M518	ARCHES	52.612			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
441	M519	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
442	M520	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
443	M521	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
444	M522	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
445	M523	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
446	M524	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
447	M525	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
448	M526	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
449	M527	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
450	M528	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
451	M529	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
452	M530	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
453	M531	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
454	M532	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
455	M533	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
456	M534	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
457	M535	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
458	M536	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
459	M537	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
460	M538	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
461	M539	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
462	M540	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
463	M541	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
464	M542	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
465	M543	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
466	M544	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
467	M545	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
468	M546	ARCHES	92.914			Lbyy		N/A	N/A	Lateral
469	M547	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
470	M548	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
471	M549	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
472	M550	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
473	M551	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
474	M552	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
475	M553	ARCHES	59.54			Lbyy		N/A	N/A	Lateral
476	M554	ARCHES	52.612			Lbyy		N/A	N/A	Lateral
477	M555	ARCHES	110.603			Lbyy		N/A	N/A	Lateral
478	M556	ARCHES	84.528			Lbyy		N/A	N/A	Lateral
479	M557	ARCHES	79.8			Lbyy		N/A	N/A	Lateral
480	M558	ARCHES	79.8			Lbyy		N/A	N/A	Lateral
481	M559	ARCHES	84.528			Lbyy		N/A	N/A	Lateral
482	M560	ARCHES	110.603			Lbyy		N/A	N/A	Lateral
483	M561	ARCHES	110.603			Lbyy		N/A	N/A	Lateral
484	M562	ARCHES	84.528			Lbyy		N/A	N/A	Lateral
485	M563	ARCHES	79.8			Lbyy		N/A	N/A	Lateral
486	M564	ARCHES	79.8			Lbyy		N/A	N/A	Lateral
487	M565	ARCHES	84.528			Lbyy		N/A	N/A	Lateral
488	M566	ARCHES	110.603			Lbyy		N/A	N/A	Lateral
489	M567	ARCHES	60			Lbyy		N/A	N/A	Lateral
490	M568	ARCHES	60			Lbyy		N/A	N/A	Lateral
491	M569	ARCHES	60			Lbyy		N/A	N/A	Lateral
492	M570	ARCHES	60			Lbyy		N/A	N/A	Lateral
493	M571	ARCHES	60			Lbyy		N/A	N/A	Lateral
494	M572	ARCHES	60			Lbyy		N/A	N/A	Lateral
495	M573	ARCHES	60			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
496	M574	ARCHES	60			Lbyy		N/A	N/A	Lateral
497	M575	ARCHES	60			Lbyy		N/A	N/A	Lateral
498	M576	ARCHES	60			Lbyy		N/A	N/A	Lateral
499	M577	ARCHES	60			Lbyy		N/A	N/A	Lateral
500	M578	ARCHES	60			Lbyy		N/A	N/A	Lateral
501	M579	ARCHES	60			Lbyy		N/A	N/A	Lateral
502	M580	ARCHES	60			Lbyy		N/A	N/A	Lateral
503	M581	ARCHES	60			Lbyy		N/A	N/A	Lateral
504	M582	ARCHES	60			Lbyy		N/A	N/A	Lateral
505	M583	ARCHES	60			Lbyy		N/A	N/A	Lateral
506	M584	ARCHES	60			Lbyy		N/A	N/A	Lateral
507	M585	ARCHES	60			Lbyy		N/A	N/A	Lateral
508	M586	ARCHES	60			Lbyy		N/A	N/A	Lateral
509	M587	ARCHES	60			Lbyy		N/A	N/A	Lateral
510	M588	ARCHES	60			Lbyy		N/A	N/A	Lateral
511	M589	ARCHES	60			Lbyy		N/A	N/A	Lateral
512	M590	ARCHES	60			Lbyy		N/A	N/A	Lateral
513	M591	ARCHES	60			Lbyy		N/A	N/A	Lateral
514	M592	ARCHES	60			Lbyy		N/A	N/A	Lateral
515	M593	ARCHES	60			Lbyy		N/A	N/A	Lateral
516	M594	ARCHES	60			Lbyy		N/A	N/A	Lateral
517	M595	ARCHES	60			Lbyy		N/A	N/A	Lateral
518	M596	ARCHES	60			Lbyy		N/A	N/A	Lateral
519	M597	ARCHES	60			Lbyy		N/A	N/A	Lateral
520	M598	ARCHES	60			Lbyy		N/A	N/A	Lateral
521	M599	ARCHES	60			Lbyy		N/A	N/A	Lateral
522	M600	ARCHES	60			Lbyy		N/A	N/A	Lateral
523	M601	ARCHES	60			Lbyy		N/A	N/A	Lateral
524	M602	ARCHES	60			Lbyy		N/A	N/A	Lateral
525	M603	ARCHES	60			Lbyy		N/A	N/A	Lateral
526	M604	ARCHES	60			Lbyy		N/A	N/A	Lateral
527	M605	ARCHES	60			Lbyy		N/A	N/A	Lateral
528	M606	ARCHES	60			Lbyy		N/A	N/A	Lateral
529	M607	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
530	M608	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
531	M609	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
532	M610	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
533	M611	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
534	M612	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
535	M613	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
536	M614	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
537	M615	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
538	M616	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
539	M617	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
540	M618	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
541	M619	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
542	M620	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
543	M621	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
544	M622	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
545	M623	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
546	M624	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
547	M625	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
548	M626	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
549	M627	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
550	M628	ARCHES	80.895			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
551	M629	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
552	M630	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
553	M631	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
554	M632	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
555	M633	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
556	M634	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
557	M635	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
558	M636	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
559	M637	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
560	M638	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
561	M639	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
562	M640	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
563	M641	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
564	M642	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
565	M643	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
566	M644	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
567	M645	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
568	M646	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
569	M647	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
570	M648	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
571	M649	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
572	M650	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
573	M651	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
574	M652	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
575	M653	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
576	M654	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
577	M655	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
578	M656	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
579	M657	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
580	M658	ARCHES	80.895			Lbyy		N/A	N/A	Lateral
581	M659	ARCHES	89.443			Lbyy		N/A	N/A	Lateral
582	M660	ARCHES	121.918			Lbyy		N/A	N/A	Lateral
583	M661	ARCHES	60			Lbyy		N/A	N/A	Lateral
584	M662	ARCHES	60			Lbyy		N/A	N/A	Lateral
585	M663	ARCHES	60			Lbyy		N/A	N/A	Lateral
586	M664	ARCHES	60			Lbyy		N/A	N/A	Lateral
587	M665	ARCHES	60			Lbyy		N/A	N/A	Lateral
588	M666	ARCHES	60			Lbyy		N/A	N/A	Lateral
589	M667	ARCHES	60			Lbyy		N/A	N/A	Lateral
590	M668	ARCHES	60			Lbyy		N/A	N/A	Lateral
591	M669	ARCHES	60			Lbyy		N/A	N/A	Lateral
592	M670	ARCHES	60			Lbyy		N/A	N/A	Lateral
593	M671	ARCHES	60			Lbyy		N/A	N/A	Lateral
594	M672	ARCHES	60			Lbyy		N/A	N/A	Lateral
595	M673	ARCHES	60			Lbyy		N/A	N/A	Lateral
596	M674	ARCHES	60			Lbyy		N/A	N/A	Lateral
597	M675	ARCHES	60			Lbyy		N/A	N/A	Lateral
598	M676	ARCHES	60			Lbyy		N/A	N/A	Lateral
599	M677	ARCHES	60			Lbyy		N/A	N/A	Lateral
600	M678	ARCHES	60			Lbyy		N/A	N/A	Lateral
601	M679	ARCHES	60			Lbyy		N/A	N/A	Lateral
602	M680	ARCHES	60			Lbyy		N/A	N/A	Lateral
603	M681	ARCHES	60			Lbyy		N/A	N/A	Lateral
604	M682	ARCHES	60			Lbyy		N/A	N/A	Lateral
605	M683	ARCHES	60			Lbyy		N/A	N/A	Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length [in]	Lb y-y [in]	Lb z-z [in]	Lcomp top [in]	Lcomp bot [in]	Channel Conn.	a [in]	Function
606	M684	ARCHES	60			Lbyy		N/A	N/A	Lateral
607	M685	ARCHES	60			Lbyy		N/A	N/A	Lateral
608	M686	ARCHES	60			Lbyy		N/A	N/A	Lateral
609	M687	ARCHES	60			Lbyy		N/A	N/A	Lateral
610	M688	ARCHES	60			Lbyy		N/A	N/A	Lateral
611	M689	ARCHES	60			Lbyy		N/A	N/A	Lateral
612	M690	ARCHES	60			Lbyy		N/A	N/A	Lateral
613	M691	ARCHES	60			Lbyy		N/A	N/A	Lateral
614	M692	ARCHES	60			Lbyy		N/A	N/A	Lateral
615	M693	ARCHES	60			Lbyy		N/A	N/A	Lateral
616	M694	ARCHES	60			Lbyy		N/A	N/A	Lateral
617	M695	ARCHES	60			Lbyy		N/A	N/A	Lateral
618	M696	ARCHES	60			Lbyy		N/A	N/A	Lateral
619	M697	ARCHES	60			Lbyy		N/A	N/A	Lateral
620	M698	ARCHES	60			Lbyy		N/A	N/A	Lateral
621	M699	ARCHES	60			Lbyy		N/A	N/A	Lateral
622	M700	ARCHES	60			Lbyy		N/A	N/A	Lateral
623	M701	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
624	M702	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
625	M703	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
626	M704	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
627	M705	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
628	M706	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
629	M707	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
630	M708	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
631	M709	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
632	M710	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
633	M711	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
634	M712	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
635	M713	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
636	M714	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
637	M715	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
638	M716	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
639	M717	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
640	M718	ARCHES	74.833			Lbyy		N/A	N/A	Lateral
641	M719	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
642	M720	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
643	M721	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
644	M722	ARCHES	72.36			Lbyy		N/A	N/A	Lateral
645	M723	ARCHES	85.534			Lbyy		N/A	N/A	Lateral
646	M724	ARCHES	74.833			Lbyy		N/A	N/A	Lateral

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Distributed	Area(Member)
1	DL	DL		-1			26
2	LL	LL					4
3	RLL	RLL					22
4	BSL	SL					22
5	USL1	SL					
6	USL2	SL					
7	WL1	WL					38
8	WL2	WL					38
9	WL3	WL					38
10	WL4	WL					38
11	WL5	WL					70

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Distributed	Area(Member)
12	WL6	WL					70
13	EX	EL	0.19				
14	EZ	EL			0.19		
15	R	RL					
16	WL7	WL					70
17	WL8	WL					70
18	BLC 1 Transient Area Loads	None				1710	
19	BLC 2 Transient Area Loads	None				496	
20	BLC 3 Transient Area Loads	None				1214	
21	BLC 4 Transient Area Loads	None				1204	
22	BLC 7 Transient Area Loads	None				1596	
23	BLC 8 Transient Area Loads	None				1596	
24	BLC 9 Transient Area Loads	None				1596	
25	BLC 10 Transient Area Loads	None				1596	
26	BLC 11 Transient Area Loads	None				1592	
27	BLC 12 Transient Area Loads	None				1592	
28	BLC 16 Transient Area Loads	None				1592	
29	BLC 17 Transient Area Loads	None				1592	

Member Area Loads (BLC 1 : DL)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N7	N8	Y	A-B	-3	-3	-3	-3	Yes
2	N2	N1	N3	N4	Y	A-B	-10	-10	-10	-10	Yes
3	N344	N338	N325	N158	Y	A-B	-3	-3	-3	-3	Yes
4	N342	N330	N343	N154	Y	A-B	-10	-10	-10	-10	Yes
5	N448	N447	N449	N450	Y	A-B	-3	-3	-3	-3	Yes
6	N298	N297	N445	N446	Y	A-B	-10	-10	-10	-10	Yes
7	N638	N632	N619	N592	Y	A-B	-3	-3	-3	-3	Yes
8	N636	N624	N637	N591	Y	A-B	-10	-10	-10	-10	Yes
9	N338	N344	N746	N742	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
10	N742	N746	N745	N743	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
11	N743	N745	N747	N739	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
12	N739	N747	N748	N741	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
13	N741	N748	N744	N740	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
14	N740	N744	N5	N6	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
15	N450	N449	N843	N839	Y	A-B	-2.12	-2.12	-2.12	-2.12	Yes
16	N839	N843	N833	N842	Y	A-B	-2.12	-2.12	-2.12	-2.12	Yes
17	N842	N833	N801	N796	Y	A-B	-2.12	-2.12	-2.12	-2.12	Yes
18	N796	N801	N800	N798	Y	A-B	-2.12	-2.12	-2.12	-2.12	Yes
19	N798	N800	N799	N797	Y	A-B	-2.12	-2.12	-2.12	-2.12	Yes
20	N797	N799	N158	N325	Y	A-B	-2.12	-2.12	-2.12	-2.12	Yes
21	N632	N638	N871	N863	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
22	N863	N871	N870	N864	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
23	N864	N870	N872	N860	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
24	N860	N872	N873	N862	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
25	N862	N873	N865	N861	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes
26	N861	N865	N447	N448	Y	A-B	-1.61	-1.61	-1.61	-1.61	Yes

Member Area Loads (BLC 2 : LL)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N2	N1	N3	N4	Y	A-B	-312.5	-312.5	-312.5	-312.5	Yes
2	N342	N330	N343	N154	Y	A-B	-312.5	-312.5	-312.5	-312.5	Yes
3	N298	N297	N445	N446	Y	A-B	-312.5	-312.5	-312.5	-312.5	Yes

Member Area Loads (BLC 2 : LL) (Continued)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
4	N636	N624	N637	N591	Y	A-B	-312.5	-312.5	-312.5	-312.5	Yes

Member Area Loads (BLC 3 : RLL)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N7	N8	Y	A-B	-12	-12	-12	-12	Yes
2	N344	N338	N325	N158	Y	A-B	-12	-12	-12	-12	Yes
3	N448	N447	N449	N450	Y	A-B	-12	-12	-12	-12	Yes
4	N638	N632	N619	N592	Y	A-B	-12	-12	-12	-12	Yes
5	N740	N744	N5	N6	Y	A-B	-5	-5	-5	-5	Yes
6	N741	N748	N744	N740	Y	A-B	-5	-5	-5	-5	Yes
7	N739	N747	N748	N741	Y	A-B	-5	-5	-5	-5	Yes
8	N739	N747	N745	N743	Y	A-B	-5	-5	-5	-5	Yes
9	N743	N745	N746	N742	Y	A-B	-5	-5	-5	-5	Yes
10	N742	N746	N344	N338	Y	A-B	-5	-5	-5	-5	Yes
11	N325	N158	N799	N797	Y	A-B	-5	-5	-5	-5	Yes
12	N797	N799	N800	N798	Y	A-B	-5	-5	-5	-5	Yes
13	N798	N800	N801	N796	Y	A-B	-5	-5	-5	-5	Yes
14	N796	N801	N833	N842	Y	A-B	-5	-5	-5	-5	Yes
15	N842	N833	N843	N839	Y	A-B	-5	-5	-5	-5	Yes
16	N839	N843	N449	N450	Y	A-B	-5	-5	-5	-5	Yes
17	N861	N865	N447	N448	Y	A-B	-5	-5	-5	-5	Yes
18	N862	N873	N865	N861	Y	A-B	-5	-5	-5	-5	Yes
19	N860	N872	N873	N862	Y	A-B	-5	-5	-5	-5	Yes
20	N860	N872	N870	N864	Y	A-B	-5	-5	-5	-5	Yes
21	N864	N870	N871	N863	Y	A-B	-5	-5	-5	-5	Yes
22	N863	N871	N638	N632	Y	A-B	-5	-5	-5	-5	Yes

Member Area Loads (BLC 4 : BSL)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N7	N8	Y	A-B	-5	-5	-5	-5	Yes
2	N344	N338	N325	N158	Y	A-B	-5	-5	-5	-5	Yes
3	N448	N447	N449	N450	Y	A-B	-5	-5	-5	-5	Yes
4	N638	N632	N619	N592	Y	A-B	-5	-5	-5	-5	Yes
5	N338	N344	N746	N742	Y	A-B	-5	-5	-5	-5	Yes
6	N743	N745	N746	N742	Y	A-B	-5	-5	-5	-5	Yes
7	N739	N747	N745	N743	Y	A-B	-5	-5	-5	-5	Yes
8	N739	N741	N748	N747	Y	A-B	-5	-5	-5	-5	Yes
9	N741	N748	N744	N740	Y	A-B	-5	-5	-5	-5	Yes
10	N740	N744	N5	N6	Y	A-B	-5	-5	-5	-5	Yes
11	N450	N449	N843	N839	Y	A-B	-5	-5	-5	-5	Yes
12	N839	N843	N833	N842	Y	A-B	-5	-5	-5	-5	Yes
13	N842	N833	N801	N796	Y	A-B	-5	-5	-5	-5	Yes
14	N796	N801	N800	N798	Y	A-B	-5	-5	-5	-5	Yes
15	N798	N800	N799	N797	Y	A-B	-5	-5	-5	-5	Yes
16	N797	N799	N158	N325	Y	A-B	-5	-5	-5	-5	Yes
17	N632	N638	N871	N863	Y	A-B	-5	-5	-5	-5	Yes
18	N864	N870	N871	N863	Y	A-B	-5	-5	-5	-5	Yes
19	N860	N872	N870	N864	Y	A-B	-5	-5	-5	-5	Yes
20	N860	N862	N873	N872	Y	A-B	-5	-5	-5	-5	Yes
21	N862	N873	N865	N861	Y	A-B	-5	-5	-5	-5	Yes
22	N861	N865	N447	N448	Y	A-B	-5	-5	-5	-5	Yes

Member Area Loads (BLC 7 : WL1)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N1	N2	Perp	A-B	-2.08	-2.08	-2.08	-2.08	Yes
2	N8	N7	N3	N4	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
3	N6	N8	N4	N2	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
4	N7	N3	N1	N5	Perp	B-C	18.32	18.32	18.32	18.32	Yes
5	N6	N8	N7	N5	Perp	A-B	26.48	26.48	26.48	26.48	Yes
6	N344	N338	N330	N342	Perp	A-B	15.6	15.6	15.6	15.6	Yes
7	N158	N325	N343	N154	Perp	A-B	2.08	2.08	2.08	2.08	Yes
8	N344	N158	N154	N342	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
9	N325	N343	N330	N338	Perp	B-C	18.32	18.32	18.32	18.32	Yes
10	N344	N158	N325	N338	Perp	A-B	20.12	20.12	20.12	20.12	Yes
11	N448	N447	N297	N298	Perp	A-B	-2.08	-2.08	-2.08	-2.08	Yes
12	N450	N449	N445	N446	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
13	N448	N450	N446	N298	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
14	N449	N445	N297	N447	Perp	B-C	18.32	18.32	18.32	18.32	Yes
15	N448	N450	N449	N447	Perp	A-B	26.48	26.48	26.48	26.48	Yes
16	N638	N632	N624	N636	Perp	A-B	15.6	15.6	15.6	15.6	Yes
17	N592	N619	N637	N591	Perp	A-B	2.08	2.08	2.08	2.08	Yes
18	N638	N592	N591	N636	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
19	N619	N637	N624	N632	Perp	B-C	18.32	18.32	18.32	18.32	Yes
20	N638	N592	N619	N632	Perp	A-B	26.48	26.48	26.48	26.48	Yes
21	N338	N344	N746	N742	Perp	A-B	10.824	10.824	10.824	10.824	Yes
22	N450	N449	N843	N839	Perp	A-B	10.824	10.824	10.824	10.824	Yes
23	N839	N843	N833	N842	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
24	N842	N833	N801	N796	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
25	N796	N801	N800	N798	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
26	N798	N800	N799	N797	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
27	N742	N746	N745	N743	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
28	N743	N745	N747	N739	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
29	N739	N747	N748	N741	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
30	N741	N748	N744	N740	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
31	N740	N744	N5	N6	Perp	A-B	2	2	2	2	Yes
32	N797	N799	N158	N325	Perp	A-B	2	2	2	2	Yes
33	N632	N638	N871	N863	Perp	A-B	10.824	10.824	10.824	10.824	Yes
34	N863	N871	N870	N864	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
35	N864	N870	N872	N860	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
36	N860	N872	N873	N862	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
37	N862	N873	N865	N861	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
38	N861	N865	N447	N448	Perp	A-B	2	2	2	2	Yes

Member Area Loads (BLC 8 : WL2)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N1	N2	Perp	A-B	-2.08	-2.08	-2.08	-2.08	Yes
2	N8	N7	N3	N4	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
3	N6	N8	N4	N2	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
4	N7	N3	N1	N5	Perp	B-C	18.32	18.32	18.32	18.32	Yes
5	N6	N8	N7	N5	Perp	A-B	11.25	11.25	11.25	11.25	Yes
6	N344	N338	N330	N342	Perp	A-B	15.6	15.6	15.6	15.6	Yes
7	N158	N325	N343	N154	Perp	A-B	2.08	2.08	2.08	2.08	Yes
8	N344	N158	N154	N342	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
9	N325	N343	N330	N338	Perp	B-C	18.32	18.32	18.32	18.32	Yes
10	N344	N158	N325	N338	Perp	A-B	11.25	11.25	11.25	11.25	Yes
11	N448	N447	N297	N298	Perp	A-B	-2.08	-2.08	-2.08	-2.08	Yes
12	N450	N449	N445	N446	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
13	N448	N450	N446	N298	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes

Member Area Loads (BLC 8 : WL2) (Continued)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
14	N449	N445	N297	N447	Perp	B-C	18.32	18.32	18.32	18.32	Yes
15	N448	N450	N449	N447	Perp	A-B	11.25	11.25	11.25	11.25	Yes
16	N638	N632	N624	N636	Perp	A-B	15.6	15.6	15.6	15.6	Yes
17	N592	N619	N637	N591	Perp	A-B	2.08	2.08	2.08	2.08	Yes
18	N638	N592	N591	N636	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
19	N619	N637	N624	N632	Perp	B-C	18.32	18.32	18.32	18.32	Yes
20	N638	N592	N619	N632	Perp	A-B	11.25	11.25	11.25	11.25	Yes
21	N338	N344	N746	N742	Perp	A-B	10.824	10.824	10.824	10.824	Yes
22	N450	N449	N843	N839	Perp	A-B	10.824	10.824	10.824	10.824	Yes
23	N839	N843	N833	N842	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
24	N842	N833	N801	N796	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
25	N796	N801	N800	N798	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
26	N798	N800	N799	N797	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
27	N742	N746	N745	N743	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
28	N743	N745	N747	N739	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
29	N739	N747	N748	N741	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
30	N741	N748	N744	N740	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
31	N740	N744	N5	N6	Perp	A-B	2	2	2	2	Yes
32	N797	N799	N158	N325	Perp	A-B	2	2	2	2	Yes
33	N632	N638	N871	N863	Perp	A-B	10.824	10.824	10.824	10.824	Yes
34	N863	N871	N870	N864	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
35	N864	N870	N872	N860	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
36	N860	N872	N873	N862	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
37	N862	N873	N865	N861	Perp	A-B	-4.8	-4.8	-4.8	-4.8	Yes
38	N861	N865	N447	N448	Perp	A-B	2	2	2	2	Yes

Member Area Loads (BLC 9 : WL3)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N1	N2	Perp	A-B	-19.68	-19.68	-19.68	-19.68	Yes
2	N8	N7	N3	N4	Perp	A-B	-2	-2	-2	-2	Yes
3	N6	N8	N4	N2	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
4	N7	N3	N1	N5	Perp	B-C	0.72	0.72	0.72	0.72	Yes
5	N6	N8	N7	N5	Perp	A-B	8.88	8.88	8.88	8.88	Yes
6	N344	N338	N330	N342	Perp	A-B	2	2	2	2	Yes
7	N158	N325	N343	N154	Perp	A-B	19.68	19.68	19.68	19.68	Yes
8	N344	N158	N154	N342	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
9	N325	N343	N330	N338	Perp	B-C	0.72	0.72	0.72	0.72	Yes
10	N344	N158	N325	N338	Perp	A-B	8.88	8.88	8.88	8.88	Yes
11	N448	N447	N297	N298	Perp	A-B	-19.68	-19.68	-19.68	-19.68	Yes
12	N450	N449	N445	N446	Perp	A-B	-2	-2	-2	-2	Yes
13	N448	N450	N446	N298	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
14	N449	N445	N297	N447	Perp	B-C	0.72	0.72	0.72	0.72	Yes
15	N448	N450	N449	N447	Perp	A-B	8.88	8.88	8.88	8.88	Yes
16	N638	N632	N624	N636	Perp	A-B	2	2	2	2	Yes
17	N592	N619	N637	N591	Perp	A-B	19.68	19.68	19.68	19.68	Yes
18	N638	N592	N591	N636	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
19	N619	N637	N624	N632	Perp	B-C	0.72	0.72	0.72	0.72	Yes
20	N638	N592	N619	N632	Perp	A-B	8.88	8.88	8.88	8.88	Yes
21	N338	N344	N746	N742	Perp	A-B	-6.83	-6.83	-6.83	-6.83	Yes
22	N450	N449	N843	N839	Perp	A-B	-6.83	-6.83	-6.83	-6.83	Yes
23	N839	N843	N833	N842	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
24	N842	N833	N801	N796	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
25	N796	N801	N800	N798	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
26	N798	N800	N799	N797	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
27	N742	N746	N745	N743	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes

Member Area Loads (BLC 9 : WL3) (Continued)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
28	N743	N745	N747	N739	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
29	N739	N747	N748	N741	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
30	N741	N748	N744	N740	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
31	N740	N744	N5	N6	Perp	A-B	-15.7	-15.7	-15.7	-15.7	Yes
32	N797	N799	N158	N325	Perp	A-B	-15.7	-15.7	-15.7	-15.7	Yes
33	N632	N638	N871	N863	Perp	A-B	-6.83	-6.83	-6.83	-6.83	Yes
34	N863	N871	N870	N864	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
35	N864	N870	N872	N860	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
36	N860	N872	N873	N862	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
37	N862	N873	N865	N861	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
38	N861	N865	N447	N448	Perp	A-B	-15.7	-15.7	-15.7	-15.7	Yes

Member Area Loads (BLC 10 : WL4)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N1	N2	Perp	A-B	-19.68	-19.68	-19.68	-19.68	Yes
2	N8	N7	N3	N4	Perp	A-B	2	2	2	2	Yes
3	N6	N8	N4	N2	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
4	N7	N3	N1	N5	Perp	B-C	0.72	0.72	0.72	0.72	Yes
5	N6	N8	N7	N5	Perp	A-B	-6.35	-6.35	-6.35	-6.35	Yes
6	N344	N338	N330	N342	Perp	A-B	-2	-2	-2	-2	Yes
7	N158	N325	N343	N154	Perp	A-B	19.68	19.68	19.68	19.68	Yes
8	N344	N158	N154	N342	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
9	N325	N343	N330	N338	Perp	B-C	0.72	0.72	0.72	0.72	Yes
10	N344	N158	N325	N338	Perp	A-B	-6.35	-6.35	-6.35	-6.35	Yes
11	N448	N447	N297	N298	Perp	A-B	-19.68	-19.68	-19.68	-19.68	Yes
12	N450	N449	N445	N446	Perp	A-B	2	2	2	2	Yes
13	N448	N450	N446	N298	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
14	N449	N445	N297	N447	Perp	B-C	0.72	0.72	0.72	0.72	Yes
15	N448	N450	N449	N447	Perp	A-B	-6.35	-6.35	-6.35	-6.35	Yes
16	N638	N632	N624	N636	Perp	A-B	-2	-2	-2	-2	Yes
17	N592	N619	N637	N591	Perp	A-B	19.68	19.68	19.68	19.68	Yes
18	N638	N592	N591	N636	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
19	N619	N637	N624	N632	Perp	B-C	0.72	0.72	0.72	0.72	Yes
20	N638	N592	N619	N632	Perp	A-B	-6.35	-6.35	-6.35	-6.35	Yes
21	N338	N344	N746	N742	Perp	A-B	-6.83	-6.83	-6.83	-6.83	Yes
22	N450	N449	N843	N839	Perp	A-B	-6.83	-6.83	-6.83	-6.83	Yes
23	N839	N843	N833	N842	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
24	N842	N833	N801	N796	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
25	N796	N801	N800	N798	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
26	N798	N800	N799	N797	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
27	N742	N746	N745	N743	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
28	N743	N745	N747	N739	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
29	N739	N747	N748	N741	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
30	N741	N748	N744	N740	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
31	N740	N744	N5	N6	Perp	A-B	-15.7	-15.7	-15.7	-15.7	Yes
32	N797	N799	N158	N325	Perp	A-B	-15.7	-15.7	-15.7	-15.7	Yes
33	N632	N638	N871	N863	Perp	A-B	-6.83	-6.83	-6.83	-6.83	Yes
34	N863	N871	N870	N864	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
35	N864	N870	N872	N860	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
36	N860	N872	N873	N862	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
37	N862	N873	N865	N861	Perp	A-B	-22.45	-22.45	-22.45	-22.45	Yes
38	N861	N865	N447	N448	Perp	A-B	-15.7	-15.7	-15.7	-15.7	Yes

Member Area Loads (BLC 11 : WL5)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N1	N2	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
2	N8	N7	N3	N4	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
3	N6	N8	N4	N2	Perp	A-B	2.08	2.08	2.08	2.08	Yes
4	N7	N3	N1	N5	Perp	B-C	15.6	15.6	15.6	15.6	Yes
5	N6	N8	N7	N5	Perp	A-B	21.04	21.04	21.04	21.04	Yes
6	N344	N158	N154	N342	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
7	N325	N343	N330	N338	Perp	B-C	-2.08	-2.08	-2.08	-2.08	Yes
8	N344	N158	N325	N338	Perp	A-B	21.04	21.04	21.04	21.04	Yes
9	N448	N450	N446	N298	Perp	A-B	2.08	2.08	2.08	2.08	Yes
10	N449	N445	N297	N447	Perp	B-C	15.6	15.6	15.6	15.6	Yes
11	N448	N450	N449	N447	Perp	A-B	21.04	21.04	21.04	21.04	Yes
12	N638	N632	N624	N636	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
13	N592	N619	N637	N591	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
14	N638	N592	N591	N636	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
15	N619	N637	N624	N632	Perp	B-C	-2.08	-2.08	-2.08	-2.08	Yes
16	N638	N592	N619	N632	Perp	A-B	21.04	21.04	21.04	21.04	Yes
17	N740	N757	N761	N6	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
18	N741	N758	N757	N740	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
19	N739	N756	N758	N741	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
20	N743	N760	N756	N739	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
21	N742	N759	N760	N743	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
22	N338	N762	N759	N742	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
23	N450	N856	N846	N839	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
24	N839	N846	N847	N842	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
25	N842	N847	N808	N796	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
26	N796	N808	N807	N798	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
27	N798	N807	N806	N797	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
28	N797	N806	N874	N325	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
29	N757	N771	N40	N761	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
30	N758	N772	N771	N757	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
31	N756	N770	N772	N758	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
32	N760	N774	N770	N756	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
33	N759	N773	N774	N760	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
34	N762	N370	N773	N759	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
35	N856	N479	N834	N846	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
36	N846	N834	N838	N847	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
37	N847	N838	N817	N808	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
38	N808	N817	N815	N807	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
39	N807	N815	N814	N806	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
40	N806	N814	N369	N874	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
41	N771	N744	N5	N40	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
42	N772	N748	N744	N771	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
43	N770	N747	N748	N772	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
44	N774	N745	N747	N770	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
45	N773	N746	N745	N774	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
46	N370	N344	N746	N773	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
47	N479	N449	N843	N834	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
48	N834	N843	N833	N838	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
49	N838	N833	N801	N817	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
50	N817	N801	N800	N815	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
51	N815	N800	N799	N814	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
52	N814	N799	N158	N369	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
53	N861	N884	N888	N448	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
54	N862	N885	N884	N861	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
55	N860	N883	N885	N862	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes

Member Area Loads (BLC 11 : WL5) (Continued)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
56	N864	N887	N883	N860	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
57	N863	N886	N887	N864	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
58	N632	N889	N886	N863	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
59	N884	N898	N480	N888	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
60	N885	N899	N898	N884	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
61	N883	N897	N899	N885	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
62	N887	N901	N897	N883	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
63	N886	N900	N901	N887	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
64	N889	N664	N900	N886	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
65	N898	N865	N447	N480	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
66	N899	N873	N865	N898	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
67	N897	N872	N873	N899	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
68	N901	N870	N872	N897	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
69	N900	N871	N870	N901	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
70	N664	N638	N871	N900	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes

Member Area Loads (BLC 12 : WL6)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N1	N2	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
2	N8	N7	N3	N4	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
3	N6	N8	N4	N2	Perp	A-B	2.08	2.08	2.08	2.08	Yes
4	N7	N3	N1	N5	Perp	B-C	15.6	15.6	15.6	15.6	Yes
5	N6	N8	N7	N5	Perp	A-B	11.25	11.25	11.25	11.25	Yes
6	N344	N158	N154	N342	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
7	N325	N343	N330	N338	Perp	B-C	-2.08	-2.08	-2.08	-2.08	Yes
8	N344	N158	N325	N338	Perp	A-B	11.25	11.25	11.25	11.25	Yes
9	N448	N450	N446	N298	Perp	A-B	2.08	2.08	2.08	2.08	Yes
10	N449	N445	N297	N447	Perp	B-C	15.6	15.6	15.6	15.6	Yes
11	N448	N450	N449	N447	Perp	A-B	11.25	11.25	11.25	11.25	Yes
12	N638	N632	N624	N636	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
13	N592	N619	N637	N591	Perp	A-B	-18.32	-18.32	-18.32	-18.32	Yes
14	N638	N592	N591	N636	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
15	N619	N637	N624	N632	Perp	B-C	-2.08	-2.08	-2.08	-2.08	Yes
16	N638	N592	N619	N632	Perp	A-B	11.25	11.25	11.25	11.25	Yes
17	N740	N757	N761	N6	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
18	N741	N758	N757	N740	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
19	N739	N756	N758	N741	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
20	N743	N760	N756	N739	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
21	N742	N759	N760	N743	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
22	N338	N762	N759	N742	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
23	N450	N856	N846	N839	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
24	N839	N846	N847	N842	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
25	N842	N847	N808	N796	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
26	N796	N808	N807	N798	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
27	N798	N807	N806	N797	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
28	N797	N806	N874	N325	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
29	N757	N771	N40	N761	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
30	N758	N772	N771	N757	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
31	N756	N770	N772	N758	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
32	N760	N774	N770	N756	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
33	N759	N773	N774	N760	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
34	N762	N370	N773	N759	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
35	N856	N479	N834	N846	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
36	N846	N834	N838	N847	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
37	N847	N838	N817	N808	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes

Member Area Loads (BLC 12 : WL6) (Continued)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
38	N808	N817	N815	N807	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
39	N807	N815	N814	N806	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
40	N806	N814	N369	N874	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
41	N771	N744	N5	N40	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
42	N772	N748	N744	N771	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
43	N770	N747	N748	N772	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
44	N774	N745	N747	N770	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
45	N773	N746	N745	N774	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
46	N370	N344	N746	N773	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
47	N479	N449	N843	N834	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
48	N834	N843	N833	N838	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
49	N838	N833	N801	N817	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
50	N817	N801	N800	N815	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
51	N815	N800	N799	N814	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
52	N814	N799	N158	N369	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
53	N861	N884	N888	N448	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
54	N862	N885	N884	N861	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
55	N860	N883	N885	N862	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
56	N864	N887	N883	N860	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
57	N863	N886	N887	N864	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
58	N632	N889	N886	N863	Perp	A-B	-21.1	-21.1	-21.1	-21.1	Yes
59	N884	N898	N480	N888	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
60	N885	N899	N898	N884	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
61	N883	N897	N899	N885	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
62	N887	N901	N897	N883	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
63	N886	N900	N901	N887	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
64	N889	N664	N900	N886	Perp	A-B	-15.6	-15.6	-15.6	-15.6	Yes
65	N898	N865	N447	N480	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
66	N899	N873	N865	N898	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
67	N897	N872	N873	N899	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
68	N901	N870	N872	N897	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
69	N900	N871	N870	N901	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes
70	N664	N638	N871	N900	Perp	A-B	-12.9	-12.9	-12.9	-12.9	Yes

Member Area Loads (BLC 16 : WL7)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N1	N2	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
2	N8	N7	N3	N4	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
3	N6	N8	N4	N2	Perp	A-B	19.7	19.7	19.7	19.7	Yes
4	N7	N3	N1	N5	Perp	B-C	-2	-2	-2	-2	Yes
5	N6	N8	N7	N5	Perp	A-B	3.44	3.44	3.44	3.44	Yes
6	N344	N158	N154	N342	Perp	A-B	2	2	2	2	Yes
7	N325	N343	N330	N338	Perp	B-C	-19.7	-19.7	-19.7	-19.7	Yes
8	N344	N158	N325	N338	Perp	A-B	3.44	3.44	3.44	3.44	Yes
9	N448	N450	N446	N298	Perp	A-B	19.7	19.7	19.7	19.7	Yes
10	N449	N445	N297	N447	Perp	B-C	-2	-2	-2	-2	Yes
11	N448	N450	N449	N447	Perp	A-B	3.44	3.44	3.44	3.44	Yes
12	N638	N632	N624	N636	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
13	N592	N619	N637	N591	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
14	N638	N592	N591	N636	Perp	A-B	2	2	2	2	Yes
15	N619	N637	N624	N632	Perp	B-C	-19.7	-19.7	-19.7	-19.7	Yes
16	N638	N592	N619	N632	Perp	A-B	3.44	3.44	3.44	3.44	Yes
17	N740	N757	N761	N6	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
18	N741	N758	N757	N740	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
19	N739	N756	N758	N741	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes

Member Area Loads (BLC 16 : WL7) (Continued)

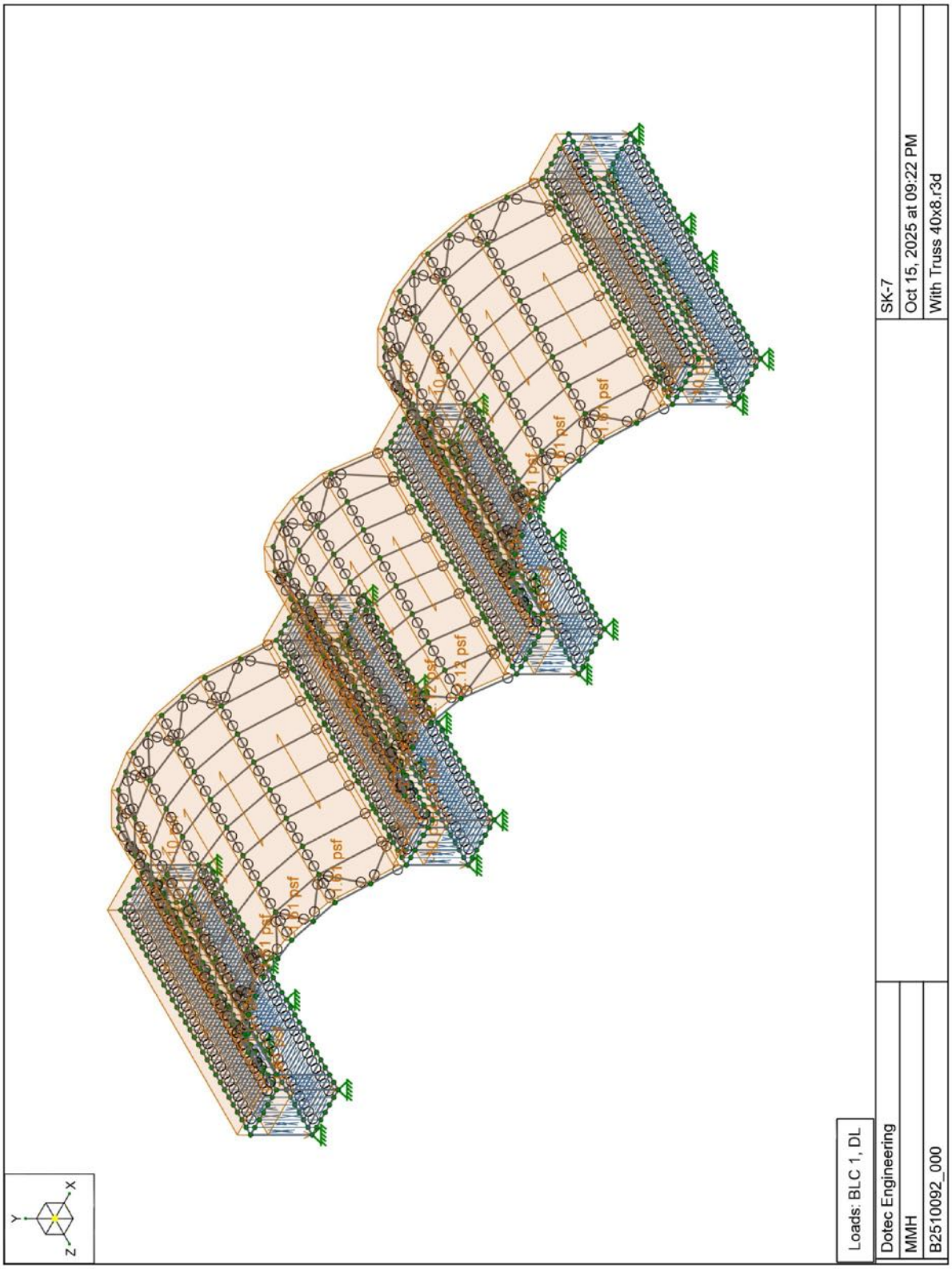
	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
20	N743	N760	N756	N739	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
21	N742	N759	N760	N743	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
22	N338	N762	N759	N742	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
23	N450	N856	N846	N839	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
24	N839	N846	N847	N842	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
25	N842	N847	N808	N796	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
26	N796	N808	N807	N798	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
27	N798	N807	N806	N797	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
28	N797	N806	N874	N325	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
29	N757	N771	N40	N761	Perp	A-B	2	2	2	2	Yes
30	N758	N772	N771	N757	Perp	A-B	2	2	2	2	Yes
31	N756	N770	N772	N758	Perp	A-B	2	2	2	2	Yes
32	N760	N774	N770	N756	Perp	A-B	2	2	2	2	Yes
33	N759	N773	N774	N760	Perp	A-B	2	2	2	2	Yes
34	N762	N370	N773	N759	Perp	A-B	2	2	2	2	Yes
35	N856	N479	N834	N846	Perp	A-B	2	2	2	2	Yes
36	N846	N834	N838	N847	Perp	A-B	2	2	2	2	Yes
37	N847	N838	N817	N808	Perp	A-B	2	2	2	2	Yes
38	N808	N817	N815	N807	Perp	A-B	2	2	2	2	Yes
39	N807	N815	N814	N806	Perp	A-B	2	2	2	2	Yes
40	N806	N814	N369	N874	Perp	A-B	2	2	2	2	Yes
41	N771	N744	N5	N40	Perp	A-B	4.8	4.8	4.8	4.8	Yes
42	N772	N748	N744	N771	Perp	A-B	4.8	4.8	4.8	4.8	Yes
43	N770	N747	N748	N772	Perp	A-B	4.8	4.8	4.8	4.8	Yes
44	N774	N745	N747	N770	Perp	A-B	4.8	4.8	4.8	4.8	Yes
45	N773	N746	N745	N774	Perp	A-B	4.8	4.8	4.8	4.8	Yes
46	N370	N344	N746	N773	Perp	A-B	4.8	4.8	4.8	4.8	Yes
47	N479	N449	N843	N834	Perp	A-B	4.8	4.8	4.8	4.8	Yes
48	N834	N843	N833	N838	Perp	A-B	4.8	4.8	4.8	4.8	Yes
49	N838	N833	N801	N817	Perp	A-B	4.8	4.8	4.8	4.8	Yes
50	N817	N801	N800	N815	Perp	A-B	4.8	4.8	4.8	4.8	Yes
51	N815	N800	N799	N814	Perp	A-B	4.8	4.8	4.8	4.8	Yes
52	N814	N799	N158	N369	Perp	A-B	4.8	4.8	4.8	4.8	Yes
53	N861	N884	N888	N448	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
54	N862	N885	N884	N861	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
55	N860	N883	N885	N862	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
56	N864	N887	N883	N860	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
57	N863	N886	N887	N864	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
58	N632	N889	N886	N863	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
59	N884	N898	N480	N888	Perp	A-B	2	2	2	2	Yes
60	N885	N899	N898	N884	Perp	A-B	2	2	2	2	Yes
61	N883	N897	N899	N885	Perp	A-B	2	2	2	2	Yes
62	N887	N901	N897	N883	Perp	A-B	2	2	2	2	Yes
63	N886	N900	N901	N887	Perp	A-B	2	2	2	2	Yes
64	N889	N664	N900	N886	Perp	A-B	2	2	2	2	Yes
65	N898	N865	N447	N480	Perp	A-B	4.8	4.8	4.8	4.8	Yes
66	N899	N873	N865	N898	Perp	A-B	4.8	4.8	4.8	4.8	Yes
67	N897	N872	N873	N899	Perp	A-B	4.8	4.8	4.8	4.8	Yes
68	N901	N870	N872	N897	Perp	A-B	4.8	4.8	4.8	4.8	Yes
69	N900	N871	N870	N901	Perp	A-B	4.8	4.8	4.8	4.8	Yes
70	N664	N638	N871	N900	Perp	A-B	4.8	4.8	4.8	4.8	Yes

Member Area Loads (BLC 17 : WL8)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
1	N6	N5	N1	N2	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
2	N8	N7	N3	N4	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
3	N6	N8	N4	N2	Perp	A-B	19.7	19.7	19.7	19.7	Yes
4	N7	N3	N1	N5	Perp	B-C	-2	-2	-2	-2	Yes
5	N6	N8	N7	N5	Perp	A-B	-6.35	-6.35	-6.35	-6.35	Yes
6	N344	N158	N154	N342	Perp	A-B	2	2	2	2	Yes
7	N325	N343	N330	N338	Perp	B-C	-19.7	-19.7	-19.7	-19.7	Yes
8	N344	N158	N325	N338	Perp	A-B	-6.35	-6.35	-6.35	-6.35	Yes
9	N448	N450	N446	N298	Perp	A-B	19.7	19.7	19.7	19.7	Yes
10	N449	N445	N297	N447	Perp	B-C	-2	-2	-2	-2	Yes
11	N448	N450	N449	N447	Perp	A-B	-6.35	-6.35	-6.35	-6.35	Yes
12	N638	N632	N624	N636	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
13	N592	N619	N637	N591	Perp	A-B	-0.72	-0.72	-0.72	-0.72	Yes
14	N638	N592	N591	N636	Perp	A-B	2	2	2	2	Yes
15	N619	N637	N624	N632	Perp	B-C	-19.7	-19.7	-19.7	-19.7	Yes
16	N638	N592	N619	N632	Perp	A-B	-6.35	-6.35	-6.35	-6.35	Yes
17	N740	N757	N761	N6	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
18	N741	N758	N757	N740	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
19	N739	N756	N758	N741	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
20	N743	N760	N756	N739	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
21	N742	N759	N760	N743	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
22	N338	N762	N759	N742	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
23	N450	N856	N846	N839	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
24	N839	N846	N847	N842	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
25	N842	N847	N808	N796	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
26	N796	N808	N807	N798	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
27	N798	N807	N806	N797	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
28	N797	N806	N874	N325	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
29	N757	N771	N40	N761	Perp	A-B	2	2	2	2	Yes
30	N758	N772	N771	N757	Perp	A-B	2	2	2	2	Yes
31	N756	N770	N772	N758	Perp	A-B	2	2	2	2	Yes
32	N760	N774	N770	N756	Perp	A-B	2	2	2	2	Yes
33	N759	N773	N774	N760	Perp	A-B	2	2	2	2	Yes
34	N762	N370	N773	N759	Perp	A-B	2	2	2	2	Yes
35	N856	N479	N834	N846	Perp	A-B	2	2	2	2	Yes
36	N846	N834	N838	N847	Perp	A-B	2	2	2	2	Yes
37	N847	N838	N817	N808	Perp	A-B	2	2	2	2	Yes
38	N808	N817	N815	N807	Perp	A-B	2	2	2	2	Yes
39	N807	N815	N814	N806	Perp	A-B	2	2	2	2	Yes
40	N806	N814	N369	N874	Perp	A-B	2	2	2	2	Yes
41	N771	N744	N5	N40	Perp	A-B	4.8	4.8	4.8	4.8	Yes
42	N772	N748	N744	N771	Perp	A-B	4.8	4.8	4.8	4.8	Yes
43	N770	N747	N748	N772	Perp	A-B	4.8	4.8	4.8	4.8	Yes
44	N774	N745	N747	N770	Perp	A-B	4.8	4.8	4.8	4.8	Yes
45	N773	N746	N745	N774	Perp	A-B	4.8	4.8	4.8	4.8	Yes
46	N370	N344	N746	N773	Perp	A-B	4.8	4.8	4.8	4.8	Yes
47	N479	N449	N843	N834	Perp	A-B	4.8	4.8	4.8	4.8	Yes
48	N834	N843	N833	N838	Perp	A-B	4.8	4.8	4.8	4.8	Yes
49	N838	N833	N801	N817	Perp	A-B	4.8	4.8	4.8	4.8	Yes
50	N817	N801	N800	N815	Perp	A-B	4.8	4.8	4.8	4.8	Yes
51	N815	N800	N799	N814	Perp	A-B	4.8	4.8	4.8	4.8	Yes
52	N814	N799	N158	N369	Perp	A-B	4.8	4.8	4.8	4.8	Yes
53	N861	N884	N888	N448	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
54	N862	N885	N884	N861	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
55	N860	N883	N885	N862	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes

Member Area Loads (BLC 17 : WL8) (Continued)

	Node A	Node B	Node C	Node D	Direction	Load Direction	A Magnitude [psf]	B Magnitude [psf]	C Magnitude [psf]	D Magnitude [psf]	Exclude Braces
56	N864	N887	N883	N860	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
57	N863	N886	N887	N864	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
58	N632	N889	N886	N863	Perp	A-B	-3.5	-3.5	-3.5	-3.5	Yes
59	N884	N898	N480	N888	Perp	A-B	2	2	2	2	Yes
60	N885	N899	N898	N884	Perp	A-B	2	2	2	2	Yes
61	N883	N897	N899	N885	Perp	A-B	2	2	2	2	Yes
62	N887	N901	N897	N883	Perp	A-B	2	2	2	2	Yes
63	N886	N900	N901	N887	Perp	A-B	2	2	2	2	Yes
64	N889	N664	N900	N886	Perp	A-B	2	2	2	2	Yes
65	N898	N865	N447	N480	Perp	A-B	4.8	4.8	4.8	4.8	Yes
66	N899	N873	N865	N898	Perp	A-B	4.8	4.8	4.8	4.8	Yes
67	N897	N872	N873	N899	Perp	A-B	4.8	4.8	4.8	4.8	Yes
68	N901	N870	N872	N897	Perp	A-B	4.8	4.8	4.8	4.8	Yes
69	N900	N871	N870	N901	Perp	A-B	4.8	4.8	4.8	4.8	Yes
70	N664	N638	N871	N900	Perp	A-B	4.8	4.8	4.8	4.8	Yes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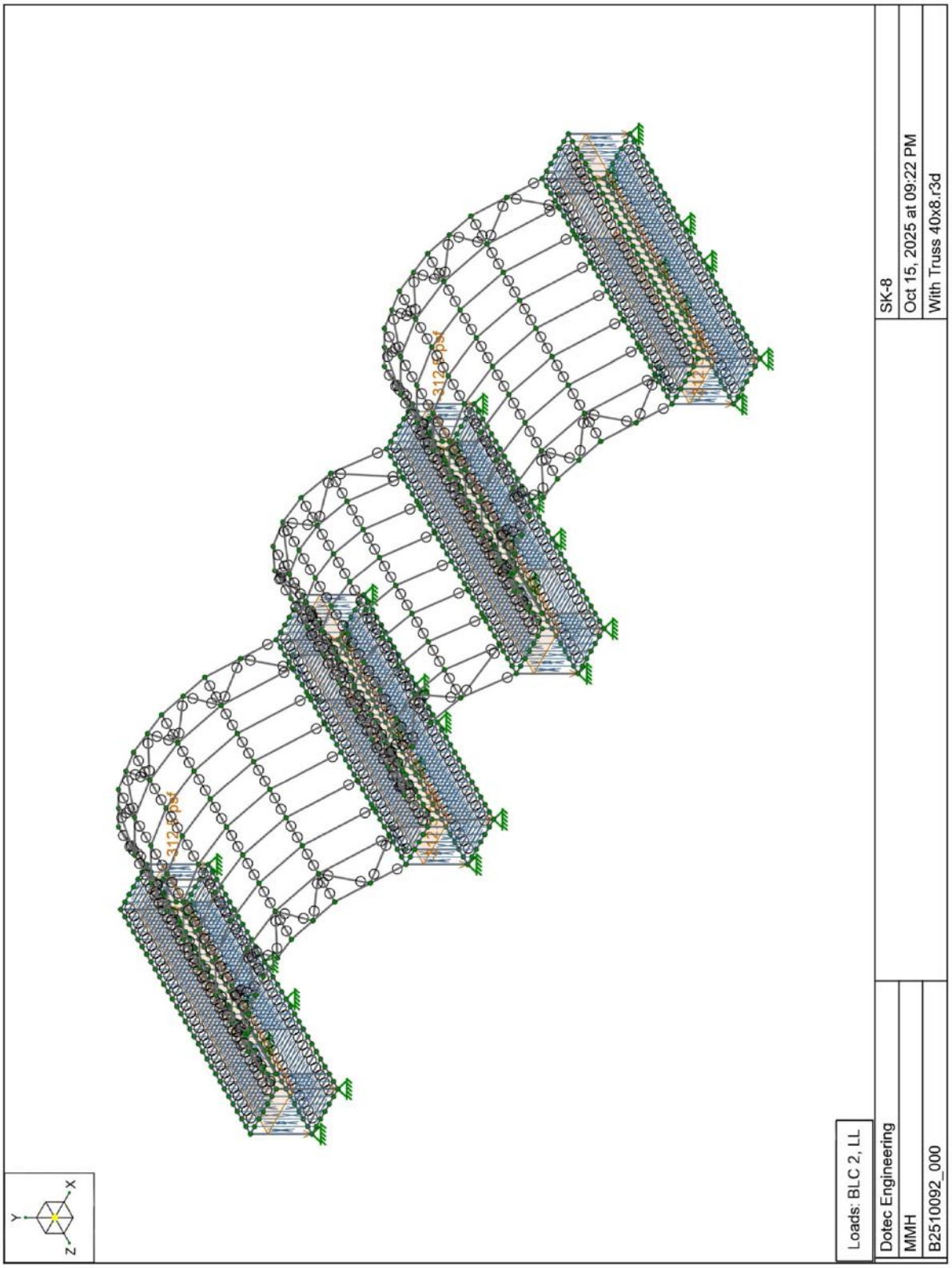
Dotec Engineering
MMH
B2510092_000
SK-7
Oct 15, 2025 at 09:22 PM
With Truss 40x8.r3d
X
Y
Z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Loads: BLC 2, LL
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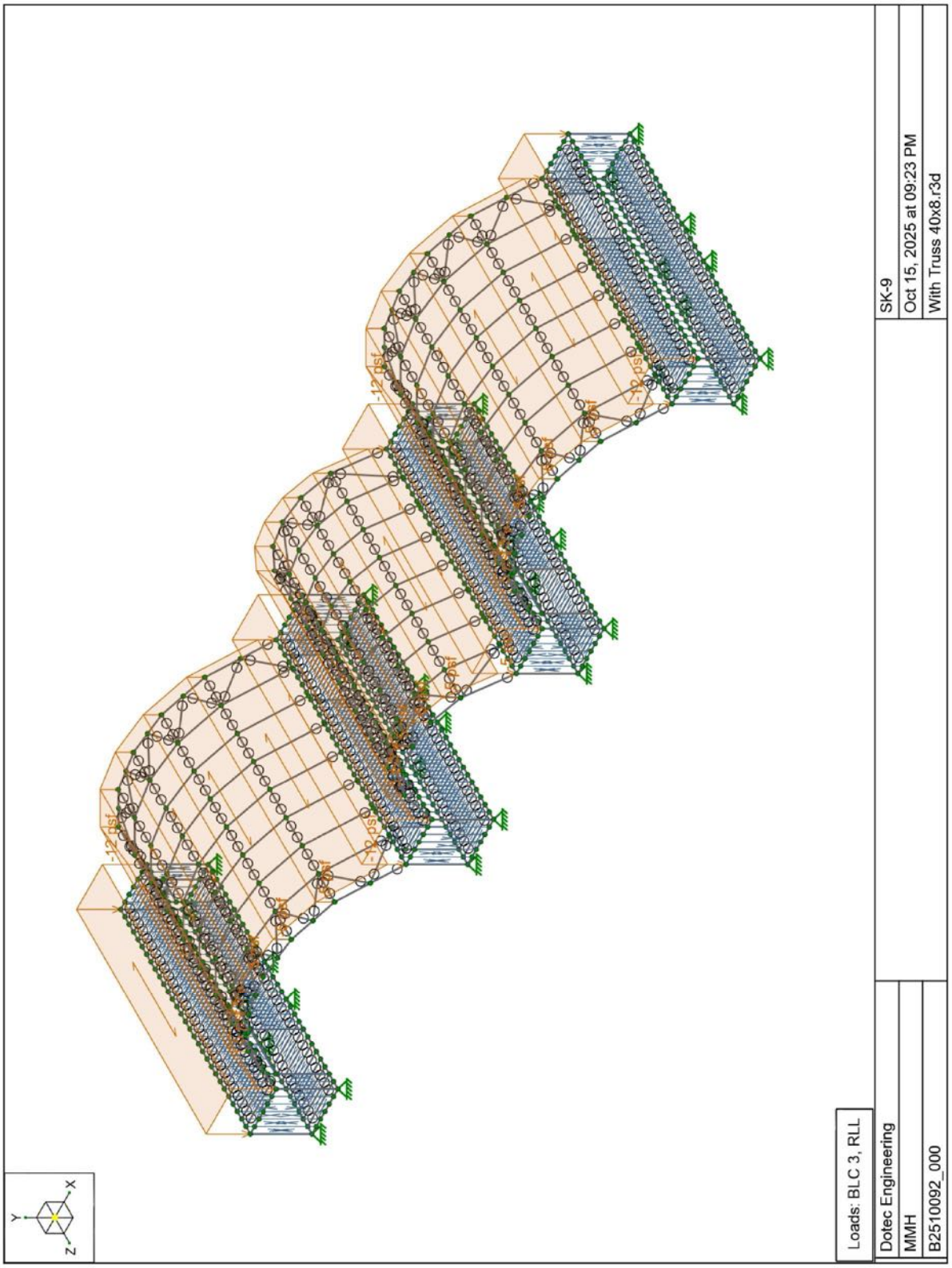
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Dotec Engineering
MMH
B2510092_000
SK-9
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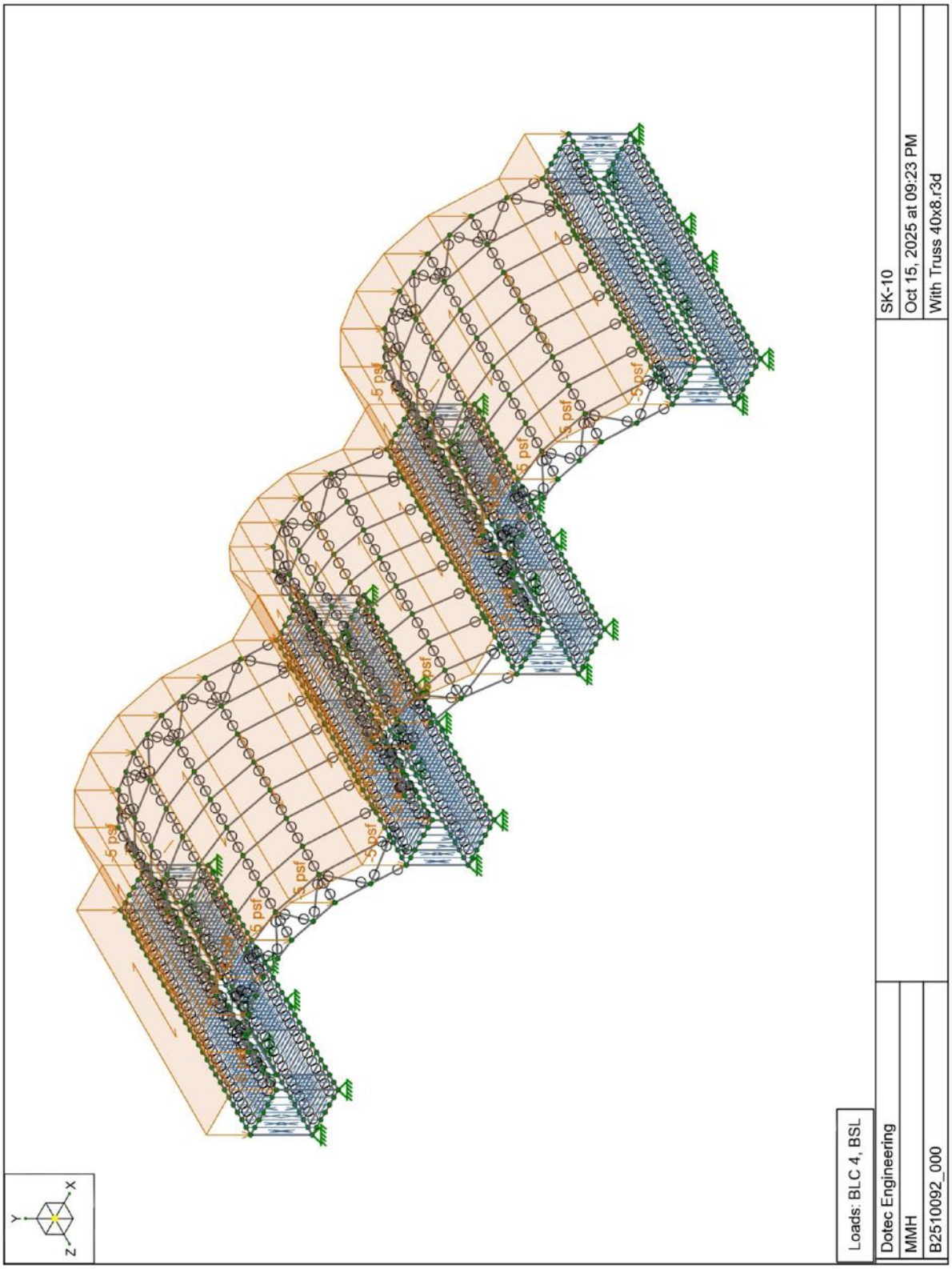
X
Y
Z


-5 psf
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SK-10
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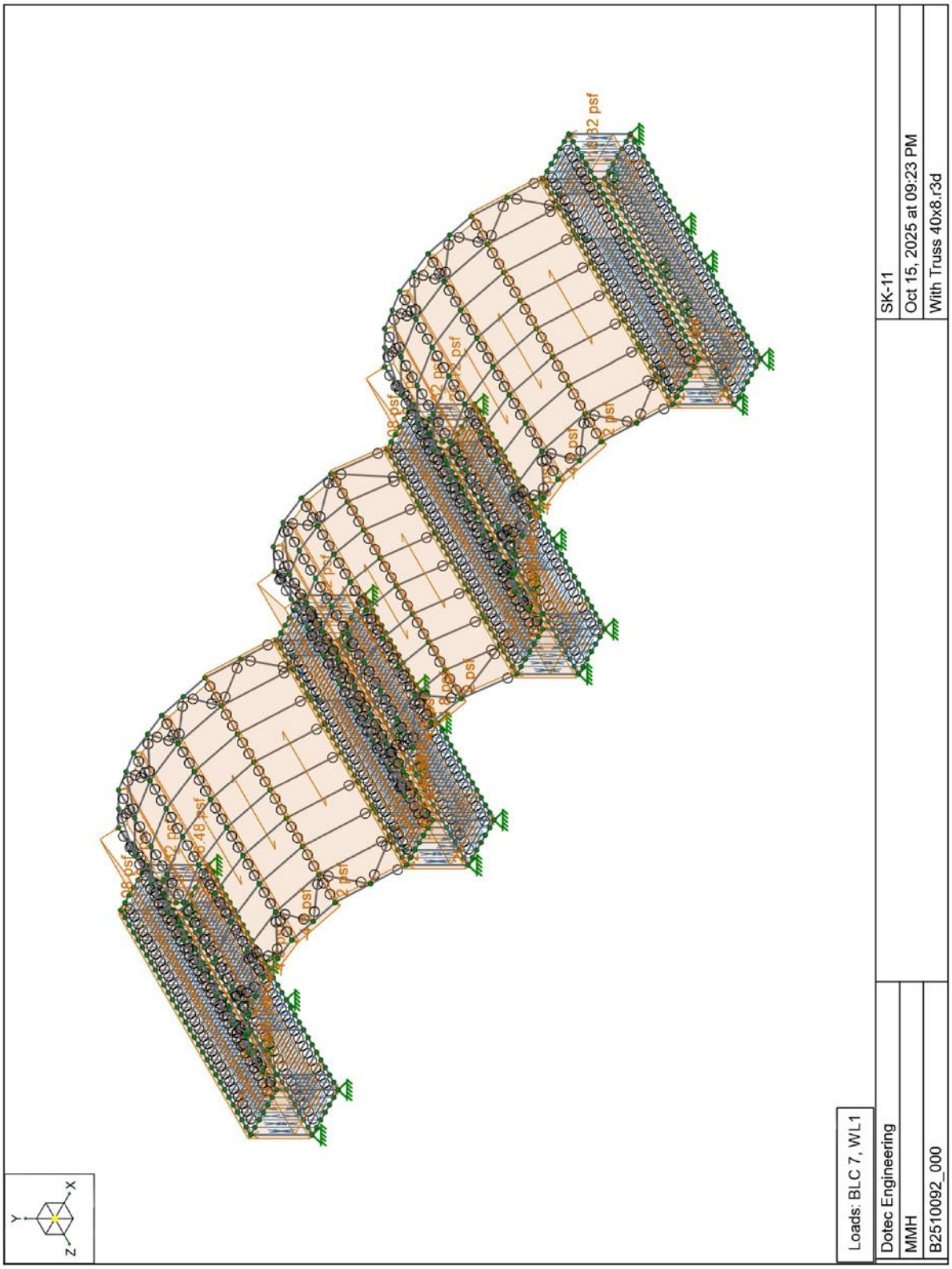
With Truss 40x8.r3d
Dotec Engineering
MMH
B2510092_000
X
Y
Z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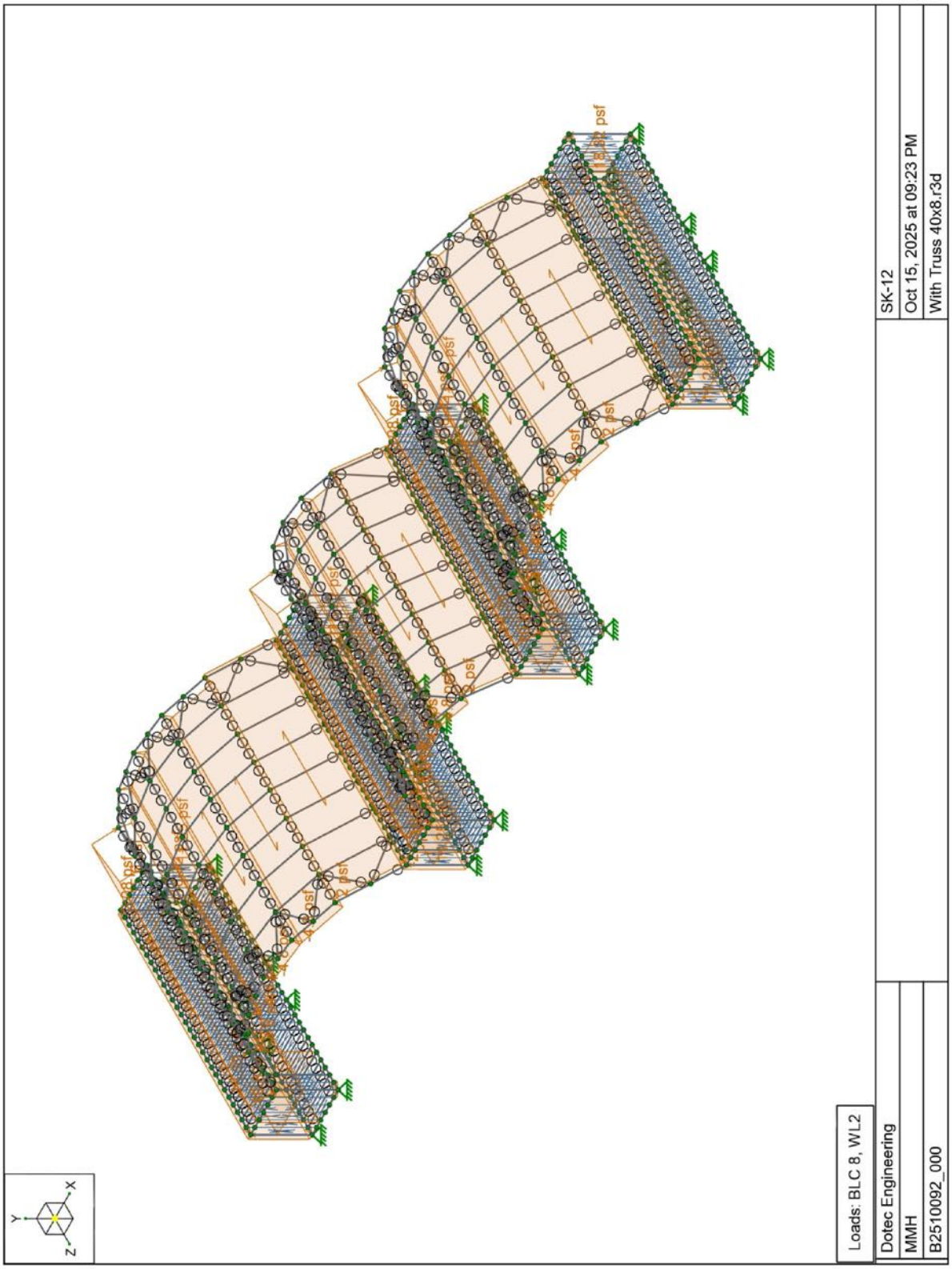
Dotec Engineering
MMH
B2510092_000
SK-11
Oct 15, 2025 at 09:23 PM
With Truss 40x8.r3d
X
Y
Z


Loads: BLC 8, WL2
Dotec Engineering
MMH
B2510092_000
SK-12
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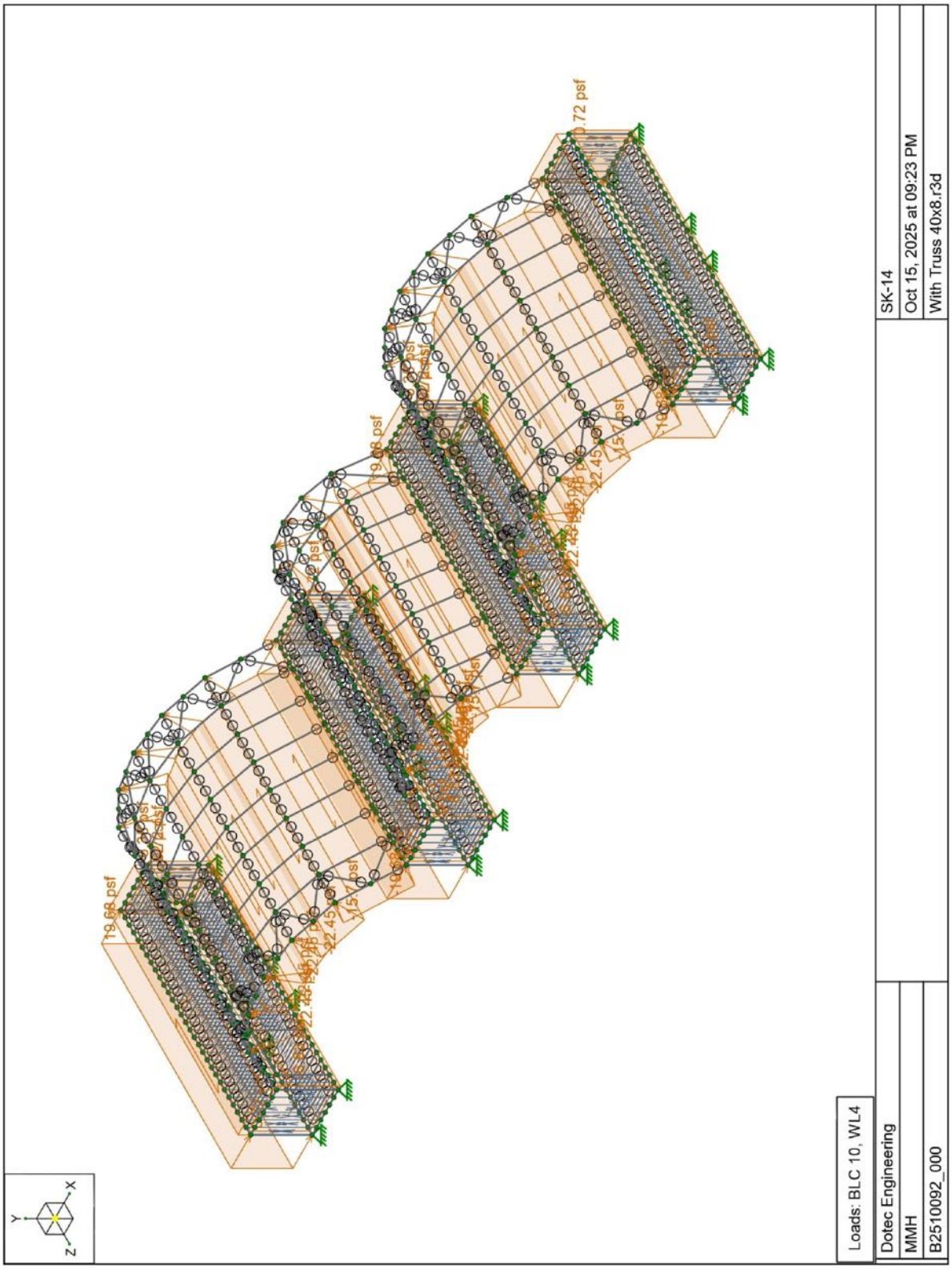
With Truss 40x8.r3d
X
Y
Z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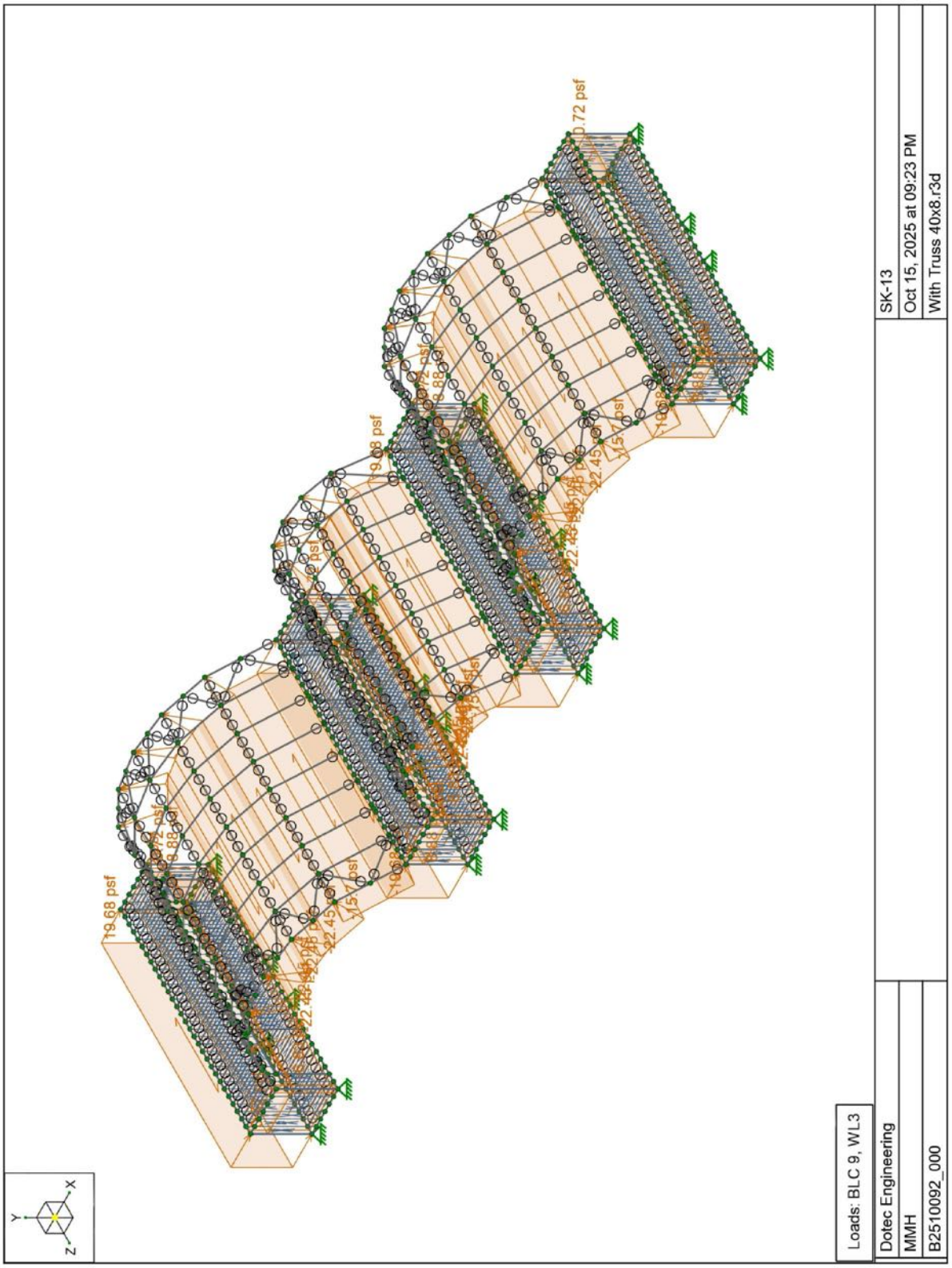
With Truss 40x8.r3d
Loads: BLC 10, WL4
Dotec Engineering
MMH
B2510092_000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9.68 psf
10.72 psf
Loads: BLC 9, WL3
Dotec Engineering
MMH
B2510092_000
SK-13
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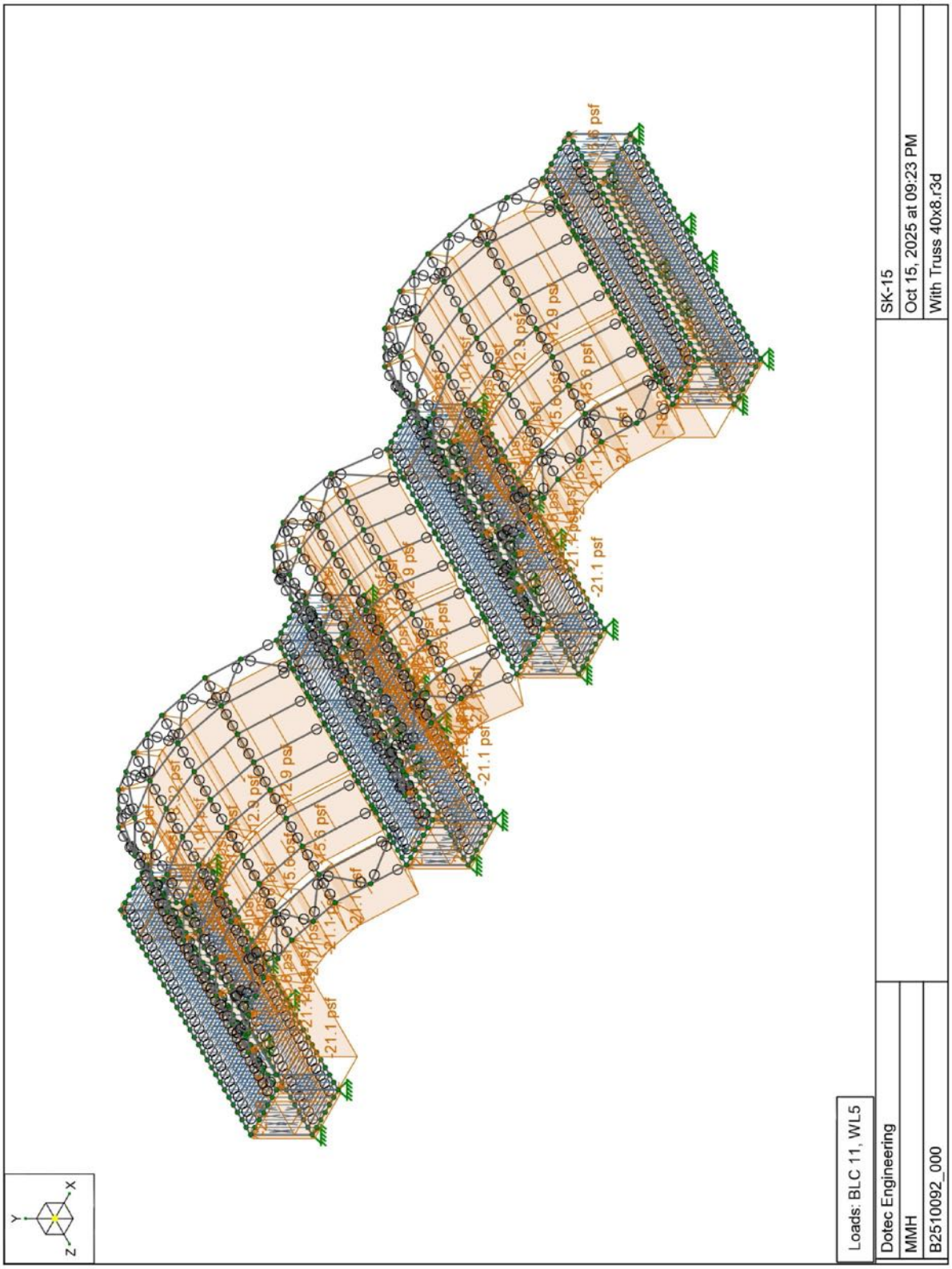
With Truss 40x8.r3d
X
Y
Z


Loads: BLC 11, WL5
Dotec Engineering
MMH
B2510092_000
SK-15
Oct 15, 2025 at 09:23 PM
With Truss 40x8.r3d
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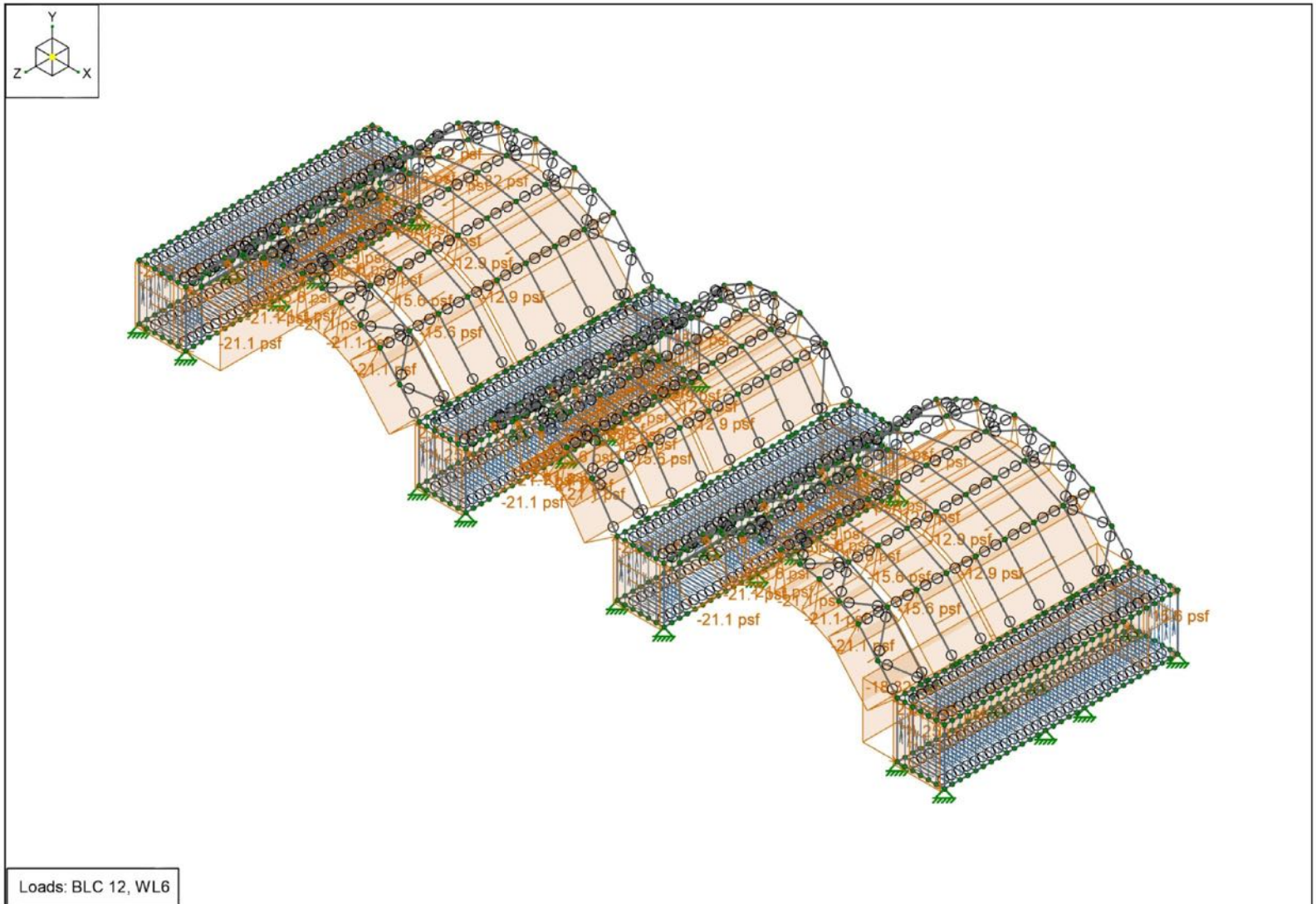
X
Y
Z



Loads: BLC 12, WL6

Dotec Engineering		SK-16
MMH		Oct 15, 2025 at 09:23 PM
B2510092_000		With Truss 40x8.r3d

Load Combinations

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
1	1	Yes	Y	DL	1						
2	2	Yes	Y	DL	1	LL	1				
3	3	Yes	Y	DL	1	3	1				
4	4	Yes	Y	DL	1	4	1				
5	5	Yes	Y	DL	1	5	1				
6	6	Yes	Y	DL	1	6	1				
7	7	Yes	Y	DL	1	15	1				
8	8	Yes	Y	DL	1	LL	0.75	3	0.75		
9	9	Yes	Y	DL	1	LL	0.75	4	0.75		
10	10	Yes	Y	DL	1	LL	0.75	5	0.75		
11	11	Yes	Y	DL	1	LL	0.75	6	0.75		
12	12	Yes	Y	DL	1	LL	0.75	15	0.75		
13	13	Yes	Y	DL	1	7	0.6				
14	14	Yes	Y	DL	1	8	0.6				
15	15	Yes	Y	DL	1	9	0.6				
16	16	Yes	Y	DL	1	10	0.6				
17	17	Yes	Y	DL	1	11	0.6				
18	18	Yes	Y	DL	1	12	0.6				
19	19	Yes	Y	DL	1	LL	0.75	7	0.45	3	0.75
20	20	Yes	Y	DL	1	LL	0.75	8	0.45	3	0.75
21	21	Yes	Y	DL	1	LL	0.75	9	0.45	3	0.75
22	22	Yes	Y	DL	1	LL	0.75	10	0.45	3	0.75
23	23	Yes	Y	DL	1	LL	0.75	11	0.45	3	0.75
24	24	Yes	Y	DL	1	LL	0.75	12	0.45	3	0.75
25	25	Yes	Y	DL	1	LL	0.75	7	0.45	4	0.75
26	26	Yes	Y	DL	1	LL	0.75	8	0.45	4	0.75
27	27	Yes	Y	DL	1	LL	0.75	9	0.45	4	0.75
28	28	Yes	Y	DL	1	LL	0.75	10	0.45	4	0.75
29	29	Yes	Y	DL	1	LL	0.75	11	0.45	4	0.75
30	30	Yes	Y	DL	1	LL	0.75	12	0.45	4	0.75
31	31	Yes	Y	DL	1	LL	0.75	7	0.45	5	0.75
32	32	Yes	Y	DL	1	LL	0.75	8	0.45	5	0.75
33	33	Yes	Y	DL	1	LL	0.75	9	0.45	5	0.75
34	34	Yes	Y	DL	1	LL	0.75	10	0.45	5	0.75
35	35	Yes	Y	DL	1	LL	0.75	11	0.45	5	0.75
36	36	Yes	Y	DL	1	LL	0.75	12	0.45	5	0.75
37	37	Yes	Y	DL	1	LL	0.75	7	0.45	6	0.75
38	38	Yes	Y	DL	1	LL	0.75	8	0.45	6	0.75
39	39	Yes	Y	DL	1	LL	0.75	9	0.45	6	0.75
40	40	Yes	Y	DL	1	LL	0.75	10	0.45	6	0.75
41	41	Yes	Y	DL	1	LL	0.75	11	0.45	6	0.75
42	42	Yes	Y	DL	1	LL	0.75	12	0.45	6	0.75
43	43	Yes	Y	DL	1	LL	0.75	7	0.45	15	0.75
44	44	Yes	Y	DL	1	LL	0.75	8	0.45	15	0.75
45	45	Yes	Y	DL	1	LL	0.75	9	0.45	15	0.75
46	46	Yes	Y	DL	1	LL	0.75	10	0.45	15	0.75
47	47	Yes	Y	DL	1	LL	0.75	11	0.45	15	0.75
48	48	Yes	Y	DL	1	LL	0.75	12	0.45	15	0.75
49	49	Yes	Y	DL	0.6	7	0.6				
50	50	Yes	Y	DL	0.6	8	0.6				
51	51	Yes	Y	DL	0.6	9	0.6				
52	52	Yes	Y	DL	0.6	10	0.6				
53	53	Yes	Y	DL	0.6	11	0.6				
54	54	Yes	Y	DL	0.6	12	0.6				
55	55	Yes	Y	DL	1	13	0.7				

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
56	56	Yes	Y	DL	1	14	0.7				
57	57	Yes	Y	DL	1	13	0.525	LL	0.75	4	0.75
58	58	Yes	Y	DL	1	13	0.525	LL	0.75	5	0.75
59	59	Yes	Y	DL	1	13	0.525	LL	0.75	6	0.75
60	60	Yes	Y	DL	1	14	0.525	LL	0.75	4	0.75
61	61	Yes	Y	DL	1	14	0.525	LL	0.75	5	0.75
62	62	Yes	Y	DL	1	14	0.525	LL	0.75	6	0.75
63	63	Yes	Y	DL	0.6	13	0.7				
64	64	Yes	Y	DL	0.6	14	0.7				
65	65	Yes	Y	DL	1	16	0.6				
66	66	Yes	Y	DL	1	LL	0.75	16	0.45	3	0.75
67	67	Yes	Y	DL	1	LL	0.75	16	0.45	4	0.75
68	68	Yes	Y	DL	1	LL	0.75	16	0.45	5	0.75
69	69	Yes	Y	DL	1	LL	0.75	16	0.45	6	0.75
70	70	Yes	Y	DL	1	LL	0.75	16	0.45	15	0.75
71	71	Yes	Y	DL	0.6	16	0.6				
72	72	Yes	Y	DL	1	17	0.6				
73	73	Yes	Y	DL	1	LL	0.75	17	0.45	3	0.75
74	74	Yes	Y	DL	1	LL	0.75	17	0.45	4	0.75
75	75	Yes	Y	DL	1	LL	0.75	17	0.45	5	0.75
76	76	Yes	Y	DL	1	LL	0.75	17	0.45	6	0.75
77	77	Yes	Y	DL	1	LL	0.75	17	0.45	15	0.75
78	78	Yes	Y	DL	0.6	17	0.6				

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
1	M1	HSS6X4X4	0.04	96	16	0.016	0	y	52	93156.001	118443.114	14.805	19.58	3	H1-1b
2	M2	HSS6X4X4	0.014	0	73	0.069	460	y	51	117447.305	118443.114	14.805	19.58	1	H1-1b
3	M3	HSS6X4X4	0.04	96	52	0.016	96	y	16	93156.001	118443.114	14.805	19.58	3	H1-1b
4	M4	HSS6X4X4	0.049	35	73	0.07	30	y	51	117447.305	118443.114	14.805	19.58	1	H1-1b
5	M5	HSS6X6X4	0.019	114	20	0.006	0	z	72	122973.476	144335.329	25.709	25.709	1.401	H1-1b
6	M6	HSS6X6X4	0.066	114	14	0.026	0	y	18	122973.476	144335.329	25.709	25.709	1.992	H1-1b
7	M7	HSS6X6X4	0.076	0	18	0.026	114	y	54	122973.476	144335.329	25.709	25.709	2.253	H1-1b
8	M8	HSS6X6X4	0.025	0	20	0.005	0	z	14	122973.476	144335.329	25.709	25.709	1.396	H1-1b
9	M9	HSS6X2X4	0.042	96	14	0.014	96	y	20	36043.808	92826.347	5.991	13.405	3	H1-1b
10	M10	HSS6X2X4	0.021	225	2	0.041	0	y	51	89792.003	92826.347	5.991	13.405	1	H1-1b
11	M11	HSS6X2X4	0.042	0	14	0.014	96	y	20	36043.808	92826.347	5.991	13.405	3	H1-1b
12	M12	HSS6X2X4	0.281	35	2	0.062	110	y	22	89792.003	92826.347	5.991	13.405	1	H1-1b
13	M14	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
14	M15	BOX2X2X1/4	0.082	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
15	M16	BOX2X2X1/4	0.082	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
16	M17	BOX2X2X1/4	0.083	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
17	M18	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
18	M19	BOX2X2X1/4	0.082	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
19	M20	BOX2X2X1/4	0.083	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
20	M21	BOX2X2X1/4	0.084	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
21	M22	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
22	M23	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
23	M24	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
24	M25	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
25	M26	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
26	M27	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
27	M28	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
28	M29	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
29	M30	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
30	M31	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
31	M32	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
32	M33	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
33	M34	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
34	M35	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
35	M36	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
36	M37	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
37	M38	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
38	M39	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
39	M40	BOX2X2X1/4	0.082	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
40	M41	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
41	M42	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
42	M43	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
43	M44	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
44	M45	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
45	M46	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
46	M47	BOX4X2X1/4	0.471	48	2	0.084	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
47	M48	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
48	M49	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
49	M50	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
50	M51	BOX4X2X1/4	0.471	48	2	0.084	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
51	M52	BOX4X2X1/4	0.47	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
52	M53	BOX4X2X1/4	0.471	48	2	0.071	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
53	M54	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
54	M55	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
55	M56	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
56	M57	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
57	M58	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
58	M59	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
59	M60	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
60	M61	BOX4X2X1/4	0.471	48	2	0.069	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
61	M62	BOX4X2X1/4	0.471	48	2	0.089	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
62	M63	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
63	M64	BOX4X2X1/4	0.471	48	2	0.071	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
64	M65	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
65	M66	BOX4X2X1/4	0.471	48	2	0.089	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
66	M67	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
67	M68	BOX4X2X1/4	0.471	48	2	0.068	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
68	M69	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
69	M70	BOX4X2X1/4	0.47	48	2	0.068	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
70	M71	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
71	M72	HSS2X3X16GA	0.223	0	16	0.072	99.75	y	51	5303.25	20934.132	1.244	1.244	1.89	H1-1b
72	M73	HSS2X3X16GA	0.864	0	51	0.141	0	y	51	5303.25	20934.132	1.244	1.244	2.187	H1-1b
73	M74	HSS2X3X16GA	0.005	0	22	0.111	0	y	15	16191.71	20934.132	1.244	1.244	2.055	H1-1b
74	M75	HSS2X3X16GA	0.354	0	15	0.061	0	y	15	5303.25	20934.132	1.244	1.244	2.095	H1-1b
75	M76	HSS2X3X16GA	0.982	0	15	0.157	0	y	51	5303.25	20934.132	1.244	1.244	2.154	H1-1b
76	M77	HSS2X3X16GA	0.016	96	57	0.065	0	y	15	7478.411	20934.132	1.244	1.244	2.295	H1-1b
77	M83	HSS6X6X4	0.066	114	15	0.028	114	y	52	122973.476	144335.329	25.709	25.709	1.947	H1-1b
78	M154	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
79	M155	HSS6X6X4	0.065	0	15	0.028	0	y	52	122973.476	144335.329	25.709	25.709	1.951	H1-1b
80	M156	BOX4X2X1/4	0.471	48	2	0.071	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
81	M157	BOX4X2X1/4	0.47	48	2	0.068	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
82	M158	HSS6X4X4	0.025	120	73	0.054	480	y	49	117447.305	118443.114	14.805	19.58	1	H1-1b
83	M159	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
84	M160	HSS6X4X4	0.055	96	52	0.021	96	y	52	93156.001	118443.114	14.805	19.58	3	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
85	M161	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
86	M162	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
87	M163	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
88	M164	HSS6X4X4	0.055	0	52	0.021	0	y	16	93156.001	118443.114	14.805	19.58	3	H1-1b
89	M165	HSS6X4X4	0.043	35	8	0.057	420	y	13	117447.305	118443.114	14.805	19.58	1	H1-1b
90	M166	HSS6X6X4	0.019	114	20	0.005	114	z	14	122973.476	144335.329	25.709	25.709	1.233	H1-1b
91	M168	HSS6X6X4	0.025	0	20	0.006	114	z	72	122973.476	144335.329	25.709	25.709	1.244	H1-1b
92	M169	HSS6X2X4	0.056	96	52	0.016	80	y	52	36043.808	92826.347	5.991	13.405	3	H1-1b
93	M170	HSS6X2X4	0.022	225	2	0.032	0	y	14	89792.003	92826.347	5.991	13.405	1	H1-1b
94	M171	HSS6X2X4	0.057	0	52	0.016	16	y	52	36043.808	92826.347	5.991	13.405	3	H1-1b
95	M172	HSS6X2X4	0.281	35	2	0.056	50	y	20	89792.003	92826.347	5.991	13.405	1	H1-1b
96	M173	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
97	M174	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
98	M175	BOX2X2X1/4	0.083	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
99	M176	BOX2X2X1/4	0.083	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
100	M177	BOX2X2X1/4	0.084	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
101	M178	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
102	M179	BOX2X2X1/4	0.083	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
103	M180	BOX2X2X1/4	0.084	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
104	M181	BOX2X2X1/4	0.084	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
105	M182	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
106	M183	BOX2X2X1/4	0.086	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
107	M184	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
108	M185	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
109	M186	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
110	M187	HSS2X3X16GA	0.016	96	2	0.052	96	y	14	7478.411	20934.132	1.244	1.244	2.236	H1-1b
111	M188	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
112	M189	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
113	M190	BOX2X2X1/4	0.086	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
114	M191	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
115	M192	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
116	M193	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
117	M194	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
118	M195	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
119	M196	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
120	M197	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
121	M198	BOX2X2X1/4	0.083	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
122	M199	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
123	M200	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
124	M201	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
125	M202	BOX4X2X1/4	0.471	48	2	0.084	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
126	M203	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
127	M204	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
128	M205	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
129	M206	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
130	M207	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
131	M208	BOX4X2X1/4	0.471	48	2	0.084	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
132	M209	BOX4X2X1/4	0.47	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
133	M210	BOX4X2X1/4	0.471	48	2	0.071	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
134	M211	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
135	M212	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
136	M213	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
137	M214	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
138	M215	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
139	M216	BOX4X2X1/4	0.471	48	2	0.069	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
140	M217	BOX4X2X1/4	0.471	48	2	0.089	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
141	M218	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
142	M219	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
143	M220	BOX4X2X1/4	0.471	48	2	0.089	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
144	M221	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
145	M222	BOX4X2X1/4	0.471	48	2	0.068	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
146	M223	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
147	M224	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
148	M225	HSS2X3X16GA	0.181	0	14	0.057	99.75	y	49	5303.25	20934.132	1.244	1.244	1.914	H1-1b
149	M226	HSS2X3X16GA	0.687	0	14	0.112	0	y	14	5303.25	20934.132	1.244	1.244	2.195	H1-1b
150	M227	HSS2X3X16GA	0.005	0	20	0.088	0	y	13	16191.71	20934.132	1.244	1.244	2.467	H1-1b
151	M228	HSS2X3X16GA	0.285	0	14	0.048	0	y	50	5303.25	20934.132	1.244	1.244	2.107	H1-1b
152	M229	HSS2X3X16GA	0.781	0	14	0.125	0	y	14	5303.25	20934.132	1.244	1.244	2.16	H1-1b
153	M230	HSS6X4X4	0.04	96	16	0.016	0	y	52	93156.001	118443.114	14.805	19.58	3	H1-1b
154	M231	HSS6X4X4	0.022	120	60	0.069	460	y	51	117447.305	118443.114	14.805	19.58	1	H1-1b
155	M232	HSS6X4X4	0.04	0	16	0.016	96	y	16	93156.001	118443.114	14.805	19.58	3	H1-1b
156	M233	HSS6X4X4	0.049	35	73	0.071	30	y	51	117447.305	118443.114	14.805	19.58	1	H1-1b
157	M234	HSS6X6X4	0.019	114	20	0.006	0	z	72	122973.476	144335.329	25.709	25.709	1.381	H1-1b
158	M235	HSS6X6X4	0.067	114	14	0.022	114	y	14	122973.476	144335.329	25.709	25.709	1.999	H1-1b
159	M236	HSS6X6X4	0.066	0	14	0.022	0	y	14	122973.476	144335.329	25.709	25.709	1.993	H1-1b
160	M237	HSS6X6X4	0.025	0	20	0.005	0	z	14	122973.476	144335.329	25.709	25.709	1.369	H1-1b
161	M238	HSS6X2X4	0.042	96	14	0.014	96	y	20	36043.808	92826.347	5.991	13.405	3	H1-1b
162	M239	HSS6X2X4	0.022	225	2	0.041	0	y	51	89792.003	92826.347	5.991	13.405	1	H1-1b
163	M240	HSS6X2X4	0.042	0	14	0.014	96	y	20	36043.808	92826.347	5.991	13.405	3	H1-1b
164	M241	HSS6X2X4	0.281	35	2	0.062	110	y	22	89792.003	92826.347	5.991	13.405	1	H1-1b
165	M242	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
166	M243	BOX2X2X1/4	0.083	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
167	M244	BOX2X2X1/4	0.083	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
168	M245	BOX2X2X1/4	0.084	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
169	M246	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
170	M247	BOX2X2X1/4	0.083	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
171	M248	BOX2X2X1/4	0.084	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
172	M249	BOX2X2X1/4	0.084	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
173	M250	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
174	M251	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
175	M252	BOX2X2X1/4	0.086	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
176	M253	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
177	M254	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
178	M255	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
179	M256	BOX2X2X1/4	0.086	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
180	M257	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
181	M258	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
182	M259	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
183	M260	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
184	M261	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
185	M262	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
186	M263	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
187	M264	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
188	M265	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
189	M266	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
190	M267	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
191	M268	BOX2X2X1/4	0.083	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
192	M269	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
193	M270	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
194	M271	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
195	M272	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
196	M273	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
197	M274	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
198	M275	BOX4X2X1/4	0.471	48	2	0.084	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
199	M276	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
200	M277	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
201	M278	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
202	M279	BOX4X2X1/4	0.471	48	2	0.084	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
203	M280	BOX4X2X1/4	0.47	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
204	M281	BOX4X2X1/4	0.471	48	2	0.071	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
205	M282	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
206	M283	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
207	M284	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
208	M285	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
209	M286	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
210	M287	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
211	M288	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
212	M289	BOX4X2X1/4	0.471	48	2	0.069	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
213	M290	BOX4X2X1/4	0.471	48	2	0.089	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
214	M291	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
215	M292	BOX4X2X1/4	0.471	48	2	0.071	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
216	M293	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
217	M294	BOX4X2X1/4	0.471	48	2	0.089	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
218	M295	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
219	M296	BOX4X2X1/4	0.471	48	2	0.068	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
220	M297	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
221	M298	BOX4X2X1/4	0.47	48	2	0.068	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
222	M299	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
223	M300	HSS2X3X16GA	0.223	0	16	0.072	99.75	y	51	5303.25	20934.132	1.244	1.244	1.89	H1-1b
224	M301	HSS2X3X16GA	0.864	0	51	0.141	0	y	51	5303.25	20934.132	1.244	1.244	2.187	H1-1b
225	M302	HSS2X3X16GA	0.005	0	22	0.111	0	y	15	16191.71	20934.132	1.244	1.244	2.059	H1-1b
226	M303	HSS2X3X16GA	0.354	0	15	0.061	0	y	15	5303.25	20934.132	1.244	1.244	2.095	H1-1b
227	M304	HSS2X3X16GA	0.983	0	15	0.157	0	y	51	5303.25	20934.132	1.244	1.244	2.154	H1-1b
228	M305	HSS2X3X16GA	0.016	96	57	0.065	0	y	15	7478.411	20934.132	1.244	1.244	2.301	H1-1b
229	M306	HSS6X6X4	0.077	114	18	0.028	114	y	52	122973.476	144335.329	25.709	25.709	2.256	H1-1b
230	M307	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
231	M308	HSS6X6X4	0.066	114	18	0.028	0	y	52	122973.476	144335.329	25.709	25.709	2.25	H1-1b
232	M309	BOX4X2X1/4	0.471	48	2	0.071	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
233	M310	BOX4X2X1/4	0.47	48	2	0.068	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
234	M311	HSS6X4X4	0.011	480	77	0.068	0	y	53	117447.305	118443.114	14.805	19.58	1	H1-1b
235	M312	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
236	M313	HSS6X4X4	0.055	96	52	0.021	96	y	16	93156.001	118443.114	14.805	19.58	3	H1-1b
237	M314	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
238	M315	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
239	M316	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
240	M317	HSS6X4X4	0.055	0	52	0.021	0	y	16	93156.001	118443.114	14.805	19.58	3	H1-1b
241	M318	HSS6X4X4	0.042	35	8	0.069	30	y	53	117447.305	118443.114	14.805	19.58	1	H1-1b
242	M319	HSS6X6X4	0.018	114	20	0.005	114	z	14	122973.476	144335.329	25.709	25.709	1.224	H1-1b
243	M321	HSS6X6X4	0.024	0	20	0.006	114	z	72	122973.476	144335.329	25.709	25.709	1.233	H1-1b
244	M322	HSS6X2X4	0.056	96	52	0.016	80	y	52	36043.808	92826.347	5.991	13.405	3	H1-1b
245	M323	HSS6X2X4	0.021	225	2	0.041	0	y	54	89792.003	92826.347	5.991	13.405	1	H1-1b
246	M324	HSS6X2X4	0.057	0	52	0.016	16	y	52	36043.808	92826.347	5.991	13.405	3	H1-1b
247	M325	HSS6X2X4	0.281	35	2	0.06	110	y	24	89792.003	92826.347	5.991	13.405	1	H1-1b
248	M326	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
249	M327	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
250	M328	BOX2X2X1/4	0.082	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
251	M329	BOX2X2X1/4	0.082	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
252	M330	BOX2X2X1/4	0.083	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
253	M331	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
254	M332	BOX2X2X1/4	0.082	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
255	M333	BOX2X2X1/4	0.083	48	3	0.012	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
256	M334	BOX2X2X1/4	0.084	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
257	M335	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
258	M336	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
259	M337	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
260	M338	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
261	M339	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
262	M340	HSS2X3X16GA	0.016	96	57	0.06	96	y	18	7478.411	20934.132	1.244	1.244	2.3	H1-1b
263	M341	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
264	M342	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
265	M343	BOX2X2X1/4	0.085	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
266	M344	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
267	M345	BOX2X2X1/4	0.084	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
268	M346	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
269	M347	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
270	M348	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
271	M349	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
272	M350	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
273	M351	BOX2X2X1/4	0.082	48	3	0.011	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
274	M352	BOX2X2X1/4	0.082	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
275	M353	BOX2X2X1/4	0.083	48	3	0.01	96	y	3	14865.353	48203.593	2.654	2.654	1.141	H1-1b
276	M354	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
277	M355	BOX4X2X1/4	0.471	48	2	0.084	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
278	M356	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
279	M357	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
280	M358	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
281	M359	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
282	M360	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
283	M361	BOX4X2X1/4	0.471	48	2	0.084	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
284	M362	BOX4X2X1/4	0.47	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
285	M363	BOX4X2X1/4	0.471	48	2	0.071	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
286	M364	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
287	M365	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
288	M366	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
289	M367	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
290	M368	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
291	M369	BOX4X2X1/4	0.471	48	2	0.069	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
292	M370	BOX4X2X1/4	0.471	48	2	0.089	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
293	M371	BOX4X2X1/4	0.471	48	2	0.067	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
294	M372	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
295	M373	BOX4X2X1/4	0.471	48	2	0.089	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
296	M374	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
297	M375	BOX4X2X1/4	0.471	48	2	0.068	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
298	M376	BOX4X2X1/4	0.471	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
299	M377	BOX4X2X1/4	0.47	48	2	0.066	96	y	2	27437.194	75748.503	4.663	7.819	1.142	H1-1b
300	M378	HSS2X3X16GA	0.209	0	18	0.067	99.75	y	54	5303.25	20934.132	1.244	1.244	1.916	H1-1b
301	M379	HSS2X3X16GA	0.806	0	18	0.131	0	y	53	5303.25	20934.132	1.244	1.244	2.193	H1-1b
302	M380	HSS2X3X16GA	0.005	0	24	0.103	0	y	18	16191.71	20934.132	1.244	1.244	2.241	H1-1b
303	M381	HSS2X3X16GA	0.332	0	17	0.056	0	y	17	5303.25	20934.132	1.244	1.244	2.111	H1-1b
304	M382	HSS2X3X16GA	0.916	0	17	0.147	0	y	54	5303.25	20934.132	1.244	1.244	2.157	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
305	M383	PIPE_2.0XX	0.259	121.918	57	0.032	121.918		25	12842.48	63125.749	3.353	3.353	1	H1-1b
306	M384	PIPE_2.0XX	0.242	0	57	0.032	0		25	23861.327	63125.749	3.353	3.353	1	H1-1b
307	M385	PIPE_2.0XX	0.125	0	25	0.028	0		3	28524.905	63125.749	3.353	3.353	1	H1-1b
308	M386	PIPE_2.0XX	0.13	40.447	57	0.027	80.895		3	28524.905	63125.749	3.353	3.353	1	H1-1b
309	M387	PIPE_2.0XX	0.193	89.443	60	0.024	44.721		3	23861.327	63125.749	3.353	3.353	1	H1-1b
310	M388	PIPE_2.0XX	0.305	60.959	14	0.022	121.918		13	12842.48	63125.749	3.353	3.353	1	H1-1b
311	M389	PIPE_2.0XX	0.191	89.443	3	0.027	44.721		60	23861.327	63125.749	3.353	3.353	1	H1-1b
312	M390	PIPE_2.0XX	0.125	0	25	0.027	0		3	28524.905	63125.749	3.353	3.353	1	H1-1b
313	M391	PIPE_2.0XX	0.242	0	57	0.032	0		25	23861.327	63125.749	3.353	3.353	1	H1-1b
314	M392	PIPE_2.0XX	0.13	40.447	57	0.029	80.895		60	28524.905	63125.749	3.353	3.353	1	H1-1b
315	M393	PIPE_2.0XX	0.306	60.959	14	0.023	121.918		13	12842.48	63125.749	3.353	3.353	1	H1-1b
316	M394	PIPE_2.0XX	0.259	121.918	57	0.032	121.918		25	12842.48	63125.749	3.353	3.353	1	H1-1b
317	M395	PIPE_2.0XX	0.249	121.918	57	0.035	121.918		57	12842.48	63125.749	3.353	3.353	1	H1-1b
318	M396	PIPE_2.0XX	0.238	0	57	0.03	0		57	23861.327	63125.749	3.353	3.353	1	H1-1b
319	M397	PIPE_2.0XX	0.126	80.895	18	0.035	0		57	28524.905	63125.749	3.353	3.353	1	H1-1b
320	M398	PIPE_2.0XX	0.126	0	18	0.03	0		13	28524.905	63125.749	3.353	3.353	1	H1-1b
321	M399	PIPE_2.0XX	0.183	89.443	3	0.03	89.443		60	23861.327	63125.749	3.353	3.353	1	H1-1b
322	M400	PIPE_2.0XX	0.219	52.069	13	0.043	121.918		13	12842.48	63125.749	3.353	3.353	1	H1-1b
323	M401	PIPE_2.0XX	0.265	121.918	57	0.014	121.918		54	12842.48	63125.749	3.353	3.353	1	H1-1b
324	M402	PIPE_2.0XX	0.245	0	57	0.012	0		51	23861.327	63125.749	3.353	3.353	1	H1-1b
325	M403	PIPE_2.0XX	0.154	0	20	0.011	80.895		52	28524.905	63125.749	3.353	3.353	1	H1-1b
326	M404	PIPE_2.0XX	0.126	0	18	0.012	80.895		52	28524.905	63125.749	3.353	3.353	1	H1-1b
327	M405	PIPE_2.0XX	0.235	89.443	52	0.015	89.443		51	23861.327	63125.749	3.353	3.353	1	H1-1b
328	M406	PIPE_2.0XX	0.296	43.179	14	0.016	121.918		14	12842.48	63125.749	3.353	3.353	1	H1-1b
329	M407	PIPE_2.0XX	0.265	121.918	57	0.012	121.918		51	12842.48	63125.749	3.353	3.353	1	H1-1b
330	M408	PIPE_2.0XX	0.246	0	57	0.012	0		52	23861.327	63125.749	3.353	3.353	1	H1-1b
331	M409	PIPE_2.0XX	0.154	0	20	0.011	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
332	M410	PIPE_2.0XX	0.121	37.92	57	0.012	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
333	M411	PIPE_2.0XX	0.237	89.443	52	0.015	89.443		52	23861.327	63125.749	3.353	3.353	1	H1-1b
334	M412	PIPE_2.0XX	0.304	41.909	14	0.016	121.918		14	12842.48	63125.749	3.353	3.353	1	H1-1b
335	M413	PIPE_2.0XX	0.265	121.918	57	0.012	121.918		51	12842.48	63125.749	3.353	3.353	1	H1-1b
336	M414	PIPE_2.0XX	0.246	0	57	0.012	0		52	23861.327	63125.749	3.353	3.353	1	H1-1b
337	M415	PIPE_2.0XX	0.156	0	20	0.011	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
338	M416	PIPE_2.0XX	0.121	37.92	57	0.012	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
339	M417	PIPE_2.0XX	0.237	89.443	52	0.015	89.443		51	23861.327	63125.749	3.353	3.353	1	H1-1b
340	M418	PIPE_2.0XX	0.306	41.909	14	0.016	121.918		14	12842.48	63125.749	3.353	3.353	1	H1-1b
341	M419	PIPE_2.0XX	0.265	121.918	57	0.012	121.918		73	12842.48	63125.749	3.353	3.353	1	H1-1b
342	M420	PIPE_2.0XX	0.246	0	57	0.012	0		51	23861.327	63125.749	3.353	3.353	1	H1-1b
343	M421	PIPE_2.0XX	0.154	0	20	0.011	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
344	M422	PIPE_2.0XX	0.121	37.92	57	0.012	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
345	M423	PIPE_2.0XX	0.237	89.443	52	0.015	89.443		51	23861.327	63125.749	3.353	3.353	1	H1-1b
346	M424	PIPE_2.0XX	0.304	41.909	14	0.015	121.918		14	12842.48	63125.749	3.353	3.353	1	H1-1b
347	M425	PIPE_2.0XX	0.265	121.918	57	0.013	121.918		73	12842.48	63125.749	3.353	3.353	1	H1-1b
348	M426	PIPE_2.0XX	0.245	0	57	0.012	0		51	23861.327	63125.749	3.353	3.353	1	H1-1b
349	M427	PIPE_2.0XX	0.154	0	20	0.011	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
350	M428	PIPE_2.0XX	0.12	37.92	57	0.012	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
351	M429	PIPE_2.0XX	0.235	89.443	52	0.015	89.443		51	23861.327	63125.749	3.353	3.353	1	H1-1b
352	M430	PIPE_2.0XX	0.296	43.179	14	0.015	121.918		14	12842.48	63125.749	3.353	3.353	1	H1-1b
353	M431	PIPE_2.0XX	0.248	121.918	57	0.035	121.918		57	12842.48	63125.749	3.353	3.353	1	H1-1b
354	M432	PIPE_2.0XX	0.238	0	57	0.03	0		57	23861.327	63125.749	3.353	3.353	1	H1-1b
355	M433	PIPE_2.0XX	0.11	0	19	0.035	0		57	28524.905	63125.749	3.353	3.353	1	H1-1b
356	M434	PIPE_2.0XX	0.12	37.92	57	0.03	0		13	28524.905	63125.749	3.353	3.353	1	H1-1b
357	M435	PIPE_2.0XX	0.19	89.443	60	0.028	89.443		3	23861.327	63125.749	3.353	3.353	1	H1-1b
358	M436	PIPE_2.0XX	0.219	52.069	13	0.043	121.918		13	12842.48	63125.749	3.353	3.353	1	H1-1b
359	M437	PIPE_2.0XX	0.009	30	56	0.012	60		17	40777.827	63125.749	3.353	3.353	1	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
360	M438	PIPE_2.0XX	0.014	30	20	0.017	60		49	40777.827	63125.749	3.353	3.353	1	H1-1b
361	M439	PIPE_2.0XX	0.014	30	20	0.011	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
362	M440	PIPE_2.0XX	0.014	30	20	0.008	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
363	M441	PIPE_2.0XX	0.014	30	20	0.006	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
364	M442	PIPE_2.0XX	0.014	30	20	0.004	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
365	M443	PIPE_2.0XX	0.014	30	20	0.017	60		49	40777.827	63125.749	3.353	3.353	1	H1-1b
366	M444	PIPE_2.0XX	0.009	30	56	0.015	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
367	M445	PIPE_2.0XX	0.009	30	57	0.023	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
368	M446	PIPE_2.0XX	0.009	30	18	0.028	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
369	M447	PIPE_2.0XX	0.01	30	30	0.006	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
370	M448	PIPE_2.0XX	0.01	30	30	0.063	60		14	40777.827	63125.749	3.353	3.353	1	H1-1b
371	M449	PIPE_2.0XX	0.01	30	30	0.017	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
372	M450	PIPE_2.0XX	0.01	30	30	0.063	60		14	40777.827	63125.749	3.353	3.353	1	H1-1b
373	M451	PIPE_2.0XX	0.01	30	30	0.017	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
374	M452	PIPE_2.0XX	0.01	30	30	0.005	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
375	M453	PIPE_2.0XX	0.013	31.875	4	0.008	60		26	40777.827	63125.749	3.353	3.353	1	H1-1b
376	M454	PIPE_2.0XX	0.013	28.125	4	0.008	0		26	40777.827	63125.749	3.353	3.353	1	H1-1b
377	M455	PIPE_2.0XX	0.024	30	4	0.007	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
378	M456	PIPE_2.0XX	0.024	30	4	0.056	60		26	40777.827	63125.749	3.353	3.353	1	H1-1b
379	M457	PIPE_2.0XX	0.024	30	4	0.018	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
380	M458	PIPE_2.0XX	0.024	30	4	0.056	60		26	40777.827	63125.749	3.353	3.353	1	H1-1b
381	M459	PIPE_2.0XX	0.024	30	4	0.018	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
382	M460	PIPE_2.0XX	0.024	30	4	0.007	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
383	M461	PIPE_2.0XX	0.013	31.875	4	0.023	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
384	M462	PIPE_2.0XX	0.013	28.125	4	0.027	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
385	M463	PIPE_2.0XX	0.025	30	4	0.006	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
386	M464	PIPE_2.0XX	0.025	30	4	0.021	60		20	40777.827	63125.749	3.353	3.353	1	H1-1b
387	M465	PIPE_2.0XX	0.025	30	4	0.006	60		30	40777.827	63125.749	3.353	3.353	1	H1-1b
388	M466	PIPE_2.0XX	0.025	30	4	0.021	60		20	40777.827	63125.749	3.353	3.353	1	H1-1b
389	M467	PIPE_2.0XX	0.025	30	4	0.009	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
390	M468	PIPE_2.0XX	0.025	30	4	0.005	60		74	40777.827	63125.749	3.353	3.353	1	H1-1b
391	M469	PIPE_2.0XX	0.009	30	56	0.015	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
392	M470	PIPE_2.0XX	0.009	30	56	0.012	60		17	40777.827	63125.749	3.353	3.353	1	H1-1b
393	M471	PIPE_2.0XX	0.014	30	3	0.008	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
394	M472	PIPE_2.0XX	0.014	30	3	0.031	60		26	40777.827	63125.749	3.353	3.353	1	H1-1b
395	M473	PIPE_2.0XX	0.014	30	3	0.012	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
396	M474	PIPE_2.0XX	0.014	30	3	0.031	60		14	40777.827	63125.749	3.353	3.353	1	H1-1b
397	M475	PIPE_2.0XX	0.014	30	3	0.012	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
398	M476	PIPE_2.0XX	0.014	30	3	0.006	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
399	M478	PIPE_2.0XX	0.049	41.876	3	0.046	0		17	25973.257	63125.749	3.353	3.353	1	H1-1b
400	M479	PIPE_2.0XX	0.028	37.417	3	0.047	0		57	31988.169	63125.749	3.353	3.353	1	H1-1b
401	M480	PIPE_2.0XX	0.027	36.637	3	0.028	0		19	31988.169	63125.749	3.353	3.353	1	H1-1b
402	M481	PIPE_2.0XX	0.029	34.673	4	0.018	72.36		49	33433.243	63125.749	3.353	3.353	1	H1-1b
403	M482	PIPE_2.0XX	0.031	36.934	4	0.028	0		3	33433.243	63125.749	3.353	3.353	1	H1-1b
404	M483	PIPE_2.0XX	0.024	35.426	4	0.031	0		60	33433.243	63125.749	3.353	3.353	1	H1-1b
405	M484	PIPE_2.0XX	0.024	35.426	3	0.024	0		57	33433.243	63125.749	3.353	3.353	1	H1-1b
406	M485	PIPE_2.0XX	0.028	38.196	4	0.021	74.833		26	31988.169	63125.749	3.353	3.353	1	H1-1b
407	M486	PIPE_2.0XX	0.028	37.417	4	0.038	0		60	31988.169	63125.749	3.353	3.353	1	H1-1b
408	M487	PIPE_2.0XX	0.057	42.767	20	0.072	0		49	25973.257	63125.749	3.353	3.353	1	H1-1b
409	M477	PIPE_2.0XX	0.041	44.549	53	0.076	85.534		57	25973.257	63125.749	3.353	3.353	1	H1-1b
410	M488	PIPE_2.0XX	0.051	42.767	26	0.102	0		13	25973.257	63125.749	3.353	3.353	1	H1-1b
411	M489	PIPE_2.0XX	0.029	37.417	74	0.034	0		3	31988.169	63125.749	3.353	3.353	1	H1-1b
412	M490	PIPE_2.0XX	0.026	36.18	66	0.024	0		57	33433.243	63125.749	3.353	3.353	1	H1-1b
413	M491	PIPE_2.0XX	0.03	37.417	73	0.027	74.833		19	31988.169	63125.749	3.353	3.353	1	H1-1b
414	M492	PIPE_2.0XX	0.029	36.934	67	0.028	0		3	33433.243	63125.749	3.353	3.353	1	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
415	M493	PIPE_2.0XX	0.043	42.767	73	0.077	0		57	25973.257	63125.749	3.353	3.353	1	H1-1b
416	M494	PIPE_2.0XX	0.029	38.196	74	0.021	0		26	31988.169	63125.749	3.353	3.353	1	H1-1b
417	M495	PIPE_2.0XX	0.051	43.658	20	0.103	85.534		13	25973.257	63125.749	3.353	3.353	1	H1-1b
418	M496	PIPE_2.0XX	0.031	35.426	4	0.02	0		56	33433.243	63125.749	3.353	3.353	1	H1-1b
419	M497	PIPE_2.0XX	0.058	42.767	20	0.072	85.534		49	25973.257	63125.749	3.353	3.353	1	H1-1b
420	M498	PIPE_2.0XX	0.026	36.18	74	0.031	72.36		57	33433.243	63125.749	3.353	3.353	1	H1-1b
421	M499	PIPE_2.0XX	0.05	43.658	73	0.042	85.534		57	25973.257	63125.749	3.353	3.353	1	H1-1b
422	M500	PIPE_2.0XX	0.028	38.196	73	0.047	74.833		57	31988.169	63125.749	3.353	3.353	1	H1-1b
423	M501	PIPE_2.0XX	0.132	92.914	57	0.009	92.914		26	22111.736	63125.749	3.353	3.353	1	H1-1b
424	M502	PIPE_2.0XX	0.105	0	57	0.015	0		57	41050.981	63125.749	3.353	3.353	1	H1-1b
425	M503	PIPE_2.0XX	0.078	52.612	60	0.016	0		57	45111.256	63125.749	3.353	3.353	1	H1-1b
426	M504	PIPE_2.0XX	0.105	0	57	0.015	0		57	41050.981	63125.749	3.353	3.353	1	H1-1b
427	M505	PIPE_2.0XX	0.077	52.612	4	0.016	0		57	45111.256	63125.749	3.353	3.353	1	H1-1b
428	M506	PIPE_2.0XX	0.132	92.914	57	0.009	92.914		19	22111.736	63125.749	3.353	3.353	1	H1-1b
429	M507	PIPE_2.0XX	0.144	92.914	57	0.012	92.914		54	22111.736	63125.749	3.353	3.353	1	H1-1b
430	M508	PIPE_2.0XX	0.137	0	57	0.01	0		52	41050.981	63125.749	3.353	3.353	1	H1-1b
431	M509	PIPE_2.0XX	0.07	52.612	18	0.015	52.612		52	45111.256	63125.749	3.353	3.353	1	H1-1b
432	M510	PIPE_2.0XX	0.144	92.914	57	0.01	92.914		54	22111.736	63125.749	3.353	3.353	1	H1-1b
433	M511	PIPE_2.0XX	0.134	0	57	0.009	0		4	41050.981	63125.749	3.353	3.353	1	H1-1b
434	M512	PIPE_2.0XX	0.078	52.612	30	0.007	0		4	45111.256	63125.749	3.353	3.353	1	H1-1b
435	M513	PIPE_2.0XX	0.143	92.914	57	0.008	0		51	22111.736	63125.749	3.353	3.353	1	H1-1b
436	M514	PIPE_2.0XX	0.135	0	57	0.009	0		4	41050.981	63125.749	3.353	3.353	1	H1-1b
437	M515	PIPE_2.0XX	0.076	52.612	30	0.007	0		3	45111.256	63125.749	3.353	3.353	1	H1-1b
438	M516	PIPE_2.0XX	0.143	92.914	57	0.008	0		51	22111.736	63125.749	3.353	3.353	1	H1-1b
439	M517	PIPE_2.0XX	0.135	0	57	0.009	0		3	41050.981	63125.749	3.353	3.353	1	H1-1b
440	M518	PIPE_2.0XX	0.074	52.612	24	0.007	0		4	45111.256	63125.749	3.353	3.353	1	H1-1b
441	M519	PIPE_2.0XX	0.143	92.914	57	0.009	92.914		67	22111.736	63125.749	3.353	3.353	1	H1-1b
442	M520	PIPE_2.0XX	0.135	0	57	0.009	0		67	41050.981	63125.749	3.353	3.353	1	H1-1b
443	M521	PIPE_2.0XX	0.072	52.612	24	0.008	0		74	45111.256	63125.749	3.353	3.353	1	H1-1b
444	M522	PIPE_2.0XX	0.144	92.914	57	0.009	92.914		67	22111.736	63125.749	3.353	3.353	1	H1-1b
445	M523	PIPE_2.0XX	0.134	0	57	0.009	0		66	41050.981	63125.749	3.353	3.353	1	H1-1b
446	M524	PIPE_2.0XX	0.07	52.612	24	0.008	0		73	45111.256	63125.749	3.353	3.353	1	H1-1b
447	M525	PIPE_2.0XX	0.143	92.914	57	0.01	92.914		19	22111.736	63125.749	3.353	3.353	1	H1-1b
448	M526	PIPE_2.0XX	0.137	0	57	0.01	0		52	41050.981	63125.749	3.353	3.353	1	H1-1b
449	M527	PIPE_2.0XX	0.06	35.075	4	0.015	52.612		52	45111.256	63125.749	3.353	3.353	1	H1-1b
450	M528	PIPE_2.0XX	0.148	55.168	14	0.011	0		13	22111.736	63125.749	3.353	3.353	1	H1-1b
451	M529	PIPE_2.0XX	0.153	57.103	14	0.011	0		14	22111.736	63125.749	3.353	3.353	1	H1-1b
452	M530	PIPE_2.0XX	0.084	0	60	0.014	0		29	41050.981	63125.749	3.353	3.353	1	H1-1b
453	M531	PIPE_2.0XX	0.076	52.612	24	0.008	0		51	45111.256	63125.749	3.353	3.353	1	H1-1b
454	M532	PIPE_2.0XX	0.148	55.168	14	0.011	0		14	22111.736	63125.749	3.353	3.353	1	H1-1b
455	M533	PIPE_2.0XX	0.078	52.612	60	0.015	0		4	45111.256	63125.749	3.353	3.353	1	H1-1b
456	M534	PIPE_2.0XX	0.118	92.914	4	0.011	92.914		26	22111.736	63125.749	3.353	3.353	1	H1-1b
457	M535	PIPE_2.0XX	0.105	92.914	60	0.009	0		50	22111.736	63125.749	3.353	3.353	1	H1-1b
458	M536	PIPE_2.0XX	0.133	0	51	0.01	0		52	41050.981	63125.749	3.353	3.353	1	H1-1b
459	M537	PIPE_2.0XX	0.079	0	49	0.014	0		3	41050.981	63125.749	3.353	3.353	1	H1-1b
460	M538	PIPE_2.0XX	0.077	52.612	3	0.015	0		3	45111.256	63125.749	3.353	3.353	1	H1-1b
461	M539	PIPE_2.0XX	0.099	92.914	50	0.01	0		49	22111.736	63125.749	3.353	3.353	1	H1-1b
462	M540	PIPE_2.0XX	0.118	92.914	4	0.012	92.914		53	22111.736	63125.749	3.353	3.353	1	H1-1b
463	M541	PIPE_2.0XX	0.113	0	4	0.012	0		51	41050.981	63125.749	3.353	3.353	1	H1-1b
464	M542	PIPE_2.0XX	0.069	52.612	18	0.014	0		52	45111.256	63125.749	3.353	3.353	1	H1-1b
465	M543	PIPE_2.0XX	0.079	52.612	18	0.009	0		51	45111.256	63125.749	3.353	3.353	1	H1-1b
466	M544	PIPE_2.0XX	0.153	57.103	14	0.011	0		14	22111.736	63125.749	3.353	3.353	1	H1-1b
467	M545	PIPE_2.0XX	0.135	0	51	0.01	0		52	41050.981	63125.749	3.353	3.353	1	H1-1b
468	M546	PIPE_2.0XX	0.154	57.103	14	0.011	0		14	22111.736	63125.749	3.353	3.353	1	H1-1b
469	M547	PIPE_2.0XX	0.136	0	51	0.01	0		52	41050.981	63125.749	3.353	3.353	1	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
470	M548	PIPE_2.0XX	0.074	52.612	24	0.008	0		51	45111.256	63125.749	3.353	3.353	1	H1-1b
471	M549	PIPE_2.0XX	0.135	0	51	0.01	0		52	41050.981	63125.749	3.353	3.353	1	H1-1b
472	M550	PIPE_2.0XX	0.072	52.612	30	0.008	0		51	45111.256	63125.749	3.353	3.353	1	H1-1b
473	M551	PIPE_2.0XX	0.133	0	51	0.01	0		52	41050.981	63125.749	3.353	3.353	1	H1-1b
474	M552	PIPE_2.0XX	0.07	52.612	30	0.009	0		52	45111.256	63125.749	3.353	3.353	1	H1-1b
475	M553	PIPE_2.0XX	0.113	0	3	0.012	0		51	41050.981	63125.749	3.353	3.353	1	H1-1b
476	M554	PIPE_2.0XX	0.063	27.95	57	0.014	0		52	45111.256	63125.749	3.353	3.353	1	H1-1b
477	M555	PIPE_2.0XX	0.068	55.301	54	0.012	110.603		18	15604.563	63125.749	3.353	3.353	1	H1-1b
478	M556	PIPE_2.0XX	0.044	42.264	3	0.027	84.528		57	26518.019	63125.749	3.353	3.353	1	H1-1b
479	M557	PIPE_2.0XX	0.036	39.9	3	0.02	79.8		4	29140.866	63125.749	3.353	3.353	1	H1-1b
480	M558	PIPE_2.0XX	0.036	39.9	3	0.022	79.8		57	29140.866	63125.749	3.353	3.353	1	H1-1b
481	M559	PIPE_2.0XX	0.044	42.264	3	0.022	84.528		50	26518.019	63125.749	3.353	3.353	1	H1-1b
482	M560	PIPE_2.0XX	0.083	55.301	26	0.012	110.603		18	15604.563	63125.749	3.353	3.353	1	H1-1b
483	M561	PIPE_2.0XX	0.065	55.301	74	0.011	110.603		52	15604.563	63125.749	3.353	3.353	1	H1-1b
484	M562	PIPE_2.0XX	0.047	42.264	73	0.027	84.528		57	26518.019	63125.749	3.353	3.353	1	H1-1b
485	M563	PIPE_2.0XX	0.039	39.9	73	0.02	0		3	29140.866	63125.749	3.353	3.353	1	H1-1b
486	M564	PIPE_2.0XX	0.039	39.9	73	0.022	79.8		57	29140.866	63125.749	3.353	3.353	1	H1-1b
487	M565	PIPE_2.0XX	0.047	42.264	73	0.022	84.528		50	26518.019	63125.749	3.353	3.353	1	H1-1b
488	M566	PIPE_2.0XX	0.079	55.301	20	0.012	110.603		57	15604.563	63125.749	3.353	3.353	1	H1-1b
489	M567	PIPE_2.0XX	0.01	30	4	0.009	60		17	40777.827	63125.749	3.353	3.353	1	H1-1b
490	M568	PIPE_2.0XX	0.01	30	4	0.011	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
491	M569	PIPE_2.0XX	0.01	30	4	0.006	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
492	M570	PIPE_2.0XX	0.01	30	46	0.004	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
493	M571	PIPE_2.0XX	0.01	30	46	0.004	60		18	40777.827	63125.749	3.353	3.353	1	H1-1b
494	M572	PIPE_2.0XX	0.01	30	4	0.003	60		18	40777.827	63125.749	3.353	3.353	1	H1-1b
495	M573	PIPE_2.0XX	0.01	30	4	0.01	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
496	M574	PIPE_2.0XX	0.01	30	56	0.008	60		17	40777.827	63125.749	3.353	3.353	1	H1-1b
497	M575	PIPE_2.0XX	0.012	30	57	0.024	60		14	40777.827	63125.749	3.353	3.353	1	H1-1b
498	M576	PIPE_2.0XX	0.012	30	57	0.003	60		18	40777.827	63125.749	3.353	3.353	1	H1-1b
499	M577	PIPE_2.0XX	0.012	30	57	0.007	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
500	M578	PIPE_2.0XX	0.009	30	55	0.015	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
501	M579	PIPE_2.0XX	0.012	30	57	0.025	60		14	40777.827	63125.749	3.353	3.353	1	H1-1b
502	M580	PIPE_2.0XX	0.012	30	57	0.003	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
503	M581	PIPE_2.0XX	0.012	30	57	0.007	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
504	M582	PIPE_2.0XX	0.009	30	55	0.009	60		64	40777.827	63125.749	3.353	3.353	1	H1-1b
505	M583	PIPE_2.0XX	0.01	30	60	0.015	60		14	40777.827	63125.749	3.353	3.353	1	H1-1b
506	M584	PIPE_2.0XX	0.01	30	57	0.002	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
507	M585	PIPE_2.0XX	0.01	30	57	0.005	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
508	M586	PIPE_2.0XX	0.01	30	57	0.003	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
509	M587	PIPE_2.0XX	0.01	30	57	0.015	60		14	40777.827	63125.749	3.353	3.353	1	H1-1b
510	M588	PIPE_2.0XX	0.01	30	57	0.002	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
511	M589	PIPE_2.0XX	0.01	30	60	0.005	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
512	M590	PIPE_2.0XX	0.01	30	60	0.003	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
513	M591	PIPE_2.0XX	0.012	30	3	0.01	60		22	40777.827	63125.749	3.353	3.353	1	H1-1b
514	M592	PIPE_2.0XX	0.012	30	3	0.003	60		18	40777.827	63125.749	3.353	3.353	1	H1-1b
515	M593	PIPE_2.0XX	0.012	30	60	0.004	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
516	M594	PIPE_2.0XX	0.009	30	55	0.015	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
517	M595	PIPE_2.0XX	0.012	30	60	0.01	60		28	40777.827	63125.749	3.353	3.353	1	H1-1b
518	M596	PIPE_2.0XX	0.012	30	3	0.003	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
519	M597	PIPE_2.0XX	0.012	30	3	0.003	60		24	40777.827	63125.749	3.353	3.353	1	H1-1b
520	M598	PIPE_2.0XX	0.009	30	55	0.009	60		64	40777.827	63125.749	3.353	3.353	1	H1-1b
521	M599	PIPE_2.0XX	0.01	30	4	0.015	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
522	M600	PIPE_2.0XX	0.01	30	4	0.004	60		18	40777.827	63125.749	3.353	3.353	1	H1-1b
523	M601	PIPE_2.0XX	0.01	30	4	0.006	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
524	M602	PIPE_2.0XX	0.01	30	4	0.009	60		17	40777.827	63125.749	3.353	3.353	1	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

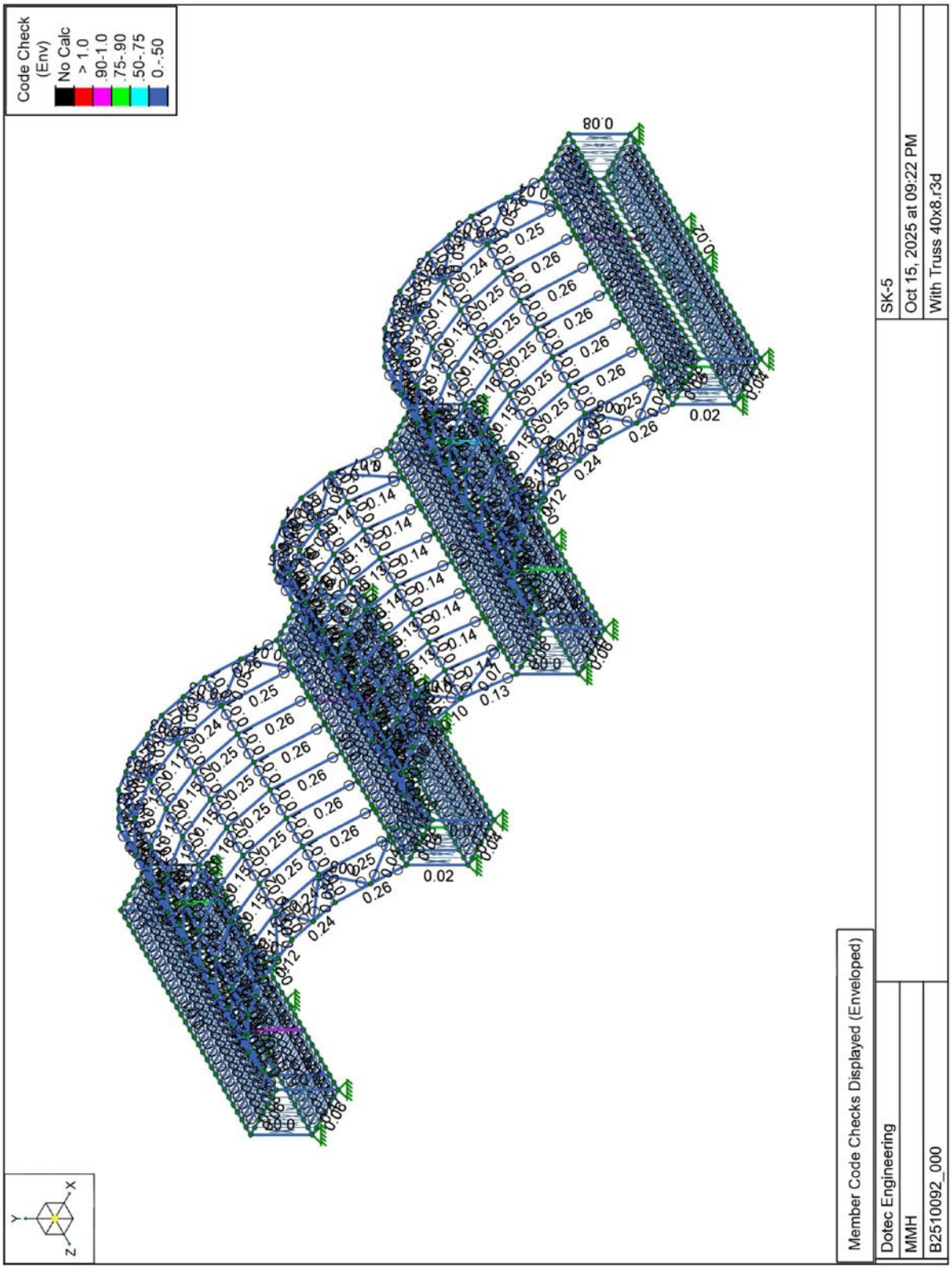
	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
525	M603	PIPE_2.0XX	0.01	30	4	0.015	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
526	M604	PIPE_2.0XX	0.01	30	4	0.004	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
527	M605	PIPE_2.0XX	0.01	30	4	0.005	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
528	M606	PIPE_2.0XX	0.01	30	56	0.008	60		17	40777.827	63125.749	3.353	3.353	1	H1-1b
529	M607	PIPE_2.0XX	0.259	121.918	57	0.032	121.918		25	12842.48	63125.749	3.353	3.353	1	H1-1b
530	M608	PIPE_2.0XX	0.242	0	57	0.032	0		25	23861.327	63125.749	3.353	3.353	1	H1-1b
531	M609	PIPE_2.0XX	0.125	0	25	0.028	0		3	28524.905	63125.749	3.353	3.353	1	H1-1b
532	M610	PIPE_2.0XX	0.13	40.447	57	0.027	80.895		3	28524.905	63125.749	3.353	3.353	1	H1-1b
533	M611	PIPE_2.0XX	0.193	89.443	60	0.024	44.721		3	23861.327	63125.749	3.353	3.353	1	H1-1b
534	M612	PIPE_2.0XX	0.306	60.959	14	0.022	121.918		13	12842.48	63125.749	3.353	3.353	1	H1-1b
535	M613	PIPE_2.0XX	0.191	89.443	3	0.027	44.721		60	23861.327	63125.749	3.353	3.353	1	H1-1b
536	M614	PIPE_2.0XX	0.125	0	25	0.027	0		3	28524.905	63125.749	3.353	3.353	1	H1-1b
537	M615	PIPE_2.0XX	0.242	0	57	0.032	0		25	23861.327	63125.749	3.353	3.353	1	H1-1b
538	M616	PIPE_2.0XX	0.13	40.447	57	0.029	80.895		60	28524.905	63125.749	3.353	3.353	1	H1-1b
539	M617	PIPE_2.0XX	0.306	60.959	14	0.023	121.918		13	12842.48	63125.749	3.353	3.353	1	H1-1b
540	M618	PIPE_2.0XX	0.259	121.918	57	0.032	121.918		25	12842.48	63125.749	3.353	3.353	1	H1-1b
541	M619	PIPE_2.0XX	0.249	121.918	57	0.035	121.918		57	12842.48	63125.749	3.353	3.353	1	H1-1b
542	M620	PIPE_2.0XX	0.238	0	57	0.03	0		57	23861.327	63125.749	3.353	3.353	1	H1-1b
543	M621	PIPE_2.0XX	0.126	80.895	18	0.035	0		57	28524.905	63125.749	3.353	3.353	1	H1-1b
544	M622	PIPE_2.0XX	0.126	0	18	0.03	0		13	28524.905	63125.749	3.353	3.353	1	H1-1b
545	M623	PIPE_2.0XX	0.183	89.443	3	0.03	89.443		60	23861.327	63125.749	3.353	3.353	1	H1-1b
546	M624	PIPE_2.0XX	0.219	52.069	13	0.043	121.918		13	12842.48	63125.749	3.353	3.353	1	H1-1b
547	M625	PIPE_2.0XX	0.265	121.918	57	0.014	121.918		54	12842.48	63125.749	3.353	3.353	1	H1-1b
548	M626	PIPE_2.0XX	0.245	0	57	0.012	0		51	23861.327	63125.749	3.353	3.353	1	H1-1b
549	M627	PIPE_2.0XX	0.154	0	20	0.011	80.895		52	28524.905	63125.749	3.353	3.353	1	H1-1b
550	M628	PIPE_2.0XX	0.126	0	18	0.012	80.895		52	28524.905	63125.749	3.353	3.353	1	H1-1b
551	M629	PIPE_2.0XX	0.235	89.443	52	0.015	89.443		51	23861.327	63125.749	3.353	3.353	1	H1-1b
552	M630	PIPE_2.0XX	0.296	43.179	14	0.016	121.918		14	12842.48	63125.749	3.353	3.353	1	H1-1b
553	M631	PIPE_2.0XX	0.265	121.918	57	0.012	121.918		51	12842.48	63125.749	3.353	3.353	1	H1-1b
554	M632	PIPE_2.0XX	0.246	0	57	0.012	0		52	23861.327	63125.749	3.353	3.353	1	H1-1b
555	M633	PIPE_2.0XX	0.154	0	20	0.011	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
556	M634	PIPE_2.0XX	0.121	37.92	57	0.012	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
557	M635	PIPE_2.0XX	0.237	89.443	52	0.015	89.443		52	23861.327	63125.749	3.353	3.353	1	H1-1b
558	M636	PIPE_2.0XX	0.304	41.909	14	0.016	121.918		14	12842.48	63125.749	3.353	3.353	1	H1-1b
559	M637	PIPE_2.0XX	0.264	121.918	57	0.012	121.918		51	12842.48	63125.749	3.353	3.353	1	H1-1b
560	M638	PIPE_2.0XX	0.246	0	57	0.012	0		52	23861.327	63125.749	3.353	3.353	1	H1-1b
561	M639	PIPE_2.0XX	0.156	0	20	0.011	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
562	M640	PIPE_2.0XX	0.121	37.92	57	0.012	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
563	M641	PIPE_2.0XX	0.237	89.443	52	0.015	89.443		51	23861.327	63125.749	3.353	3.353	1	H1-1b
564	M642	PIPE_2.0XX	0.306	41.909	14	0.016	121.918		14	12842.48	63125.749	3.353	3.353	1	H1-1b
565	M643	PIPE_2.0XX	0.265	121.918	57	0.012	121.918		73	12842.48	63125.749	3.353	3.353	1	H1-1b
566	M644	PIPE_2.0XX	0.246	0	57	0.012	0		51	23861.327	63125.749	3.353	3.353	1	H1-1b
567	M645	PIPE_2.0XX	0.154	0	20	0.011	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
568	M646	PIPE_2.0XX	0.121	37.92	57	0.012	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
569	M647	PIPE_2.0XX	0.237	89.443	52	0.015	89.443		51	23861.327	63125.749	3.353	3.353	1	H1-1b
570	M648	PIPE_2.0XX	0.304	41.909	14	0.015	121.918		14	12842.48	63125.749	3.353	3.353	1	H1-1b
571	M649	PIPE_2.0XX	0.265	121.918	57	0.013	121.918		73	12842.48	63125.749	3.353	3.353	1	H1-1b
572	M650	PIPE_2.0XX	0.245	0	57	0.012	0		51	23861.327	63125.749	3.353	3.353	1	H1-1b
573	M651	PIPE_2.0XX	0.154	0	20	0.011	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
574	M652	PIPE_2.0XX	0.12	37.92	57	0.012	80.895		51	28524.905	63125.749	3.353	3.353	1	H1-1b
575	M653	PIPE_2.0XX	0.235	89.443	52	0.015	89.443		51	23861.327	63125.749	3.353	3.353	1	H1-1b
576	M654	PIPE_2.0XX	0.296	43.179	14	0.015	121.918		14	12842.48	63125.749	3.353	3.353	1	H1-1b
577	M655	PIPE_2.0XX	0.249	121.918	57	0.035	121.918		57	12842.48	63125.749	3.353	3.353	1	H1-1b
578	M656	PIPE_2.0XX	0.238	0	57	0.03	0		57	23861.327	63125.749	3.353	3.353	1	H1-1b
579	M657	PIPE_2.0XX	0.11	0	19	0.035	0		57	28524.905	63125.749	3.353	3.353	1	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
580	M658	PIPE_2.0XX	0.12	37.92	57	0.03	0		13	28524.905	63125.749	3.353	3.353	1	H1-1b
581	M659	PIPE_2.0XX	0.19	89.443	60	0.027	89.443		3	23861.327	63125.749	3.353	3.353	1	H1-1b
582	M660	PIPE_2.0XX	0.219	52.069	13	0.043	121.918		13	12842.48	63125.749	3.353	3.353	1	H1-1b
583	M661	PIPE_2.0XX	0.009	30	56	0.012	60		17	40777.827	63125.749	3.353	3.353	1	H1-1b
584	M662	PIPE_2.0XX	0.014	30	20	0.017	60		49	40777.827	63125.749	3.353	3.353	1	H1-1b
585	M663	PIPE_2.0XX	0.014	30	20	0.011	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
586	M664	PIPE_2.0XX	0.014	30	20	0.008	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
587	M665	PIPE_2.0XX	0.014	30	20	0.006	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
588	M666	PIPE_2.0XX	0.014	30	20	0.004	60		26	40777.827	63125.749	3.353	3.353	1	H1-1b
589	M667	PIPE_2.0XX	0.014	30	20	0.017	60		49	40777.827	63125.749	3.353	3.353	1	H1-1b
590	M668	PIPE_2.0XX	0.009	30	56	0.015	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
591	M669	PIPE_2.0XX	0.009	30	57	0.023	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
592	M670	PIPE_2.0XX	0.009	30	18	0.028	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
593	M671	PIPE_2.0XX	0.01	30	30	0.006	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
594	M672	PIPE_2.0XX	0.01	30	30	0.063	60		14	40777.827	63125.749	3.353	3.353	1	H1-1b
595	M673	PIPE_2.0XX	0.01	30	30	0.017	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
596	M674	PIPE_2.0XX	0.01	30	30	0.063	60		14	40777.827	63125.749	3.353	3.353	1	H1-1b
597	M675	PIPE_2.0XX	0.01	30	30	0.017	60		13	40777.827	63125.749	3.353	3.353	1	H1-1b
598	M676	PIPE_2.0XX	0.01	30	30	0.005	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
599	M677	PIPE_2.0XX	0.013	31.875	4	0.008	60		26	40777.827	63125.749	3.353	3.353	1	H1-1b
600	M678	PIPE_2.0XX	0.013	28.125	4	0.008	0		26	40777.827	63125.749	3.353	3.353	1	H1-1b
601	M679	PIPE_2.0XX	0.024	30	4	0.007	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
602	M680	PIPE_2.0XX	0.024	30	4	0.056	60		26	40777.827	63125.749	3.353	3.353	1	H1-1b
603	M681	PIPE_2.0XX	0.024	30	4	0.018	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
604	M682	PIPE_2.0XX	0.024	30	4	0.056	60		26	40777.827	63125.749	3.353	3.353	1	H1-1b
605	M683	PIPE_2.0XX	0.024	30	4	0.018	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
606	M684	PIPE_2.0XX	0.024	30	4	0.007	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
607	M685	PIPE_2.0XX	0.013	31.875	4	0.023	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
608	M686	PIPE_2.0XX	0.013	28.125	4	0.027	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
609	M687	PIPE_2.0XX	0.025	30	4	0.006	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
610	M688	PIPE_2.0XX	0.025	30	4	0.021	60		20	40777.827	63125.749	3.353	3.353	1	H1-1b
611	M689	PIPE_2.0XX	0.025	30	4	0.005	60		30	40777.827	63125.749	3.353	3.353	1	H1-1b
612	M690	PIPE_2.0XX	0.025	30	4	0.021	60		20	40777.827	63125.749	3.353	3.353	1	H1-1b
613	M691	PIPE_2.0XX	0.025	30	4	0.009	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
614	M692	PIPE_2.0XX	0.025	30	4	0.005	60		74	40777.827	63125.749	3.353	3.353	1	H1-1b
615	M693	PIPE_2.0XX	0.009	30	56	0.015	60		56	40777.827	63125.749	3.353	3.353	1	H1-1b
616	M694	PIPE_2.0XX	0.009	30	56	0.012	60		17	40777.827	63125.749	3.353	3.353	1	H1-1b
617	M695	PIPE_2.0XX	0.014	30	3	0.008	60		65	40777.827	63125.749	3.353	3.353	1	H1-1b
618	M696	PIPE_2.0XX	0.014	30	3	0.031	60		26	40777.827	63125.749	3.353	3.353	1	H1-1b
619	M697	PIPE_2.0XX	0.014	30	3	0.012	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
620	M698	PIPE_2.0XX	0.014	30	3	0.031	60		14	40777.827	63125.749	3.353	3.353	1	H1-1b
621	M699	PIPE_2.0XX	0.014	30	3	0.012	60		25	40777.827	63125.749	3.353	3.353	1	H1-1b
622	M700	PIPE_2.0XX	0.014	30	3	0.006	60		72	40777.827	63125.749	3.353	3.353	1	H1-1b
623	M701	PIPE_2.0XX	0.049	41.876	3	0.045	0		17	25973.257	63125.749	3.353	3.353	1	H1-1b
624	M702	PIPE_2.0XX	0.028	37.417	3	0.047	0		57	31988.169	63125.749	3.353	3.353	1	H1-1b
625	M703	PIPE_2.0XX	0.027	36.637	3	0.028	0		19	31988.169	63125.749	3.353	3.353	1	H1-1b
626	M704	PIPE_2.0XX	0.029	34.673	4	0.018	72.36		49	33433.243	63125.749	3.353	3.353	1	H1-1b
627	M705	PIPE_2.0XX	0.031	36.934	4	0.028	0		3	33433.243	63125.749	3.353	3.353	1	H1-1b
628	M706	PIPE_2.0XX	0.024	35.426	4	0.031	0		60	33433.243	63125.749	3.353	3.353	1	H1-1b
629	M707	PIPE_2.0XX	0.024	35.426	3	0.024	0		57	33433.243	63125.749	3.353	3.353	1	H1-1b
630	M708	PIPE_2.0XX	0.028	38.196	4	0.021	74.833		26	31988.169	63125.749	3.353	3.353	1	H1-1b
631	M709	PIPE_2.0XX	0.028	37.417	4	0.038	0		60	31988.169	63125.749	3.353	3.353	1	H1-1b
632	M710	PIPE_2.0XX	0.057	42.767	20	0.072	0		49	25973.257	63125.749	3.353	3.353	1	H1-1b
633	M711	PIPE_2.0XX	0.041	44.549	53	0.076	85.534		57	25973.257	63125.749	3.353	3.353	1	H1-1b
634	M712	PIPE_2.0XX	0.052	42.767	26	0.102	0		13	25973.257	63125.749	3.353	3.353	1	H1-1b

Envelope AISC 15TH (360-16): ASD Member Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear Check	Loc[in]	Dir	LC	Pnc/om [lb]	Pnt/om [lb]	Mnyy/om [k-ft]	Mnzz/om [k-ft]	Cb	Eqn
635	M713	PIPE_2.0XX	0.029	37.417	74	0.034	0		3	31988.169	63125.749	3.353	3.353	1	H1-1b
636	M714	PIPE_2.0XX	0.026	36.18	66	0.024	0		57	33433.243	63125.749	3.353	3.353	1	H1-1b
637	M715	PIPE_2.0XX	0.03	37.417	73	0.027	74.833		19	31988.169	63125.749	3.353	3.353	1	H1-1b
638	M716	PIPE_2.0XX	0.029	36.934	67	0.028	0		3	33433.243	63125.749	3.353	3.353	1	H1-1b
639	M717	PIPE_2.0XX	0.043	42.767	73	0.077	0		57	25973.257	63125.749	3.353	3.353	1	H1-1b
640	M718	PIPE_2.0XX	0.029	38.196	74	0.021	0		26	31988.169	63125.749	3.353	3.353	1	H1-1b
641	M719	PIPE_2.0XX	0.051	43.658	20	0.103	85.534		13	25973.257	63125.749	3.353	3.353	1	H1-1b
642	M720	PIPE_2.0XX	0.031	35.426	4	0.02	0		56	33433.243	63125.749	3.353	3.353	1	H1-1b
643	M721	PIPE_2.0XX	0.058	42.767	20	0.072	85.534		49	25973.257	63125.749	3.353	3.353	1	H1-1b
644	M722	PIPE_2.0XX	0.026	36.18	74	0.031	72.36		57	33433.243	63125.749	3.353	3.353	1	H1-1b
645	M723	PIPE_2.0XX	0.049	43.658	73	0.042	85.534		57	25973.257	63125.749	3.353	3.353	1	H1-1b
646	M724	PIPE_2.0XX	0.028	38.196	73	0.047	74.833		57	31988.169	63125.749	3.353	3.353	1	H1-1b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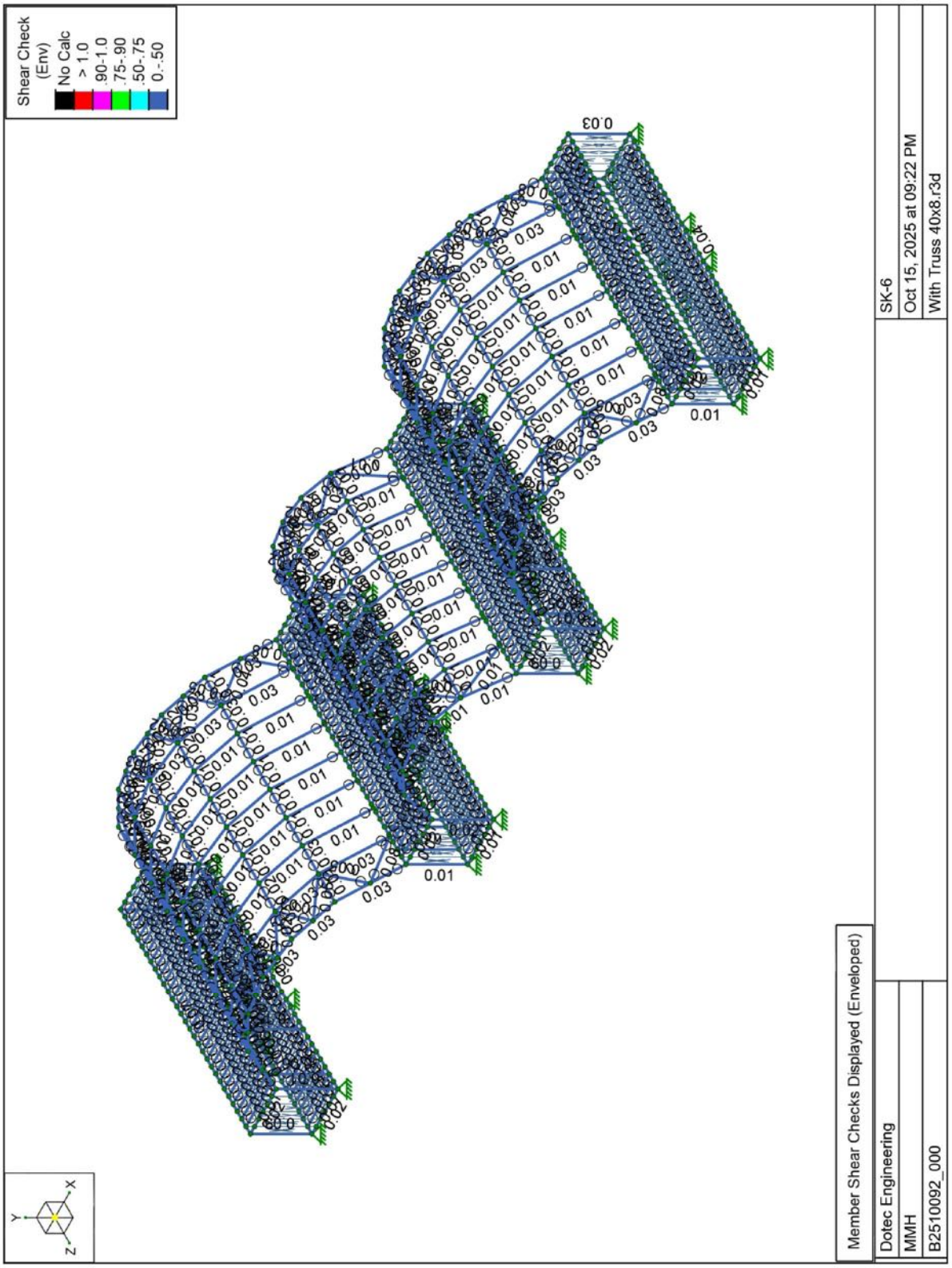
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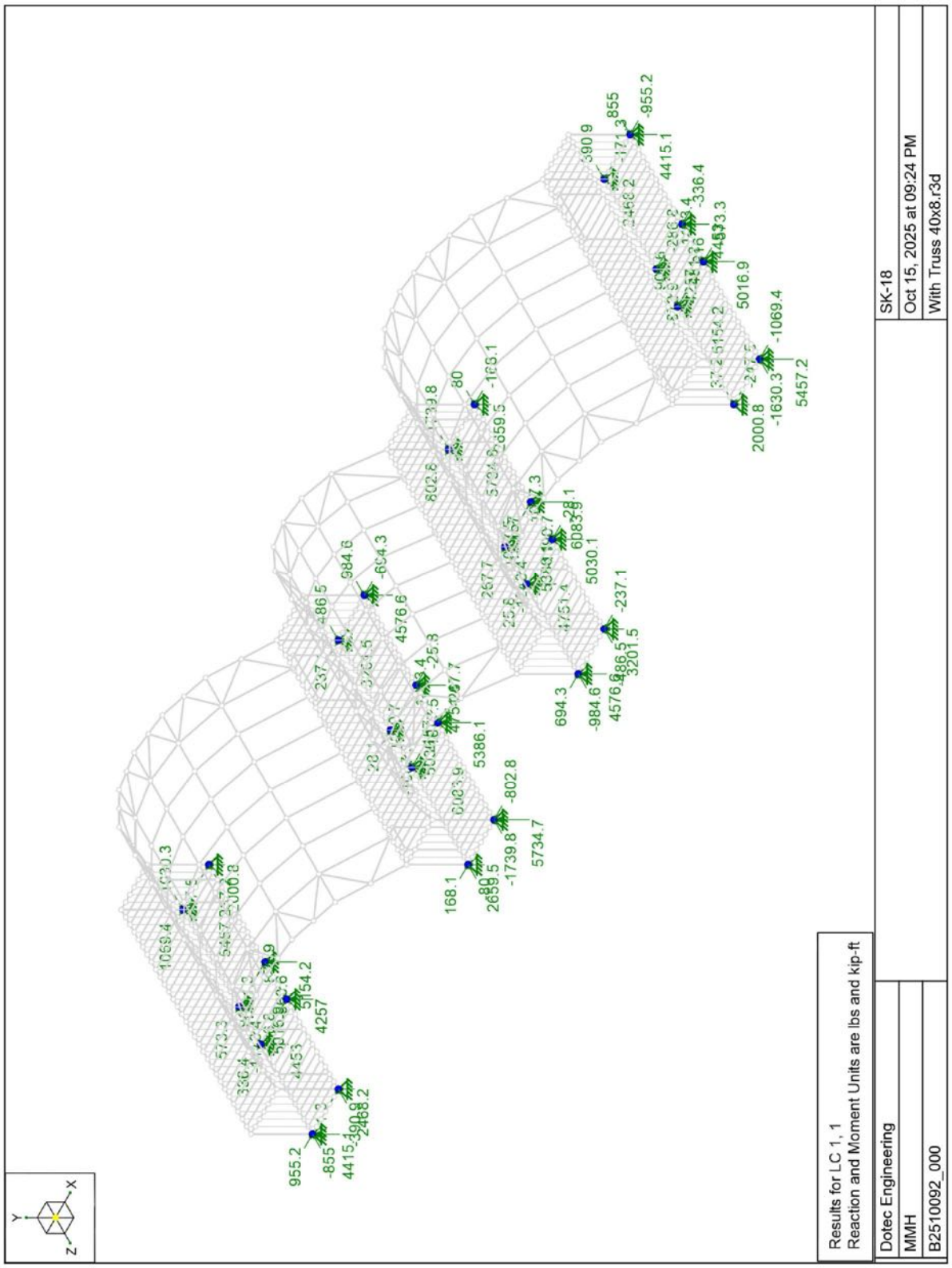
Oct 15, 2025 at 09:22 PM
With Truss 40x8.r3d


Results for LC 1, 1
Reaction and Moment Units are lbs and kip-ft
Dotec Engineering
MMH
B2510092_000
SK-18
Oct 15, 2025 at 09:24 PM
With Truss 40x8.r3d
X
Y
Z

Node Reactions

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1	1	N2	-247.463	2000.834	37.186	0	0	0
2	1	N1	-171.298	2468.206	390.868	0	0	0
3	1	N4	-1069.437	5457.222	-1630.306	0	0	0
4	1	N3	-955.228	4415.065	854.957	0	0	0
5	1	N91	-336.427	4452.995	-915.996	0	0	0
6	1	N125	-573.291	5016.917	1173.408	0	0	0
7	1	N126	-481.331	5154.17	963.638	0	0	0
8	1	N92	-286.761	4257.014	-872.945	0	0	0
9	1	N154	802.823	5734.75	1739.771	0	0	0
10	1	N301	-28.107	5030.093	1007.293	0	0	0
11	1	N318	267.684	5386.079	-1243.4	0	0	0
12	1	N324	25.815	4751.411	1077.508	0	0	0
13	1	N330	-237.107	3201.513	-486.542	0	0	0
14	1	N331	157.036	6083.887	-1190.661	0	0	0
15	1	N342	-168.086	2659.501	80.046	0	0	0
16	1	N343	694.261	4576.6	-984.616	0	0	0
17	1	N297	237.107	3201.515	486.541	0	0	0
18	1	N298	168.086	2659.498	-80.047	0	0	0
19	1	N445	-694.262	4576.6	984.615	0	0	0
20	1	N446	-802.818	5734.748	-1739.773	0	0	0
21	1	N531	-25.815	4751.412	-1077.508	0	0	0
22	1	N532	28.107	5030.094	-1007.294	0	0	0
23	1	N565	-267.687	5386.081	1243.402	0	0	0
24	1	N566	-157.038	6083.892	1190.664	0	0	0
25	1	N591	1069.441	5457.224	1630.304	0	0	0
26	1	N595	286.761	4257.013	872.945	0	0	0
27	1	N612	573.289	5016.915	-1173.406	0	0	0
28	1	N618	336.427	4452.995	915.996	0	0	0
29	1	N624	171.298	2468.205	-390.868	0	0	0
30	1	N625	481.33	5154.165	-963.635	0	0	0
31	1	N636	247.462	2000.836	-37.186	0	0	0
32	1	N637	955.227	4415.065	-854.958	0	0	0
33	1	Totals:	0	141292.511	0			
34	1	COG (in):	X: -732	Y: 80.895	Z: 240			
35	2	N2	95.893	8170.5	49.514	0	0	0
36	2	N1	410.681	11173.397	2051.879	0	0	0
37	2	N4	-1602.407	17682.568	-5601.469	0	0	0
38	2	N3	-1129.584	12723.422	2470.523	0	0	0
39	2	N91	-171.837	18295.256	-4415.742	0	0	0
40	2	N125	-1138.269	20641.589	4979.313	0	0	0
41	2	N126	-716.847	24142.465	5129.759	0	0	0
42	2	N92	130.867	20393.225	-4663.616	0	0	0
43	2	N154	1330.105	17981.441	5687.323	0	0	0
44	2	N301	-416.54	21106.022	4782.816	0	0	0
45	2	N318	858.405	20983.182	-5001.276	0	0	0
46	2	N324	-112.842	18564.511	4514.709	0	0	0
47	2	N330	-868.429	11970.596	-2150.895	0	0	0
48	2	N331	422.082	24994.308	-5331.029	0	0	0
49	2	N342	-561.402	8903.587	71.101	0	0	0
50	2	N343	863.173	12920.187	-2572.293	0	0	0
51	2	N297	868.429	11970.597	2150.894	0	0	0
52	2	N298	561.402	8903.585	-71.102	0	0	0
53	2	N445	-863.174	12920.187	2572.292	0	0	0
54	2	N446	-1330.101	17981.438	-5687.325	0	0	0
55	2	N531	112.843	18564.511	-4514.709	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
56	2	N532	416.541	21106.023	-4782.816	0	0	0
57	2	N565	-858.407	20983.185	5001.279	0	0	0
58	2	N566	-422.084	24994.314	5331.032	0	0	0
59	2	N591	1602.411	17682.569	5601.467	0	0	0
60	2	N595	-130.867	20393.224	4663.615	0	0	0
61	2	N612	1138.267	20641.587	-4979.311	0	0	0
62	2	N618	171.837	18295.256	4415.742	0	0	0
63	2	N624	-410.681	11173.396	-2051.879	0	0	0
64	2	N625	716.845	24142.46	-5129.757	0	0	0
65	2	N636	-95.893	8170.502	-49.515	0	0	0
66	2	N637	1129.583	12723.422	-2470.524	0	0	0
67	2	Totals:	0	541292.511	0			
68	2	COG (in):	X: -732	Y: 21.116	Z: 240			
69	3	N2	-593.73	2091.939	118.831	0	0	0
70	3	N1	-489.73	2616.876	456.799	0	0	0
71	3	N4	-1722.098	7222.647	-2251.494	0	0	0
72	3	N3	-1573.083	6000.401	1226.37	0	0	0
73	3	N91	-737.001	5831.114	-1071.442	0	0	0
74	3	N125	-1042.442	6546.02	1516.729	0	0	0
75	3	N126	-925.705	6328.943	1085.27	0	0	0
76	3	N92	-686.339	5295.408	-1079.958	0	0	0
77	3	N154	1265.165	7726.683	2477.867	0	0	0
78	3	N301	109.917	6721.417	1320.291	0	0	0
79	3	N318	479.881	7308.568	-1645.71	0	0	0
80	3	N324	167.287	6453.365	1362.168	0	0	0
81	3	N330	-189.999	3834.304	-629.567	0	0	0
82	3	N331	329.479	8039.191	-1493.484	0	0	0
83	3	N342	-99.062	3176.921	93.298	0	0	0
84	3	N343	1126.332	6292.076	-1485.95	0	0	0
85	3	N297	189.994	3834.255	629.556	0	0	0
86	3	N298	99.067	3176.962	-93.305	0	0	0
87	3	N445	-1126.361	6292.117	1485.96	0	0	0
88	3	N446	-1265.128	7726.635	-2477.858	0	0	0
89	3	N531	-167.291	6453.376	-1362.184	0	0	0
90	3	N532	-109.921	6721.425	-1320.284	0	0	0
91	3	N565	-479.881	7308.561	1645.698	0	0	0
92	3	N566	-329.479	8039.202	1493.504	0	0	0
93	3	N591	1722.136	7222.694	2251.503	0	0	0
94	3	N595	686.335	5295.401	1079.966	0	0	0
95	3	N612	1042.441	6546.026	-1516.741	0	0	0
96	3	N618	736.997	5831.102	1071.425	0	0	0
97	3	N624	489.726	2616.927	-456.811	0	0	0
98	3	N625	925.704	6328.932	-1085.249	0	0	0
99	3	N636	593.735	2091.899	-118.837	0	0	0
100	3	N637	1573.054	6000.359	-1226.361	0	0	0
101	3	Totals:	0	182971.747	0			
102	3	COG (in):	X: -732	Y: 100.894	Z: 240			
103	4	N2	-607.646	1946.848	140.97	0	0	0
104	4	N1	-506.93	2441.547	414.723	0	0	0
105	4	N4	-1685.114	6921.348	-2123.529	0	0	0
106	4	N3	-1540.982	5761.187	1139.033	0	0	0
107	4	N91	-745.968	5549.136	-1010.883	0	0	0
108	4	N125	-1040.91	6231.844	1445.965	0	0	0
109	4	N126	-929.57	5911.912	1012.878	0	0	0
110	4	N92	-698.742	4931.376	-1018.199	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
111	4	N154	1229.371	7425.044	2349.373	0	0	0
112	4	N301	120.681	6359.03	1259.068	0	0	0
113	4	N318	476.727	6993.632	-1576.268	0	0	0
114	4	N324	174.734	6171.198	1303.876	0	0	0
115	4	N330	-170.585	3655.989	-586.174	0	0	0
116	4	N331	331.628	7623.601	-1421.697	0	0	0
117	4	N342	-83.299	3029.648	70.306	0	0	0
118	4	N343	1095.47	6052.533	-1398.979	0	0	0
119	4	N297	171.024	3656.63	587.363	0	0	0
120	4	N298	83.742	3029.764	-71.076	0	0	0
121	4	N445	-1094.457	6051.711	1399.599	0	0	0
122	4	N446	-1228.314	7424.702	-2350.608	0	0	0
123	4	N531	-175.384	6172.406	-1303.812	0	0	0
124	4	N532	-121.339	6359.361	-1259.087	0	0	0
125	4	N565	-477.558	6995.196	1576.308	0	0	0
126	4	N566	-332.44	7624.616	1421.809	0	0	0
127	4	N591	1686.175	6921.693	2122.293	0	0	0
128	4	N595	698.081	4931.059	1018.184	0	0	0
129	4	N612	1040.073	6230.283	-1445.931	0	0	0
130	4	N618	745.315	5547.932	1010.956	0	0	0
131	4	N624	507.373	2440.89	-413.535	0	0	0
132	4	N625	928.753	5910.91	-1012.769	0	0	0
133	4	N636	608.093	1946.716	-141.742	0	0	0
134	4	N637	1541.996	5762.006	-1138.414	0	0	0
135	4	Totals:	0	174011.747	0			
136	4	COG (in):	X: -732	Y: 100.22	Z: 240			
137	5	N2	-247.463	2000.834	37.186	0	0	0
138	5	N1	-171.298	2468.206	390.868	0	0	0
139	5	N4	-1069.437	5457.222	-1630.306	0	0	0
140	5	N3	-955.228	4415.065	854.957	0	0	0
141	5	N91	-336.427	4452.995	-915.996	0	0	0
142	5	N125	-573.291	5016.917	1173.408	0	0	0
143	5	N126	-481.331	5154.17	963.638	0	0	0
144	5	N92	-286.761	4257.014	-872.945	0	0	0
145	5	N154	802.823	5734.75	1739.771	0	0	0
146	5	N301	-28.107	5030.093	1007.293	0	0	0
147	5	N318	267.684	5386.079	-1243.4	0	0	0
148	5	N324	25.815	4751.411	1077.508	0	0	0
149	5	N330	-237.107	3201.513	-486.542	0	0	0
150	5	N331	157.036	6083.887	-1190.661	0	0	0
151	5	N342	-168.086	2659.501	80.046	0	0	0
152	5	N343	694.261	4576.6	-984.616	0	0	0
153	5	N297	237.107	3201.515	486.541	0	0	0
154	5	N298	168.086	2659.498	-80.047	0	0	0
155	5	N445	-694.262	4576.6	984.615	0	0	0
156	5	N446	-802.818	5734.748	-1739.773	0	0	0
157	5	N531	-25.815	4751.412	-1077.508	0	0	0
158	5	N532	28.107	5030.094	-1007.294	0	0	0
159	5	N565	-267.687	5386.081	1243.402	0	0	0
160	5	N566	-157.038	6083.892	1190.664	0	0	0
161	5	N591	1069.441	5457.224	1630.304	0	0	0
162	5	N595	286.761	4257.013	872.945	0	0	0
163	5	N612	573.289	5016.915	-1173.406	0	0	0
164	5	N618	336.427	4452.995	915.996	0	0	0
165	5	N624	171.298	2468.205	-390.868	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
166	5	N625	481.33	5154.165	-963.635	0	0	0
167	5	N636	247.462	2000.836	-37.186	0	0	0
168	5	N637	955.227	4415.065	-854.958	0	0	0
169	5	Totals:	0	141292.511	0			
170	5	COG (in):	X: -732	Y: 80.895	Z: 240			
171	6	N2	-247.463	2000.834	37.186	0	0	0
172	6	N1	-171.298	2468.206	390.868	0	0	0
173	6	N4	-1069.437	5457.222	-1630.306	0	0	0
174	6	N3	-955.228	4415.065	854.957	0	0	0
175	6	N91	-336.427	4452.995	-915.996	0	0	0
176	6	N125	-573.291	5016.917	1173.408	0	0	0
177	6	N126	-481.331	5154.17	963.638	0	0	0
178	6	N92	-286.761	4257.014	-872.945	0	0	0
179	6	N154	802.823	5734.75	1739.771	0	0	0
180	6	N301	-28.107	5030.093	1007.293	0	0	0
181	6	N318	267.684	5386.079	-1243.4	0	0	0
182	6	N324	25.815	4751.411	1077.508	0	0	0
183	6	N330	-237.107	3201.513	-486.542	0	0	0
184	6	N331	157.036	6083.887	-1190.661	0	0	0
185	6	N342	-168.086	2659.501	80.046	0	0	0
186	6	N343	694.261	4576.6	-984.616	0	0	0
187	6	N297	237.107	3201.515	486.541	0	0	0
188	6	N298	168.086	2659.498	-80.047	0	0	0
189	6	N445	-694.262	4576.6	984.615	0	0	0
190	6	N446	-802.818	5734.748	-1739.773	0	0	0
191	6	N531	-25.815	4751.412	-1077.508	0	0	0
192	6	N532	28.107	5030.094	-1007.294	0	0	0
193	6	N565	-267.687	5386.081	1243.402	0	0	0
194	6	N566	-157.038	6083.892	1190.664	0	0	0
195	6	N591	1069.441	5457.224	1630.304	0	0	0
196	6	N595	286.761	4257.013	872.945	0	0	0
197	6	N612	573.289	5016.915	-1173.406	0	0	0
198	6	N618	336.427	4452.995	915.996	0	0	0
199	6	N624	171.298	2468.205	-390.868	0	0	0
200	6	N625	481.33	5154.165	-963.635	0	0	0
201	6	N636	247.462	2000.836	-37.186	0	0	0
202	6	N637	955.227	4415.065	-854.958	0	0	0
203	6	Totals:	0	141292.511	0			
204	6	COG (in):	X: -732	Y: 80.895	Z: 240			
205	7	N2	-247.463	2000.834	37.186	0	0	0
206	7	N1	-171.298	2468.206	390.868	0	0	0
207	7	N4	-1069.437	5457.222	-1630.306	0	0	0
208	7	N3	-955.228	4415.065	854.957	0	0	0
209	7	N91	-336.427	4452.995	-915.996	0	0	0
210	7	N125	-573.291	5016.917	1173.408	0	0	0
211	7	N126	-481.331	5154.17	963.638	0	0	0
212	7	N92	-286.761	4257.014	-872.945	0	0	0
213	7	N154	802.823	5734.75	1739.771	0	0	0
214	7	N301	-28.107	5030.093	1007.293	0	0	0
215	7	N318	267.684	5386.079	-1243.4	0	0	0
216	7	N324	25.815	4751.411	1077.508	0	0	0
217	7	N330	-237.107	3201.513	-486.542	0	0	0
218	7	N331	157.036	6083.887	-1190.661	0	0	0
219	7	N342	-168.086	2659.501	80.046	0	0	0
220	7	N343	694.261	4576.6	-984.616	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
221	7	N297	237.107	3201.515	486.541	0	0	0
222	7	N298	168.086	2659.498	-80.047	0	0	0
223	7	N445	-694.262	4576.6	984.615	0	0	0
224	7	N446	-802.818	5734.748	-1739.773	0	0	0
225	7	N531	-25.815	4751.412	-1077.508	0	0	0
226	7	N532	28.107	5030.094	-1007.294	0	0	0
227	7	N565	-267.687	5386.081	1243.402	0	0	0
228	7	N566	-157.038	6083.892	1190.664	0	0	0
229	7	N591	1069.441	5457.224	1630.304	0	0	0
230	7	N595	286.761	4257.013	872.945	0	0	0
231	7	N612	573.289	5016.915	-1173.406	0	0	0
232	7	N618	336.427	4452.995	915.996	0	0	0
233	7	N624	171.298	2468.205	-390.868	0	0	0
234	7	N625	481.33	5154.165	-963.635	0	0	0
235	7	N636	247.462	2000.836	-37.186	0	0	0
236	7	N637	955.227	4415.065	-854.958	0	0	0
237	7	Totals:	0	141292.511	0			
238	7	COG (in):	X: -732	Y: 80.895	Z: 240			
239	8	N2	-249.677	6696.164	107.677	0	0	0
240	8	N1	26.337	9108.43	1686.078	0	0	0
241	8	N4	-1958.613	15950.304	-5074.612	0	0	0
242	8	N3	-1549.484	11835.443	2345.18	0	0	0
243	8	N91	-513.413	15868.315	-3657.422	0	0	0
244	8	N125	-1348.956	17882.329	4285.421	0	0	0
245	8	N126	-991.307	20276.626	4179.579	0	0	0
246	8	N92	-273.218	17138.005	-3871.248	0	0	0
247	8	N154	1544.981	16413.702	5254.035	0	0	0
248	8	N301	-215.949	18355.644	4073.737	0	0	0
249	8	N318	869.908	18525.807	-4363.651	0	0	0
250	8	N324	27.896	16387.686	3868.95	0	0	0
251	8	N330	-675.228	10252.746	-1842.08	0	0	0
252	8	N331	485.177	21733.416	-4523.202	0	0	0
253	8	N342	-411.254	7730.372	83.265	0	0	0
254	8	N343	1145.078	12120.979	-2551.344	0	0	0
255	8	N297	675.224	10252.709	1842.072	0	0	0
256	8	N298	411.257	7730.402	-83.27	0	0	0
257	8	N445	-1145.101	12121.011	2551.35	0	0	0
258	8	N446	-1544.951	16413.664	-5254.029	0	0	0
259	8	N531	-27.899	16387.694	-3868.963	0	0	0
260	8	N532	215.947	18355.65	-4073.731	0	0	0
261	8	N565	-869.91	18525.803	4363.642	0	0	0
262	8	N566	-485.178	21733.425	4523.217	0	0	0
263	8	N591	1958.644	15950.341	5074.618	0	0	0
264	8	N595	273.215	17138	3871.254	0	0	0
265	8	N612	1348.954	17882.333	-4285.429	0	0	0
266	8	N618	513.411	15868.306	3657.409	0	0	0
267	8	N624	-26.341	9108.468	-1686.087	0	0	0
268	8	N625	991.305	20276.616	-4179.562	0	0	0
269	8	N636	249.681	6696.133	-107.683	0	0	0
270	8	N637	1549.46	11835.41	-2345.173	0	0	0
271	8	Totals:	0	472551.938	0			
272	8	COG (in):	X: -732	Y: 35.347	Z: 240			
273	9	N2	-260.132	6587.303	124.298	0	0	0
274	9	N1	13.42	8976.916	1654.516	0	0	0
275	9	N4	-1930.893	15724.345	-4978.605	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
276	9	N3	-1525.416	11656.024	2279.646	0	0	0
277	9	N91	-520.113	15656.778	-3612.01	0	0	0
278	9	N125	-1347.779	17646.643	4232.339	0	0	0
279	9	N126	-994.179	19963.773	4125.278	0	0	0
280	9	N92	-282.493	16864.898	-3824.927	0	0	0
281	9	N154	1518.098	16187.433	5157.688	0	0	0
282	9	N301	-207.852	18083.914	4027.806	0	0	0
283	9	N318	867.56	18289.635	-4311.554	0	0	0
284	9	N324	33.504	16176.099	3825.217	0	0	0
285	9	N330	-660.69	10119.099	-1809.541	0	0	0
286	9	N331	486.807	21421.77	-4469.344	0	0	0
287	9	N342	-399.457	7620.038	66.044	0	0	0
288	9	N343	1121.889	11941.296	-2486.149	0	0	0
289	9	N297	660.978	10119.471	1810.422	0	0	0
290	9	N298	399.747	7619.966	-66.583	0	0	0
291	9	N445	-1121.182	11940.701	2486.552	0	0	0
292	9	N446	-1517.357	16187.229	-5158.555	0	0	0
293	9	N531	-33.942	16176.916	-3825.195	0	0	0
294	9	N532	207.41	18084.019	-4027.833	0	0	0
295	9	N565	-868.14	18290.723	4311.587	0	0	0
296	9	N566	-487.372	21422.405	4469.437	0	0	0
297	9	N591	1931.637	15724.552	4977.738	0	0	0
298	9	N595	282.049	16864.801	3824.902	0	0	0
299	9	N612	1347.196	17645.558	-4232.309	0	0	0
300	9	N618	519.673	15655.965	3612.038	0	0	0
301	9	N624	-13.129	8976.536	-1653.636	0	0	0
302	9	N625	993.61	19963.146	-4125.186	0	0	0
303	9	N636	260.424	6587.366	-124.838	0	0	0
304	9	N637	1526.122	11656.618	-2279.243	0	0	0
305	9	Totals:	0	465831.938	0			
306	9	COG (in):	X: -732	Y: 34.212	Z: 240			
307	10	N2	10.055	6628.08	46.434	0	0	0
308	10	N1	265.187	8997.094	1636.634	0	0	0
309	10	N4	-1469.165	14626.233	-4608.676	0	0	0
310	10	N3	-1085.996	10646.339	2066.63	0	0	0
311	10	N91	-212.984	14834.695	-3540.811	0	0	0
312	10	N125	-997.027	16735.421	4027.835	0	0	0
313	10	N126	-657.97	19395.393	4088.233	0	0	0
314	10	N92	26.461	16359.167	-3715.954	0	0	0
315	10	N154	1198.285	14919.769	4700.432	0	0	0
316	10	N301	-319.433	17087.034	3838.94	0	0	0
317	10	N318	710.727	17083.906	-4061.804	0	0	0
318	10	N324	-78.178	15111.241	3655.414	0	0	0
319	10	N330	-710.599	9778.319	-1734.815	0	0	0
320	10	N331	355.823	20266.703	-4295.94	0	0	0
321	10	N342	-463.075	7342.564	73.336	0	0	0
322	10	N343	820.946	10834.298	-2175.372	0	0	0
323	10	N297	710.6	9778.321	1734.814	0	0	0
324	10	N298	463.075	7342.562	-73.337	0	0	0
325	10	N445	-820.947	10834.298	2175.371	0	0	0
326	10	N446	-1198.28	14919.767	-4700.434	0	0	0
327	10	N531	78.178	15111.241	-3655.414	0	0	0
328	10	N532	319.433	17087.035	-3838.941	0	0	0
329	10	N565	-710.729	17083.908	4061.807	0	0	0
330	10	N566	-355.825	20266.708	4295.943	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
331	10	N591	1469.169	14626.235	4608.674	0	0	0
332	10	N595	-26.461	16359.166	3715.953	0	0	0
333	10	N612	997.025	16735.419	-4027.833	0	0	0
334	10	N618	212.984	14834.695	3540.811	0	0	0
335	10	N624	-265.187	8997.093	-1636.635	0	0	0
336	10	N625	657.968	19395.388	-4088.231	0	0	0
337	10	N636	-10.055	6628.082	-46.434	0	0	0
338	10	N637	1085.995	10646.339	-2066.63	0	0	0
339	10	Totals:	0	441292.511	0			
340	10	COG (in):	X: -732	Y: 25.901	Z: 240			
341	11	N2	10.055	6628.08	46.434	0	0	0
342	11	N1	265.187	8997.094	1636.634	0	0	0
343	11	N4	-1469.165	14626.233	-4608.676	0	0	0
344	11	N3	-1085.996	10646.339	2066.63	0	0	0
345	11	N91	-212.984	14834.695	-3540.811	0	0	0
346	11	N125	-997.027	16735.421	4027.835	0	0	0
347	11	N126	-657.97	19395.393	4088.233	0	0	0
348	11	N92	26.461	16359.167	-3715.954	0	0	0
349	11	N154	1198.285	14919.769	4700.432	0	0	0
350	11	N301	-319.433	17087.034	3838.94	0	0	0
351	11	N318	710.727	17083.906	-4061.804	0	0	0
352	11	N324	-78.178	15111.241	3655.414	0	0	0
353	11	N330	-710.599	9778.319	-1734.815	0	0	0
354	11	N331	355.823	20266.703	-4295.94	0	0	0
355	11	N342	-463.075	7342.564	73.336	0	0	0
356	11	N343	820.946	10834.298	-2175.372	0	0	0
357	11	N297	710.6	9778.321	1734.814	0	0	0
358	11	N298	463.075	7342.562	-73.337	0	0	0
359	11	N445	-820.947	10834.298	2175.371	0	0	0
360	11	N446	-1198.28	14919.767	-4700.434	0	0	0
361	11	N531	78.178	15111.241	-3655.414	0	0	0
362	11	N532	319.433	17087.035	-3838.941	0	0	0
363	11	N565	-710.729	17083.908	4061.807	0	0	0
364	11	N566	-355.825	20266.708	4295.943	0	0	0
365	11	N591	1469.169	14626.235	4608.674	0	0	0
366	11	N595	-26.461	16359.166	3715.953	0	0	0
367	11	N612	997.025	16735.419	-4027.833	0	0	0
368	11	N618	212.984	14834.695	3540.811	0	0	0
369	11	N624	-265.187	8997.093	-1636.635	0	0	0
370	11	N625	657.968	19395.388	-4088.231	0	0	0
371	11	N636	-10.055	6628.082	-46.434	0	0	0
372	11	N637	1085.995	10646.339	-2066.63	0	0	0
373	11	Totals:	0	441292.511	0			
374	11	COG (in):	X: -732	Y: 25.901	Z: 240			
375	12	N2	10.055	6628.08	46.434	0	0	0
376	12	N1	265.187	8997.094	1636.634	0	0	0
377	12	N4	-1469.165	14626.233	-4608.676	0	0	0
378	12	N3	-1085.996	10646.339	2066.63	0	0	0
379	12	N91	-212.984	14834.695	-3540.811	0	0	0
380	12	N125	-997.027	16735.421	4027.835	0	0	0
381	12	N126	-657.97	19395.393	4088.233	0	0	0
382	12	N92	26.461	16359.167	-3715.954	0	0	0
383	12	N154	1198.285	14919.769	4700.432	0	0	0
384	12	N301	-319.433	17087.034	3838.94	0	0	0
385	12	N318	710.727	17083.906	-4061.804	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
386	12	N324	-78.178	15111.241	3655.414	0	0	0
387	12	N330	-710.599	9778.319	-1734.815	0	0	0
388	12	N331	355.823	20266.703	-4295.94	0	0	0
389	12	N342	-463.075	7342.564	73.336	0	0	0
390	12	N343	820.946	10834.298	-2175.372	0	0	0
391	12	N297	710.6	9778.321	1734.814	0	0	0
392	12	N298	463.075	7342.562	-73.337	0	0	0
393	12	N445	-820.947	10834.298	2175.371	0	0	0
394	12	N446	-1198.28	14919.767	-4700.434	0	0	0
395	12	N531	78.178	15111.241	-3655.414	0	0	0
396	12	N532	319.433	17087.035	-3838.941	0	0	0
397	12	N565	-710.729	17083.908	4061.807	0	0	0
398	12	N566	-355.825	20266.708	4295.943	0	0	0
399	12	N591	1469.169	14626.235	4608.674	0	0	0
400	12	N595	-26.461	16359.166	3715.953	0	0	0
401	12	N612	997.025	16735.419	-4027.833	0	0	0
402	12	N618	212.984	14834.695	3540.811	0	0	0
403	12	N624	-265.187	8997.093	-1636.635	0	0	0
404	12	N625	657.968	19395.388	-4088.231	0	0	0
405	12	N636	-10.055	6628.082	-46.434	0	0	0
406	12	N637	1085.995	10646.339	-2066.63	0	0	0
407	12	Totals:	0	441292.511	0			
408	12	COG (in):	X: -732	Y: 25.901	Z: 240			
409	13	N2	-707.986	881.03	-47.565	0	0	0
410	13	N1	-639.237	1208.625	425.971	0	0	0
411	13	N4	-2073.999	5376.716	-1564.601	0	0	0
412	13	N3	-1971.783	4545.028	907.697	0	0	0
413	13	N91	-356.237	3747.026	-823.182	0	0	0
414	13	N125	-519.955	4205.542	1061.357	0	0	0
415	13	N126	-444.745	3964.961	721.262	0	0	0
416	13	N92	-310.677	3276.859	-680.18	0	0	0
417	13	N154	-180.892	3728.298	1212.178	0	0	0
418	13	N301	-756.07	5603.524	1261.739	0	0	0
419	13	N318	-309.381	3543.89	-869.178	0	0	0
420	13	N324	-686.362	2979.405	784.321	0	0	0
421	13	N330	-1095.099	4153.332	-942.416	0	0	0
422	13	N331	-417.221	6676.728	-1432.748	0	0	0
423	13	N342	-1092.065	3609.856	552.793	0	0	0
424	13	N343	-212.419	2641.585	-566.898	0	0	0
425	13	N297	-476.864	1432.513	464.564	0	0	0
426	13	N298	-545.54	1051.233	-102.295	0	0	0
427	13	N445	-1921.197	5275.218	1182.594	0	0	0
428	13	N446	-2026.421	6203.263	-1844.197	0	0	0
429	13	N531	-279.815	4532.588	-952.467	0	0	0
430	13	N532	-231.159	3466.805	-733.185	0	0	0
431	13	N565	-449.115	5072.987	1159.205	0	0	0
432	13	N566	-364.958	4245.977	825.956	0	0	0
433	13	N591	14.29	3262.836	1029.449	0	0	0
434	13	N595	-499.806	4793.883	1118.255	0	0	0
435	13	N612	-69.42	3005.943	-765.227	0	0	0
436	13	N618	-435.911	2520.486	611.207	0	0	0
437	13	N624	-749.781	3456.454	-841.075	0	0	0
438	13	N625	-158.951	5707.422	-1206.686	0	0	0
439	13	N636	-742.899	2993.524	444.437	0	0	0
440	13	N637	-18.612	2310.028	-391.086	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
441	13	Totals:	-20730.288	119473.567	0			
442	13	COG (in):	X: -735.64	Y: 68.747	Z: 240			
443	14	N2	-693.68	1074.943	-78.152	0	0	0
444	14	N1	-620.653	1443.612	483.303	0	0	0
445	14	N4	-2112.687	5763.103	-1731.129	0	0	0
446	14	N3	-2004.034	4849.147	1020.769	0	0	0
447	14	N91	-342.76	4111.69	-903.341	0	0	0
448	14	N125	-520.318	4612.478	1154.203	0	0	0
449	14	N126	-437.965	4516.834	817.64	0	0	0
450	14	N92	-292.57	3758.148	-762.402	0	0	0
451	14	N154	-157.876	3954.268	1308.34	0	0	0
452	14	N301	-766.226	5883.065	1309.391	0	0	0
453	14	N318	-308.822	3779.855	-922.337	0	0	0
454	14	N324	-693.875	3190.722	829.804	0	0	0
455	14	N330	-1107.171	4290.935	-975.869	0	0	0
456	14	N331	-420.755	6997.072	-1488.46	0	0	0
457	14	N342	-1101.662	3723.74	570.645	0	0	0
458	14	N343	-193.068	2819.994	-631.849	0	0	0
459	14	N297	-456.103	1670.278	522.025	0	0	0
460	14	N298	-529.035	1248.377	-133.026	0	0	0
461	14	N445	-1953.174	5580.836	1294.479	0	0	0
462	14	N446	-2064.791	6590.492	-2009.743	0	0	0
463	14	N531	-267.507	4896.048	-1029.871	0	0	0
464	14	N532	-214.363	3945.472	-814.764	0	0	0
465	14	N565	-450.653	5478.8	1249.978	0	0	0
466	14	N566	-359.516	4794.462	921.258	0	0	0
467	14	N591	54.044	3649.878	1195.635	0	0	0
468	14	N595	-518.481	5276.505	1200.782	0	0	0
469	14	N612	-69.564	3412.342	-858.567	0	0	0
470	14	N618	-449.908	2884.63	692.027	0	0	0
471	14	N624	-768.377	3689.966	-898.396	0	0	0
472	14	N625	-166.285	6260.85	-1303.45	0	0	0
473	14	N636	-757.22	3185.844	474.933	0	0	0
474	14	N637	14.768	2614.7	-503.856	0	0	0
475	14	Totals:	-20730.288	129949.087	0			
476	14	COG (in):	X: -737.264	Y: 72.395	Z: 240			
477	15	N2	-566.674	1107.305	146.607	0	0	0
478	15	N1	-464.692	1507.516	55.768	0	0	0
479	15	N4	-746.617	4052.437	-1262.92	0	0	0
480	15	N3	-607.851	3227.904	821.781	0	0	0
481	15	N91	-260.255	3422.216	-976.667	0	0	0
482	15	N125	-193.148	3774.897	933.549	0	0	0
483	15	N126	-148.168	2832.384	539.635	0	0	0
484	15	N92	-222.82	2154.762	-258.042	0	0	0
485	15	N154	-1790.32	1094.69	443.236	0	0	0
486	15	N301	-713.288	3819.469	755.056	0	0	0
487	15	N318	-476.911	1767.213	-518.532	0	0	0
488	15	N324	-654.674	1449.907	656.981	0	0	0
489	15	N330	-1274.386	4308.07	-537.158	0	0	0
490	15	N331	-536.166	4710.621	-1074.987	0	0	0
491	15	N342	-1249.284	3784.397	323.344	0	0	0
492	15	N343	-1841.241	191.511	-48.091	0	0	0
493	15	N297	-573.758	1302.4	9.484	0	0	0
494	15	N298	-681.146	924.918	202.172	0	0	0
495	15	N445	-708.239	3330.537	784.945	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
496	15	N446	-851.42	4109.89	-1233.684	0	0	0
497	15	N531	-434.701	3326.053	-924.217	0	0	0
498	15	N532	-396.973	1706.972	-198.637	0	0	0
499	15	N565	-369.277	3638.931	919.863	0	0	0
500	15	N566	-332.333	2317.061	440.222	0	0	0
501	15	N591	-1729.547	1567.012	641.151	0	0	0
502	15	N595	-717.192	3846.469	757.902	0	0	0
503	15	N612	-482.729	2411.55	-564.83	0	0	0
504	15	N618	-659.68	2033.062	698.626	0	0	0
505	15	N624	-1208.676	4136.945	-544.661	0	0	0
506	15	N625	-543.566	4766.144	-1092.841	0	0	0
507	15	N636	-1183.371	3600.09	338.106	0	0	0
508	15	N637	-1783.198	621.421	-233.164	0	0	0
509	15	Totals:	-24402.3	86844.751	0			
510	15	COG (in):	X: -739.918	Y: 3.089	Z: 240			
511	16	N2	-433.057	1521.988	93.498	0	0	0
512	16	N1	-327.006	1975.322	131.145	0	0	0
513	16	N4	-477.091	4227.955	-1416.377	0	0	0
514	16	N3	-332.275	3312.875	925.409	0	0	0
515	16	N91	-230.586	3731.135	-1039.871	0	0	0
516	16	N125	-180.466	4126.943	999.849	0	0	0
517	16	N126	-128.855	3436.006	649.98	0	0	0
518	16	N92	-189.472	2671.585	-343.681	0	0	0
519	16	N154	-1643.913	1636.82	686.755	0	0	0
520	16	N301	-613.876	4173.008	774.131	0	0	0
521	16	N318	-402.132	2286.95	-656.156	0	0	0
522	16	N324	-553.437	1928.528	783.513	0	0	0
523	16	N330	-1135.703	4404.233	-537.769	0	0	0
524	16	N331	-466.207	5128.399	-1114.459	0	0	0
525	16	N342	-1092.562	3839.868	295.101	0	0	0
526	16	N343	-1716.135	651.825	-231.507	0	0	0
527	16	N297	-435.143	1771.442	84.93	0	0	0
528	16	N298	-546.595	1340.996	148.991	0	0	0
529	16	N445	-432.533	3416.055	888.126	0	0	0
530	16	N446	-581.766	4285.724	-1386.765	0	0	0
531	16	N531	-405.461	3634.448	-986.35	0	0	0
532	16	N532	-364.113	2222.792	-284.019	0	0	0
533	16	N565	-357.026	3990.479	985.335	0	0	0
534	16	N566	-313.514	2919.394	550.139	0	0	0
535	16	N591	-1583.199	2108.876	885.09	0	0	0
536	16	N595	-618.286	4200.96	777.272	0	0	0
537	16	N612	-408.395	2932.227	-703.483	0	0	0
538	16	N618	-558.89	2512.653	826.453	0	0	0
539	16	N624	-1068.848	4231.634	-545.202	0	0	0
540	16	N625	-474.127	5185.183	-1132.809	0	0	0
541	16	N636	-1025.483	3653.901	309.818	0	0	0
542	16	N637	-1658.145	1081.188	-417.089	0	0	0
543	16	Totals:	-20754.3	98541.391	0			
544	16	COG (in):	X: -738.978	Y: 16.254	Z: 240			
545	17	N2	-1075.113	-71.397	334.401	0	0	0
546	17	N1	-1160.783	285.4	151.265	0	0	0
547	17	N4	-2043.822	4686.72	-1133.626	0	0	0
548	17	N3	-2178.299	4795.133	1164.441	0	0	0
549	17	N91	-578.716	3831.735	-894.519	0	0	0
550	17	N125	-366.666	3972.954	989.506	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
551	17	N126	-322.781	2150.459	398.887	0	0	0
552	17	N92	-548.681	2030.6	-204.587	0	0	0
553	17	N154	234.056	3560.661	1197.936	0	0	0
554	17	N301	-279.017	2539.174	513.641	0	0	0
555	17	N318	24.589	3026.39	-720.388	0	0	0
556	17	N324	-237.008	2314.774	621.939	0	0	0
557	17	N330	-402.654	2152.62	-205.764	0	0	0
558	17	N331	-34.542	3760.415	-764.557	0	0	0
559	17	N342	-282.865	2023.808	281.844	0	0	0
560	17	N343	-55.262	1632.452	-118.676	0	0	0
561	17	N297	321.106	2405.569	531.132	0	0	0
562	17	N298	369.641	1834.051	-47.111	0	0	0
563	17	N445	-197.526	2818.768	721.66	0	0	0
564	17	N446	-39.026	2404.766	-480.086	0	0	0
565	17	N531	132.444	2674.692	-628.321	0	0	0
566	17	N532	171.046	3050.744	-559.852	0	0	0
567	17	N565	111.406	2636.177	552.923	0	0	0
568	17	N566	163.613	3185.35	716.1	0	0	0
569	17	N591	2291.613	5501.403	1713.208	0	0	0
570	17	N595	403.092	1613.251	201.335	0	0	0
571	17	N612	533.259	4207.29	-1049.497	0	0	0
572	17	N618	437.427	3644.145	1001.175	0	0	0
573	17	N624	977.719	195.272	148.064	0	0	0
574	17	N625	486.295	2615.891	-357.274	0	0	0
575	17	N636	1268.76	-28.998	-129.008	0	0	0
576	17	N637	1876.697	3933.522	-721.36	0	0	0
577	17	Totals:	0	85383.791	3224.832			
578	17	COG (in):	X: -732.001	Y: 15.418	Z: 227.787			
579	18	N2	-1065.925	53.024	314.736	0	0	0
580	18	N1	-1148.849	436.217	188.139	0	0	0
581	18	N4	-2068.755	4935.145	-1240.641	0	0	0
582	18	N3	-2199.191	4990.758	1237.086	0	0	0
583	18	N91	-569.976	4066.082	-946.126	0	0	0
584	18	N125	-366.851	4234.476	1049.275	0	0	0
585	18	N126	-318.366	2505.43	460.916	0	0	0
586	18	N92	-536.956	2340.153	-257.473	0	0	0
587	18	N154	258.858	3809.714	1304.298	0	0	0
588	18	N301	-289.919	2847.022	566.091	0	0	0
589	18	N318	25.496	3287.149	-778.825	0	0	0
590	18	N324	-245.019	2548.29	671.795	0	0	0
591	18	N330	-415.974	2305.281	-242.719	0	0	0
592	18	N331	-38.129	4113.236	-825.872	0	0	0
593	18	N342	-293.446	2150.268	301.6	0	0	0
594	18	N343	-34.555	1829.013	-190.531	0	0	0
595	18	N297	334.422	2558.19	568.094	0	0	0
596	18	N298	380.224	1960.561	-66.869	0	0	0
597	18	N445	-218.263	3015.37	793.524	0	0	0
598	18	N446	-63.8	2653.78	-586.437	0	0	0
599	18	N531	140.454	2908.219	-678.18	0	0	0
600	18	N532	181.949	3358.613	-612.306	0	0	0
601	18	N565	110.502	2896.923	611.352	0	0	0
602	18	N566	167.202	3538.142	777.407	0	0	0
603	18	N591	2316.572	5749.867	1820.233	0	0	0
604	18	N595	391.368	1922.782	254.216	0	0	0
605	18	N612	533.447	4468.826	-1109.274	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
606	18	N618	428.685	3878.482	1052.78	0	0	0
607	18	N624	965.78	346.13	111.196	0	0	0
608	18	N625	481.882	2970.892	-419.312	0	0	0
609	18	N636	1259.574	95.372	-109.345	0	0	0
610	18	N637	1897.559	4129.105	-793.996	0	0	0
611	18	Totals:	0	92902.511	3224.832			
612	18	COG (in):	X: -732.001	Y: 23.396	Z: 228.775			
613	19	N2	-593.409	5861.716	42.351	0	0	0
614	19	N1	-323.085	8166.526	1712.676	0	0	0
615	19	N4	-2711.76	15889.652	-5027.695	0	0	0
616	19	N3	-2311.698	11934.425	2387.507	0	0	0
617	19	N91	-530.113	15342.902	-3587.372	0	0	0
618	19	N125	-1310.442	17277.463	4201.831	0	0	0
619	19	N126	-965.357	19390.011	3997.52	0	0	0
620	19	N92	-293.022	16409.251	-3726.176	0	0	0
621	19	N154	808.845	14912.657	4856.737	0	0	0
622	19	N301	-763.959	18780.026	4265.985	0	0	0
623	19	N318	435.865	17143.874	-4083.402	0	0	0
624	19	N324	-508.217	15057.371	3650.353	0	0	0
625	19	N330	-1316.288	10960.887	-2184.277	0	0	0
626	19	N331	53.134	22174.392	-4705.917	0	0	0
627	19	N342	-1101.608	8433.765	435.893	0	0	0
628	19	N343	466.63	10670.736	-2235.395	0	0	0
629	19	N297	141.724	8929.528	1825.854	0	0	0
630	19	N298	-121.854	6530.465	-101.705	0	0	0
631	19	N445	-2064.86	12644.47	2702.144	0	0	0
632	19	N446	-2462.125	16762.599	-5334.202	0	0	0
633	19	N531	-220.247	16225.345	-3774.503	0	0	0
634	19	N532	19.616	17189.505	-3867.623	0	0	0
635	19	N565	-1007.48	18292.119	4300.704	0	0	0
636	19	N566	-642.622	20360.114	4249.333	0	0	0
637	19	N591	1169.002	14307.118	4621.881	0	0	0
638	19	N595	-318.336	17533.972	4056.49	0	0	0
639	19	N612	866.082	16371.934	-3979.389	0	0	0
640	19	N618	-67.429	14415.934	3429.661	0	0	0
641	19	N624	-714.932	9844.091	-2023.957	0	0	0
642	19	N625	510.177	20686.659	-4362.704	0	0	0
643	19	N636	-490.668	7431.546	251.502	0	0	0
644	19	N637	820.721	10256.679	-1994.105	0	0	0
645	19	Totals:	-15547.716	456187.73	0			
646	19	COG (in):	X: -732.715	Y: 31.327	Z: 240			
647	20	N2	-582.684	6007.194	19.415	0	0	0
648	20	N1	-309.147	8342.831	1755.702	0	0	0
649	20	N4	-2740.739	16179.435	-5152.613	0	0	0
650	20	N3	-2335.823	12162.459	2472.315	0	0	0
651	20	N91	-520.027	15616.41	-3647.477	0	0	0
652	20	N125	-1310.735	17582.684	4271.45	0	0	0
653	20	N126	-960.293	19803.896	4069.796	0	0	0
654	20	N92	-279.464	16770.2	-3787.863	0	0	0
655	20	N154	826.108	15082.143	4928.85	0	0	0
656	20	N301	-771.569	18989.593	4301.681	0	0	0
657	20	N318	436.276	17320.84	-4123.24	0	0	0
658	20	N324	-513.848	15215.864	3684.446	0	0	0
659	20	N330	-1325.338	11064.149	-2209.364	0	0	0
660	20	N331	50.48	22414.541	-4747.65	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
661	20	N342	-1108.803	8519.26	449.292	0	0	0
662	20	N343	481.127	10804.553	-2284.117	0	0	0
663	20	N297	157.289	9107.91	1868.978	0	0	0
664	20	N298	-109.486	6678.356	-124.746	0	0	0
665	20	N445	-2088.772	12873.622	2786.058	0	0	0
666	20	N446	-2490.861	17053.014	-5458.385	0	0	0
667	20	N531	-211.038	16497.949	-3832.546	0	0	0
668	20	N532	32.19	17548.505	-3928.838	0	0	0
669	20	N565	-1008.654	18596.499	4368.771	0	0	0
670	20	N566	-638.562	20771.476	4320.809	0	0	0
671	20	N591	1198.798	14597.396	4746.516	0	0	0
672	20	N595	-332.321	17895.804	4118.326	0	0	0
673	20	N612	865.973	16676.735	-4049.342	0	0	0
674	20	N618	-77.909	14689.064	3490.237	0	0	0
675	20	N624	-728.873	10019.32	-2066.941	0	0	0
676	20	N625	504.682	21101.557	-4435.203	0	0	0
677	20	N636	-501.405	7575.922	274.388	0	0	0
678	20	N637	845.711	10485.19	-2078.703	0	0	0
679	20	Totals:	-15547.716	464044.37	0			
680	20	COG (in):	X: -733.106	Y: 32.726	Z: 240			
681	21	N2	-487.584	6031.122	188.305	0	0	0
682	21	N1	-192.26	8391.724	1435.237	0	0	0
683	21	N4	-1715.365	14895.07	-4800.62	0	0	0
684	21	N3	-1288.016	10944.46	2322.104	0	0	0
685	21	N91	-457.278	15096.891	-3702.68	0	0	0
686	21	N125	-1064.604	16952.311	4105.801	0	0	0
687	21	N126	-742.186	18539.667	3861.567	0	0	0
688	21	N92	-226.262	15566.121	-3409.703	0	0	0
689	21	N154	-400.121	12935.449	4281.137	0	0	0
690	21	N301	-731.417	17445.794	3886.306	0	0	0
691	21	N318	310.722	15812.081	-3820.643	0	0	0
692	21	N324	-483.983	13910.745	3554.759	0	0	0
693	21	N330	-1451.564	11079.668	-1880.977	0	0	0
694	21	N331	-35.59	20703.927	-4438.047	0	0	0
695	21	N342	-1220.315	8567.371	264.445	0	0	0
696	21	N343	-756.783	8831.138	-1847.099	0	0	0
697	21	N297	68.66	8832.509	1484.72	0	0	0
698	21	N298	-224.009	6434.996	127.021	0	0	0
699	21	N445	-1154.514	11184.101	2403.029	0	0	0
700	21	N446	-1580.129	15191.418	-4875.573	0	0	0
701	21	N531	-335.644	15318.155	-3753.567	0	0	0
702	21	N532	-103.956	15867.839	-3466.828	0	0	0
703	21	N565	-946.955	17214.49	4121.061	0	0	0
704	21	N566	-617.504	18912.247	3960.251	0	0	0
705	21	N591	-140.962	13032.775	4331.57	0	0	0
706	21	N595	-481.01	16827.441	3786.564	0	0	0
707	21	N612	556.497	15926.306	-3829.217	0	0	0
708	21	N618	-234.885	14050.324	3495.024	0	0	0
709	21	N624	-1060.106	10357.628	-1802.323	0	0	0
710	21	N625	222.094	19985.032	-4277.785	0	0	0
711	21	N636	-821.992	7889.613	172.431	0	0	0
712	21	N637	-504.703	8987.705	-1876.273	0	0	0
713	21	Totals:	-18301.725	431716.118	0			
714	21	COG (in):	X: -733.195	Y: 19.3	Z: 240			
715	22	N2	-387.372	6342.177	148.477	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
716	22	N1	-88.993	8742.627	1491.784	0	0	0
717	22	N4	-1513.232	15026.727	-4915.719	0	0	0
718	22	N3	-1081.304	11008.153	2399.829	0	0	0
719	22	N91	-435.038	15328.582	-3750.082	0	0	0
720	22	N125	-1055.091	17216.345	4155.505	0	0	0
721	22	N126	-727.701	18992.351	3944.3	0	0	0
722	22	N92	-201.264	15953.722	-3473.939	0	0	0
723	22	N154	-290.304	13342.016	4463.781	0	0	0
724	22	N301	-656.832	17710.939	3900.577	0	0	0
725	22	N318	366.793	16201.835	-3923.841	0	0	0
726	22	N324	-408.031	14269.668	3649.673	0	0	0
727	22	N330	-1347.558	11151.918	-1881.422	0	0	0
728	22	N331	16.869	21017.227	-4467.594	0	0	0
729	22	N342	-1102.771	8609.082	243.253	0	0	0
730	22	N343	-662.986	9176.276	-1984.689	0	0	0
731	22	N297	172.621	9184.336	1541.319	0	0	0
732	22	N298	-123.098	6747.095	87.14	0	0	0
733	22	N445	-947.704	11248.205	2480.419	0	0	0
734	22	N446	-1377.9	15323.313	-4990.389	0	0	0
735	22	N531	-313.726	15549.453	-3800.166	0	0	0
736	22	N532	-79.323	16254.69	-3530.873	0	0	0
737	22	N565	-937.765	17478.149	4170.145	0	0	0
738	22	N566	-603.389	19363.967	4042.664	0	0	0
739	22	N591	-31.189	13439.143	4514.527	0	0	0
740	22	N595	-406.806	17093.301	3801.056	0	0	0
741	22	N612	612.234	16316.765	-3933.187	0	0	0
742	22	N618	-159.269	14409.975	3590.91	0	0	0
743	22	N624	-955.241	10428.773	-1802.714	0	0	0
744	22	N625	274.163	20299.277	-4307.703	0	0	0
745	22	N636	-703.575	7930.08	151.205	0	0	0
746	22	N637	-410.945	9332.434	-2014.245	0	0	0
747	22	Totals:	-15565.725	440488.598	0			
748	22	COG (in):	X: -733.171	Y: 21.186	Z: 240			
749	23	N2	-870.062	5143.394	330.459	0	0	0
750	23	N1	-715.53	7472.563	1506.58	0	0	0
751	23	N4	-2688.144	15370.716	-4702.136	0	0	0
752	23	N3	-2466.037	12119.157	2577.312	0	0	0
753	23	N91	-695.079	15401.637	-3641.338	0	0	0
754	23	N125	-1193.911	17098.639	4147.415	0	0	0
755	23	N126	-872.315	18024.8	3756.25	0	0	0
756	23	N92	-469.601	15469.04	-3370.002	0	0	0
757	23	N154	1117.559	14782.361	4847.828	0	0	0
758	23	N301	-404.197	16487.704	3703.574	0	0	0
759	23	N318	687.664	16755.863	-3971.405	0	0	0
760	23	N324	-169.289	14559.797	3527.083	0	0	0
761	23	N330	-799.612	9467.347	-1631.72	0	0	0
762	23	N331	341.568	19991.478	-4203.804	0	0	0
763	23	N342	-497.451	7254.064	234.752	0	0	0
764	23	N343	581.909	9911.652	-1901.822	0	0	0
765	23	N297	738.33	9656.495	1875.758	0	0	0
766	23	N298	562.663	7112.431	-58.741	0	0	0
767	23	N445	-771.882	10801.922	2354.156	0	0	0
768	23	N446	-970.941	13914.901	-4309.306	0	0	0
769	23	N531	90.833	14829.871	-3531.958	0	0	0
770	23	N532	323.191	16871.522	-3738.194	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
771	23	N565	-585.618	16463.049	3845.636	0	0	0
772	23	N566	-244.725	19559.935	4167.477	0	0	0
773	23	N591	2874.355	15982.315	5136.951	0	0	0
774	23	N595	360.367	15155.888	3367.622	0	0	0
775	23	N612	1318.917	17274.552	-4192.587	0	0	0
776	23	N618	589.066	15260.805	3721.24	0	0	0
777	23	N624	578.085	7405.579	-1282.078	0	0	0
778	23	N625	995.002	18374.121	-3724.997	0	0	0
779	23	N636	1015.455	5174.454	-176.463	0	0	0
780	23	N637	2239.431	11472.345	-2244.921	0	0	0
781	23	Totals:	0	430620.398	2418.624			
782	23	COG (in):	X: -732	Y: 21.174	Z: 238.184			
783	24	N2	-863.171	5236.723	315.713	0	0	0
784	24	N1	-706.579	7585.691	1534.238	0	0	0
785	24	N4	-2706.865	15557.054	-4782.394	0	0	0
786	24	N3	-2481.698	12265.863	2631.796	0	0	0
787	24	N91	-688.526	15577.395	-3680.045	0	0	0
788	24	N125	-1194.042	17294.775	4192.231	0	0	0
789	24	N126	-868.997	18291.011	3802.755	0	0	0
790	24	N92	-460.81	15701.196	-3409.666	0	0	0
791	24	N154	1136.176	14969.165	4927.594	0	0	0
792	24	N301	-412.373	16718.583	3742.913	0	0	0
793	24	N318	688.336	16951.425	-4015.222	0	0	0
794	24	N324	-175.296	14734.934	3564.477	0	0	0
795	24	N330	-809.601	9581.849	-1659.441	0	0	0
796	24	N331	338.87	20256.071	-4249.772	0	0	0
797	24	N342	-505.385	7348.928	249.567	0	0	0
798	24	N343	597.437	10059.07	-1955.714	0	0	0
799	24	N297	748.316	9770.973	1903.483	0	0	0
800	24	N298	570.599	7207.325	-73.557	0	0	0
801	24	N445	-787.427	10949.364	2408.053	0	0	0
802	24	N446	-989.543	14101.683	-4389.066	0	0	0
803	24	N531	96.84	15005.014	-3569.353	0	0	0
804	24	N532	331.366	17102.414	-3777.535	0	0	0
805	24	N565	-586.288	16658.603	3889.448	0	0	0
806	24	N566	-242.026	19824.511	4213.441	0	0	0
807	24	N591	2893.09	16168.676	5217.215	0	0	0
808	24	N595	351.576	15388.031	3407.284	0	0	0
809	24	N612	1319.049	17470.695	-4237.408	0	0	0
810	24	N618	582.512	15436.557	3759.946	0	0	0
811	24	N624	569.131	7518.731	-1309.733	0	0	0
812	24	N625	991.685	18640.349	-3771.507	0	0	0
813	24	N636	1008.567	5267.753	-161.718	0	0	0
814	24	N637	2255.076	11619.026	-2299.399	0	0	0
815	24	Totals:	0	436259.438	2418.624			
816	24	COG (in):	X: -732	Y: 22.374	Z: 238.207			
817	25	N2	-603.875	5752.535	58.998	0	0	0
818	25	N1	-336.019	8034.737	1681.121	0	0	0
819	25	N4	-2684.243	15663.817	-4931.581	0	0	0
820	25	N3	-2287.854	11755.114	2321.88	0	0	0
821	25	N91	-536.672	15131.185	-3542.098	0	0	0
822	25	N125	-1309.125	17041.587	4148.824	0	0	0
823	25	N126	-968.082	19077.401	3943.274	0	0	0
824	25	N92	-302.148	16136.323	-3679.892	0	0	0
825	25	N154	781.483	14686.072	4760.58	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
826	25	N301	-755.633	18507.96	4219.976	0	0	0
827	25	N318	433.739	16907.955	-4031.146	0	0	0
828	25	N324	-502.397	14846.018	3606.381	0	0	0
829	25	N330	-1301.785	10827.815	-2151.778	0	0	0
830	25	N331	55.002	21862.342	-4651.942	0	0	0
831	25	N342	-1089.832	8324.024	418.728	0	0	0
832	25	N343	442.951	10490.765	-2170.357	0	0	0
833	25	N297	127.447	8796	1794.21	0	0	0
834	25	N298	-133.374	6419.714	-84.992	0	0	0
835	25	N445	-2041.166	12464.285	2637.244	0	0	0
836	25	N446	-2434.735	16536.291	-5238.609	0	0	0
837	25	N531	-226.146	16014.378	-3730.878	0	0	0
838	25	N532	11.233	16918.061	-3821.765	0	0	0
839	25	N565	-1005.568	18056.836	4248.719	0	0	0
840	25	N566	-644.667	20049.339	4195.605	0	0	0
841	25	N591	1141.512	14081.018	4525.184	0	0	0
842	25	N595	-309.269	17260.429	4010.057	0	0	0
843	25	N612	864.548	16135.405	-3926.104	0	0	0
844	25	N618	-60.951	14203.818	3384.037	0	0	0
845	25	N624	-701.756	9712.741	-1991.547	0	0	0
846	25	N625	512.722	20372.773	-4308.209	0	0	0
847	25	N636	-479.945	7323.381	234.402	0	0	0
848	25	N637	796.889	10077.61	-1928.322	0	0	0
849	25	Totals:	-15547.716	449467.73	0			
850	25	COG (in):	X: -732.726	Y: 30.091	Z: 240			
851	26	N2	-593.149	5898.019	36.061	0	0	0
852	26	N1	-322.081	8211.043	1724.145	0	0	0
853	26	N4	-2713.221	15953.597	-5056.498	0	0	0
854	26	N3	-2311.979	11983.149	2406.689	0	0	0
855	26	N91	-526.587	15404.695	-3602.202	0	0	0
856	26	N125	-1309.419	17346.809	4218.441	0	0	0
857	26	N126	-963.018	19491.281	4015.549	0	0	0
858	26	N92	-288.591	16497.27	-3741.576	0	0	0
859	26	N154	798.748	14855.559	4832.694	0	0	0
860	26	N301	-763.245	18717.537	4255.677	0	0	0
861	26	N318	434.15	17084.92	-4070.987	0	0	0
862	26	N324	-508.029	15004.509	3640.477	0	0	0
863	26	N330	-1310.835	10931.068	-2176.866	0	0	0
864	26	N331	52.347	22102.502	-4693.679	0	0	0
865	26	N342	-1097.026	8409.508	432.126	0	0	0
866	26	N343	457.45	10624.581	-2219.078	0	0	0
867	26	N297	143.013	8974.383	1837.331	0	0	0
868	26	N298	-121.005	6567.611	-108.034	0	0	0
869	26	N445	-2065.078	12693.438	2721.16	0	0	0
870	26	N446	-2463.469	16826.702	-5362.791	0	0	0
871	26	N531	-216.937	16286.984	-3788.918	0	0	0
872	26	N532	23.806	17277.058	-3882.977	0	0	0
873	26	N565	-1006.743	18361.217	4316.784	0	0	0
874	26	N566	-640.607	20460.696	4267.079	0	0	0
875	26	N591	1171.312	14371.299	4649.818	0	0	0
876	26	N595	-323.257	17622.277	4071.899	0	0	0
877	26	N612	864.437	16440.204	-3996.063	0	0	0
878	26	N618	-71.433	14476.945	3444.617	0	0	0
879	26	N624	-715.697	9887.956	-2034.532	0	0	0
880	26	N625	507.225	20787.69	-4380.714	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
881	26	N636	-490.682	7467.74	257.287	0	0	0
882	26	N637	821.884	10306.121	-2012.918	0	0	0
883	26	Totals:	-15547.716	457324.37	0			
884	26	COG (in):	X: -733.122	Y: 31.532	Z: 240			
885	27	N2	-498.133	5921.843	205.033	0	0	0
886	27	N1	-205.268	8259.887	1403.636	0	0	0
887	27	N4	-1687.897	14669.331	-4704.467	0	0	0
888	27	N3	-1264.183	10765.174	2256.432	0	0	0
889	27	N91	-463.848	14885.153	-3657.397	0	0	0
890	27	N125	-1063.292	16716.421	4052.768	0	0	0
891	27	N126	-744.917	18226.795	3807.303	0	0	0
892	27	N92	-235.4	15292.952	-3363.438	0	0	0
893	27	N154	-427.218	12709.041	4184.957	0	0	0
894	27	N301	-723.118	17173.889	3840.222	0	0	0
895	27	N318	308.527	15576.182	-3768.431	0	0	0
896	27	N324	-478.187	13699.47	3510.862	0	0	0
897	27	N330	-1437.099	10946.408	-1848.422	0	0	0
898	27	N331	-33.791	20391.974	-4384.023	0	0	0
899	27	N342	-1208.583	8457.571	247.323	0	0	0
900	27	N343	-780.206	8651.447	-1782.121	0	0	0
901	27	N297	54.313	8698.938	1453.031	0	0	0
902	27	N298	-235.615	6324.142	143.815	0	0	0
903	27	N445	-1130.832	11003.947	2338.086	0	0	0
904	27	N446	-1552.787	14965.193	-4779.942	0	0	0
905	27	N531	-341.554	15107.169	-3709.931	0	0	0
906	27	N532	-112.351	15596.154	-3420.988	0	0	0
907	27	N565	-945.047	16979.193	4069.052	0	0	0
908	27	N566	-619.555	18601.211	3906.506	0	0	0
909	27	N591	-168.183	12806.862	4234.851	0	0	0
910	27	N595	-471.975	16554.067	3740.059	0	0	0
911	27	N612	554.892	15689.797	-3775.981	0	0	0
912	27	N618	-228.435	13838.286	3449.483	0	0	0
913	27	N624	-1046.962	10226.078	-1769.857	0	0	0
914	27	N625	224.567	19671.252	-4223.241	0	0	0
915	27	N636	-811.314	7781.385	155.373	0	0	0
916	27	N637	-528.276	8808.906	-1810.552	0	0	0
917	27	Totals:	-18301.725	424996.118	0			
918	27	COG (in):	X: -733.213	Y: 17.802	Z: 240			
919	28	N2	-397.92	6232.9	165.205	0	0	0
920	28	N1	-102.001	8610.788	1460.182	0	0	0
921	28	N4	-1485.763	14800.984	-4819.565	0	0	0
922	28	N3	-1057.472	10828.867	2334.158	0	0	0
923	28	N91	-441.608	15116.846	-3704.798	0	0	0
924	28	N125	-1053.779	16980.455	4102.472	0	0	0
925	28	N126	-730.432	18679.479	3890.035	0	0	0
926	28	N92	-210.402	15680.554	-3427.674	0	0	0
927	28	N154	-317.396	13115.608	4367.599	0	0	0
928	28	N301	-648.536	17439.045	3854.495	0	0	0
929	28	N318	364.596	15965.933	-3871.633	0	0	0
930	28	N324	-402.237	14058.389	3605.78	0	0	0
931	28	N330	-1333.093	11018.651	-1848.867	0	0	0
932	28	N331	18.666	20705.286	-4413.573	0	0	0
933	28	N342	-1091.04	8499.273	226.13	0	0	0
934	28	N343	-686.403	8996.585	-1919.711	0	0	0
935	28	N297	158.275	9050.763	1509.628	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
936	28	N298	-134.704	6636.242	103.934	0	0	0
937	28	N445	-924.023	11068.051	2415.477	0	0	0
938	28	N446	-1350.557	15097.086	-4894.758	0	0	0
939	28	N531	-319.636	15338.468	-3756.529	0	0	0
940	28	N532	-87.718	15983.006	-3485.032	0	0	0
941	28	N565	-935.857	17242.853	4118.136	0	0	0
942	28	N566	-605.44	19052.93	3988.92	0	0	0
943	28	N591	-58.406	13213.23	4417.807	0	0	0
944	28	N595	-397.772	16819.938	3754.554	0	0	0
945	28	N612	610.627	16080.253	-3879.955	0	0	0
946	28	N618	-152.82	14197.933	3545.373	0	0	0
947	28	N624	-942.097	10297.215	-1770.248	0	0	0
948	28	N625	276.634	19985.511	-4253.163	0	0	0
949	28	N636	-692.897	7821.842	134.146	0	0	0
950	28	N637	-434.513	9153.634	-1948.524	0	0	0
951	28	Totals:	-15565.725	433768.598	0			
952	28	COG (in):	X: -733.189	Y: 19.748	Z: 240			
953	29	N2	-880.608	5034.272	347.171	0	0	0
954	29	N1	-728.516	7340.911	1474.959	0	0	0
955	29	N4	-2660.559	15144.895	-4606.033	0	0	0
956	29	N3	-2442.088	11939.821	2511.7	0	0	0
957	29	N91	-701.722	15190.002	-3595.975	0	0	0
958	29	N125	-1192.677	16862.855	4094.344	0	0	0
959	29	N126	-875.128	17711.798	3701.951	0	0	0
960	29	N92	-478.818	15195.765	-3323.696	0	0	0
961	29	N154	1090.705	14556.101	4751.533	0	0	0
962	29	N301	-396.045	16216.063	3657.581	0	0	0
963	29	N318	685.349	16519.81	-3919.309	0	0	0
964	29	N324	-163.626	14348.378	3483.352	0	0	0
965	29	N330	-785.134	9333.701	-1599.155	0	0	0
966	29	N331	343.234	19679.839	-4149.898	0	0	0
967	29	N342	-485.704	7143.855	217.584	0	0	0
968	29	N343	558.804	9732.149	-1836.747	0	0	0
969	29	N297	724.016	9523.113	1844.053	0	0	0
970	29	N298	551.058	7001.722	-41.963	0	0	0
971	29	N445	-748.083	10621.709	2289.276	0	0	0
972	29	N446	-943.483	13688.599	-4213.736	0	0	0
973	29	N531	84.848	14618.998	-3488.235	0	0	0
974	29	N532	314.714	16599.72	-3692.314	0	0	0
975	29	N565	-583.791	16227.875	3793.592	0	0	0
976	29	N566	-246.86	19248.763	4113.702	0	0	0
977	29	N591	2847.378	15756.536	5040.122	0	0	0
978	29	N595	369.256	14882.783	3321.205	0	0	0
979	29	N612	1317.19	17037.889	-4139.467	0	0	0
980	29	N618	595.382	15048.625	3675.874	0	0	0
981	29	N624	591.242	7273.652	-1249.598	0	0	0
982	29	N625	997.34	18060.66	-3670.568	0	0	0
983	29	N636	1026.148	5065.824	-193.566	0	0	0
984	29	N637	2216.178	11293.715	-2179.114	0	0	0
985	29	Totals:	0	423900.398	2418.624			
986	29	COG (in):	X: -732	Y: 19.703	Z: 238.155			
987	30	N2	-873.717	5127.601	332.425	0	0	0
988	30	N1	-719.565	7454.039	1502.616	0	0	0
989	30	N4	-2679.278	15331.232	-4686.291	0	0	0
990	30	N3	-2457.749	12086.527	2566.184	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
991	30	N91	-695.169	15365.76	-3634.682	0	0	0
992	30	N125	-1192.809	17058.991	4139.16	0	0	0
993	30	N126	-871.811	17978.009	3748.457	0	0	0
994	30	N92	-470.027	15427.922	-3363.361	0	0	0
995	30	N154	1109.326	14742.907	4831.298	0	0	0
996	30	N301	-404.223	16446.949	3696.921	0	0	0
997	30	N318	686.02	16715.371	-3963.127	0	0	0
998	30	N324	-169.635	14523.513	3520.748	0	0	0
999	30	N330	-795.123	9448.195	-1626.876	0	0	0
1000	30	N331	340.535	19944.439	-4195.869	0	0	0
1001	30	N342	-493.639	7238.711	232.398	0	0	0
1002	30	N343	574.336	9879.569	-1890.638	0	0	0
1003	30	N297	734.003	9637.591	1871.777	0	0	0
1004	30	N298	558.995	7096.616	-56.779	0	0	0
1005	30	N445	-763.627	10769.151	2343.174	0	0	0
1006	30	N446	-962.083	13875.379	-4293.496	0	0	0
1007	30	N531	90.854	14794.142	-3525.629	0	0	0
1008	30	N532	322.889	16830.613	-3731.656	0	0	0
1009	30	N565	-584.463	16423.43	3837.403	0	0	0
1010	30	N566	-244.162	19513.339	4159.666	0	0	0
1011	30	N591	2866.117	15942.899	5120.385	0	0	0
1012	30	N595	360.463	15114.933	3360.869	0	0	0
1013	30	N612	1317.321	17234.031	-4184.291	0	0	0
1014	30	N618	588.827	15224.375	3714.583	0	0	0
1015	30	N624	582.287	7386.797	-1277.251	0	0	0
1016	30	N625	994.022	18326.896	-3717.08	0	0	0
1017	30	N636	1019.26	5159.114	-178.821	0	0	0
1018	30	N637	2231.826	11440.399	-2233.592	0	0	0
1019	30	Totals:	0	429539.438	2418.624			
1020	30	COG (in):	X: -732	Y: 20.941	Z: 238.179			
1021	31	N2	-335.302	5788.23	-17.258	0	0	0
1022	31	N1	-85.736	8052.23	1662.981	0	0	0
1023	31	N4	-2222.968	14566.283	-4559.539	0	0	0
1024	31	N3	-1848.769	10744.32	2106.398	0	0	0
1025	31	N91	-227.949	14305.573	-3471.296	0	0	0
1026	31	N125	-957.077	16127.194	3943.889	0	0	0
1027	31	N126	-630.581	18503.716	3906.329	0	0	0
1028	31	N92	8.418	15624.352	-3571.248	0	0	0
1029	31	N154	460.281	13415.366	4304.589	0	0	0
1030	31	N301	-865.409	17515.781	4029.742	0	0	0
1031	31	N318	278.013	15702.661	-3780.891	0	0	0
1032	31	N324	-612.339	13782.613	3435.255	0	0	0
1033	31	N330	-1353.621	10492.031	-2076.732	0	0	0
1034	31	N331	-74.77	20710.024	-4477.394	0	0	0
1035	31	N342	-1155.609	8055.163	427.802	0	0	0
1036	31	N343	140.668	9383.465	-1861.852	0	0	0
1037	31	N297	175.559	8451.918	1718.377	0	0	0
1038	31	N298	-71.702	6136.897	-90.197	0	0	0
1039	31	N445	-1741.455	11358.304	2324.175	0	0	0
1040	31	N446	-2116.318	15271.098	-4779.013	0	0	0
1041	31	N531	-112.549	14947.41	-3561.556	0	0	0
1042	31	N532	124.746	15914.585	-3633.147	0	0	0
1043	31	N565	-846.98	16849.318	3998.609	0	0	0
1044	31	N566	-511.953	18888.187	4022.207	0	0	0
1045	31	N591	677.662	12980.767	4157.978	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1046	31	N595	-616.226	16760.111	3899.829	0	0	0
1047	31	N612	515.237	15227.608	-3721.36	0	0	0
1048	31	N618	-366.141	13385.713	3311.814	0	0	0
1049	31	N624	-955.725	9738.286	-1974.296	0	0	0
1050	31	N625	178.029	19808.597	-4270.316	0	0	0
1051	31	N636	-752.57	7372.594	314.692	0	0	0
1052	31	N637	355.417	9067.908	-1718.572	0	0	0
1053	31	Totals:	-15547.716	424928.303	0			
1054	31	COG (in):	X: -732.768	Y: 21.221	Z: 240			
1055	32	N2	-324.572	5933.586	-40.194	0	0	0
1056	32	N1	-71.797	8228.396	1705.984	0	0	0
1057	32	N4	-2252.038	14856.111	-4684.419	0	0	0
1058	32	N3	-1873.013	10972.442	2191.188	0	0	0
1059	32	N91	-217.814	14579.044	-3531.451	0	0	0
1060	32	N125	-957.321	16432.367	4013.548	0	0	0
1061	32	N126	-625.466	18917.698	3978.628	0	0	0
1062	32	N92	22.029	15985.389	-3632.929	0	0	0
1063	32	N154	477.452	13584.789	4376.743	0	0	0
1064	32	N301	-872.982	17725.342	4065.466	0	0	0
1065	32	N318	278.475	15879.68	-3820.728	0	0	0
1066	32	N324	-617.934	13941.142	3469.32	0	0	0
1067	32	N330	-1362.672	10595.337	-2101.828	0	0	0
1068	32	N331	-77.375	20950.176	-4519.155	0	0	0
1069	32	N342	-1162.803	8140.681	441.196	0	0	0
1070	32	N343	155.09	9517.223	-1910.59	0	0	0
1071	32	N297	191.126	8630.167	1761.476	0	0	0
1072	32	N298	-59.328	6284.676	-113.243	0	0	0
1073	32	N445	-1765.503	11587.564	2408.07	0	0	0
1074	32	N446	-2145.157	15561.569	-4903.147	0	0	0
1075	32	N531	-103.284	15219.967	-3619.648	0	0	0
1076	32	N532	137.379	16273.652	-3694.34	0	0	0
1077	32	N565	-848.098	17153.637	4066.713	0	0	0
1078	32	N566	-507.835	19299.629	4093.696	0	0	0
1079	32	N591	707.333	13270.968	4282.666	0	0	0
1080	32	N595	-630.162	17121.909	3961.688	0	0	0
1081	32	N612	515.196	15532.476	-3791.307	0	0	0
1082	32	N618	-376.574	13658.883	3372.347	0	0	0
1083	32	N624	-969.667	9913.6	-2017.296	0	0	0
1084	32	N625	172.6	20223.48	-4342.843	0	0	0
1085	32	N636	-763.305	7517.02	337.576	0	0	0
1086	32	N637	380.306	9296.344	-1803.186	0	0	0
1087	32	Totals:	-15547.716	432784.943	0			
1088	32	COG (in):	X: -733.185	Y: 22.906	Z: 240			
1089	33	N2	-228.765	5959.425	128.027	0	0	0
1090	33	N1	45.727	8277.642	1385.383	0	0	0
1091	33	N4	-1227.115	13572.152	-4333.523	0	0	0
1092	33	N3	-825.398	9755.586	2042.442	0	0	0
1093	33	N91	-156.119	14061.873	-3586.473	0	0	0
1094	33	N125	-711.905	15804.016	3848.027	0	0	0
1095	33	N126	-408.086	17655.203	3770.003	0	0	0
1096	33	N92	74.16	14783.948	-3254.489	0	0	0
1097	33	N154	-746.881	11440.178	3727.78	0	0	0
1098	33	N301	-833.747	16178.659	3650.364	0	0	0
1099	33	N318	152.059	14369.786	-3518.181	0	0	0
1100	33	N324	-588.962	12634.769	3340.278	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1101	33	N330	-1487.892	10608.02	-1773.107	0	0	0
1102	33	N331	-164.326	19237.012	-4209.562	0	0	0
1103	33	N342	-1273.241	8184.876	255.343	0	0	0
1104	33	N343	-1081.203	7544.824	-1472.271	0	0	0
1105	33	N297	103.284	8355.399	1377.095	0	0	0
1106	33	N298	-172.998	6043.509	137.848	0	0	0
1107	33	N445	-831.318	9898.769	2026.311	0	0	0
1108	33	N446	-1234.75	13699.948	-4321.239	0	0	0
1109	33	N531	-228.874	14041.949	-3540.437	0	0	0
1110	33	N532	0.231	14595.826	-3232.085	0	0	0
1111	33	N565	-787.043	15773.044	3819.085	0	0	0
1112	33	N566	-487.431	17442.326	3732.776	0	0	0
1113	33	N591	-630.432	11708.464	3866.466	0	0	0
1114	33	N595	-779.68	16050.44	3630.183	0	0	0
1115	33	N612	204.949	14780.798	-3571.25	0	0	0
1116	33	N618	-534.353	13018.823	3377.796	0	0	0
1117	33	N624	-1299.755	10248.786	-1752.304	0	0	0
1118	33	N625	-110.778	19104.129	-4185.387	0	0	0
1119	33	N636	-1082.687	7826.549	234.569	0	0	0
1120	33	N637	-968.396	7799.961	-1599.468	0	0	0
1121	33	Totals:	-18301.725	400456.691	0			
1122	33	COG (in):	X: -733.288	Y: 7.638	Z: 240			
1123	34	N2	-128.553	6270.388	88.202	0	0	0
1124	34	N1	148.993	8628.458	1441.923	0	0	0
1125	34	N4	-1025.018	13703.824	-4448.605	0	0	0
1126	34	N3	-618.751	9819.318	2120.153	0	0	0
1127	34	N91	-133.85	14293.539	-3633.905	0	0	0
1128	34	N125	-702.371	16068.025	3897.765	0	0	0
1129	34	N126	-393.578	18107.974	3852.767	0	0	0
1130	34	N92	99.189	15171.615	-3318.735	0	0	0
1131	34	N154	-637.114	11846.697	3910.441	0	0	0
1132	34	N301	-759.145	16443.798	3664.631	0	0	0
1133	34	N318	208.153	14759.558	-3621.384	0	0	0
1134	34	N324	-512.994	12993.702	3435.18	0	0	0
1135	34	N330	-1383.89	10680.31	-1773.546	0	0	0
1136	34	N331	-111.845	19550.312	-4239.123	0	0	0
1137	34	N342	-1155.701	8226.619	234.153	0	0	0
1138	34	N343	-987.43	7889.939	-1609.877	0	0	0
1139	34	N297	207.246	8707.142	1433.687	0	0	0
1140	34	N298	-72.086	6355.518	97.969	0	0	0
1141	34	N445	-624.573	9962.913	2103.685	0	0	0
1142	34	N446	-1032.558	13831.859	-4436.037	0	0	0
1143	34	N531	-206.928	14273.22	-3587.064	0	0	0
1144	34	N532	24.895	14982.741	-3296.139	0	0	0
1145	34	N565	-777.833	16036.678	3868.201	0	0	0
1146	34	N566	-473.293	17894.13	3815.219	0	0	0
1147	34	N591	-520.708	12114.785	4049.441	0	0	0
1148	34	N595	-705.459	16316.294	3644.671	0	0	0
1149	34	N612	260.709	15171.273	-3675.224	0	0	0
1150	34	N618	-458.72	13378.482	3473.67	0	0	0
1151	34	N624	-1194.893	10319.971	-1752.689	0	0	0
1152	34	N625	-58.686	19418.375	-4215.32	0	0	0
1153	34	N636	-964.273	7867.047	213.345	0	0	0
1154	34	N637	-874.662	8144.666	-1737.454	0	0	0
1155	34	Totals:	-15565.725	409229.171	0			

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1156	34	COG (in):	X: -733.26	Y: 9.918	Z: 240			
1157	35	N2	-610.671	5074.199	269.401	0	0	0
1158	35	N1	-476.899	7360.356	1456.834	0	0	0
1159	35	N4	-2200.089	14048.278	-4236.216	0	0	0
1160	35	N3	-2003.317	10931.095	2298.925	0	0	0
1161	35	N91	-394.842	14368.615	-3524.828	0	0	0
1162	35	N125	-842.023	15952.286	3889.906	0	0	0
1163	35	N126	-539.027	17142.53	3664.467	0	0	0
1164	35	N92	-170.121	14689.432	-3214.536	0	0	0
1165	35	N154	771.771	13289.356	4294.069	0	0	0
1166	35	N301	-507.507	15218.536	3468.603	0	0	0
1167	35	N318	528.461	15314.243	-3669.438	0	0	0
1168	35	N324	-275.196	13283.892	3313.653	0	0	0
1169	35	N330	-834.769	8991.746	-1524.196	0	0	0
1170	35	N331	212.206	18523.71	-3976.204	0	0	0
1171	35	N342	-549.165	6865.932	224.69	0	0	0
1172	35	N343	258.723	8626.286	-1525.962	0	0	0
1173	35	N297	773.594	9181.377	1768.244	0	0	0
1174	35	N298	614.267	6723.651	-48.637	0	0	0
1175	35	N445	-448.393	9516.077	1978.206	0	0	0
1176	35	N446	-625.537	12422.432	-3755.639	0	0	0
1177	35	N531	196.788	13553.829	-3318.453	0	0	0
1178	35	N532	426.546	15602.286	-3503.28	0	0	0
1179	35	N565	-426.424	15021.529	3543.83	0	0	0
1180	35	N566	-115.363	18092.369	3939.83	0	0	0
1181	35	N591	2385.895	14659.295	4670.937	0	0	0
1182	35	N595	60.942	14376.35	3212.084	0	0	0
1183	35	N612	967.01	16128.086	-3934.901	0	0	0
1184	35	N618	288.886	14227.931	3604.81	0	0	0
1185	35	N624	339.586	7292.83	-1232.319	0	0	0
1186	35	N625	661.703	17491.643	-3633.283	0	0	0
1187	35	N636	755.928	5105.967	-115.355	0	0	0
1188	35	N637	1777.037	10284.826	-1966.617	0	0	0
1189	35	Totals:	0	399360.971	2418.624			
1190	35	COG (in):	X: -732	Y: 9.627	Z: 238.042			
1191	36	N2	-603.779	5167.499	254.656	0	0	0
1192	36	N1	-467.947	7473.458	1484.488	0	0	0
1193	36	N4	-2218.81	14234.611	-4316.472	0	0	0
1194	36	N3	-2018.996	11077.813	2353.406	0	0	0
1195	36	N91	-388.282	14544.368	-3563.542	0	0	0
1196	36	N125	-842.153	16148.42	3934.736	0	0	0
1197	36	N126	-535.707	17408.772	3710.989	0	0	0
1198	36	N92	-161.323	14921.611	-3254.206	0	0	0
1199	36	N154	790.388	13476.155	4373.835	0	0	0
1200	36	N301	-515.689	15449.438	3507.946	0	0	0
1201	36	N318	529.134	15509.804	-3713.267	0	0	0
1202	36	N324	-281.209	13459.025	3351.053	0	0	0
1203	36	N330	-844.76	9106.222	-1551.912	0	0	0
1204	36	N331	209.507	18788.334	-4022.189	0	0	0
1205	36	N342	-557.101	6960.767	239.504	0	0	0
1206	36	N343	274.268	8773.716	-1579.852	0	0	0
1207	36	N297	783.582	9295.829	1795.965	0	0	0
1208	36	N298	622.205	6818.516	-63.453	0	0	0
1209	36	N445	-463.955	9663.531	2032.1	0	0	0
1210	36	N446	-644.139	12609.208	-3835.398	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1211	36	N531	202.801	13728.968	-3355.855	0	0	0
1212	36	N532	434.728	15833.201	-3542.626	0	0	0
1213	36	N565	-427.094	15217.082	3587.654	0	0	0
1214	36	N566	-112.663	18356.976	3985.811	0	0	0
1215	36	N591	2404.632	14845.65	4751.2	0	0	0
1216	36	N595	52.144	14608.517	3251.75	0	0	0
1217	36	N612	967.142	16324.228	-3979.736	0	0	0
1218	36	N618	282.326	14403.678	3643.523	0	0	0
1219	36	N624	330.631	7405.956	-1259.969	0	0	0
1220	36	N625	658.384	17757.903	-3679.81	0	0	0
1221	36	N636	749.039	5199.237	-100.611	0	0	0
1222	36	N637	1792.699	10431.519	-2021.093	0	0	0
1223	36	Totals:	0	405000.011	2418.624			
1224	36	COG (in):	X: -732	Y: 11.081	Z: 238.069			
1225	37	N2	-335.302	5788.23	-17.258	0	0	0
1226	37	N1	-85.736	8052.23	1662.981	0	0	0
1227	37	N4	-2222.968	14566.283	-4559.539	0	0	0
1228	37	N3	-1848.769	10744.32	2106.398	0	0	0
1229	37	N91	-227.949	14305.573	-3471.296	0	0	0
1230	37	N125	-957.077	16127.194	3943.889	0	0	0
1231	37	N126	-630.581	18503.716	3906.329	0	0	0
1232	37	N92	8.418	15624.352	-3571.248	0	0	0
1233	37	N154	460.281	13415.366	4304.589	0	0	0
1234	37	N301	-865.409	17515.781	4029.742	0	0	0
1235	37	N318	278.013	15702.661	-3780.891	0	0	0
1236	37	N324	-612.339	13782.613	3435.255	0	0	0
1237	37	N330	-1353.621	10492.031	-2076.732	0	0	0
1238	37	N331	-74.77	20710.024	-4477.394	0	0	0
1239	37	N342	-1155.609	8055.163	427.802	0	0	0
1240	37	N343	140.668	9383.465	-1861.852	0	0	0
1241	37	N297	175.559	8451.918	1718.377	0	0	0
1242	37	N298	-71.702	6136.897	-90.197	0	0	0
1243	37	N445	-1741.455	11358.304	2324.175	0	0	0
1244	37	N446	-2116.318	15271.098	-4779.013	0	0	0
1245	37	N531	-112.549	14947.41	-3561.556	0	0	0
1246	37	N532	124.746	15914.585	-3633.147	0	0	0
1247	37	N565	-846.98	16849.318	3998.609	0	0	0
1248	37	N566	-511.953	18888.187	4022.207	0	0	0
1249	37	N591	677.662	12980.767	4157.978	0	0	0
1250	37	N595	-616.226	16760.111	3899.829	0	0	0
1251	37	N612	515.237	15227.608	-3721.36	0	0	0
1252	37	N618	-366.141	13385.713	3311.814	0	0	0
1253	37	N624	-955.725	9738.286	-1974.296	0	0	0
1254	37	N625	178.029	19808.597	-4270.316	0	0	0
1255	37	N636	-752.57	7372.594	314.692	0	0	0
1256	37	N637	355.417	9067.908	-1718.572	0	0	0
1257	37	Totals:	-15547.716	424928.303	0			
1258	37	COG (in):	X: -732.768	Y: 21.221	Z: 240			
1259	38	N2	-324.572	5933.586	-40.194	0	0	0
1260	38	N1	-71.797	8228.396	1705.984	0	0	0
1261	38	N4	-2252.038	14856.111	-4684.419	0	0	0
1262	38	N3	-1873.013	10972.442	2191.188	0	0	0
1263	38	N91	-217.814	14579.044	-3531.451	0	0	0
1264	38	N125	-957.321	16432.367	4013.548	0	0	0
1265	38	N126	-625.466	18917.698	3978.628	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1266	38	N92	22.029	15985.389	-3632.929	0	0	0
1267	38	N154	477.452	13584.789	4376.743	0	0	0
1268	38	N301	-872.982	17725.342	4065.466	0	0	0
1269	38	N318	278.475	15879.68	-3820.728	0	0	0
1270	38	N324	-617.934	13941.142	3469.32	0	0	0
1271	38	N330	-1362.672	10595.337	-2101.828	0	0	0
1272	38	N331	-77.375	20950.176	-4519.155	0	0	0
1273	38	N342	-1162.803	8140.681	441.196	0	0	0
1274	38	N343	155.09	9517.223	-1910.59	0	0	0
1275	38	N297	191.126	8630.167	1761.476	0	0	0
1276	38	N298	-59.328	6284.676	-113.243	0	0	0
1277	38	N445	-1765.503	11587.564	2408.07	0	0	0
1278	38	N446	-2145.157	15561.569	-4903.147	0	0	0
1279	38	N531	-103.284	15219.967	-3619.648	0	0	0
1280	38	N532	137.379	16273.652	-3694.34	0	0	0
1281	38	N565	-848.098	17153.637	4066.713	0	0	0
1282	38	N566	-507.835	19299.629	4093.696	0	0	0
1283	38	N591	707.333	13270.968	4282.666	0	0	0
1284	38	N595	-630.162	17121.909	3961.688	0	0	0
1285	38	N612	515.196	15532.476	-3791.307	0	0	0
1286	38	N618	-376.574	13658.883	3372.347	0	0	0
1287	38	N624	-969.667	9913.6	-2017.296	0	0	0
1288	38	N625	172.6	20223.48	-4342.843	0	0	0
1289	38	N636	-763.305	7517.02	337.576	0	0	0
1290	38	N637	380.306	9296.344	-1803.186	0	0	0
1291	38	Totals:	-15547.716	432784.943	0			
1292	38	COG (in):	X: -733.185	Y: 22.906	Z: 240			
1293	39	N2	-228.765	5959.425	128.027	0	0	0
1294	39	N1	45.727	8277.642	1385.383	0	0	0
1295	39	N4	-1227.115	13572.152	-4333.523	0	0	0
1296	39	N3	-825.398	9755.586	2042.442	0	0	0
1297	39	N91	-156.119	14061.873	-3586.473	0	0	0
1298	39	N125	-711.905	15804.016	3848.027	0	0	0
1299	39	N126	-408.086	17655.203	3770.003	0	0	0
1300	39	N92	74.16	14783.948	-3254.489	0	0	0
1301	39	N154	-746.881	11440.178	3727.78	0	0	0
1302	39	N301	-833.747	16178.659	3650.364	0	0	0
1303	39	N318	152.059	14369.786	-3518.181	0	0	0
1304	39	N324	-588.962	12634.769	3340.278	0	0	0
1305	39	N330	-1487.892	10608.02	-1773.107	0	0	0
1306	39	N331	-164.326	19237.012	-4209.562	0	0	0
1307	39	N342	-1273.241	8184.876	255.343	0	0	0
1308	39	N343	-1081.203	7544.824	-1472.271	0	0	0
1309	39	N297	103.284	8355.399	1377.095	0	0	0
1310	39	N298	-172.998	6043.509	137.848	0	0	0
1311	39	N445	-831.318	9898.769	2026.311	0	0	0
1312	39	N446	-1234.75	13699.948	-4321.239	0	0	0
1313	39	N531	-228.874	14041.949	-3540.437	0	0	0
1314	39	N532	0.231	14595.826	-3232.085	0	0	0
1315	39	N565	-787.043	15773.044	3819.085	0	0	0
1316	39	N566	-487.431	17442.326	3732.776	0	0	0
1317	39	N591	-630.432	11708.464	3866.466	0	0	0
1318	39	N595	-779.68	16050.44	3630.183	0	0	0
1319	39	N612	204.949	14780.798	-3571.25	0	0	0
1320	39	N618	-534.353	13018.823	3377.796	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1321	39	N624	-1299.755	10248.786	-1752.304	0	0	0
1322	39	N625	-110.778	19104.129	-4185.387	0	0	0
1323	39	N636	-1082.687	7826.549	234.569	0	0	0
1324	39	N637	-968.396	7799.961	-1599.468	0	0	0
1325	39	Totals:	-18301.725	400456.691	0			
1326	39	COG (in):	X: -733.288	Y: 7.638	Z: 240			
1327	40	N2	-128.553	6270.388	88.202	0	0	0
1328	40	N1	148.993	8628.458	1441.923	0	0	0
1329	40	N4	-1025.018	13703.824	-4448.605	0	0	0
1330	40	N3	-618.751	9819.318	2120.153	0	0	0
1331	40	N91	-133.85	14293.539	-3633.905	0	0	0
1332	40	N125	-702.371	16068.025	3897.765	0	0	0
1333	40	N126	-393.578	18107.974	3852.767	0	0	0
1334	40	N92	99.189	15171.615	-3318.735	0	0	0
1335	40	N154	-637.114	11846.697	3910.441	0	0	0
1336	40	N301	-759.145	16443.798	3664.631	0	0	0
1337	40	N318	208.153	14759.558	-3621.384	0	0	0
1338	40	N324	-512.994	12993.702	3435.18	0	0	0
1339	40	N330	-1383.89	10680.31	-1773.546	0	0	0
1340	40	N331	-111.845	19550.312	-4239.123	0	0	0
1341	40	N342	-1155.701	8226.619	234.153	0	0	0
1342	40	N343	-987.43	7889.939	-1609.877	0	0	0
1343	40	N297	207.246	8707.142	1433.687	0	0	0
1344	40	N298	-72.086	6355.518	97.969	0	0	0
1345	40	N445	-624.573	9962.913	2103.685	0	0	0
1346	40	N446	-1032.558	13831.859	-4436.037	0	0	0
1347	40	N531	-206.928	14273.22	-3587.064	0	0	0
1348	40	N532	24.895	14982.741	-3296.139	0	0	0
1349	40	N565	-777.833	16036.678	3868.201	0	0	0
1350	40	N566	-473.293	17894.13	3815.219	0	0	0
1351	40	N591	-520.708	12114.785	4049.441	0	0	0
1352	40	N595	-705.459	16316.294	3644.671	0	0	0
1353	40	N612	260.709	15171.273	-3675.224	0	0	0
1354	40	N618	-458.72	13378.482	3473.67	0	0	0
1355	40	N624	-1194.893	10319.971	-1752.689	0	0	0
1356	40	N625	-58.686	19418.375	-4215.32	0	0	0
1357	40	N636	-964.273	7867.047	213.345	0	0	0
1358	40	N637	-874.662	8144.666	-1737.454	0	0	0
1359	40	Totals:	-15565.725	409229.171	0			
1360	40	COG (in):	X: -733.26	Y: 9.918	Z: 240			
1361	41	N2	-610.671	5074.199	269.401	0	0	0
1362	41	N1	-476.899	7360.356	1456.834	0	0	0
1363	41	N4	-2200.089	14048.278	-4236.216	0	0	0
1364	41	N3	-2003.317	10931.095	2298.925	0	0	0
1365	41	N91	-394.842	14368.615	-3524.828	0	0	0
1366	41	N125	-842.023	15952.286	3889.906	0	0	0
1367	41	N126	-539.027	17142.53	3664.467	0	0	0
1368	41	N92	-170.121	14689.432	-3214.536	0	0	0
1369	41	N154	771.771	13289.356	4294.069	0	0	0
1370	41	N301	-507.507	15218.536	3468.603	0	0	0
1371	41	N318	528.461	15314.243	-3669.438	0	0	0
1372	41	N324	-275.196	13283.892	3313.653	0	0	0
1373	41	N330	-834.769	8991.746	-1524.196	0	0	0
1374	41	N331	212.206	18523.71	-3976.204	0	0	0
1375	41	N342	-549.165	6865.932	224.69	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1376	41	N343	258.723	8626.286	-1525.962	0	0	0
1377	41	N297	773.594	9181.377	1768.244	0	0	0
1378	41	N298	614.267	6723.651	-48.637	0	0	0
1379	41	N445	-448.393	9516.077	1978.206	0	0	0
1380	41	N446	-625.537	12422.432	-3755.639	0	0	0
1381	41	N531	196.788	13553.829	-3318.453	0	0	0
1382	41	N532	426.546	15602.286	-3503.28	0	0	0
1383	41	N565	-426.424	15021.529	3543.83	0	0	0
1384	41	N566	-115.363	18092.369	3939.83	0	0	0
1385	41	N591	2385.895	14659.295	4670.937	0	0	0
1386	41	N595	60.942	14376.35	3212.084	0	0	0
1387	41	N612	967.01	16128.086	-3934.901	0	0	0
1388	41	N618	288.886	14227.931	3604.81	0	0	0
1389	41	N624	339.586	7292.83	-1232.319	0	0	0
1390	41	N625	661.703	17491.643	-3633.283	0	0	0
1391	41	N636	755.928	5105.967	-115.355	0	0	0
1392	41	N637	1777.037	10284.826	-1966.617	0	0	0
1393	41	Totals:	0	399360.971	2418.624			
1394	41	COG (in):	X: -732	Y: 9.627	Z: 238.042			
1395	42	N2	-603.779	5167.499	254.656	0	0	0
1396	42	N1	-467.947	7473.458	1484.488	0	0	0
1397	42	N4	-2218.81	14234.611	-4316.472	0	0	0
1398	42	N3	-2018.996	11077.813	2353.406	0	0	0
1399	42	N91	-388.282	14544.368	-3563.542	0	0	0
1400	42	N125	-842.153	16148.42	3934.736	0	0	0
1401	42	N126	-535.707	17408.772	3710.989	0	0	0
1402	42	N92	-161.323	14921.611	-3254.206	0	0	0
1403	42	N154	790.388	13476.155	4373.835	0	0	0
1404	42	N301	-515.689	15449.438	3507.946	0	0	0
1405	42	N318	529.134	15509.804	-3713.267	0	0	0
1406	42	N324	-281.209	13459.025	3351.053	0	0	0
1407	42	N330	-844.76	9106.222	-1551.912	0	0	0
1408	42	N331	209.507	18788.334	-4022.189	0	0	0
1409	42	N342	-557.101	6960.767	239.504	0	0	0
1410	42	N343	274.268	8773.716	-1579.852	0	0	0
1411	42	N297	783.582	9295.829	1795.965	0	0	0
1412	42	N298	622.205	6818.516	-63.453	0	0	0
1413	42	N445	-463.955	9663.531	2032.1	0	0	0
1414	42	N446	-644.139	12609.208	-3835.398	0	0	0
1415	42	N531	202.801	13728.968	-3355.855	0	0	0
1416	42	N532	434.728	15833.201	-3542.626	0	0	0
1417	42	N565	-427.094	15217.082	3587.654	0	0	0
1418	42	N566	-112.663	18356.976	3985.811	0	0	0
1419	42	N591	2404.632	14845.65	4751.2	0	0	0
1420	42	N595	52.144	14608.517	3251.75	0	0	0
1421	42	N612	967.142	16324.228	-3979.736	0	0	0
1422	42	N618	282.326	14403.678	3643.523	0	0	0
1423	42	N624	330.631	7405.956	-1259.969	0	0	0
1424	42	N625	658.384	17757.903	-3679.81	0	0	0
1425	42	N636	749.039	5199.237	-100.611	0	0	0
1426	42	N637	1792.699	10431.519	-2021.093	0	0	0
1427	42	Totals:	0	405000.011	2418.624			
1428	42	COG (in):	X: -732	Y: 11.081	Z: 238.069			
1429	43	N2	-335.302	5788.23	-17.258	0	0	0
1430	43	N1	-85.736	8052.23	1662.981	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1431	43	N4	-2222.968	14566.283	-4559.539	0	0	0
1432	43	N3	-1848.769	10744.32	2106.398	0	0	0
1433	43	N91	-227.949	14305.573	-3471.296	0	0	0
1434	43	N125	-957.077	16127.194	3943.889	0	0	0
1435	43	N126	-630.581	18503.716	3906.329	0	0	0
1436	43	N92	8.418	15624.352	-3571.248	0	0	0
1437	43	N154	460.281	13415.366	4304.589	0	0	0
1438	43	N301	-865.409	17515.781	4029.742	0	0	0
1439	43	N318	278.013	15702.661	-3780.891	0	0	0
1440	43	N324	-612.339	13782.613	3435.255	0	0	0
1441	43	N330	-1353.621	10492.031	-2076.732	0	0	0
1442	43	N331	-74.77	20710.024	-4477.394	0	0	0
1443	43	N342	-1155.609	8055.163	427.802	0	0	0
1444	43	N343	140.668	9383.465	-1861.852	0	0	0
1445	43	N297	175.559	8451.918	1718.377	0	0	0
1446	43	N298	-71.702	6136.897	-90.197	0	0	0
1447	43	N445	-1741.455	11358.304	2324.175	0	0	0
1448	43	N446	-2116.318	15271.098	-4779.013	0	0	0
1449	43	N531	-112.549	14947.41	-3561.556	0	0	0
1450	43	N532	124.746	15914.585	-3633.147	0	0	0
1451	43	N565	-846.98	16849.318	3998.609	0	0	0
1452	43	N566	-511.953	18888.187	4022.207	0	0	0
1453	43	N591	677.662	12980.767	4157.978	0	0	0
1454	43	N595	-616.226	16760.111	3899.829	0	0	0
1455	43	N612	515.237	15227.608	-3721.36	0	0	0
1456	43	N618	-366.141	13385.713	3311.814	0	0	0
1457	43	N624	-955.725	9738.286	-1974.296	0	0	0
1458	43	N625	178.029	19808.597	-4270.316	0	0	0
1459	43	N636	-752.57	7372.594	314.692	0	0	0
1460	43	N637	355.417	9067.908	-1718.572	0	0	0
1461	43	Totals:	-15547.716	424928.303	0			
1462	43	COG (in):	X: -732.768	Y: 21.221	Z: 240			
1463	44	N2	-324.572	5933.586	-40.194	0	0	0
1464	44	N1	-71.797	8228.396	1705.984	0	0	0
1465	44	N4	-2252.038	14856.111	-4684.419	0	0	0
1466	44	N3	-1873.013	10972.442	2191.188	0	0	0
1467	44	N91	-217.814	14579.044	-3531.451	0	0	0
1468	44	N125	-957.321	16432.367	4013.548	0	0	0
1469	44	N126	-625.466	18917.698	3978.628	0	0	0
1470	44	N92	22.029	15985.389	-3632.929	0	0	0
1471	44	N154	477.452	13584.789	4376.743	0	0	0
1472	44	N301	-872.982	17725.342	4065.466	0	0	0
1473	44	N318	278.475	15879.68	-3820.728	0	0	0
1474	44	N324	-617.934	13941.142	3469.32	0	0	0
1475	44	N330	-1362.672	10595.337	-2101.828	0	0	0
1476	44	N331	-77.375	20950.176	-4519.155	0	0	0
1477	44	N342	-1162.803	8140.681	441.196	0	0	0
1478	44	N343	155.09	9517.223	-1910.59	0	0	0
1479	44	N297	191.126	8630.167	1761.476	0	0	0
1480	44	N298	-59.328	6284.676	-113.243	0	0	0
1481	44	N445	-1765.503	11587.564	2408.07	0	0	0
1482	44	N446	-2145.157	15561.569	-4903.147	0	0	0
1483	44	N531	-103.284	15219.967	-3619.648	0	0	0
1484	44	N532	137.379	16273.652	-3694.34	0	0	0
1485	44	N565	-848.098	17153.637	4066.713	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1486	44	N566	-507.835	19299.629	4093.696	0	0	0
1487	44	N591	707.333	13270.968	4282.666	0	0	0
1488	44	N595	-630.162	17121.909	3961.688	0	0	0
1489	44	N612	515.196	15532.476	-3791.307	0	0	0
1490	44	N618	-376.574	13658.883	3372.347	0	0	0
1491	44	N624	-969.667	9913.6	-2017.296	0	0	0
1492	44	N625	172.6	20223.48	-4342.843	0	0	0
1493	44	N636	-763.305	7517.02	337.576	0	0	0
1494	44	N637	380.306	9296.344	-1803.186	0	0	0
1495	44	Totals:	-15547.716	432784.943	0			
1496	44	COG (in):	X: -733.185	Y: 22.906	Z: 240			
1497	45	N2	-228.765	5959.425	128.027	0	0	0
1498	45	N1	45.727	8277.642	1385.383	0	0	0
1499	45	N4	-1227.115	13572.152	-4333.523	0	0	0
1500	45	N3	-825.398	9755.586	2042.442	0	0	0
1501	45	N91	-156.119	14061.873	-3586.473	0	0	0
1502	45	N125	-711.905	15804.016	3848.027	0	0	0
1503	45	N126	-408.086	17655.203	3770.003	0	0	0
1504	45	N92	74.16	14783.948	-3254.489	0	0	0
1505	45	N154	-746.881	11440.178	3727.78	0	0	0
1506	45	N301	-833.747	16178.659	3650.364	0	0	0
1507	45	N318	152.059	14369.786	-3518.181	0	0	0
1508	45	N324	-588.962	12634.769	3340.278	0	0	0
1509	45	N330	-1487.892	10608.02	-1773.107	0	0	0
1510	45	N331	-164.326	19237.012	-4209.562	0	0	0
1511	45	N342	-1273.241	8184.876	255.343	0	0	0
1512	45	N343	-1081.203	7544.824	-1472.271	0	0	0
1513	45	N297	103.284	8355.399	1377.095	0	0	0
1514	45	N298	-172.998	6043.509	137.848	0	0	0
1515	45	N445	-831.318	9898.769	2026.311	0	0	0
1516	45	N446	-1234.75	13699.948	-4321.239	0	0	0
1517	45	N531	-228.874	14041.949	-3540.437	0	0	0
1518	45	N532	0.231	14595.826	-3232.085	0	0	0
1519	45	N565	-787.043	15773.044	3819.085	0	0	0
1520	45	N566	-487.431	17442.326	3732.776	0	0	0
1521	45	N591	-630.432	11708.464	3866.466	0	0	0
1522	45	N595	-779.68	16050.44	3630.183	0	0	0
1523	45	N612	204.949	14780.798	-3571.25	0	0	0
1524	45	N618	-534.353	13018.823	3377.796	0	0	0
1525	45	N624	-1299.755	10248.786	-1752.304	0	0	0
1526	45	N625	-110.778	19104.129	-4185.387	0	0	0
1527	45	N636	-1082.687	7826.549	234.569	0	0	0
1528	45	N637	-968.396	7799.961	-1599.468	0	0	0
1529	45	Totals:	-18301.725	400456.691	0			
1530	45	COG (in):	X: -733.288	Y: 7.638	Z: 240			
1531	46	N2	-128.553	6270.388	88.202	0	0	0
1532	46	N1	148.993	8628.458	1441.923	0	0	0
1533	46	N4	-1025.018	13703.824	-4448.605	0	0	0
1534	46	N3	-618.751	9819.318	2120.153	0	0	0
1535	46	N91	-133.85	14293.539	-3633.905	0	0	0
1536	46	N125	-702.371	16068.025	3897.765	0	0	0
1537	46	N126	-393.578	18107.974	3852.767	0	0	0
1538	46	N92	99.189	15171.615	-3318.735	0	0	0
1539	46	N154	-637.114	11846.697	3910.441	0	0	0
1540	46	N301	-759.145	16443.798	3664.631	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1541	46	N318	208.153	14759.558	-3621.384	0	0	0
1542	46	N324	-512.994	12993.702	3435.18	0	0	0
1543	46	N330	-1383.89	10680.31	-1773.546	0	0	0
1544	46	N331	-111.845	19550.312	-4239.123	0	0	0
1545	46	N342	-1155.701	8226.619	234.153	0	0	0
1546	46	N343	-987.43	7889.939	-1609.877	0	0	0
1547	46	N297	207.246	8707.142	1433.687	0	0	0
1548	46	N298	-72.086	6355.518	97.969	0	0	0
1549	46	N445	-624.573	9962.913	2103.685	0	0	0
1550	46	N446	-1032.558	13831.859	-4436.037	0	0	0
1551	46	N531	-206.928	14273.22	-3587.064	0	0	0
1552	46	N532	24.895	14982.741	-3296.139	0	0	0
1553	46	N565	-777.833	16036.678	3868.201	0	0	0
1554	46	N566	-473.293	17894.13	3815.219	0	0	0
1555	46	N591	-520.708	12114.785	4049.441	0	0	0
1556	46	N595	-705.459	16316.294	3644.671	0	0	0
1557	46	N612	260.709	15171.273	-3675.224	0	0	0
1558	46	N618	-458.72	13378.482	3473.67	0	0	0
1559	46	N624	-1194.893	10319.971	-1752.689	0	0	0
1560	46	N625	-58.686	19418.375	-4215.32	0	0	0
1561	46	N636	-964.273	7867.047	213.345	0	0	0
1562	46	N637	-874.662	8144.666	-1737.454	0	0	0
1563	46	Totals:	-15565.725	409229.171	0			
1564	46	COG (in):	X: -733.26	Y: 9.918	Z: 240			
1565	47	N2	-610.671	5074.199	269.401	0	0	0
1566	47	N1	-476.899	7360.356	1456.834	0	0	0
1567	47	N4	-2200.089	14048.278	-4236.216	0	0	0
1568	47	N3	-2003.317	10931.095	2298.925	0	0	0
1569	47	N91	-394.842	14368.615	-3524.828	0	0	0
1570	47	N125	-842.023	15952.286	3889.906	0	0	0
1571	47	N126	-539.027	17142.53	3664.467	0	0	0
1572	47	N92	-170.121	14689.432	-3214.536	0	0	0
1573	47	N154	771.771	13289.356	4294.069	0	0	0
1574	47	N301	-507.507	15218.536	3468.603	0	0	0
1575	47	N318	528.461	15314.243	-3669.438	0	0	0
1576	47	N324	-275.196	13283.892	3313.653	0	0	0
1577	47	N330	-834.769	8991.746	-1524.196	0	0	0
1578	47	N331	212.206	18523.71	-3976.204	0	0	0
1579	47	N342	-549.165	6865.932	224.69	0	0	0
1580	47	N343	258.723	8626.286	-1525.962	0	0	0
1581	47	N297	773.594	9181.377	1768.244	0	0	0
1582	47	N298	614.267	6723.651	-48.637	0	0	0
1583	47	N445	-448.393	9516.077	1978.206	0	0	0
1584	47	N446	-625.537	12422.432	-3755.639	0	0	0
1585	47	N531	196.788	13553.829	-3318.453	0	0	0
1586	47	N532	426.546	15602.286	-3503.28	0	0	0
1587	47	N565	-426.424	15021.529	3543.83	0	0	0
1588	47	N566	-115.363	18092.369	3939.83	0	0	0
1589	47	N591	2385.895	14659.295	4670.937	0	0	0
1590	47	N595	60.942	14376.35	3212.084	0	0	0
1591	47	N612	967.01	16128.086	-3934.901	0	0	0
1592	47	N618	288.886	14227.931	3604.81	0	0	0
1593	47	N624	339.586	7292.83	-1232.319	0	0	0
1594	47	N625	661.703	17491.643	-3633.283	0	0	0
1595	47	N636	755.928	5105.967	-115.355	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1596	47	N637	1777.037	10284.826	-1966.617	0	0	0
1597	47	Totals:	0	399360.971	2418.624			
1598	47	COG (in):	X: -732	Y: 9.627	Z: 238.042			
1599	48	N2	-603.779	5167.499	254.656	0	0	0
1600	48	N1	-467.947	7473.458	1484.488	0	0	0
1601	48	N4	-2218.81	14234.611	-4316.472	0	0	0
1602	48	N3	-2018.996	11077.813	2353.406	0	0	0
1603	48	N91	-388.282	14544.368	-3563.542	0	0	0
1604	48	N125	-842.153	16148.42	3934.736	0	0	0
1605	48	N126	-535.707	17408.772	3710.989	0	0	0
1606	48	N92	-161.323	14921.611	-3254.206	0	0	0
1607	48	N154	790.388	13476.155	4373.835	0	0	0
1608	48	N301	-515.689	15449.438	3507.946	0	0	0
1609	48	N318	529.134	15509.804	-3713.267	0	0	0
1610	48	N324	-281.209	13459.025	3351.053	0	0	0
1611	48	N330	-844.76	9106.222	-1551.912	0	0	0
1612	48	N331	209.507	18788.334	-4022.189	0	0	0
1613	48	N342	-557.101	6960.767	239.504	0	0	0
1614	48	N343	274.268	8773.716	-1579.852	0	0	0
1615	48	N297	783.582	9295.829	1795.965	0	0	0
1616	48	N298	622.205	6818.516	-63.453	0	0	0
1617	48	N445	-463.955	9663.531	2032.1	0	0	0
1618	48	N446	-644.139	12609.208	-3835.398	0	0	0
1619	48	N531	202.801	13728.968	-3355.855	0	0	0
1620	48	N532	434.728	15833.201	-3542.626	0	0	0
1621	48	N565	-427.094	15217.082	3587.654	0	0	0
1622	48	N566	-112.663	18356.976	3985.811	0	0	0
1623	48	N591	2404.632	14845.65	4751.2	0	0	0
1624	48	N595	52.144	14608.517	3251.75	0	0	0
1625	48	N612	967.142	16324.228	-3979.736	0	0	0
1626	48	N618	282.326	14403.678	3643.523	0	0	0
1627	48	N624	330.631	7405.956	-1259.969	0	0	0
1628	48	N625	658.384	17757.903	-3679.81	0	0	0
1629	48	N636	749.039	5199.237	-100.611	0	0	0
1630	48	N637	1792.699	10431.519	-2021.093	0	0	0
1631	48	Totals:	0	405000.011	2418.624			
1632	48	COG (in):	X: -732	Y: 11.081	Z: 238.069			
1633	49	N2	-609.985	76.758	-61.364	0	0	0
1634	49	N1	-571.598	219.06	269.606	0	0	0
1635	49	N4	-1646.231	3193.888	-911.408	0	0	0
1636	49	N3	-1589.644	2777.809	564.129	0	0	0
1637	49	N91	-220.783	1963.833	-457.163	0	0	0
1638	49	N125	-290.044	2197.177	592.009	0	0	0
1639	49	N126	-251.589	1902.371	336.298	0	0	0
1640	49	N92	-195.068	1572.254	-331.675	0	0	0
1641	49	N154	-503.476	1432.15	517.247	0	0	0
1642	49	N301	-743.436	3591.712	857.511	0	0	0
1643	49	N318	-415.484	1389.622	-371.045	0	0	0
1644	49	N324	-695.371	1079.603	352.035	0	0	0
1645	49	N330	-1001.457	2877.13	-747.863	0	0	0
1646	49	N331	-478.963	4242.161	-955.285	0	0	0
1647	49	N342	-1026.147	2552.407	522.053	0	0	0
1648	49	N343	-491.531	810.341	-174.613	0	0	0
1649	49	N297	-572.762	149.283	269.939	0	0	0
1650	49	N298	-613.935	-16.924	-69.224	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1651	49	N445	-1643.576	3444.695	787.68	0	0	0
1652	49	N446	-1705.446	3910.883	-1147.755	0	0	0
1653	49	N531	-268.59	2631.644	-522.094	0	0	0
1654	49	N532	-241.47	1453.029	-330.983	0	0	0
1655	49	N565	-341.432	2918.719	662.08	0	0	0
1656	49	N566	-301.496	1811.679	350.279	0	0	0
1657	49	N591	-414.915	1078.834	378.754	0	0	0
1658	49	N595	-613.296	3091.722	767.854	0	0	0
1659	49	N612	-297.932	1000.769	-295.315	0	0	0
1660	49	N618	-569.329	741.339	243.811	0	0	0
1661	49	N624	-819.459	2473.534	-684.829	0	0	0
1662	49	N625	-350.593	3645.324	-820.204	0	0	0
1663	49	N636	-843.154	2199.406	460.643	0	0	0
1664	49	N637	-402.095	544.35	-51.107	0	0	0
1665	49	Totals:	-20730.288	62956.563	0			
1666	49	COG (in):	X: -738.908	Y: 57.842	Z: 240			
1667	50	N2	-595.674	270.569	-91.95	0	0	0
1668	50	N1	-553.01	453.961	326.94	0	0	0
1669	50	N4	-1684.976	3580.309	-1077.92	0	0	0
1670	50	N3	-1621.972	3081.97	677.183	0	0	0
1671	50	N91	-207.271	2328.464	-537.364	0	0	0
1672	50	N125	-290.38	2604.083	684.893	0	0	0
1673	50	N126	-244.778	2454.349	432.708	0	0	0
1674	50	N92	-176.922	2053.623	-413.912	0	0	0
1675	50	N154	-480.51	1658.083	613.425	0	0	0
1676	50	N301	-753.577	3871.239	905.17	0	0	0
1677	50	N318	-414.903	1625.607	-424.205	0	0	0
1678	50	N324	-702.87	1290.931	397.503	0	0	0
1679	50	N330	-1013.527	3014.757	-781.319	0	0	0
1680	50	N331	-482.473	4562.5	-1011.01	0	0	0
1681	50	N342	-1035.743	2666.304	539.903	0	0	0
1682	50	N343	-472.214	988.725	-239.569	0	0	0
1683	50	N297	-551.996	386.966	327.401	0	0	0
1684	50	N298	-597.424	180.126	-99.956	0	0	0
1685	50	N445	-1675.64	3750.366	899.547	0	0	0
1686	50	N446	-1743.876	4298.15	-1313.28	0	0	0
1687	50	N531	-256.243	2995.067	-599.539	0	0	0
1688	50	N532	-224.633	1931.765	-412.568	0	0	0
1689	50	N565	-342.941	3324.497	752.888	0	0	0
1690	50	N566	-296.021	2360.261	445.61	0	0	0
1691	50	N591	-375.234	1465.826	544.963	0	0	0
1692	50	N595	-631.949	3574.311	850.383	0	0	0
1693	50	N612	-298.043	1407.198	-388.651	0	0	0
1694	50	N618	-583.304	1105.5	324.606	0	0	0
1695	50	N624	-838.052	2707.095	-742.154	0	0	0
1696	50	N625	-357.894	4198.731	-916.981	0	0	0
1697	50	N636	-857.471	2391.758	491.139	0	0	0
1698	50	N637	-368.766	848.989	-163.884	0	0	0
1699	50	Totals:	-20730.288	73432.083	0			
1700	50	COG (in):	X: -741.315	Y: 65.853	Z: 240			
1701	51	N2	-468.29	304.167	132.409	0	0	0
1702	51	N1	-396.758	517.695	-101.014	0	0	0
1703	51	N4	-319.862	1870.442	-610.124	0	0	0
1704	51	N3	-226.555	1462.328	479.183	0	0	0
1705	51	N91	-125.345	1640.54	-610.588	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1706	51	N125	36.563	1767.622	464.212	0	0	0
1707	51	N126	44.763	769.509	154.137	0	0	0
1708	51	N92	-107.766	450.799	90.966	0	0	0
1709	51	N154	-2111.449	-1199.972	-252.521	0	0	0
1710	51	N301	-701.143	1806.812	351.171	0	0	0
1711	51	N318	-583.501	-387.498	-20.526	0	0	0
1712	51	N324	-664.156	-450.404	225.124	0	0	0
1713	51	N330	-1180.174	3029.561	-342.23	0	0	0
1714	51	N331	-598.415	2275.32	-597.647	0	0	0
1715	51	N342	-1182.757	2724.169	291.864	0	0	0
1716	51	N343	-2119.127	-1638.878	345.052	0	0	0
1717	51	N297	-669.129	19.305	-185.538	0	0	0
1718	51	N298	-748.937	-141.707	234.824	0	0	0
1719	51	N445	-431.351	1501.255	390.761	0	0	0
1720	51	N446	-531.338	1817.919	-537.408	0	0	0
1721	51	N531	-423.989	1426.073	-493.641	0	0	0
1722	51	N532	-407.816	-306.09	204.078	0	0	0
1723	51	N565	-261.761	1485.181	422.637	0	0	0
1724	51	N566	-269.066	-117.473	-36.003	0	0	0
1725	51	N591	-2157.227	-615.518	-10.325	0	0	0
1726	51	N595	-831.114	2143.304	407.837	0	0	0
1727	51	N612	-711.662	405.865	-95.091	0	0	0
1728	51	N618	-793.51	253.38	331.72	0	0	0
1729	51	N624	-1277.577	3151.386	-388.005	0	0	0
1730	51	N625	-735.65	2703.127	-706.458	0	0	0
1731	51	N636	-1282.82	2802.889	353.534	0	0	0
1732	51	N637	-2165.38	-1143.364	107.611	0	0	0
1733	51	Totals:	-24402.3	30327.747	0			
1734	51	COG (in):	X: -754.673	Y: -141.904	Z: 240.001			
1735	52	N2	-334.673	718.769	79.302	0	0	0
1736	52	N1	-259.072	985.443	-25.633	0	0	0
1737	52	N4	-50.36	2045.975	-763.574	0	0	0
1738	52	N3	48.973	1547.32	582.795	0	0	0
1739	52	N91	-95.653	1949.435	-673.819	0	0	0
1740	52	N125	49.257	2119.651	530.542	0	0	0
1741	52	N126	64.091	1373.213	264.513	0	0	0
1742	52	N92	-74.393	967.676	5.312	0	0	0
1743	52	N154	-1965.069	-657.867	-8.995	0	0	0
1744	52	N301	-601.727	2160.345	370.24	0	0	0
1745	52	N318	-508.712	132.245	-158.155	0	0	0
1746	52	N324	-562.915	28.22	351.65	0	0	0
1747	52	N330	-1041.492	3125.74	-342.837	0	0	0
1748	52	N331	-528.446	2693.1	-637.129	0	0	0
1749	52	N342	-1026.036	2779.655	263.624	0	0	0
1750	52	N343	-1994.024	-1178.564	161.63	0	0	0
1751	52	N297	-530.512	488.29	-110.088	0	0	0
1752	52	N298	-614.385	274.293	181.646	0	0	0
1753	52	N445	-155.693	1586.795	493.927	0	0	0
1754	52	N446	-261.709	1993.768	-690.481	0	0	0
1755	52	N531	-394.727	1734.444	-555.8	0	0	0
1756	52	N532	-374.932	209.782	118.681	0	0	0
1757	52	N565	-249.499	1836.711	488.137	0	0	0
1758	52	N566	-250.233	484.939	73.946	0	0	0
1759	52	N591	-2010.906	-73.68	233.62	0	0	0
1760	52	N595	-732.205	2497.79	427.201	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1761	52	N612	-637.318	926.548	-233.749	0	0	0
1762	52	N618	-692.717	732.973	459.541	0	0	0
1763	52	N624	-1137.748	3246.091	-388.542	0	0	0
1764	52	N625	-666.201	3122.168	-746.435	0	0	0
1765	52	N636	-1124.933	2856.715	325.25	0	0	0
1766	52	N637	-2040.331	-683.598	-76.318	0	0	0
1767	52	Totals:	-20754.3	42024.387	0			
1768	52	COG (in):	X: -748.362	Y: -70.678	Z: 240			
1769	53	N2	-976.468	-872.961	319.73	0	0	0
1770	53	N1	-1092.505	-702.989	-5.461	0	0	0
1771	53	N4	-1617.436	2505.352	-481.444	0	0	0
1772	53	N3	-1797.082	3030.231	822.567	0	0	0
1773	53	N91	-444.288	2051.116	-528.228	0	0	0
1774	53	N125	-137.363	1966.705	520.277	0	0	0
1775	53	N126	-130.265	87.958	13.113	0	0	0
1776	53	N92	-434.122	327.253	144.707	0	0	0
1777	53	N154	-86.173	1267.5	501.742	0	0	0
1778	53	N301	-267.648	526.81	110.564	0	0	0
1779	53	N318	-82.54	872.114	-222.932	0	0	0
1780	53	N324	-247.215	414.633	191.005	0	0	0
1781	53	N330	-307.701	870.82	-10.788	0	0	0
1782	53	N331	-97.401	1326.018	-288.049	0	0	0
1783	53	N342	-215.626	959.726	249.691	0	0	0
1784	53	N343	-331.937	-196.898	275.154	0	0	0
1785	53	N297	226.244	1124.193	336.178	0	0	0
1786	53	N298	302.311	769.396	-14.92	0	0	0
1787	53	N445	79.425	988.985	327.75	0	0	0
1788	53	N446	280.86	112.08	216.025	0	0	0
1789	53	N531	142.689	774.43	-197.327	0	0	0
1790	53	N532	159.713	1038.328	-156.837	0	0	0
1791	53	N565	218.528	481.99	55.606	0	0	0
1792	53	N566	226.472	751.146	239.558	0	0	0
1793	53	N591	1864.86	3319.502	1060.94	0	0	0
1794	53	N595	288.578	-90.038	-148.035	0	0	0
1795	53	N612	303.939	2200.937	-580.113	0	0	0
1796	53	N618	303.045	1863.659	634.952	0	0	0
1797	53	N624	909.564	-793.608	304.816	0	0	0
1798	53	N625	293.769	553.194	28.441	0	0	0
1799	53	N636	1169.992	-829.923	-114.291	0	0	0
1800	53	N637	1495.781	2169.128	-379.561	0	0	0
1801	53	Totals:	0	28866.787	3224.832			
1802	53	COG (in):	X: -732.003	Y: -112.776	Z: 203.875			
1803	54	N2	-967.279	-748.569	300.065	0	0	0
1804	54	N1	-1080.571	-552.193	31.414	0	0	0
1805	54	N4	-1642.374	2753.779	-588.457	0	0	0
1806	54	N3	-1817.994	3225.867	895.207	0	0	0
1807	54	N91	-435.538	2285.455	-579.844	0	0	0
1808	54	N125	-137.545	2228.222	580.059	0	0	0
1809	54	N126	-125.846	442.961	75.157	0	0	0
1810	54	N92	-422.388	636.825	91.816	0	0	0
1811	54	N154	-61.366	1516.554	608.102	0	0	0
1812	54	N301	-278.559	834.677	163.019	0	0	0
1813	54	N318	-81.635	1132.869	-281.382	0	0	0
1814	54	N324	-255.234	648.141	240.869	0	0	0
1815	54	N330	-321.022	1023.46	-47.744	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1816	54	N331	-100.992	1678.871	-349.379	0	0	0
1817	54	N342	-226.208	1086.157	269.447	0	0	0
1818	54	N343	-311.21	-0.326	203.304	0	0	0
1819	54	N297	239.56	1276.793	373.141	0	0	0
1820	54	N298	312.895	895.877	-34.677	0	0	0
1821	54	N445	58.669	1185.598	399.609	0	0	0
1822	54	N446	256.08	361.096	109.675	0	0	0
1823	54	N531	150.707	1007.948	-247.194	0	0	0
1824	54	N532	170.624	1346.215	-209.296	0	0	0
1825	54	N565	217.626	742.732	114.047	0	0	0
1826	54	N566	230.064	1103.969	300.88	0	0	0
1827	54	N591	1889.825	3567.968	1167.963	0	0	0
1828	54	N595	276.844	219.513	-95.149	0	0	0
1829	54	N612	304.124	2462.468	-639.903	0	0	0
1830	54	N618	294.295	2097.988	686.567	0	0	0
1831	54	N624	897.625	-642.772	267.949	0	0	0
1832	54	N625	289.353	908.227	-33.612	0	0	0
1833	54	N636	1160.807	-705.582	-94.628	0	0	0
1834	54	N637	1516.663	2364.721	-452.192	0	0	0
1835	54	Totals:	0	36385.507	3224.832			
1836	54	COG (in):	X: -732.002	Y: -65.915	Z: 211.34			
1837	55	N2	-698.777	1492.827	217.037	0	0	0
1838	55	N1	-591.723	1946.547	229.983	0	0	0
1839	55	N4	-1562.448	6112.937	-1900.318	0	0	0
1840	55	N3	-1415.501	5079.564	1079.471	0	0	0
1841	55	N91	-778.083	4947.323	-960.208	0	0	0
1842	55	N125	-1040.425	5522.468	1298.729	0	0	0
1843	55	N126	-952.454	4585.475	757.656	0	0	0
1844	55	N92	-733.615	3744.933	-721.541	0	0	0
1845	55	N154	265.169	5009.375	1456.009	0	0	0
1846	55	N301	-518.726	5649.381	1174.928	0	0	0
1847	55	N318	-242.181	4829.879	-1116.447	0	0	0
1848	55	N324	-459.117	4204.942	1044.628	0	0	0
1849	55	N330	-712.969	3834.575	-659.984	0	0	0
1850	55	N331	-358.76	6777.013	-1423.161	0	0	0
1851	55	N342	-675.954	3271.121	274.331	0	0	0
1852	55	N343	190.613	3833.477	-750.903	0	0	0
1853	55	N297	-237.93	2570.979	313.373	0	0	0
1854	55	N298	-338.942	2050.288	113.929	0	0	0
1855	55	N445	-1196.426	5317.177	1218.002	0	0	0
1856	55	N446	-1338.968	6457.657	-2023.148	0	0	0
1857	55	N531	-510.175	5296.343	-1110.271	0	0	0
1858	55	N532	-461.923	4412.276	-839.817	0	0	0
1859	55	N565	-776.968	5940.725	1370.066	0	0	0
1860	55	N566	-672.267	5392.467	958.467	0	0	0
1861	55	N591	574.583	4798.105	1359.716	0	0	0
1862	55	N595	-161.04	4771.436	1024.638	0	0	0
1863	55	N612	105.225	4509.078	-1047.781	0	0	0
1864	55	N618	-106.155	3956.415	871.762	0	0	0
1865	55	N624	-250.318	2993.172	-552.121	0	0	0
1866	55	N625	9.277	5725.564	-1170.126	0	0	0
1867	55	N636	-205.066	2511.972	143.072	0	0	0
1868	55	N637	493.137	3747.023	-629.969	0	0	0
1869	55	Totals:	-15358.906	141292.511	0			
1870	55	COG (in):	X: -732	Y: 80.895	Z: 240			

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1871	56	N2	-240.206	2042.305	-186.113	0	0	0
1872	56	N1	-179.455	2624.762	264.477	0	0	0
1873	56	N4	-1298.304	6042.675	-2144.456	0	0	0
1874	56	N3	-797.4	3860.791	398.347	0	0	0
1875	56	N91	-310.683	4352.977	-1464.056	0	0	0
1876	56	N125	-553.22	5085.433	551.169	0	0	0
1877	56	N126	-494.891	5240.058	261.502	0	0	0
1878	56	N92	-246.731	3973.391	-1336.396	0	0	0
1879	56	N154	581.548	5100.4	1231.943	0	0	0
1880	56	N301	37.249	5321.663	495.326	0	0	0
1881	56	N318	269.304	5347.029	-1981.74	0	0	0
1882	56	N324	72.771	4816.263	403.275	0	0	0
1883	56	N330	-318.528	3139.7	-624.213	0	0	0
1884	56	N331	119.663	6007.239	-1974.738	0	0	0
1885	56	N342	-88.513	2506.847	-158.27	0	0	0
1886	56	N343	840.533	5184.716	-1415.302	0	0	0
1887	56	N297	155.631	3263.452	348.844	0	0	0
1888	56	N298	247.654	2812.215	-318.461	0	0	0
1889	56	N445	-547.859	3968.521	554.018	0	0	0
1890	56	N446	-1023.152	6368.281	-2247.78	0	0	0
1891	56	N531	21.162	4686.547	-1751.636	0	0	0
1892	56	N532	93.487	4738.625	-1519.183	0	0	0
1893	56	N565	-266.314	5425.24	505.311	0	0	0
1894	56	N566	-194.635	6160.936	407.057	0	0	0
1895	56	N591	839.622	4870.888	1116.32	0	0	0
1896	56	N595	326.801	4540.664	409.393	0	0	0
1897	56	N612	593.638	4948.511	-1795.848	0	0	0
1898	56	N618	362.18	4553	367.773	0	0	0
1899	56	N624	163.092	2311.908	-517.242	0	0	0
1900	56	N625	468.028	5068.587	-1666.214	0	0	0
1901	56	N636	254.618	1959.57	-260.373	0	0	0
1902	56	N637	1112.913	4969.318	-1311.64	0	0	0
1903	56	Totals:	0	141292.511	-15358.906			
1904	56	COG (in):	X: -732	Y: 80.895	Z: 240			
1905	57	N2	-597.381	6210.762	257.966	0	0	0
1906	57	N1	-300.823	8587.957	1533.647	0	0	0
1907	57	N4	-2300.854	16215.858	-5181.946	0	0	0
1908	57	N3	-1870.931	12155.805	2449.697	0	0	0
1909	57	N91	-851.974	16029.284	-3644.912	0	0	0
1910	57	N125	-1698.315	18026.946	4326.34	0	0	0
1911	57	N126	-1347.747	19538.552	3970.178	0	0	0
1912	57	N92	-618.263	16483.253	-3710.433	0	0	0
1913	57	N154	1114.699	15644.53	4944.143	0	0	0
1914	57	N301	-576.641	18546.41	4154.569	0	0	0
1915	57	N318	484.788	17872.108	-4216.516	0	0	0
1916	57	N324	-330.993	15765.173	3801.053	0	0	0
1917	57	N330	-1016.418	10591.473	-1939.832	0	0	0
1918	57	N331	99.533	21940.86	-4644.483	0	0	0
1919	57	N342	-779.028	8074.108	210.548	0	0	0
1920	57	N343	743.892	11383.311	-2309.317	0	0	0
1921	57	N297	305.929	9649.072	1680.348	0	0	0
1922	57	N298	20.871	7167.781	77.681	0	0	0
1923	57	N445	-1498.059	12496.614	2663.064	0	0	0
1924	57	N446	-1919.612	16728.122	-5371.72	0	0	0
1925	57	N531	-397.882	16586.452	-3849.331	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1926	57	N532	-160.803	17622.936	-3901.239	0	0	0
1927	57	N565	-1250.341	18706.835	4406.437	0	0	0
1928	57	N566	-874.084	20904.929	4294.593	0	0	0
1929	57	N591	1560.326	15230.462	4773.901	0	0	0
1930	57	N595	-54.517	17248.395	3939.646	0	0	0
1931	57	N612	995.876	17263.397	-4138.114	0	0	0
1932	57	N618	187.038	15281.637	3579.17	0	0	0
1933	57	N624	-328.269	9367.935	-1774.778	0	0	0
1934	57	N625	639.256	20390.596	-4280.708	0	0	0
1935	57	N636	-77.743	6966.22	9.129	0	0	0
1936	57	N637	1179.289	11154.163	-2108.782	0	0	0
1937	57	Totals:	-11519.179	465831.938	0			
1938	57	COG (in):	X: -732	Y: 34.212	Z: 240			
1939	58	N2	-328.545	6246.362	181.391	0	0	0
1940	58	N1	-50.232	8605.267	1516.012	0	0	0
1941	58	N4	-1839.275	15118.492	-4811.219	0	0	0
1942	58	N3	-1431.556	11145.069	2234.976	0	0	0
1943	58	N91	-544.214	15205.535	-3574.127	0	0	0
1944	58	N125	-1347.4	17114.725	4121.972	0	0	0
1945	58	N126	-1011.319	18969.042	3933.83	0	0	0
1946	58	N92	-308.658	15975.177	-3602.51	0	0	0
1947	58	N154	794.991	14375.927	4487.524	0	0	0
1948	58	N301	-687.274	17551.166	3964.544	0	0	0
1949	58	N318	328.407	16666.862	-3966.504	0	0	0
1950	58	N324	-441.764	14701.537	3630.621	0	0	0
1951	58	N330	-1067.31	10253.057	-1864.791	0	0	0
1952	58	N331	-30.934	20786.06	-4470.175	0	0	0
1953	58	N342	-843.801	7801.379	219.035	0	0	0
1954	58	N343	443.15	10277.283	-2000.063	0	0	0
1955	58	N297	354.353	9305.005	1604.993	0	0	0
1956	58	N298	82.821	6885.104	72.188	0	0	0
1957	58	N445	-1197.906	11389.88	2350.496	0	0	0
1958	58	N446	-1600.727	15462.222	-4913.124	0	0	0
1959	58	N531	-285.086	15520.08	-3680.141	0	0	0
1960	58	N532	-48.076	16623.73	-3713.426	0	0	0
1961	58	N565	-1092.721	17500.077	4156.944	0	0	0
1962	58	N566	-742.263	19748.307	4121.878	0	0	0
1963	58	N591	1098.019	14132.061	4405.807	0	0	0
1964	58	N595	-362.112	16744.473	3829.559	0	0	0
1965	58	N612	646.128	16354.829	-3933.525	0	0	0
1966	58	N618	-118.766	14462.588	3507.483	0	0	0
1967	58	N624	-581.276	9390.781	-1757.464	0	0	0
1968	58	N625	304.095	19823.26	-4242.919	0	0	0
1969	58	N636	-349.339	7011.562	88.752	0	0	0
1970	58	N637	739.413	10145.616	-1898.018	0	0	0
1971	58	Totals:	-11519.179	441292.511	0			
1972	58	COG (in):	X: -732	Y: 25.901	Z: 240			
1973	59	N2	-328.545	6246.362	181.391	0	0	0
1974	59	N1	-50.232	8605.267	1516.012	0	0	0
1975	59	N4	-1839.275	15118.492	-4811.219	0	0	0
1976	59	N3	-1431.556	11145.069	2234.976	0	0	0
1977	59	N91	-544.214	15205.535	-3574.127	0	0	0
1978	59	N125	-1347.4	17114.725	4121.972	0	0	0
1979	59	N126	-1011.319	18969.042	3933.83	0	0	0
1980	59	N92	-308.658	15975.177	-3602.51	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
1981	59	N154	794.991	14375.927	4487.524	0	0	0
1982	59	N301	-687.274	17551.166	3964.544	0	0	0
1983	59	N318	328.407	16666.862	-3966.504	0	0	0
1984	59	N324	-441.764	14701.537	3630.621	0	0	0
1985	59	N330	-1067.31	10253.057	-1864.791	0	0	0
1986	59	N331	-30.934	20786.06	-4470.175	0	0	0
1987	59	N342	-843.801	7801.379	219.035	0	0	0
1988	59	N343	443.15	10277.283	-2000.063	0	0	0
1989	59	N297	354.353	9305.005	1604.993	0	0	0
1990	59	N298	82.821	6885.104	72.188	0	0	0
1991	59	N445	-1197.906	11389.88	2350.496	0	0	0
1992	59	N446	-1600.727	15462.222	-4913.124	0	0	0
1993	59	N531	-285.086	15520.08	-3680.141	0	0	0
1994	59	N532	-48.076	16623.73	-3713.426	0	0	0
1995	59	N565	-1092.721	17500.077	4156.944	0	0	0
1996	59	N566	-742.263	19748.307	4121.878	0	0	0
1997	59	N591	1098.019	14132.061	4405.807	0	0	0
1998	59	N595	-362.112	16744.473	3829.559	0	0	0
1999	59	N612	646.128	16354.829	-3933.525	0	0	0
2000	59	N618	-118.766	14462.588	3507.483	0	0	0
2001	59	N624	-581.276	9390.781	-1757.464	0	0	0
2002	59	N625	304.095	19823.26	-4242.919	0	0	0
2003	59	N636	-349.339	7011.562	88.752	0	0	0
2004	59	N637	739.413	10145.616	-1898.018	0	0	0
2005	59	Totals:	-11519.179	441292.511	0			
2006	59	COG (in):	X: -732	Y: 25.901	Z: 240			
2007	60	N2	-254.667	6619.181	-43.117	0	0	0
2008	60	N1	7.272	9094.144	1560.073	0	0	0
2009	60	N4	-2102.87	16163.561	-5363.967	0	0	0
2010	60	N3	-1406.95	11240.362	1937.324	0	0	0
2011	60	N91	-500.907	15581.886	-4023.025	0	0	0
2012	60	N125	-1332.511	17697.789	3765.333	0	0	0
2013	60	N126	-1004.162	20027.43	3598.249	0	0	0
2014	60	N92	-252.578	16652.302	-4172.575	0	0	0
2015	60	N154	1351.812	15711.431	4777.075	0	0	0
2016	60	N301	-158.946	18302.464	3643.728	0	0	0
2017	60	N318	868.972	18260.577	-4865.642	0	0	0
2018	60	N324	68.613	16224.618	3319.544	0	0	0
2019	60	N330	-721.767	10072.781	-1912.434	0	0	0
2020	60	N331	458.948	21364.941	-5057.83	0	0	0
2021	60	N342	-339.775	7504.929	-112.638	0	0	0
2022	60	N343	1231.82	12397.564	-2808.987	0	0	0
2023	60	N297	599.859	10165.761	1707.509	0	0	0
2024	60	N298	459.439	7735.281	-245.328	0	0	0
2025	60	N445	-1011.276	11484.602	2163.794	0	0	0
2026	60	N446	-1682.946	16662.574	-5539.258	0	0	0
2027	60	N531	1.191	16128.412	-4330.797	0	0	0
2028	60	N532	256.343	17865.534	-4411.828	0	0	0
2029	60	N565	-866.899	18319.83	3757.653	0	0	0
2030	60	N566	-515.388	21479.415	3881.262	0	0	0
2031	60	N591	1758.955	15284.641	4592.459	0	0	0
2032	60	N595	311.958	17077.421	3477.159	0	0	0
2033	60	N612	1362.653	17594.462	-4699.443	0	0	0
2034	60	N618	538.871	15730.873	3200.92	0	0	0
2035	60	N624	-19.295	8859.356	-1748.063	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2036	60	N625	983.804	19899.621	-4652.511	0	0	0
2037	60	N636	265.82	6555.775	-292.182	0	0	0
2038	60	N637	1644.606	12072.418	-2621.636	0	0	0
2039	60	Totals:	0	465831.938	-11519.179			
2040	60	COG (in):	X: -732	Y: 34.212	Z: 240			
2041	61	N2	15.485	6659.155	-121.028	0	0	0
2042	61	N1	259.067	9114.527	1541.86	0	0	0
2043	61	N4	-1640.933	15065.434	-4994.273	0	0	0
2044	61	N3	-967.624	10230.618	1724.164	0	0	0
2045	61	N91	-193.674	14759.675	-3951.869	0	0	0
2046	61	N125	-981.94	16786.796	3561.126	0	0	0
2047	61	N126	-668.11	19459.767	3561.57	0	0	0
2048	61	N92	56.485	16146.419	-4063.545	0	0	0
2049	61	N154	1032.395	14444.043	4319.539	0	0	0
2050	61	N301	-270.414	17305.732	3454.981	0	0	0
2051	61	N318	711.925	17054.608	-4615.541	0	0	0
2052	61	N324	-42.959	15159.89	3149.754	0	0	0
2053	61	N330	-771.655	9731.895	-1838.054	0	0	0
2054	61	N331	327.778	20209.182	-4883.966	0	0	0
2055	61	N342	-403.414	7228.099	-105.405	0	0	0
2056	61	N343	930.674	11290.411	-2498.386	0	0	0
2057	61	N297	649.514	9824.816	1631.561	0	0	0
2058	61	N298	522.733	7457.063	-252.133	0	0	0
2059	61	N445	-711.144	10378.203	1852.406	0	0	0
2060	61	N446	-1363.644	15395.037	-5081.428	0	0	0
2061	61	N531	113.409	15062.585	-4161.015	0	0	0
2062	61	N532	368.465	16868.395	-4222.857	0	0	0
2063	61	N565	-709.668	17113.267	3508.209	0	0	0
2064	61	N566	-383.994	20324.45	3708.179	0	0	0
2065	61	N591	1296.869	14186.539	4223.17	0	0	0
2066	61	N595	3.569	16571.93	3368.306	0	0	0
2067	61	N612	1012.266	16684.106	-4494.655	0	0	0
2068	61	N618	232.3	14909.707	3129.662	0	0	0
2069	61	N624	-271.336	8879.805	-1731.4	0	0	0
2070	61	N625	647.971	19331.187	-4615.141	0	0	0
2071	61	N636	-4.682	6597.124	-213.833	0	0	0
2072	61	N637	1204.286	11062.047	-2409.137	0	0	0
2073	61	Totals:	0	441292.511	-11519.179			
2074	61	COG (in):	X: -732	Y: 25.901	Z: 240			
2075	62	N2	15.485	6659.155	-121.028	0	0	0
2076	62	N1	259.067	9114.527	1541.86	0	0	0
2077	62	N4	-1640.933	15065.434	-4994.273	0	0	0
2078	62	N3	-967.624	10230.618	1724.164	0	0	0
2079	62	N91	-193.674	14759.675	-3951.869	0	0	0
2080	62	N125	-981.94	16786.796	3561.126	0	0	0
2081	62	N126	-668.11	19459.767	3561.57	0	0	0
2082	62	N92	56.485	16146.419	-4063.545	0	0	0
2083	62	N154	1032.395	14444.043	4319.539	0	0	0
2084	62	N301	-270.414	17305.732	3454.981	0	0	0
2085	62	N318	711.925	17054.608	-4615.541	0	0	0
2086	62	N324	-42.959	15159.89	3149.754	0	0	0
2087	62	N330	-771.655	9731.895	-1838.054	0	0	0
2088	62	N331	327.778	20209.182	-4883.966	0	0	0
2089	62	N342	-403.414	7228.099	-105.405	0	0	0
2090	62	N343	930.674	11290.411	-2498.386	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2091	62	N297	649.514	9824.816	1631.561	0	0	0
2092	62	N298	522.733	7457.063	-252.133	0	0	0
2093	62	N445	-711.144	10378.203	1852.406	0	0	0
2094	62	N446	-1363.644	15395.037	-5081.428	0	0	0
2095	62	N531	113.409	15062.585	-4161.015	0	0	0
2096	62	N532	368.465	16868.395	-4222.857	0	0	0
2097	62	N565	-709.668	17113.267	3508.209	0	0	0
2098	62	N566	-383.994	20324.45	3708.179	0	0	0
2099	62	N591	1296.869	14186.539	4223.17	0	0	0
2100	62	N595	3.569	16571.93	3368.306	0	0	0
2101	62	N612	1012.266	16684.106	-4494.655	0	0	0
2102	62	N618	232.3	14909.707	3129.662	0	0	0
2103	62	N624	-271.336	8879.805	-1731.4	0	0	0
2104	62	N625	647.971	19331.187	-4615.141	0	0	0
2105	62	N636	-4.682	6597.124	-213.833	0	0	0
2106	62	N637	1204.286	11062.047	-2409.137	0	0	0
2107	62	Totals:	0	441292.511	-11519.179			
2108	62	COG (in):	X: -732	Y: 25.901	Z: 240			
2109	63	N2	-600.72	688.285	203.104	0	0	0
2110	63	N1	-524.008	956.715	73.852	0	0	0
2111	63	N4	-1134.875	3930.513	-1247.694	0	0	0
2112	63	N3	-1033.598	3312.7	736.21	0	0	0
2113	63	N91	-643.053	3165.041	-594.291	0	0	0
2114	63	N125	-811.038	3515.169	829.735	0	0	0
2115	63	N126	-759.783	2524.785	373.05	0	0	0
2116	63	N92	-618.422	2042.069	-373.431	0	0	0
2117	63	N154	-55.911	2714.735	760.404	0	0	0
2118	63	N301	-506.865	3637.154	771.002	0	0	0
2119	63	N318	-348.959	2675.513	-618.718	0	0	0
2120	63	N324	-468.862	2304.939	613.032	0	0	0
2121	63	N330	-618.792	2555.991	-465.235	0	0	0
2122	63	N331	-421.219	4342.341	-946.089	0	0	0
2123	63	N342	-609.495	2210.806	243.175	0	0	0
2124	63	N343	-86.923	2003.416	-357.978	0	0	0
2125	63	N297	-333.618	1287.801	118.975	0	0	0
2126	63	N298	-407.146	982.211	146.874	0	0	0
2127	63	N445	-918.911	3486.297	823.137	0	0	0
2128	63	N446	-1018.047	4164.91	-1326.985	0	0	0
2129	63	N531	-499.288	3395.352	-679.982	0	0	0
2130	63	N532	-472.563	2400.435	-438.037	0	0	0
2131	63	N565	-669.721	3786.47	873.254	0	0	0
2132	63	N566	-609.199	2960.234	483.173	0	0	0
2133	63	N591	146.937	2615.402	708.2	0	0	0
2134	63	N595	-275.158	3068.496	674.496	0	0	0
2135	63	N612	-123.817	2503.259	-578.24	0	0	0
2136	63	N618	-240.164	2176.599	504.983	0	0	0
2137	63	N624	-319.365	2007.692	-395.623	0	0	0
2138	63	N625	-182.931	3662.901	-783.947	0	0	0
2139	63	N636	-304.682	1714.86	158.8	0	0	0
2140	63	N637	111.291	1982.417	-289.205	0	0	0
2141	63	Totals:	-15358.906	84775.507	0			
2142	63	COG (in):	X: -732	Y: 80.895	Z: 240			
2143	64	N2	-141.324	1240.932	-200.991	0	0	0
2144	64	N1	-110.965	1637.584	107.952	0	0	0
2145	64	N4	-870.505	3859.979	-1492.54	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2146	64	N3	-415.396	2094.68	56.176	0	0	0
2147	64	N91	-176.024	2571.657	-1097.742	0	0	0
2148	64	N125	-324.079	3078.914	82.122	0	0	0
2149	64	N126	-302.503	3179.182	-123.555	0	0	0
2150	64	N92	-131.933	2270.497	-987.247	0	0	0
2151	64	N154	260.57	2806.542	535.778	0	0	0
2152	64	N301	48.516	3309.915	92.562	0	0	0
2153	64	N318	162.088	3192.367	-1484.17	0	0	0
2154	64	N324	62.473	2915.772	-27.656	0	0	0
2155	64	N330	-223.653	1858.768	-429.912	0	0	0
2156	64	N331	56.72	3573.312	-1498.222	0	0	0
2157	64	N342	-21.263	1443.55	-190.327	0	0	0
2158	64	N343	562.908	3354.099	-1021.555	0	0	0
2159	64	N297	60.782	1983.003	154.049	0	0	0
2160	64	N298	180.383	1747.476	-286.462	0	0	0
2161	64	N445	-270.221	2137.779	159.914	0	0	0
2162	64	N446	-701.957	4074.398	-1552.102	0	0	0
2163	64	N531	31.602	2785.777	-1320.685	0	0	0
2164	64	N532	82.363	2726.581	-1116.285	0	0	0
2165	64	N565	-159.383	3271.003	8.293	0	0	0
2166	64	N566	-131.929	3728.261	-68.756	0	0	0
2167	64	N591	412.014	2688.059	464.011	0	0	0
2168	64	N595	212.159	2838.076	60.341	0	0	0
2169	64	N612	364.21	2941.599	-1326.315	0	0	0
2170	64	N618	227.674	2771.92	1.403	0	0	0
2171	64	N624	94.663	1324.188	-361.193	0	0	0
2172	64	N625	275.397	3006.468	-1280.534	0	0	0
2173	64	N636	155.671	1159.675	-245.542	0	0	0
2174	64	N637	730.939	3203.494	-969.717	0	0	0
2175	64	Totals:	0	84775.507	-15358.906			
2176	64	COG (in):	X: -732	Y: 80.895	Z: 240			
2177	65	N2	-242.753	1843.489	298.792	0	0	0
2178	65	N1	-352.06	2363.334	383.855	0	0	0
2179	65	N4	-1074.75	5128.492	-1254.996	0	0	0
2180	65	N3	-1232.22	4938.382	974.783	0	0	0
2181	65	N91	-516.531	4713.481	-876.709	0	0	0
2182	65	N125	-597.324	5072.953	1180.902	0	0	0
2183	65	N126	-505.902	4967.566	943.724	0	0	0
2184	65	N92	-472.944	4506.144	-842.356	0	0	0
2185	65	N154	943.884	6392.828	2036.789	0	0	0
2186	65	N301	-29.781	4932.234	970.001	0	0	0
2187	65	N318	392.49	5883.263	-1348.501	0	0	0
2188	65	N324	20.979	4829.753	1072.445	0	0	0
2189	65	N330	-260.494	3016.893	-191.871	0	0	0
2190	65	N331	276.196	6574.432	-1207.985	0	0	0
2191	65	N342	-103.954	2703.191	69.979	0	0	0
2192	65	N343	603.92	4034.689	-594.365	0	0	0
2193	65	N297	177.581	3271.63	519.142	0	0	0
2194	65	N298	192.217	2512.147	165.333	0	0	0
2195	65	N445	-860.936	5236.929	1203.022	0	0	0
2196	65	N446	-746.009	5221.586	-1311.385	0	0	0
2197	65	N531	-127.033	5196.388	-1081.194	0	0	0
2198	65	N532	-79.831	5453.322	-1019.035	0	0	0
2199	65	N565	-254.254	5485.732	1175.9	0	0	0
2200	65	N566	-144.974	5989.393	1155.952	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2201	65	N591	1326.224	5953.453	1839.724	0	0	0
2202	65	N595	325.068	4081.101	837.007	0	0	0
2203	65	N612	766.723	5311.528	-1243.838	0	0	0
2204	65	N618	373.048	4522.477	982.912	0	0	0
2205	65	N624	166.252	2273.421	-83.191	0	0	0
2206	65	N625	672.148	5440.913	-904.199	0	0	0
2207	65	N636	439.373	1885.375	-93.421	0	0	0
2208	65	N637	925.647	4065.672	-528.738	0	0	0
2209	65	Totals:	0	143802.191	3228.48			
2210	65	COG (in):	X: -732	Y: 84.843	Z: 232.642			
2211	66	N2	-246.11	6578.382	303.88	0	0	0
2212	66	N1	-109.343	9029.378	1680.771	0	0	0
2213	66	N4	-1962.508	15703.621	-4793.117	0	0	0
2214	66	N3	-1757.471	12228.346	2435.126	0	0	0
2215	66	N91	-648.572	16063.863	-3628.001	0	0	0
2216	66	N125	-1367.014	17924.411	4290.958	0	0	0
2217	66	N126	-1009.772	20136.431	4164.644	0	0	0
2218	66	N92	-412.937	17324.749	-3848.23	0	0	0
2219	66	N154	1651.052	16907.642	5476.858	0	0	0
2220	66	N301	-217.193	18282.135	4045.775	0	0	0
2221	66	N318	963.545	18898.826	-4442.564	0	0	0
2222	66	N324	24.278	16446.457	3865.114	0	0	0
2223	66	N330	-692.797	10114.396	-1621.047	0	0	0
2224	66	N331	574.576	22101.315	-4536.142	0	0	0
2225	66	N342	-363.078	7762.722	75.679	0	0	0
2226	66	N343	1077.261	11714.457	-2258.633	0	0	0
2227	66	N297	630.507	10304.954	1866.485	0	0	0
2228	66	N298	429.388	7620.109	100.76	0	0	0
2229	66	N445	-1270.325	12616.61	2715.221	0	0	0
2230	66	N446	-1502.258	16028.668	-4932.711	0	0	0
2231	66	N531	-103.873	16721.582	-3871.761	0	0	0
2232	66	N532	134.932	18672.992	-4082.476	0	0	0
2233	66	N565	-859.857	18600.574	4312.932	0	0	0
2234	66	N566	-476.155	21662.334	4497.176	0	0	0
2235	66	N591	2151.534	16322.956	5231.756	0	0	0
2236	66	N595	301.968	17005.926	3844.313	0	0	0
2237	66	N612	1494.079	18103.452	-4338.351	0	0	0
2238	66	N618	540.897	15920.453	3707.564	0	0	0
2239	66	N624	-30.157	8962.51	-1455.298	0	0	0
2240	66	N625	1134.466	20491.641	-4134.909	0	0	0
2241	66	N636	393.727	6609.058	-149.905	0	0	0
2242	66	N637	1527.212	11573.249	-2100.508	0	0	0
2243	66	Totals:	0	474434.198	2421.36			
2244	66	COG (in):	X: -732	Y: 36.425	Z: 238.327			
2245	67	N2	-256.563	6469.468	320.499	0	0	0
2246	67	N1	-122.229	8897.914	1649.195	0	0	0
2247	67	N4	-1934.725	15477.594	-4697.117	0	0	0
2248	67	N3	-1733.4	12048.933	2369.622	0	0	0
2249	67	N91	-655.282	15852.355	-3582.592	0	0	0
2250	67	N125	-1365.862	17688.753	4237.894	0	0	0
2251	67	N126	-1012.665	19823.693	4110.371	0	0	0
2252	67	N92	-422.224	17051.737	-3801.908	0	0	0
2253	67	N154	1624.08	16681.282	5380.479	0	0	0
2254	67	N301	-209.104	18010.362	3999.862	0	0	0
2255	67	N318	961.208	18662.625	-4390.469	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2256	67	N324	29.878	16234.861	3821.394	0	0	0
2257	67	N330	-678.26	9980.755	-1588.488	0	0	0
2258	67	N331	576.215	21789.601	-4482.32	0	0	0
2259	67	N342	-351.26	7652.369	58.436	0	0	0
2260	67	N343	1054.107	11534.83	-2193.447	0	0	0
2261	67	N297	616.29	10171.763	1834.821	0	0	0
2262	67	N298	417.879	7509.619	117.445	0	0	0
2263	67	N445	-1246.404	12436.304	2650.452	0	0	0
2264	67	N446	-1474.601	15802.163	-4837.244	0	0	0
2265	67	N531	-109.926	16510.832	-3827.998	0	0	0
2266	67	N532	126.385	18401.457	-4036.578	0	0	0
2267	67	N565	-858.112	18365.522	4260.896	0	0	0
2268	67	N566	-478.371	21351.429	4443.422	0	0	0
2269	67	N591	2124.438	16097.074	5134.843	0	0	0
2270	67	N595	310.793	16732.684	3797.979	0	0	0
2271	67	N612	1492.332	17866.647	-4285.232	0	0	0
2272	67	N618	547.151	15708.102	3662.204	0	0	0
2273	67	N624	-16.946	8830.584	-1422.827	0	0	0
2274	67	N625	1136.779	20178.103	-4080.567	0	0	0
2275	67	N636	404.493	6500.27	-167.082	0	0	0
2276	67	N637	1503.908	11394.511	-2034.586	0	0	0
2277	67	Totals:	0	467714.198	2421.36			
2278	67	COG (in):	X: -732	Y: 35.31	Z: 238.303			
2279	68	N2	13.584	6510.039	242.643	0	0	0
2280	68	N1	129.622	8918.497	1631.356	0	0	0
2281	68	N4	-1473.175	14379.716	-4327.21	0	0	0
2282	68	N3	-1293.717	11038.787	2156.5	0	0	0
2283	68	N91	-348.066	15030.045	-3511.351	0	0	0
2284	68	N125	-1015.057	16777.457	4033.466	0	0	0
2285	68	N126	-676.402	19255.46	4073.304	0	0	0
2286	68	N92	-113.18	16545.977	-3692.995	0	0	0
2287	68	N154	1304.065	15413.302	4923.193	0	0	0
2288	68	N301	-320.686	17013.643	3810.971	0	0	0
2289	68	N318	804.329	17456.794	-4140.627	0	0	0
2290	68	N324	-81.802	15170.003	3651.611	0	0	0
2291	68	N330	-728.13	9639.827	-1513.811	0	0	0
2292	68	N331	445.191	20634.58	-4308.928	0	0	0
2293	68	N342	-414.987	7375.375	65.787	0	0	0
2294	68	N343	753.214	10427.907	-1882.685	0	0	0
2295	68	N297	665.969	9830.958	1759.251	0	0	0
2296	68	N298	481.164	7232.002	110.701	0	0	0
2297	68	N445	-945.929	11329.507	2339.173	0	0	0
2298	68	N446	-1155.698	14534.935	-4379.155	0	0	0
2299	68	N531	2.265	15444.972	-3658.175	0	0	0
2300	68	N532	238.479	17404.41	-3847.733	0	0	0
2301	68	N565	-700.661	17158.666	4011.183	0	0	0
2302	68	N566	-346.782	20195.845	4269.915	0	0	0
2303	68	N591	1661.742	14998.383	4765.736	0	0	0
2304	68	N595	2.273	16227.246	3688.998	0	0	0
2305	68	N612	1142.096	16956.364	-4080.657	0	0	0
2306	68	N618	240.456	14886.805	3591.007	0	0	0
2307	68	N624	-268.967	8850.997	-1405.873	0	0	0
2308	68	N625	801.078	19610.429	-4043.646	0	0	0
2309	68	N636	133.875	6541.527	-88.613	0	0	0
2310	68	N637	1063.836	10384.318	-1821.977	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2311	68	Totals:	0	443174.771	2421.36			
2312	68	COG (in):	X: -732	Y: 27.095	Z: 238.209			
2313	69	N2	13.584	6510.039	242.643	0	0	0
2314	69	N1	129.622	8918.497	1631.356	0	0	0
2315	69	N4	-1473.175	14379.716	-4327.21	0	0	0
2316	69	N3	-1293.717	11038.787	2156.5	0	0	0
2317	69	N91	-348.066	15030.045	-3511.351	0	0	0
2318	69	N125	-1015.057	16777.457	4033.466	0	0	0
2319	69	N126	-676.402	19255.46	4073.304	0	0	0
2320	69	N92	-113.18	16545.977	-3692.995	0	0	0
2321	69	N154	1304.065	15413.302	4923.193	0	0	0
2322	69	N301	-320.686	17013.643	3810.971	0	0	0
2323	69	N318	804.329	17456.794	-4140.627	0	0	0
2324	69	N324	-81.802	15170.003	3651.611	0	0	0
2325	69	N330	-728.13	9639.827	-1513.811	0	0	0
2326	69	N331	445.191	20634.58	-4308.928	0	0	0
2327	69	N342	-414.987	7375.375	65.787	0	0	0
2328	69	N343	753.214	10427.907	-1882.685	0	0	0
2329	69	N297	665.969	9830.958	1759.251	0	0	0
2330	69	N298	481.164	7232.002	110.701	0	0	0
2331	69	N445	-945.929	11329.507	2339.173	0	0	0
2332	69	N446	-1155.698	14534.935	-4379.155	0	0	0
2333	69	N531	2.265	15444.972	-3658.175	0	0	0
2334	69	N532	238.479	17404.41	-3847.733	0	0	0
2335	69	N565	-700.661	17158.666	4011.183	0	0	0
2336	69	N566	-346.782	20195.845	4269.915	0	0	0
2337	69	N591	1661.742	14998.383	4765.736	0	0	0
2338	69	N595	2.273	16227.246	3688.998	0	0	0
2339	69	N612	1142.096	16956.364	-4080.657	0	0	0
2340	69	N618	240.456	14886.805	3591.007	0	0	0
2341	69	N624	-268.967	8850.997	-1405.873	0	0	0
2342	69	N625	801.078	19610.429	-4043.646	0	0	0
2343	69	N636	133.875	6541.527	-88.613	0	0	0
2344	69	N637	1063.836	10384.318	-1821.977	0	0	0
2345	69	Totals:	0	443174.771	2421.36			
2346	69	COG (in):	X: -732	Y: 27.095	Z: 238.209			
2347	70	N2	13.584	6510.039	242.643	0	0	0
2348	70	N1	129.622	8918.497	1631.356	0	0	0
2349	70	N4	-1473.175	14379.716	-4327.21	0	0	0
2350	70	N3	-1293.717	11038.787	2156.5	0	0	0
2351	70	N91	-348.066	15030.045	-3511.351	0	0	0
2352	70	N125	-1015.057	16777.457	4033.466	0	0	0
2353	70	N126	-676.402	19255.46	4073.304	0	0	0
2354	70	N92	-113.18	16545.977	-3692.995	0	0	0
2355	70	N154	1304.065	15413.302	4923.193	0	0	0
2356	70	N301	-320.686	17013.643	3810.971	0	0	0
2357	70	N318	804.329	17456.794	-4140.627	0	0	0
2358	70	N324	-81.802	15170.003	3651.611	0	0	0
2359	70	N330	-728.13	9639.827	-1513.811	0	0	0
2360	70	N331	445.191	20634.58	-4308.928	0	0	0
2361	70	N342	-414.987	7375.375	65.787	0	0	0
2362	70	N343	753.214	10427.907	-1882.685	0	0	0
2363	70	N297	665.969	9830.958	1759.251	0	0	0
2364	70	N298	481.164	7232.002	110.701	0	0	0
2365	70	N445	-945.929	11329.507	2339.173	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2366	70	N446	-1155.698	14534.935	-4379.155	0	0	0
2367	70	N531	2.265	15444.972	-3658.175	0	0	0
2368	70	N532	238.479	17404.41	-3847.733	0	0	0
2369	70	N565	-700.661	17158.666	4011.183	0	0	0
2370	70	N566	-346.782	20195.845	4269.915	0	0	0
2371	70	N591	1661.742	14998.383	4765.736	0	0	0
2372	70	N595	2.273	16227.246	3688.998	0	0	0
2373	70	N612	1142.096	16956.364	-4080.657	0	0	0
2374	70	N618	240.456	14886.805	3591.007	0	0	0
2375	70	N624	-268.967	8850.997	-1405.873	0	0	0
2376	70	N625	801.078	19610.429	-4043.646	0	0	0
2377	70	N636	133.875	6541.527	-88.613	0	0	0
2378	70	N637	1063.836	10384.318	-1821.977	0	0	0
2379	70	Totals:	0	443174.771	2421.36			
2380	70	COG (in):	X: -732	Y: 27.095	Z: 238.209			
2381	71	N2	-143.881	1042.589	283.945	0	0	0
2382	71	N1	-283.493	1376.34	227.616	0	0	0
2383	71	N4	-647.134	2945.899	-602.934	0	0	0
2384	71	N3	-849.953	3171.967	632.67	0	0	0
2385	71	N91	-381.89	2932.112	-510.317	0	0	0
2386	71	N125	-368.039	3066.229	711.704	0	0	0
2387	71	N126	-313.387	2906.302	558.364	0	0	0
2388	71	N92	-358.166	2803.434	-493.317	0	0	0
2389	71	N154	622.486	4098.556	1340.826	0	0	0
2390	71	N301	-18.586	2920.421	567.149	0	0	0
2391	71	N318	285.404	3728.717	-851.126	0	0	0
2392	71	N324	10.612	2929.136	641.532	0	0	0
2393	71	N330	-165.587	1736.057	2.654	0	0	0
2394	71	N331	213.363	4141.095	-731.875	0	0	0
2395	71	N342	-36.765	1639.603	37.991	0	0	0
2396	71	N343	326.373	2204.155	-200.475	0	0	0
2397	71	N297	82.79	1991.321	324.636	0	0	0
2398	71	N298	124.91	1447.855	197.369	0	0	0
2399	71	N445	-583.052	3405.871	809.041	0	0	0
2400	71	N446	-425.006	2927.877	-615.526	0	0	0
2401	71	N531	-116.62	3295.628	-650.212	0	0	0
2402	71	N532	-90.982	3441.435	-616.255	0	0	0
2403	71	N565	-147.187	3331.302	678.694	0	0	0
2404	71	N566	-82.151	3556.301	679.807	0	0	0
2405	71	N591	898.181	3770.229	1187.556	0	0	0
2406	71	N595	210.341	2378.469	487.879	0	0	0
2407	71	N612	537.412	3304.676	-774.456	0	0	0
2408	71	N618	238.463	2741.266	616.602	0	0	0
2409	71	N624	97.834	1285.832	73.075	0	0	0
2410	71	N625	479.615	3379.406	-518.904	0	0	0
2411	71	N636	340.35	1085.24	-78.52	0	0	0
2412	71	N637	543.748	2299.867	-186.713	0	0	0
2413	71	Totals:	0	87285.187	3228.48			
2414	71	COG (in):	X: -732.001	Y: 87.4	Z: 227.878			
2415	72	N2	-233.559	1967.843	279.143	0	0	0
2416	72	N1	-340.119	2514.066	420.728	0	0	0
2417	72	N4	-1099.798	5376.981	-1361.977	0	0	0
2418	72	N3	-1253.179	5134.01	1047.413	0	0	0
2419	72	N91	-507.766	4947.794	-928.367	0	0	0
2420	72	N125	-597.46	5334.425	1240.677	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2421	72	N126	-501.437	5322.609	1005.742	0	0	0
2422	72	N92	-461.193	4815.793	-895.271	0	0	0
2423	72	N154	968.805	6641.963	2143.123	0	0	0
2424	72	N301	-40.712	5240.162	1022.482	0	0	0
2425	72	N318	393.353	6143.987	-1406.945	0	0	0
2426	72	N324	12.942	5063.24	1122.345	0	0	0
2427	72	N330	-273.824	3169.47	-228.829	0	0	0
2428	72	N331	272.563	6927.33	-1269.296	0	0	0
2429	72	N342	-114.541	2829.558	89.721	0	0	0
2430	72	N343	624.685	4231.253	-666.197	0	0	0
2431	72	N297	190.905	3424.154	556.109	0	0	0
2432	72	N298	202.808	2638.581	145.59	0	0	0
2433	72	N445	-881.739	5433.546	1274.866	0	0	0
2434	72	N446	-770.899	5470.673	-1417.703	0	0	0
2435	72	N531	-118.996	5429.888	-1131.097	0	0	0
2436	72	N532	-68.899	5761.278	-1071.523	0	0	0
2437	72	N565	-255.112	5746.437	1234.332	0	0	0
2438	72	N566	-141.337	6342.25	1217.25	0	0	0
2439	72	N591	1351.304	6201.991	1946.721	0	0	0
2440	72	N595	313.316	4390.722	889.916	0	0	0
2441	72	N612	766.863	5573.02	-1303.625	0	0	0
2442	72	N618	364.282	4756.777	1034.568	0	0	0
2443	72	N624	154.305	2424.207	-120.055	0	0	0
2444	72	N625	667.687	5795.997	-966.23	0	0	0
2445	72	N636	430.183	2009.661	-73.774	0	0	0
2446	72	N637	946.568	4261.246	-601.355	0	0	0
2447	72	Totals:	0	151320.911	3228.48			
2448	72	COG (in):	X: -732	Y: 86.292	Z: 233.008			
2449	73	N2	-239.216	6671.672	289.143	0	0	0
2450	73	N1	-100.389	9142.457	1708.429	0	0	0
2451	73	N4	-1981.296	15889.998	-4873.356	0	0	0
2452	73	N3	-1773.171	12375.054	2489.6	0	0	0
2453	73	N91	-642.004	16239.601	-3666.737	0	0	0
2454	73	N125	-1367.116	18120.518	4335.778	0	0	0
2455	73	N126	-1006.425	20402.682	4211.143	0	0	0
2456	73	N92	-404.13	17556.959	-3887.911	0	0	0
2457	73	N154	1669.738	17094.493	5556.608	0	0	0
2458	73	N301	-225.385	18513.061	4085.133	0	0	0
2459	73	N318	964.192	19094.367	-4486.385	0	0	0
2460	73	N324	18.255	16621.577	3902.533	0	0	0
2461	73	N330	-702.791	10228.848	-1648.77	0	0	0
2462	73	N331	571.852	22365.951	-4582.109	0	0	0
2463	73	N342	-371.016	7857.533	90.486	0	0	0
2464	73	N343	1092.823	11861.877	-2312.512	0	0	0
2465	73	N297	640.498	10419.377	1894.213	0	0	0
2466	73	N298	437.327	7714.958	85.952	0	0	0
2467	73	N445	-1285.908	12764.06	2769.106	0	0	0
2468	73	N446	-1520.927	16215.493	-5012.452	0	0	0
2469	73	N531	-97.851	16896.709	-3909.182	0	0	0
2470	73	N532	143.124	18903.934	-4121.838	0	0	0
2471	73	N565	-860.501	18796.105	4356.746	0	0	0
2472	73	N566	-473.429	21926.948	4543.135	0	0	0
2473	73	N591	2170.34	16509.36	5312.003	0	0	0
2474	73	N595	293.161	17238.12	3883.99	0	0	0
2475	73	N612	1494.184	18299.569	-4383.178	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2476	73	N618	534.328	16096.184	3746.299	0	0	0
2477	73	N624	-39.115	9075.62	-1482.95	0	0	0
2478	73	N625	1131.121	20757.916	-4181.414	0	0	0
2479	73	N636	386.836	6702.31	-135.168	0	0	0
2480	73	N637	1542.891	11719.927	-2154.976	0	0	0
2481	73	Totals:	0	480073.238	2421.36			
2482	73	COG (in):	X: -732	Y: 37.336	Z: 238.347			
2483	74	N2	-249.669	6562.76	305.762	0	0	0
2484	74	N1	-113.274	9010.997	1676.852	0	0	0
2485	74	N4	-1953.509	15663.967	-4777.357	0	0	0
2486	74	N3	-1749.096	12195.637	2424.098	0	0	0
2487	74	N91	-648.716	16028.095	-3621.327	0	0	0
2488	74	N125	-1365.966	17884.862	4282.714	0	0	0
2489	74	N126	-1009.321	20089.943	4156.869	0	0	0
2490	74	N92	-413.419	17283.947	-3841.59	0	0	0
2491	74	N154	1642.773	16868.138	5460.226	0	0	0
2492	74	N301	-217.3	18241.297	4039.221	0	0	0
2493	74	N318	961.851	18858.162	-4434.292	0	0	0
2494	74	N324	23.853	16409.978	3858.817	0	0	0
2495	74	N330	-688.255	10095.197	-1616.21	0	0	0
2496	74	N331	573.487	22054.247	-4528.288	0	0	0
2497	74	N342	-359.199	7747.169	73.243	0	0	0
2498	74	N343	1069.675	11682.254	-2247.324	0	0	0
2499	74	N297	626.281	10286.189	1862.549	0	0	0
2500	74	N298	425.819	7604.471	102.638	0	0	0
2501	74	N445	-1261.982	12583.75	2704.339	0	0	0
2502	74	N446	-1493.266	15988.984	-4916.986	0	0	0
2503	74	N531	-103.906	16685.962	-3865.417	0	0	0
2504	74	N532	134.574	18632.399	-4075.94	0	0	0
2505	74	N565	-858.758	18561.055	4304.708	0	0	0
2506	74	N566	-475.647	21616.042	4489.381	0	0	0
2507	74	N591	2143.251	16283.483	5215.087	0	0	0
2508	74	N595	301.982	16964.888	3837.658	0	0	0
2509	74	N612	1492.433	18062.761	-4330.062	0	0	0
2510	74	N618	540.58	15883.83	3700.944	0	0	0
2511	74	N624	-25.904	8943.683	-1450.478	0	0	0
2512	74	N625	1133.431	20444.388	-4127.075	0	0	0
2513	74	N636	397.602	6593.511	-152.346	0	0	0
2514	74	N637	1519.594	11541.193	-2089.053	0	0	0
2515	74	Totals:	0	473353.238	2421.36			
2516	74	COG (in):	X: -732	Y: 36.248	Z: 238.323			
2517	75	N2	20.479	6603.298	227.906	0	0	0
2518	75	N1	138.577	9031.551	1659.009	0	0	0
2519	75	N4	-1491.962	14566.086	-4407.448	0	0	0
2520	75	N3	-1309.435	11185.506	2210.972	0	0	0
2521	75	N91	-341.491	15205.778	-3550.094	0	0	0
2522	75	N125	-1015.159	16973.563	4078.3	0	0	0
2523	75	N126	-673.054	19521.745	4119.82	0	0	0
2524	75	N92	-104.366	16778.212	-3732.68	0	0	0
2525	75	N154	1322.751	15600.146	5002.942	0	0	0
2526	75	N301	-328.885	17244.592	3850.332	0	0	0
2527	75	N318	804.975	17652.334	-4184.461	0	0	0
2528	75	N324	-87.831	15345.12	3689.037	0	0	0
2529	75	N330	-738.125	9754.254	-1541.529	0	0	0
2530	75	N331	442.466	20899.248	-4354.912	0	0	0

Node Reactions (Continued)

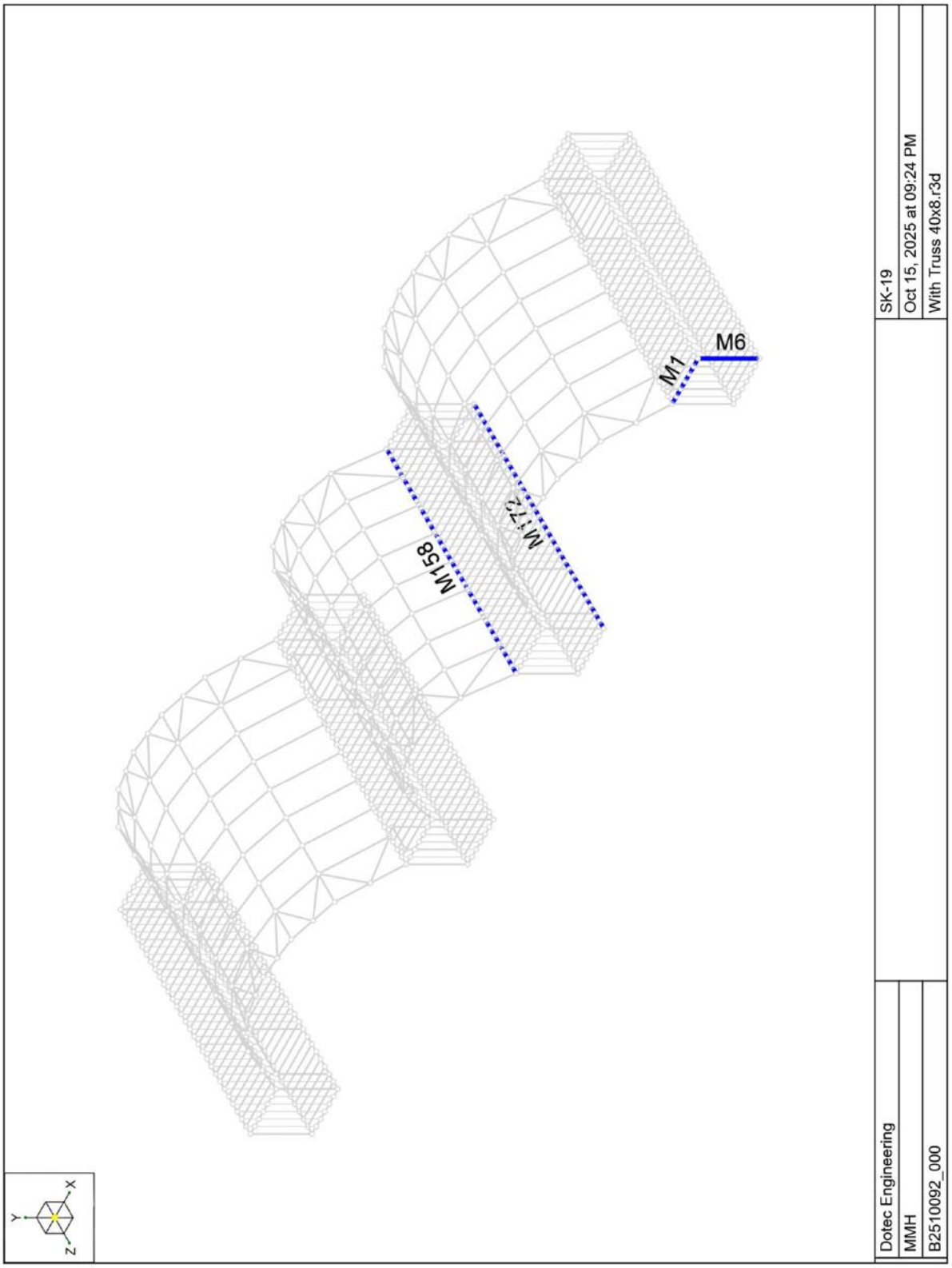
	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2531	75	N342	-422.927	7470.157	80.593	0	0	0
2532	75	N343	768.794	10575.339	-1936.561	0	0	0
2533	75	N297	675.962	9945.355	1786.975	0	0	0
2534	75	N298	489.106	7326.821	95.893	0	0	0
2535	75	N445	-961.53	11476.969	2393.056	0	0	0
2536	75	N446	-1174.365	14721.753	-4458.895	0	0	0
2537	75	N531	8.292	15620.096	-3695.602	0	0	0
2538	75	N532	246.678	17635.374	-3887.099	0	0	0
2539	75	N565	-701.305	17354.196	4055.011	0	0	0
2540	75	N566	-344.055	20460.49	4315.892	0	0	0
2541	75	N591	1680.547	15184.78	4845.983	0	0	0
2542	75	N595	-6.541	16459.464	3728.68	0	0	0
2543	75	N612	1142.201	17152.48	-4125.498	0	0	0
2544	75	N618	233.881	15062.531	3629.749	0	0	0
2545	75	N624	-277.926	8964.081	-1433.52	0	0	0
2546	75	N625	797.732	19876.737	-4090.169	0	0	0
2547	75	N636	126.983	6634.749	-73.877	0	0	0
2548	75	N637	1079.533	10531.007	-1876.442	0	0	0
2549	75	Totals:	0	448813.811	2421.36			
2550	75	COG (in):	X: -732	Y: 28.187	Z: 238.232			
2551	76	N2	20.479	6603.298	227.906	0	0	0
2552	76	N1	138.577	9031.551	1659.009	0	0	0
2553	76	N4	-1491.962	14566.086	-4407.448	0	0	0
2554	76	N3	-1309.435	11185.506	2210.972	0	0	0
2555	76	N91	-341.491	15205.778	-3550.094	0	0	0
2556	76	N125	-1015.159	16973.563	4078.3	0	0	0
2557	76	N126	-673.054	19521.745	4119.82	0	0	0
2558	76	N92	-104.366	16778.212	-3732.68	0	0	0
2559	76	N154	1322.751	15600.146	5002.942	0	0	0
2560	76	N301	-328.885	17244.592	3850.332	0	0	0
2561	76	N318	804.975	17652.334	-4184.461	0	0	0
2562	76	N324	-87.831	15345.12	3689.037	0	0	0
2563	76	N330	-738.125	9754.254	-1541.529	0	0	0
2564	76	N331	442.466	20899.248	-4354.912	0	0	0
2565	76	N342	-422.927	7470.157	80.593	0	0	0
2566	76	N343	768.794	10575.339	-1936.561	0	0	0
2567	76	N297	675.962	9945.355	1786.975	0	0	0
2568	76	N298	489.106	7326.821	95.893	0	0	0
2569	76	N445	-961.53	11476.969	2393.056	0	0	0
2570	76	N446	-1174.365	14721.753	-4458.895	0	0	0
2571	76	N531	8.292	15620.096	-3695.602	0	0	0
2572	76	N532	246.678	17635.374	-3887.099	0	0	0
2573	76	N565	-701.305	17354.196	4055.011	0	0	0
2574	76	N566	-344.055	20460.49	4315.892	0	0	0
2575	76	N591	1680.547	15184.78	4845.983	0	0	0
2576	76	N595	-6.541	16459.464	3728.68	0	0	0
2577	76	N612	1142.201	17152.48	-4125.498	0	0	0
2578	76	N618	233.881	15062.531	3629.749	0	0	0
2579	76	N624	-277.926	8964.081	-1433.52	0	0	0
2580	76	N625	797.732	19876.737	-4090.169	0	0	0
2581	76	N636	126.983	6634.749	-73.877	0	0	0
2582	76	N637	1079.533	10531.007	-1876.442	0	0	0
2583	76	Totals:	0	448813.811	2421.36			
2584	76	COG (in):	X: -732	Y: 28.187	Z: 238.232			
2585	77	N2	20.479	6603.298	227.906	0	0	0

Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2586	77	N1	138.577	9031.551	1659.009	0	0	0
2587	77	N4	-1491.962	14566.086	-4407.448	0	0	0
2588	77	N3	-1309.435	11185.506	2210.972	0	0	0
2589	77	N91	-341.491	15205.778	-3550.094	0	0	0
2590	77	N125	-1015.159	16973.563	4078.3	0	0	0
2591	77	N126	-673.054	19521.745	4119.82	0	0	0
2592	77	N92	-104.366	16778.212	-3732.68	0	0	0
2593	77	N154	1322.751	15600.146	5002.942	0	0	0
2594	77	N301	-328.885	17244.592	3850.332	0	0	0
2595	77	N318	804.975	17652.334	-4184.461	0	0	0
2596	77	N324	-87.831	15345.12	3689.037	0	0	0
2597	77	N330	-738.125	9754.254	-1541.529	0	0	0
2598	77	N331	442.466	20899.248	-4354.912	0	0	0
2599	77	N342	-422.927	7470.157	80.593	0	0	0
2600	77	N343	768.794	10575.339	-1936.561	0	0	0
2601	77	N297	675.962	9945.355	1786.975	0	0	0
2602	77	N298	489.106	7326.821	95.893	0	0	0
2603	77	N445	-961.53	11476.969	2393.056	0	0	0
2604	77	N446	-1174.365	14721.753	-4458.895	0	0	0
2605	77	N531	8.292	15620.096	-3695.602	0	0	0
2606	77	N532	246.678	17635.374	-3887.099	0	0	0
2607	77	N565	-701.305	17354.196	4055.011	0	0	0
2608	77	N566	-344.055	20460.49	4315.892	0	0	0
2609	77	N591	1680.547	15184.78	4845.983	0	0	0
2610	77	N595	-6.541	16459.464	3728.68	0	0	0
2611	77	N612	1142.201	17152.48	-4125.498	0	0	0
2612	77	N618	233.881	15062.531	3629.749	0	0	0
2613	77	N624	-277.926	8964.081	-1433.52	0	0	0
2614	77	N625	797.732	19876.737	-4090.169	0	0	0
2615	77	N636	126.983	6634.749	-73.877	0	0	0
2616	77	N637	1079.533	10531.007	-1876.442	0	0	0
2617	77	Totals:	0	448813.811	2421.36			
2618	77	COG (in):	X: -732	Y: 28.187	Z: 238.232			
2619	78	N2	-134.686	1166.91	264.296	0	0	0
2620	78	N1	-271.553	1527.05	264.49	0	0	0
2621	78	N4	-672.187	3194.389	-709.914	0	0	0
2622	78	N3	-870.931	3367.605	705.294	0	0	0
2623	78	N91	-373.116	3166.416	-561.985	0	0	0
2624	78	N125	-368.172	3327.697	771.494	0	0	0
2625	78	N126	-308.918	3261.379	620.398	0	0	0
2626	78	N92	-346.405	3113.105	-546.238	0	0	0
2627	78	N154	647.411	4347.692	1447.159	0	0	0
2628	78	N301	-29.526	3228.368	619.635	0	0	0
2629	78	N318	286.265	3989.436	-909.584	0	0	0
2630	78	N324	2.567	3162.616	691.442	0	0	0
2631	78	N330	-178.918	1888.613	-34.304	0	0	0
2632	78	N331	209.727	4494.026	-793.202	0	0	0
2633	78	N342	-47.354	1765.94	57.732	0	0	0
2634	78	N343	347.158	2400.73	-272.302	0	0	0
2635	78	N297	96.115	2143.825	361.603	0	0	0
2636	78	N298	135.502	1574.258	177.626	0	0	0
2637	78	N445	-603.874	3602.498	880.88	0	0	0
2638	78	N446	-449.9	3176.965	-721.843	0	0	0
2639	78	N531	-108.575	3529.12	-700.124	0	0	0
2640	78	N532	-80.042	3749.411	-668.748	0	0	0

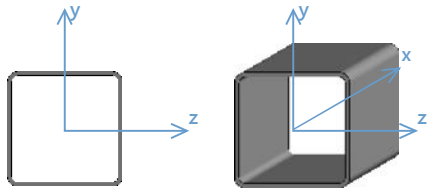
Node Reactions (Continued)

	LC	Node Label	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	MZ [k-ft]
2641	78	N565	-148.043	3592.003	737.14	0	0	0
2642	78	N566	-78.511	3909.191	741.121	0	0	0
2643	78	N591	923.266	4018.768	1294.552	0	0	0
2644	78	N595	198.58	2688.111	540.792	0	0	0
2645	78	N612	537.55	3566.162	-834.257	0	0	0
2646	78	N618	229.688	2975.558	668.267	0	0	0
2647	78	N624	85.887	1436.596	36.211	0	0	0
2648	78	N625	475.15	3734.524	-580.952	0	0	0
2649	78	N636	331.16	1209.494	-58.873	0	0	0
2650	78	N637	564.688	2495.451	-259.325	0	0	0
2651	78	Totals:	0	94803.907	3228.48			
2652	78	COG (in):	X: -732.001	Y: 89.509	Z: 228.839			


M6
M1
M172
M158
SK-19
Oct 15, 2025 at 09:24 PM
With Truss 40x8.r3d
Dotec Engineering
MMH
B2510092_000
X
Y
Z

Detail Report: M6

Load Combination: Envelope **Code check:** 0.066 (LC 14)



Input Data

Shape:	HSS6X6X4	**I Node:**	N8
Member Type:	Column	**J Node:**	N4
Length (in):	114	**I Release:**	Fixed
Material Type:	Hot Rolled Steel	**J Release:**	Fixed
Design Rule:	Typical	**I Offset:**	N/A
Internal Sections:	97	**J Offset:**	N/A
Design Code:	AISC 15th (360-16): ASD	**T/C Only:**	Both Way

Material Properties

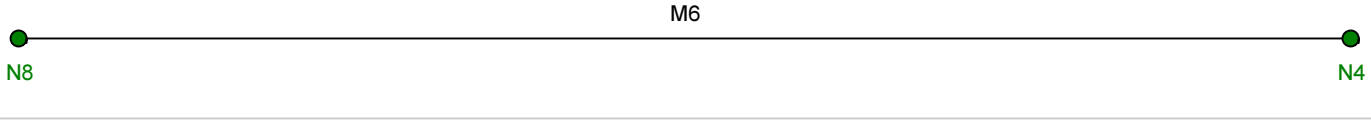
Material:	A500 Gr.B RECT	**Therm. Coeff. (/1E5 F):**	0.65	**F_u (ksi):**	58
E (ksi):	29000	**Density (k/ft^3):**	0.527	**R_t:**	1.3
G (ksi):	11154	**F_y (ksi):**	46		
Nu:	0.3	**R_y:**	1.4		

Shape Properties

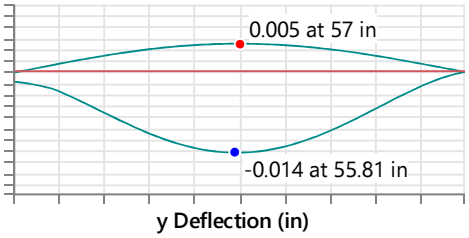
d (in):	6	**I_{yy} (in^4):**	28.6	**J (in^4):**	45.6
b_f (in):	6	**I_{zz} (in^4):**	28.6		
t (in):	0.233	**Area (in^2):**	5.24		

Design Properties

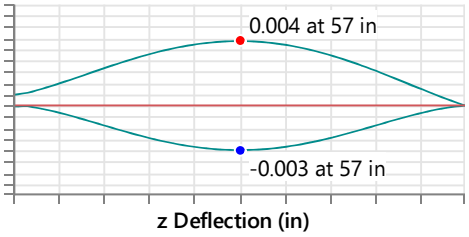
$L_{b\ y\text{-}y}$ (in):	114	**$K_{y\text{-}y}$:**	1	**Seismic DR:**	None
$L_{b\ z\text{-}z}$ (in):	114	**$K_{z\text{-}z}$:**	1	**Max Defl Ratio:**	L/8393
$L_{comp\ top}$:	Lbyy	**y sway:**	No	**Max Defl Location:**	57
$L_{comp\ bot}$ (in):	114	**z sway:**	No	**Span:**	N/A
L_{torque} (in):	114	**Function:**	Lateral	**τ_b:**	1



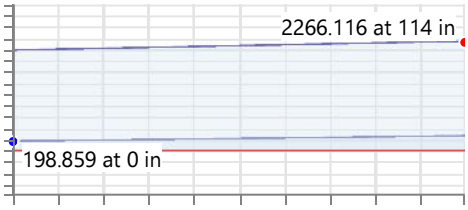
Diagrams:



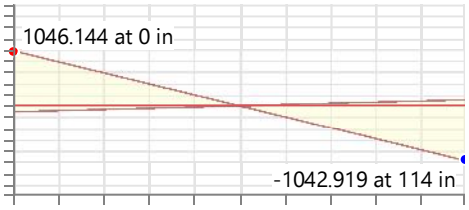
y Deflection (in)



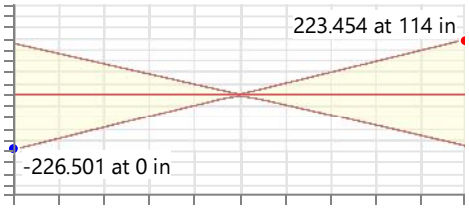
z Deflection (in)



Axial Force (lb)



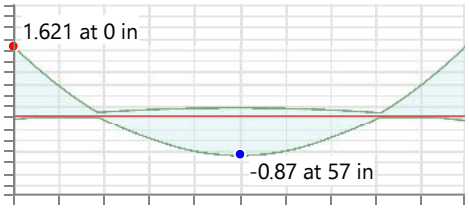
y Shear Force (lb)



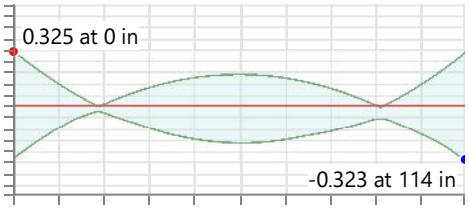
z Shear Force (lb)



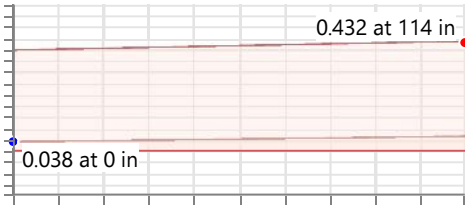
Torsion (k-ft)



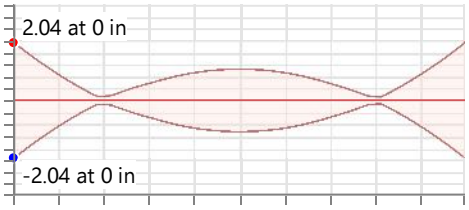
z-z Moment (k-ft)



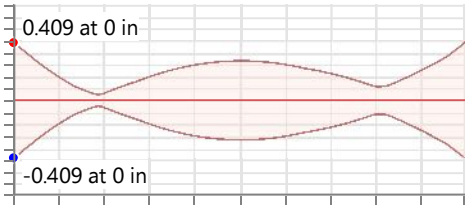
y-y Moment (k-ft)



Axial Stress (ksi)



Bending Strong Stress (ksi)



Bending Weak Stress (ksi)

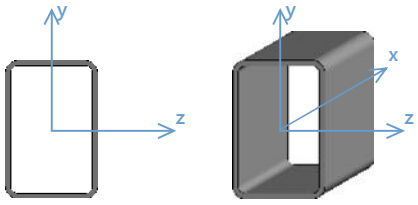
AISC 15th (360-16): ASD Code Check

Limit State	Gov. LC	Required	Available	Unity Check	Result
Applied Loading - Bending/Axial	14	-	-	-	-
Applied Loading - Shear + Torsion	18	-	-	-	-
Axial Tension Analysis	14	0 lb	1.443e+5 lb	-	-
Axial Compression Analysis	14	706.099 lb	1.23e+5 lb	-	-
Flexural Analysis (Strong Axis)	14	1.307 k-ft	25.709 k-ft	-	-
Flexural Analysis (Weak Axis)	-	0.323 k-ft	25.709 k-ft	-	-
Shear Analysis (Major Axis y)	18	1050.127 lb	40825.953 lb	**0.026**	**PASS**
Shear Analysis (Minor Axis z)	18	29.458 lb	40825.953 lb	**0.0007216**	**PASS**

Bending & Axial Interaction Check (UC Bending Max)	14	-	-	**0.066**	**PASS**
Torsional Analysis	14	0.003 k-ft	21.278 k-ft	**0.0001342**	**PASS**

Detail Report: M1

Load Combination: Envelope **Code check:** 0.040 (LC 16)



Input Data

Shape:	HSS6X4X4	**I Node:**	N6
Member Type:	Beam	**J Node:**	N8
Length (in):	96	**I Release:**	Fixed
Material Type:	Hot Rolled Steel	**J Release:**	Fixed
Design Rule:	Typical	**I Offset:**	N/A
Internal Sections:	97	**J Offset:**	N/A
Design Code:	AISC 15th (360-16): ASD	**T/C Only:**	Both Way

Material Properties

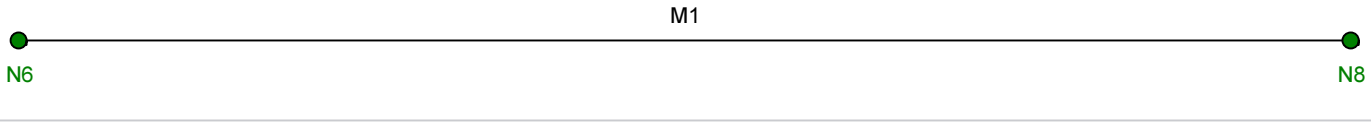
Material:	A500 Gr.B RECT	**Therm. Coeff. (/1E5 F):**	0.65	**F_u (ksi):**	58
E (ksi):	29000	**Density (k/ft^3):**	0.527	**R_t:**	1.3
G (ksi):	11154	**F_y (ksi):**	46		
Nu:	0.3	**R_y:**	1.4		

Shape Properties

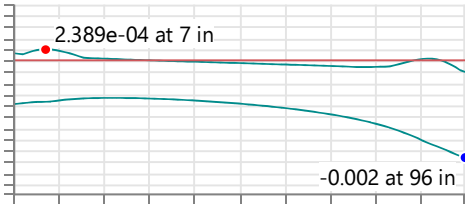
d (in):	6	**I_{yy} (in^4):**	11.1	**J (in^4):**	23.6
b_f (in):	4	**I_{zz} (in^4):**	20.9		
t (in):	0.233	**Area (in^2):**	4.3		

Design Properties

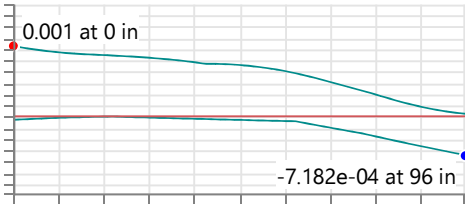
$L_{b\ y\text{-}y}$ (in):	96	**$K_{y\text{-}y}$:**	1	**Seismic DR:**	None
$L_{b\ z\text{-}z}$ (in):	96	**$K_{z\text{-}z}$:**	1	**Max Defl Ratio:**	L/10000
$L_{comp\ top}$:	Lbyy	**y sway:**	No	**Max Defl Location:**	0
$L_{comp\ bot}$ (in):	96	**z sway:**	No	**Span:**	N/A
L_{torque} (in):	96	**Function:**	Lateral	**τ_b:**	1



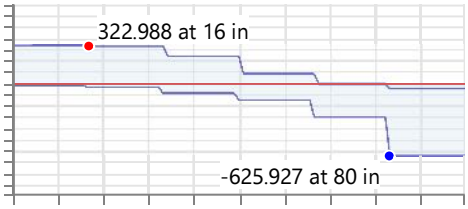
Diagrams:



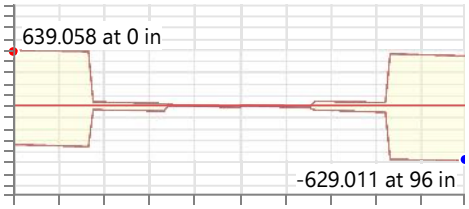
y Deflection (in)



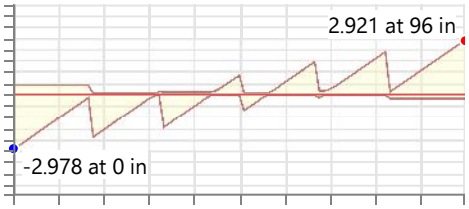
z Deflection (in)



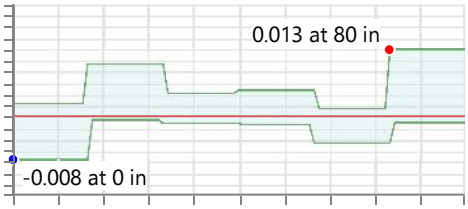
Axial Force (lb)



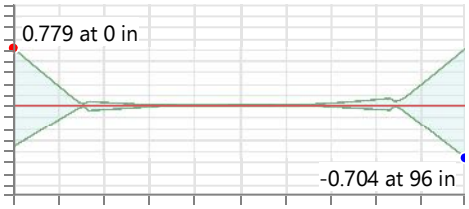
y Shear Force (lb)



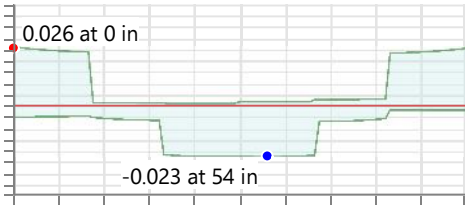
z Shear Force (lb)



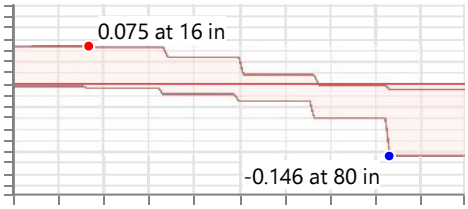
Torsion (k-ft)



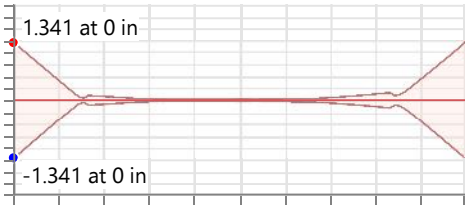
z-z Moment (k-ft)



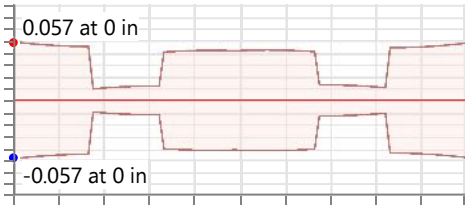
y-y Moment (k-ft)



Axial Stress (ksi)



Bending Strong Stress (ksi)



Bending Weak Stress (ksi)

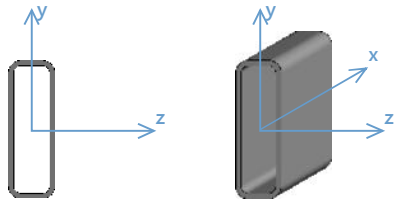
AISC 15th (360-16): ASD Code Check

Limit State	Gov. LC	Required	Available	Unity Check	Result
Applied Loading - Bending/Axial	16	-	-	-	-
Applied Loading - Shear + Torsion	52	-	-	-	-
Axial Tension Analysis	16	127.562 lb	1.184e+5 lb	-	-
Axial Compression Analysis	16	0 lb	93156 lb	-	-
Flexural Analysis (Strong Axis)	16	0.771 k-ft	19.58 k-ft	-	-
Flexural Analysis (Weak Axis)	-	0.002 k-ft	14.805 k-ft	-	-
Shear Analysis (Major Axis y)	52	642.666 lb	40825.953 lb	**0.016**	**PASS**
Shear Analysis (Minor Axis z)	52	2.313 lb	25422.84 lb	**9.099e-5**	**PASS**

Bending & Axial Interaction Check (UC Bending Max)	16	-	-	**0.04**	**PASS**
Torsional Analysis	16	0.000893 k-ft	13.875 k-ft	**6.436e-5**	**PASS**

Detail Report: M172

Load Combination: Envelope **Code check:** 0.281 (LC 2)



Input Data

Shape:	HSS6X2X4	**I Node:**	N330
Member Type:	Beam	**J Node:**	N342
Length (in):	480	**I Release:**	Fixed
Material Type:	Hot Rolled Steel	**J Release:**	Fixed
Design Rule:	Typical	**I Offset:**	N/A
Internal Sections:	97	**J Offset:**	N/A
Design Code:	AISC 15th (360-16): ASD	**T/C Only:**	Both Way

Material Properties

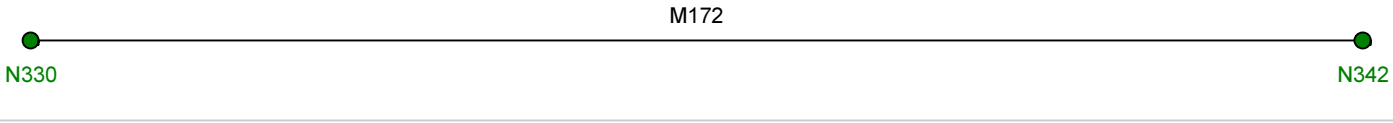
Material:	A500 Gr.B RECT	**Therm. Coeff. (/1E5 F):**	0.65	**F_u (ksi):**	58
E (ksi):	29000	**Density (k/ft^3):**	0.527	**R_t:**	1.3
G (ksi):	11154	**F_y (ksi):**	46		
Nu:	0.3	**R_y:**	1.4		

Shape Properties

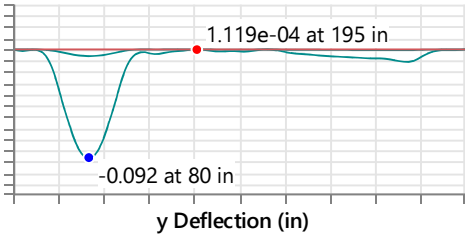
d (in):	6	**I_{yy} (in^4):**	2.21	**J (in^4):**	6.55
b_f (in):	2	**I_{zz} (in^4):**	13.1		
t (in):	0.233	**Area (in^2):**	3.37		

Design Properties

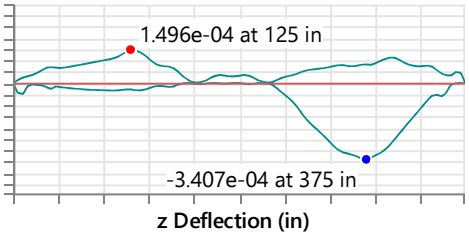
$L_{b\ y\text{-}y}$ (in):	18	**$K_{y\text{-}y}$:**	1	**Seismic DR:**	None
$L_{b\ z\text{-}z}$ (in):	18	**$K_{z\text{-}z}$:**	1	**Max Defl Ratio:**	L/1090
$L_{comp\ top}$ (in):	18	**y sway:**	No	**Max Defl Location:**	80
$L_{comp\ bot}$ (in):	18	**z sway:**	No	**Span:**	3
L_{torque} (in):	480	**Function:**	Lateral	**τ_b:**	1



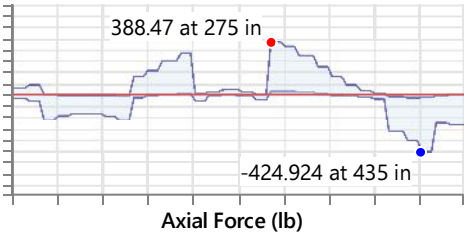
Diagrams:



y Deflection (in)



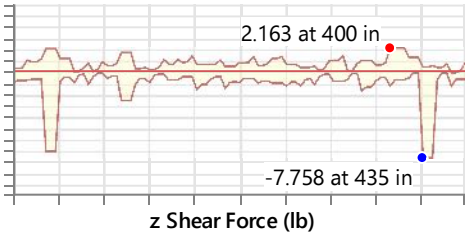
z Deflection (in)



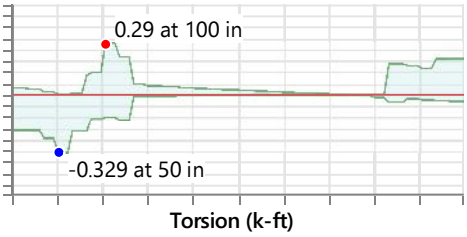
Axial Force (lb)



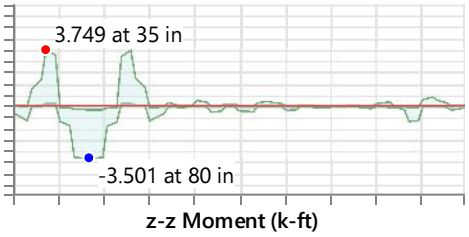
y Shear Force (lb)



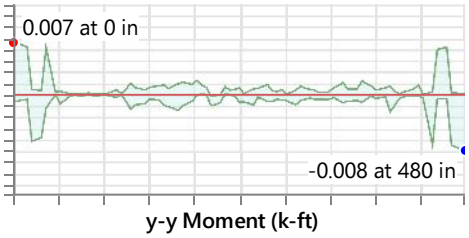
z Shear Force (lb)



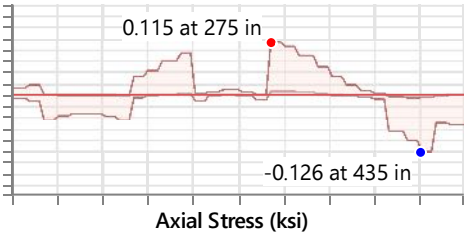
Torsion (k-ft)



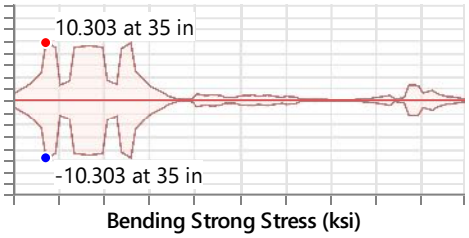
z-z Moment (k-ft)



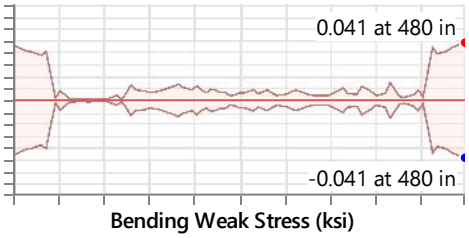
y-y Moment (k-ft)



Axial Stress (ksi)



Bending Strong Stress (ksi)



Bending Weak Stress (ksi)

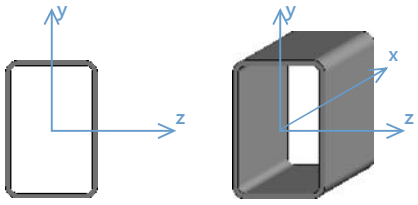
AISC 15th (360-16): ASD Code Check

Limit State	Gov. LC	Required	Available	Unity Check	Result
Applied Loading - Bending/Axial	2	-	-	-	-
Applied Loading - Shear + Torsion	20	-	-	-	-
Axial Tension Analysis	2	189.677 lb	92826.344 lb	-	-
Axial Compression Analysis	2	0 lb	89792 lb	-	-
Flexural Analysis (Strong Axis)	2	3.749 k-ft	13.405 k-ft	-	-
Flexural Analysis (Weak Axis)	-	0.000491 k-ft	5.991 k-ft	-	-
Shear Analysis (Major Axis y)	20	2301.945 lb	40825.953 lb	**0.056**	**PASS**
Shear Analysis (Minor Axis z)	20	504.646 lb	10019.726 lb	**0.05**	**PASS**

Bending & Axial Interaction Check (UC Bending Max)	2	-	-	**0.281**	**PASS**
Torsional Analysis	2	0.208 k-ft	6.473 k-ft	**0.032**	**PASS**

Detail Report: M158

Load Combination: Envelope **Code check:** 0.054 (LC 49)



Input Data

Shape:	HSS6X4X4	**I Node:**	N158
Member Type:	Beam	**J Node:**	N325
Length (in):	480	**I Release:**	Fixed
Material Type:	Hot Rolled Steel	**J Release:**	Fixed
Design Rule:	Typical	**I Offset:**	N/A
Internal Sections:	97	**J Offset:**	N/A
Design Code:	AISC 15th (360-16): ASD	**T/C Only:**	Both Way

Material Properties

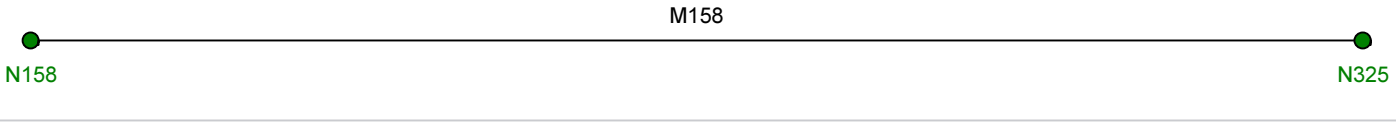
Material:	A500 Gr.B RECT	**Therm. Coeff. (/1E5 F):**	0.65	**F_u (ksi):**	58
E (ksi):	29000	**Density (k/ft^3):**	0.527	**R_t:**	1.3
G (ksi):	11154	**F_y (ksi):**	46		
Nu:	0.3	**R_y:**	1.4		

Shape Properties

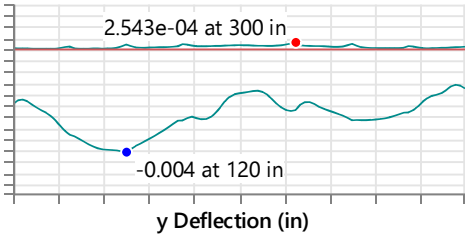
d (in):	6	**I_{yy} (in^4):**	11.1	**J (in^4):**	23.6
b_f (in):	4	**I_{zz} (in^4):**	20.9		
t (in):	0.233	**Area (in^2):**	4.3		

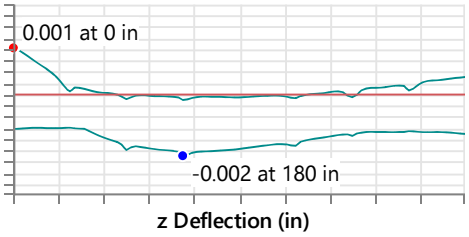
Design Properties

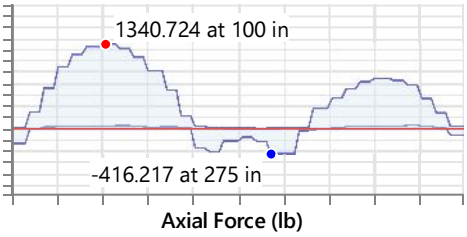
$L_{b\ y\text{-}y}$ (in):	18	**$K_{y\text{-}y}$:**	1	**Seismic DR:**	None
$L_{b\ z\text{-}z}$ (in):	18	**$K_{z\text{-}z}$:**	1	**Max Defl Ratio:**	L/10000
$L_{comp\ top}$ (in):	18	**y sway:**	No	**Max Defl Location:**	0
$L_{comp\ bot}$ (in):	18	**z sway:**	No	**Span:**	N/A
L_{torque} (in):	480	**Function:**	Lateral	**τ_b:**	1

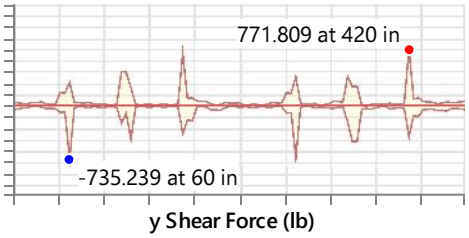


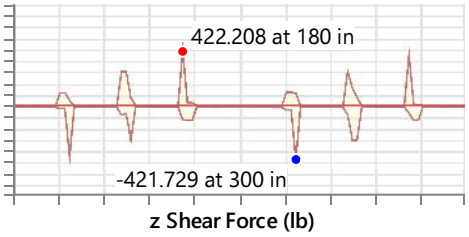
Diagrams:

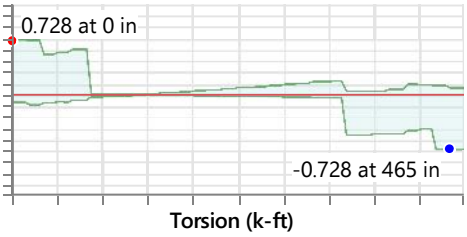


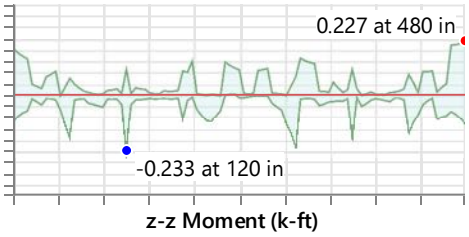


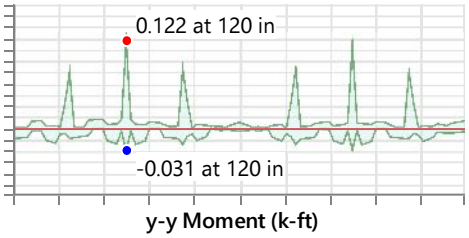


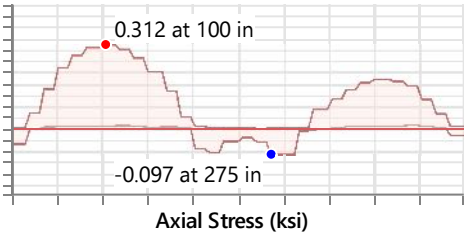


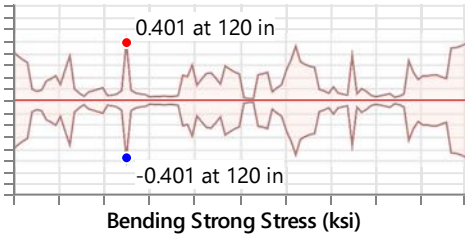














AISC 15th (360-16): ASD Code Check

Limit State	Gov. LC	Required	Available	Unity Check	Result
Applied Loading - Bending/Axial	73	-	-	-	-
Applied Loading - Shear + Torsion	49	-	-	-	-
Axial Tension Analysis	73	0 lb	1.184e+5 lb	-	-
Axial Compression Analysis	73	1124.291 lb	1.174e+5 lb	-	-
Flexural Analysis (Strong Axis)	73	0.233 k-ft	19.58 k-ft	-	-
Flexural Analysis (Weak Axis)	-	0.121 k-ft	14.805 k-ft	-	-
Shear Analysis (Major Axis y)	49	2199.073 lb	40825.953 lb	**0.054**	**PASS**
Shear Analysis (Minor Axis z)	49	1328.665 lb	25422.84 lb	**0.052**	**PASS**

Bending & Axial Interaction Check (UC Bending Max)	73	-	-	**0.025**	**PASS**
Torsional Analysis	73	0.002 k-ft	13.875 k-ft	**0.0001215**	**PASS**

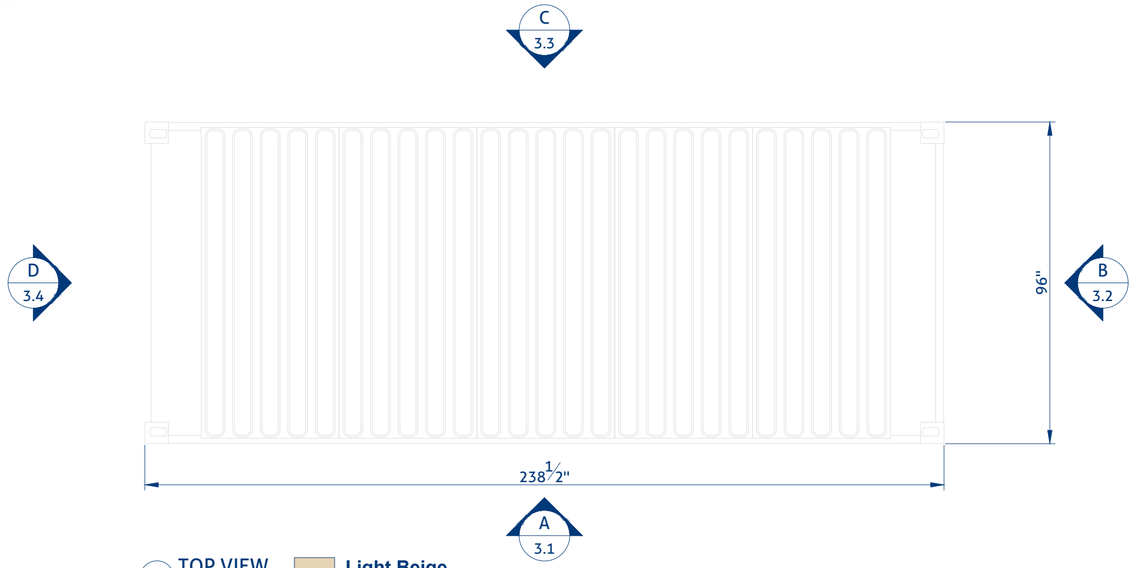
20ft Used Cargo Worthy Standard Certified ISO Container

City of West Sacramento

1110 West Capitol Ave, First F

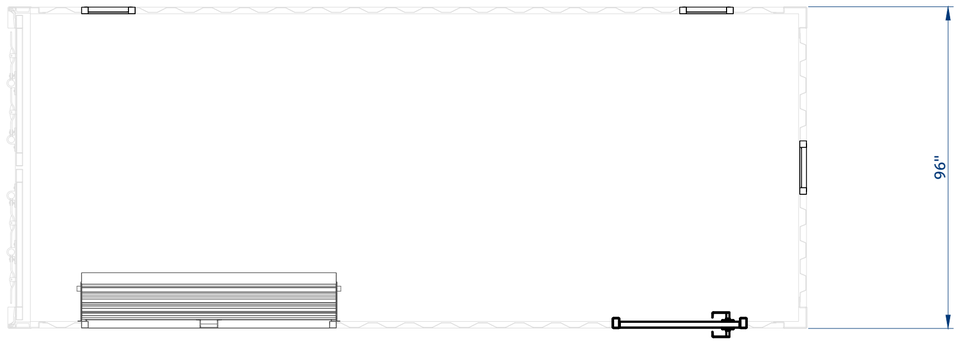
SO-018401 - Unit 1

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	INITIAL RELEASE	10/08/2025	



1 TOP VIEW
3/8":1'

Light Beige
RAL 1015



2 FLOOR VIEW
3/8":1'

GENERAL SYMBOLS

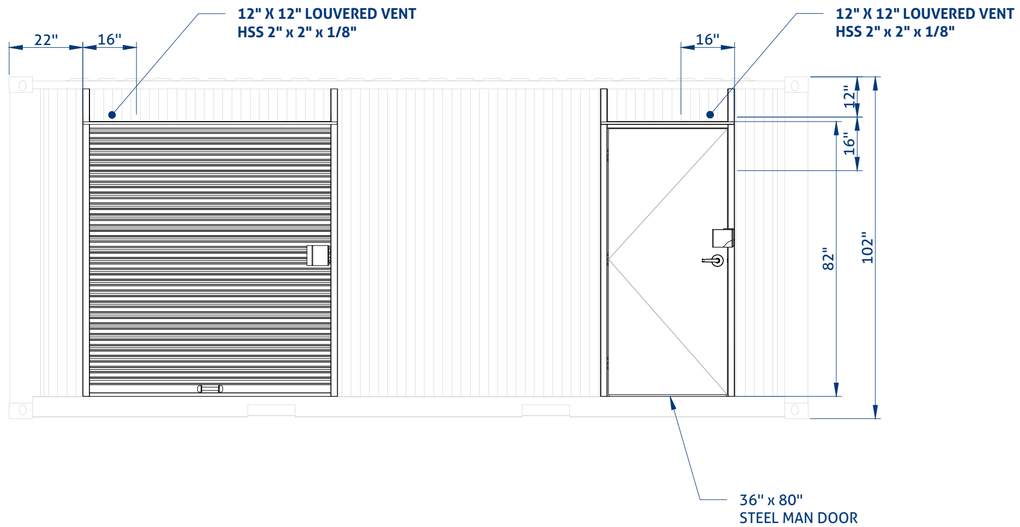
1	Key Note	0' 0" First Level	Elevation Above Finish Floor
1	Item Indicator	0' 0" First Level	Elevation Above Finish Floor
1	Revision Note	B 1.1	Section Indicator
A 1.1	Detail Callout	1 S1	Elevation Indicator
1	Equipment Tag	NORTH	North Arrow
1	Wall Finish	1 Front View Scale: 1:1	View Title
			Break Line

B2510092

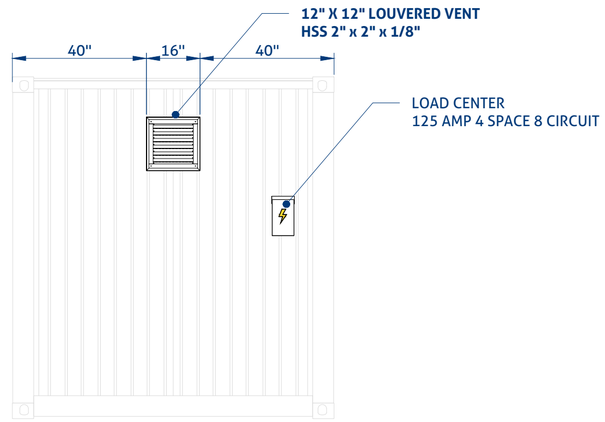
LICENSED PROFESSIONAL ENGINEER
Ali Elawadi
C 97815
CIVIL
STATE OF CALIFORNIA

Ali Elawadi
10/15/2025

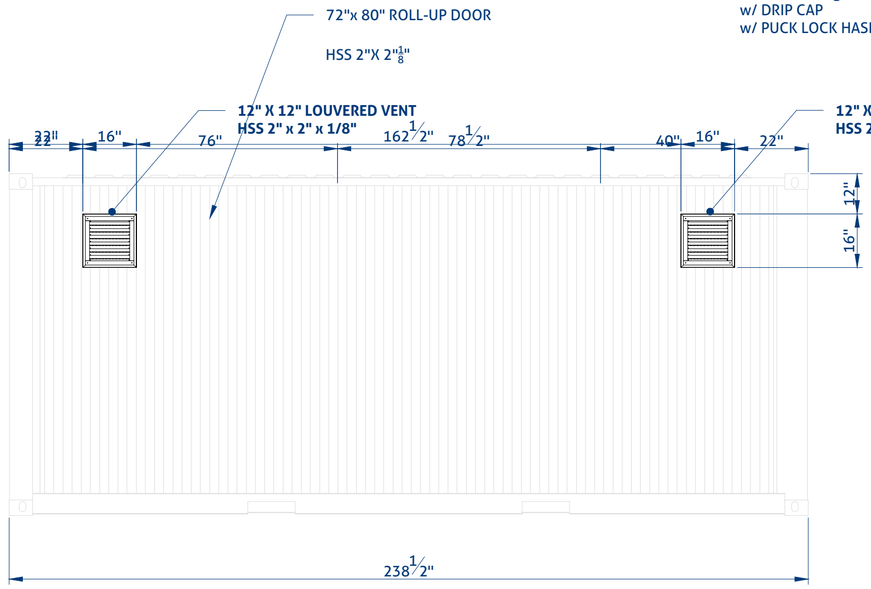
Unless otherwise specified dimensions are inches	Conexwest www.conexwest.com (855) 878-5233			Project: CITY OF WEST SACRAMENTO	
Tolerances are:				Title: SHOP DRAWINGS	
FRACTIONS: ±1/16"	DECIMALS: .xx ±0.015" .xxx ±0.005"	ANGLES: ±1/2°	Drafted by: LF	Customer: CITY WEST SACR,	Sales rep.: L.T
Drawing Number: SO-018401	Page: SD-1/4		Date: 10/08/2025	Drawing Scale: 3/8":1'	Revision: 1
Construction type: V					



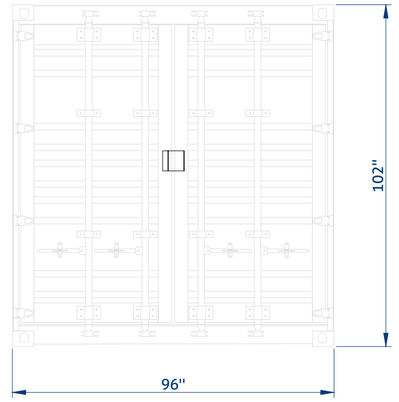
1 [A] RIGHT VIEW
3/8'':1'



2 [B] REAR VIEW
3/8'':1'



3 [C] LEFT VIEW
3/8'':1'



4 [D] FRONT VIEW
3/8'':1'

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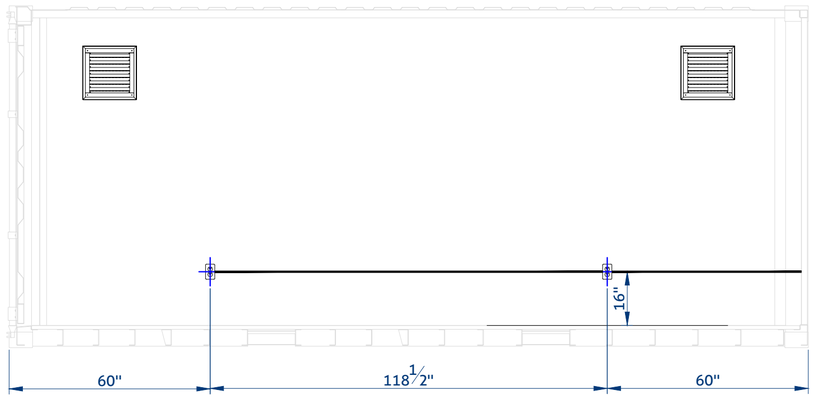
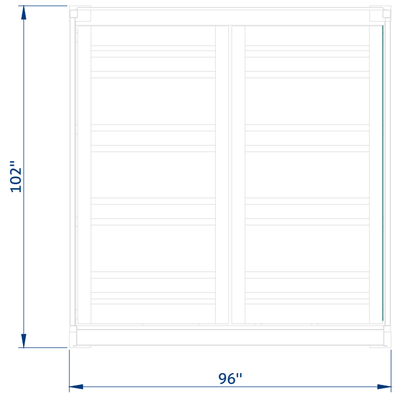
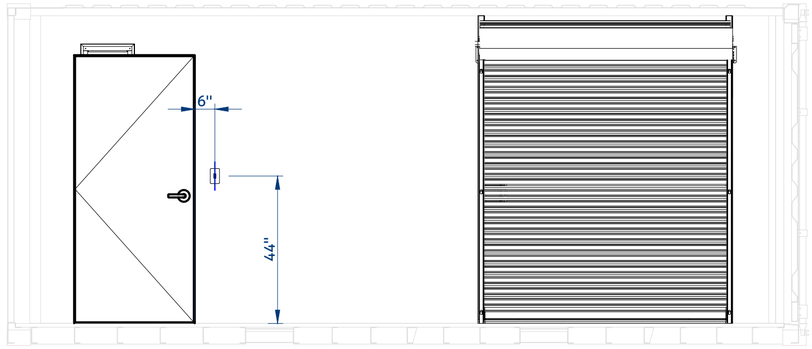
FRACTIONS	DECIMALS	ANGLES	Drafted by: LF	Customer: CITY WEST SACR,	Sales rep.: L.T	Drawing Number: SO-018401	Page: SD-2/4
±1/16"	.xx ±0.015" .xxx ±0.005"	±1/2°	Date: 10/08/2025	Drawing Scale: 3/8'':1'	Revision: 1	Construction type: V	



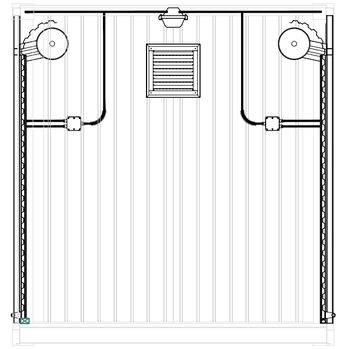
1 [E] INTERIOR VIEW OF LEFT WALL
3/8":1'



2 [F] INTERIOR VIEW OF FRONT WALL
3/8":1'



3 [G] INTERIOR VIEW OF RIGHT WALL
3/8":1'



4 [H] INTERIOR VIEW OF REAR WALL
3/8":1'

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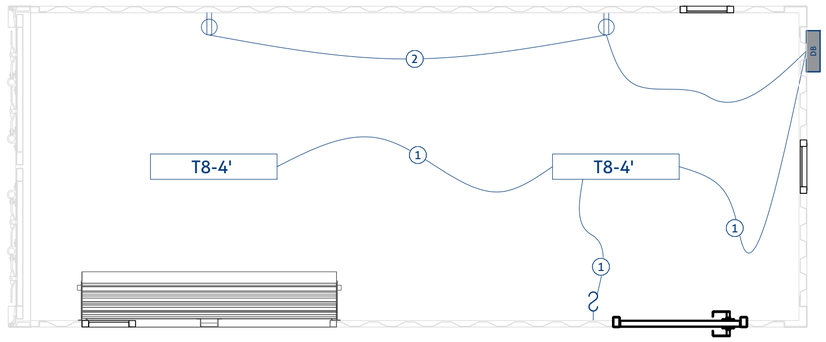
						Title: SHOP DRAWINGS	
FRACTIONS	DECIMALS	ANGLES	Drafted by: LF	Customer: CITY WEST SACR,	Sales rep.: L.T	Drawing Number: SO-018401	Page: SD-3/4
±1/16"	.xx ±0.015" .xxx ±0.005"	±1/2°	Date: 10/08/2025	Drawing Scale: 3/8":1'	Revision: 1	Construction type: V	



2 FLOOR VIEW
3/8":1'

ELECTRICAL SYMBOLS

- Duplex receptacle outlet
- Single-pole switch
- Bulb size — T8-4' — Tube lighting outlet
- Identification — DB — Electrical panel

Wall Mounted

Stacked symbols indicate that devices are aligned on the same axis

line — 1 — Circuit id

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10/15/2025

Unless otherwise specified dimensions are inches

Tolerances are:

FRACTIONS	DECIMALS	ANGLES
±1/16"	.xx ±0.015" .xxx ±0.005"	±1/2°

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Project: CITY OF WEST SACRAMENTO

Title: SHOP DRAWINGS

Drafted by:	Customer:	Sales rep.:	Drawing Number:	Page:
LF	CITY WEST SACR,	L.T	SO-018401	SD-4/4

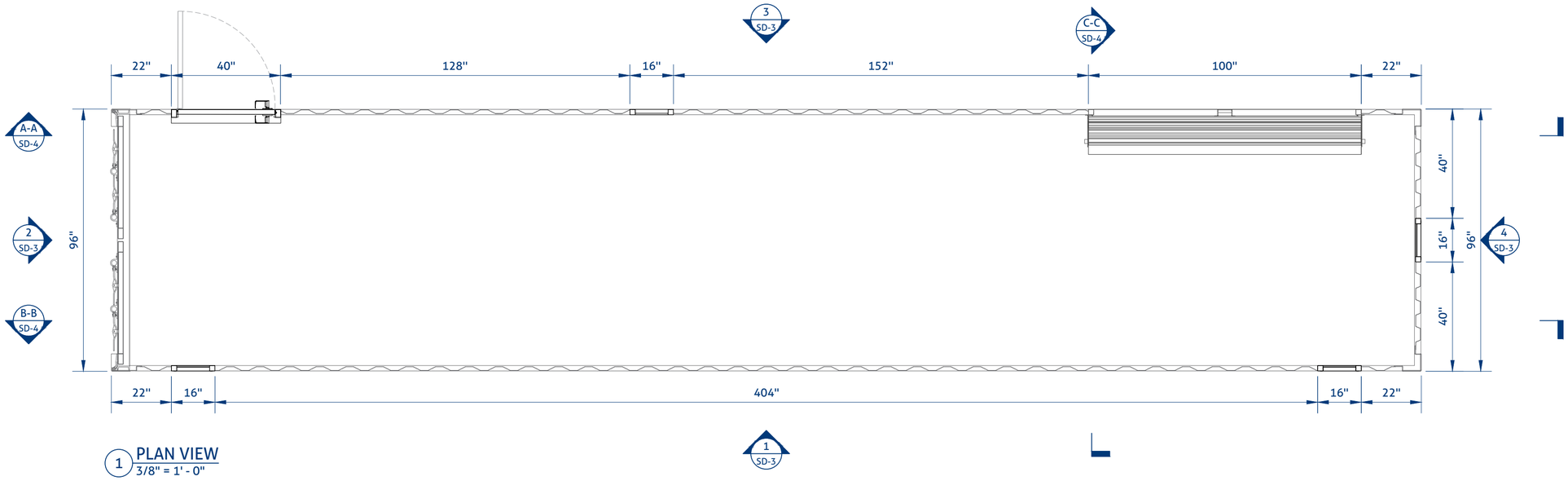
Date:	Drawing Scale:	Revision:	Construction type:
10/08/2025	3/8":1'	1	V

CONTAINER #6 AND #9

City of West Sacramento

SHOP DRAWINGS

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	AA	INITIAL RELEASE	2/6/2025	



1 PLAN VIEW
3/8" = 1' - 0"

N°	DESCRIPTION	DIMENSIONS	MATERIAL	WEIGHT	QTD.
2	HSS 2" X 3" X 16ga"	19 Ft	STEEL	81.51 lbs	1
1	HSS 2" X 2" X 1/8"	40 Ft	STEEL	48.8 lbs	1

BOM (STEEL)

TYPE	DIMENSIONS	MATERIAL	NOTE	QTD.
MAN DOOR LOCKBOX	5-1/2"X 6 -1/2"	STEEL	-	1
36"X 80" MAN DOOR	36"X 80"	STEEL	LEFT HAND OUTSWING	1
LOUVERED VENT	12" X 12"	STEEL	FRAME HSS 2"X 2" X 16ga	4
ROLL-UP DOOR	96" x 88"	ALUMINUM	ROLL-UP LOCKBOX	1

BOM EQUIPMENTS

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STATE OF CALIFORNIA
10/15/2025

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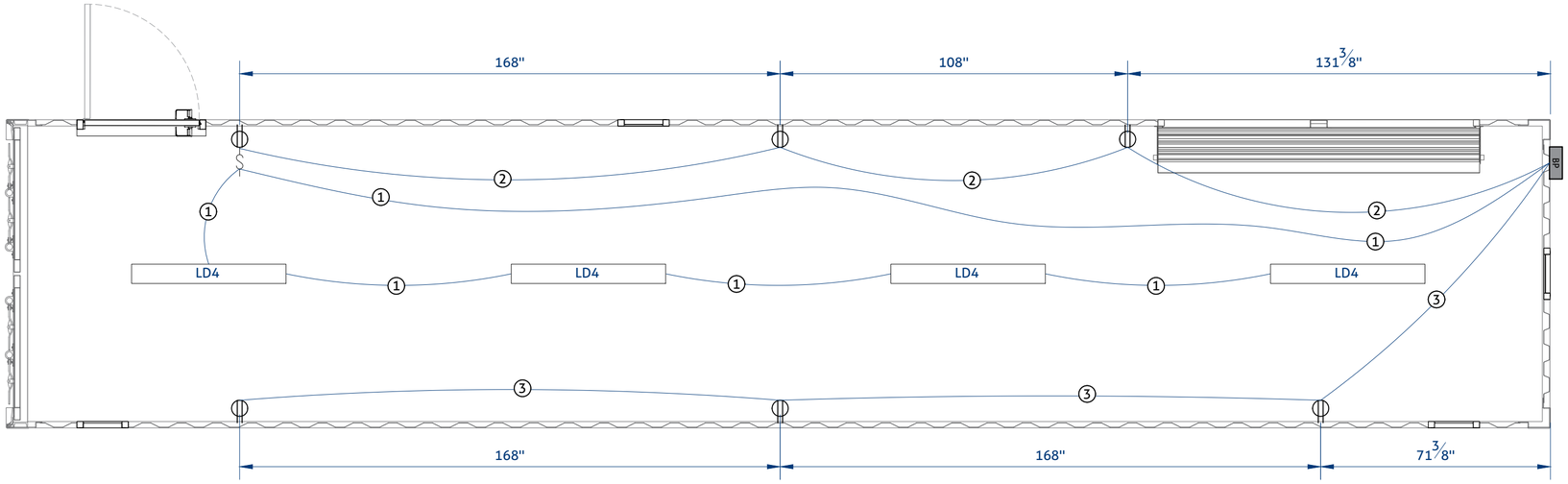
Project: CONTAINER 6 AND 9

Title: FLOOR PLAN

Drafted by:	Customer:	Sales resp.:	Sales Order	Page:
LF	City of West Sacramento	Liudmila Terteac	# SO-000000	SD-1

Date:	Drawing Scale:	Revision:	Construction Type:
02/06/2025	3/8"= 1'-0"	AA	V



1 ELECTRICAL PLAN
3/8" = 1' - 0"

ELECTRICAL SYMBOLS

Duplex receptacle outlet

Electrical panel (DB)

Led Lights 4ft (LD-4')

Single-pole Switch

Electric Circuit (Line, Circuit ID, Line)

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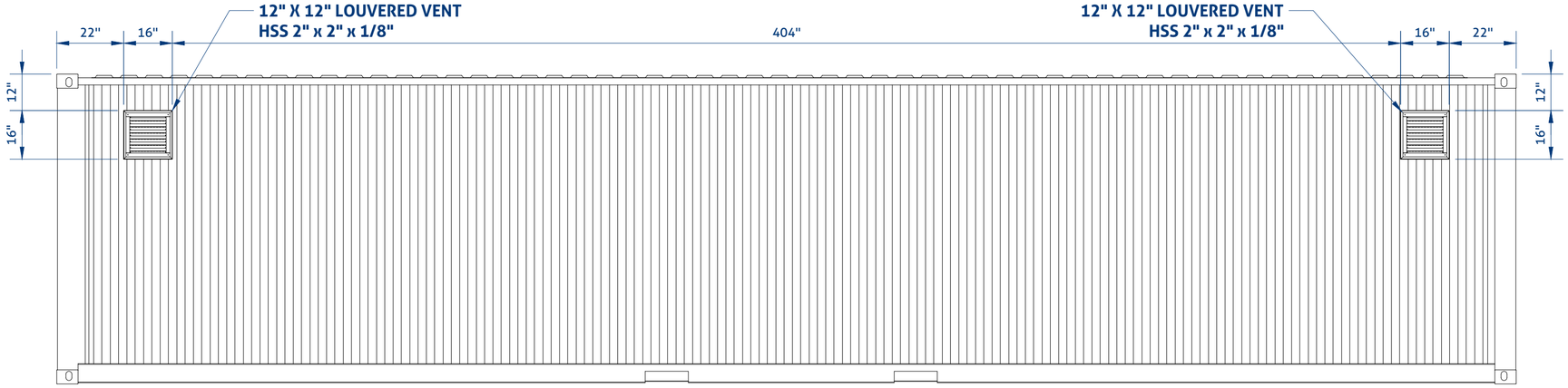
Project: CONTAINER 6 AND 9

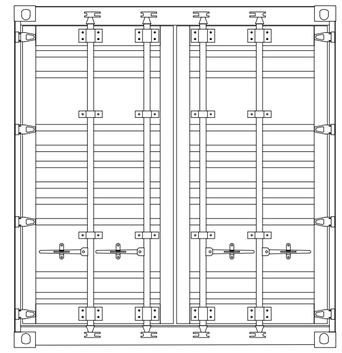
Title: ELECTRICAL PLAN

Drafted by:	Customer:	Sales resp.:	Sales Order	Page:
LF	City of West Sacramento	Liudmila Terteac	# SO-000000	SD-2

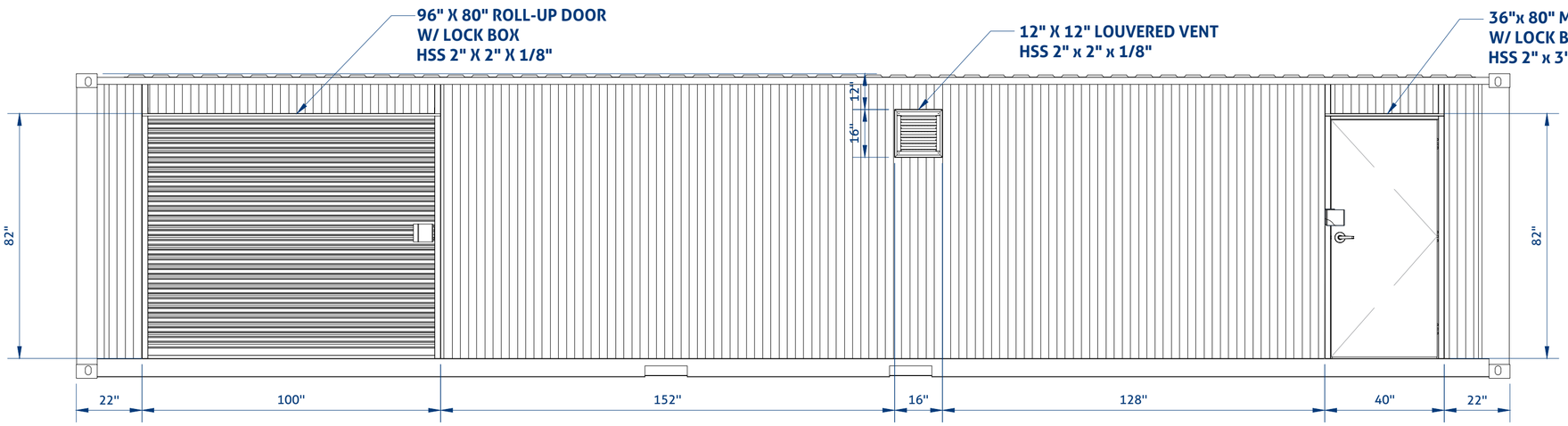
Date:	Drawing Scale:	Revision:	Construction Type:
02/06/2025	3/8"= 1'-0"	AA	V



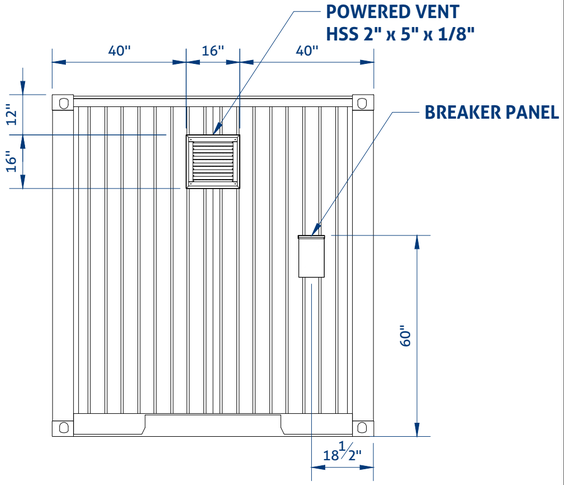
1 RIGHT SIDE VIEW
3/8" = 1' - 0"



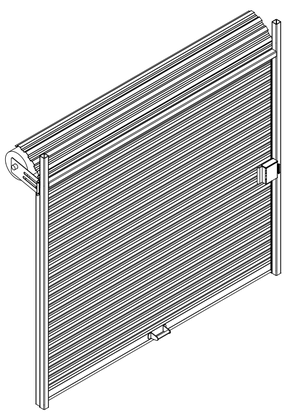
2 CARGO DOORS
3/8" = 1' - 0"



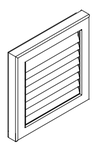
3 LEFT SIDE VIEW
3/8" = 1' - 0"



4 END VIEW
3/8" = 1' - 0"



4 96"X 80" ROLL-UP DOOR
3/8" = 1' - 0"



5 12"X 12" LOUVERED VENT
3/4" = 1' - 0"

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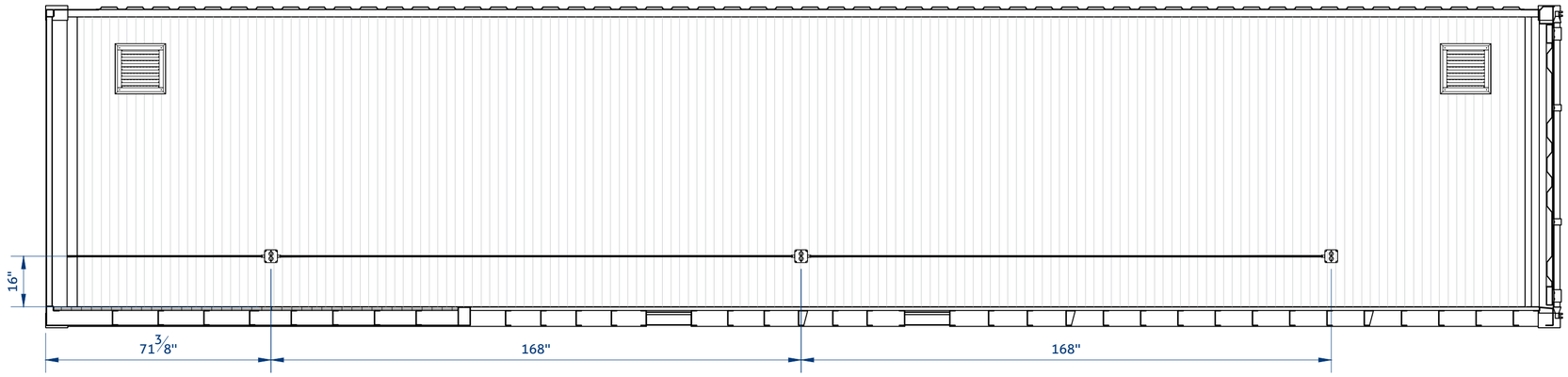
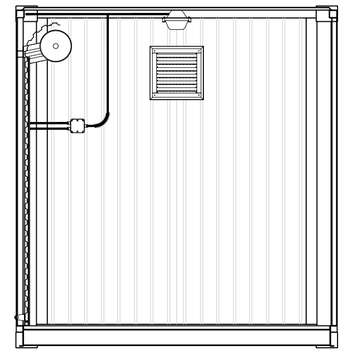
		Title: ELEVATIONS	
Drafted by: LF	Customer: City of West Sacramento	Sales resp.: Liudmila Terteac	Sales Order # SO-000000
Date: 02/06/2025	Drawing Scale: Indicated	Revision: AA	Construction Type: V

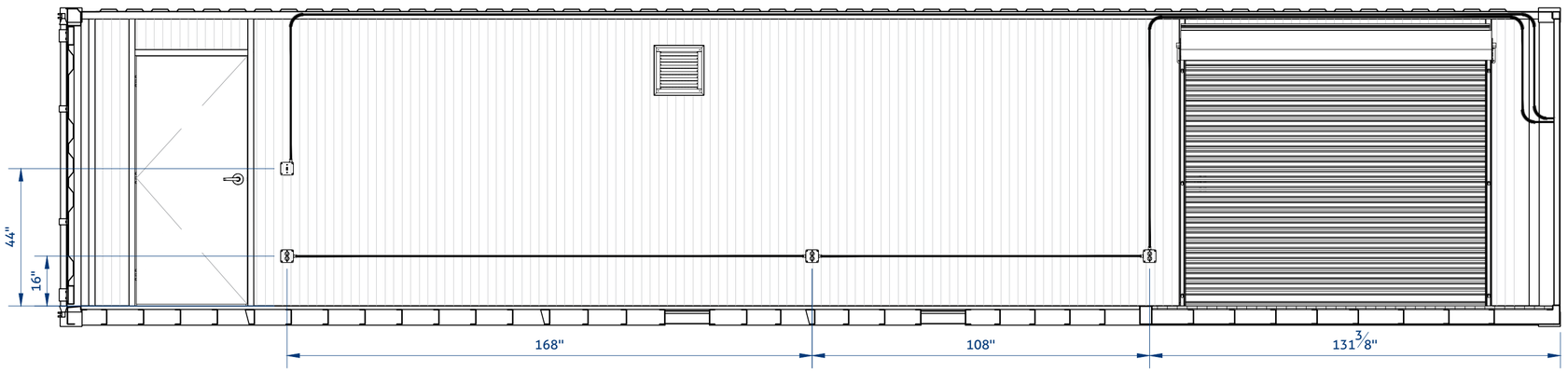
Page: SD-3



1 SECTION A-A
3/8" = 1' - 0"



3 SECTION C-C
3/8" = 1' - 0"



2 SECTION B-B
3/8" = 1' - 0"

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10/15/2025

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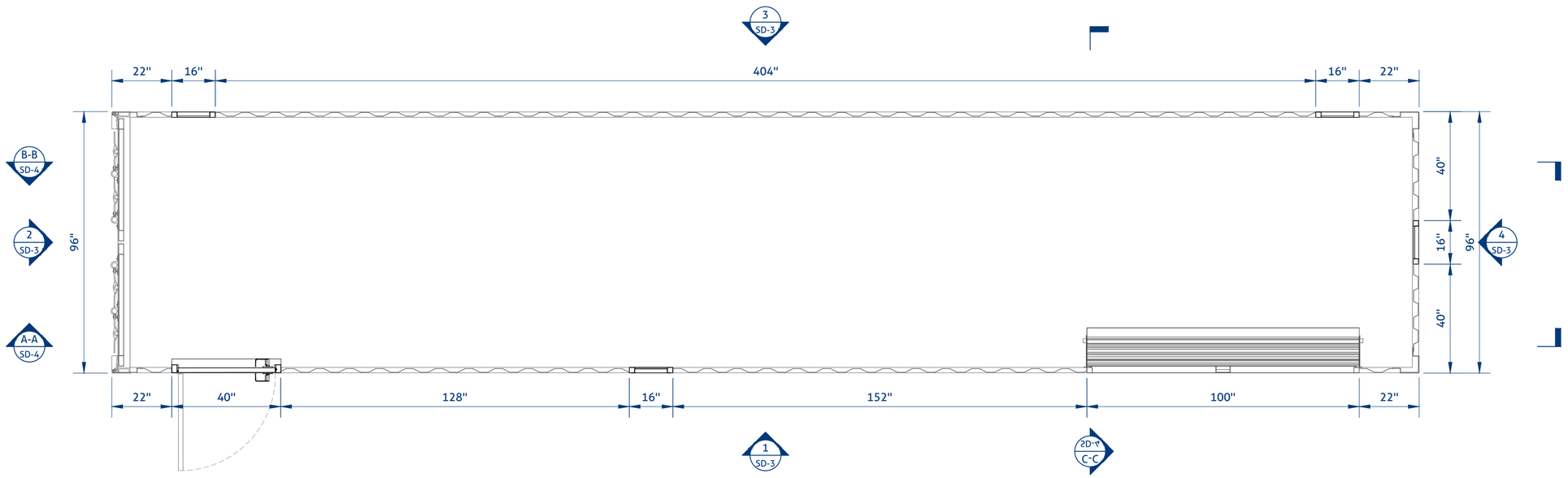
Drafted by: LF	Customer: City of West Sacramento	Sales resp.: Liudmila Terteac	Sales Order # SO-000000	Page: SD-4
Date: 02/06/2025	Drawing Scale: Indicated	Revision: AA	Construction Type: V	

CONTAINER #10

City of West Sacramento

SHOP DRAWINGS

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	AA	INITIAL RELEASE	2/6/2025	



1 PLAN VIEW
3/8" = 1' - 0"

N°	DESCRIPTION	DIMENSIONS	MATERIAL	WEIGHT	QTD.
2	HSS 2" X 3" X 16ga"	19 Ft	STEEL	81.51 lbs	1
1	HSS 2" X 2" X 1/8"	40 Ft	STEEL	48.8 lbs	1

BOM (STEEL)

TYPE	DIMENSIONS	MATERIAL	NOTE	QTD.
MAN DOOR LOCKBOX	5-1/2"X 6 -1/2"	STEEL	-	1
36"X 80" MAN DOOR	36"X 80"	STEEL	LEFT HAND OUTSWING	1
LOUVERED VENT	12" X 12"	STEEL	FRAME HSS 2"X 2" X 16ga	4
ROLL-UP DOOR	96" x 88"	ALUMINUM	ROLL-UP LOCKBOX	1

BOM EQUIPMENTS

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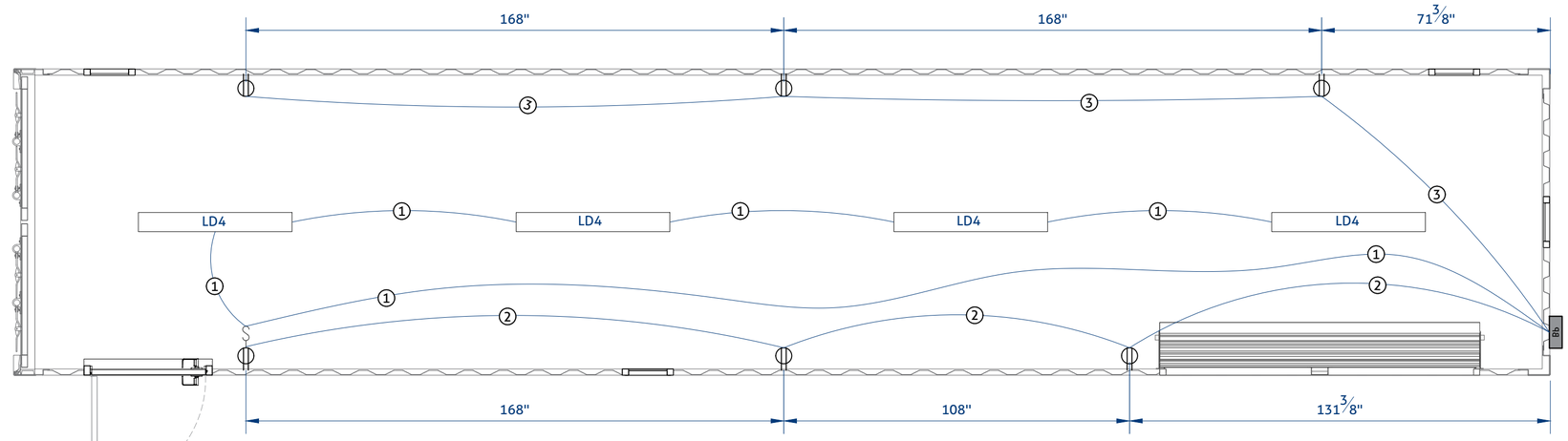
Project: CONTAINER 10

Title: FLOOR PLAN

Drafted by:	Customer:	Sales resp.:	Sales Order	Page:
LF	City of West Sacramento	Liudmila Terteac	# SO-000000	SD-1

Date:	Drawing Scale:	Revision:	Construction Type:
02/06/2025	3/8"= 1'-0"	AA	V



1 ELECTRICAL PLAN
3/8" = 1' - 0"

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Ali Elawadi
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ELECTRICAL SYMBOLS

- Duplex receptacle outlet
- Electrical panel (DB)
- Led Lights 4ft (LD-4')
- Single-pole Switch

Electric Circuit: Line, 1 (Circuit ID), Line

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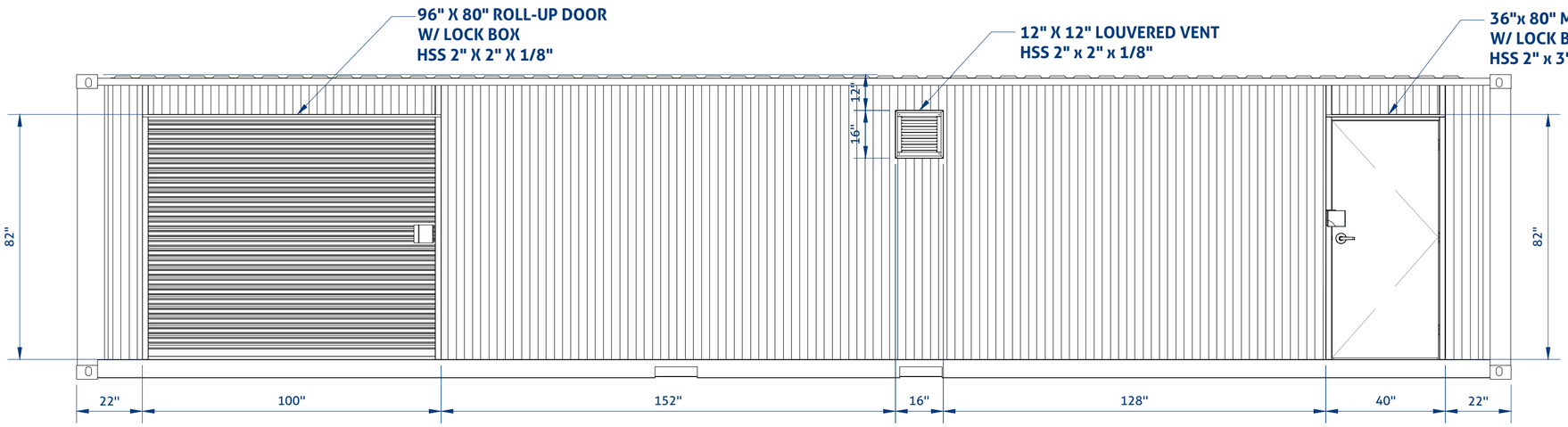
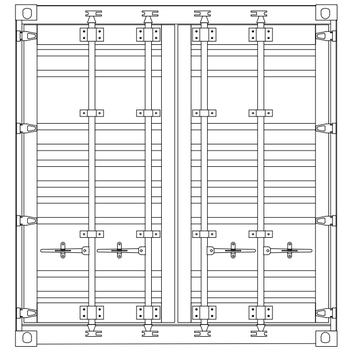
Project:	CONTAINER 10
Title:	ELECTRICAL PLAN

Drafted by:	Customer:	Sales resp.:	Sales Order	Page:
LF	City of West Sacramento	Liudmila Terteac	# SO-000000	SD-2

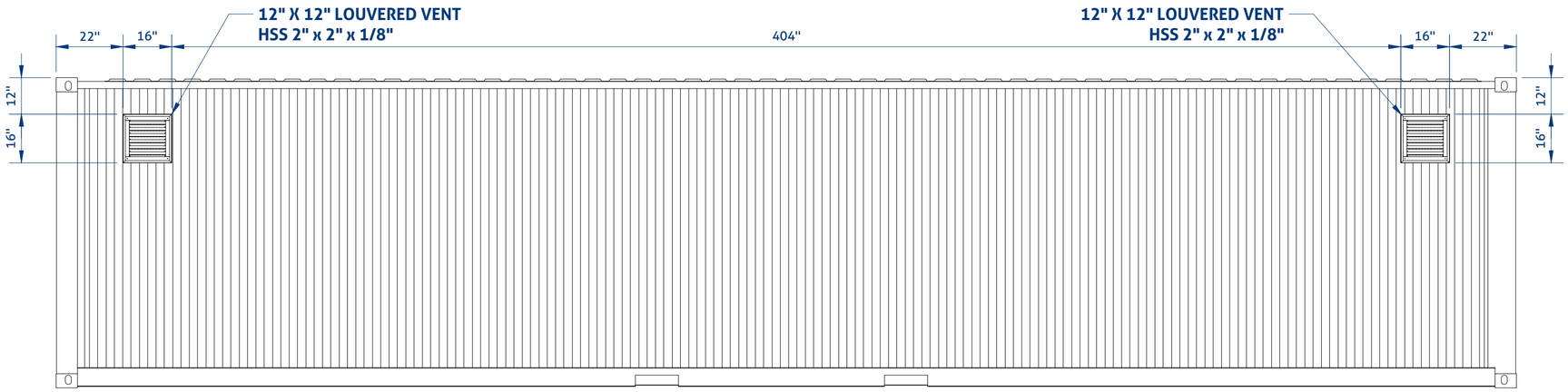
Date:	Drawing Scale:	Revision:	Construction Type:
02/06/2025	3/8"= 1'-0"	AA	V



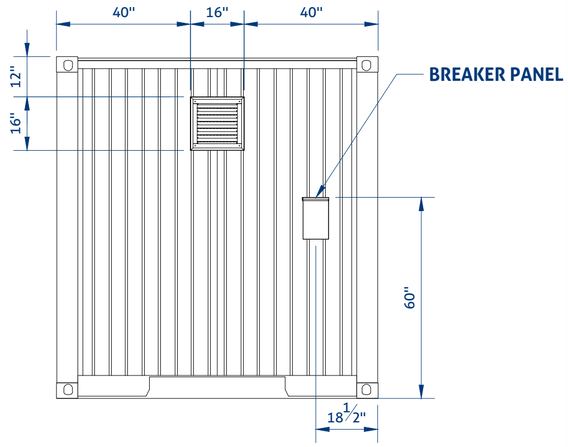
1 RIGHT SIDE VIEW
3/8" = 1' - 0"



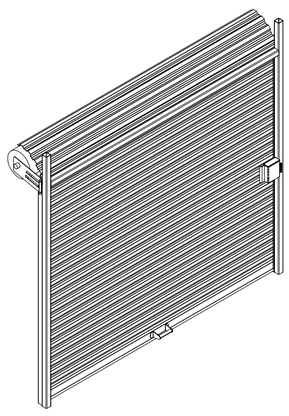
2 CARGO DOORS
3/8" = 1' - 0"



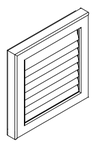
3 LEFT SIDE VIEW
3/8" = 1' - 0"



4 END VIEW
3/8" = 1' - 0"



4 96"X 80" ROLL-UP DOOR
3/8" = 1' - 0"



5 12"X 12" LOUVERED VENT
3/4" = 1' - 0"

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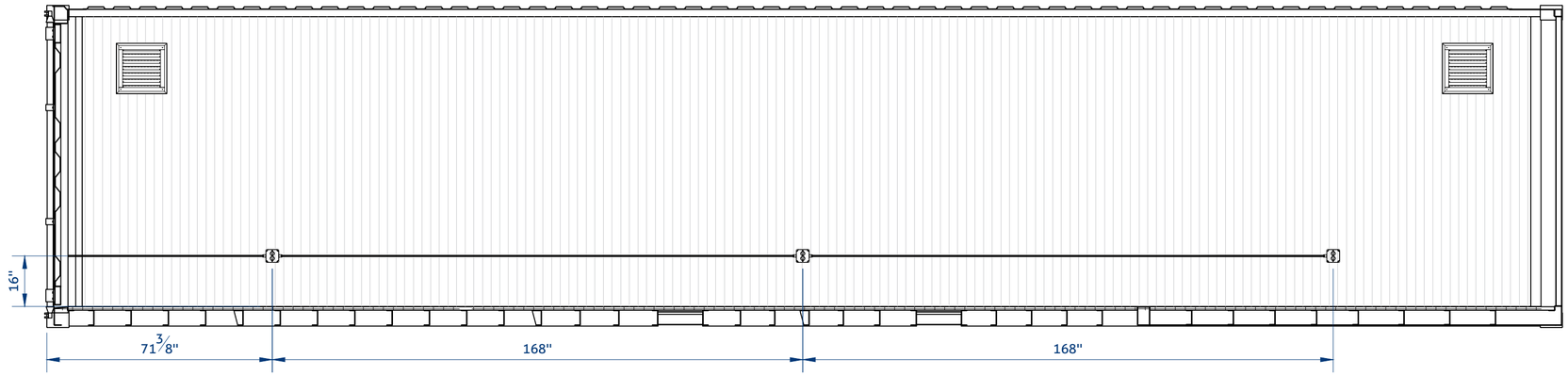
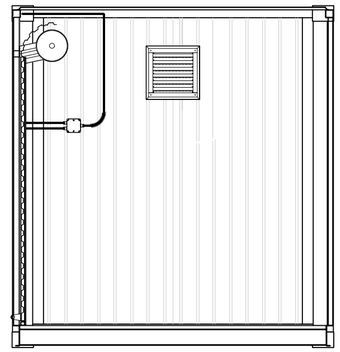
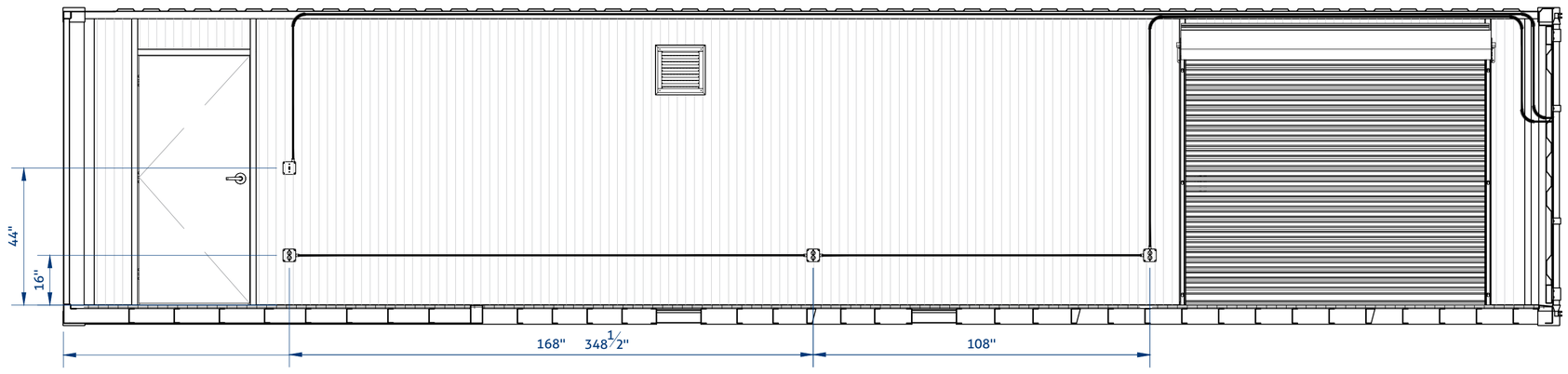
Drafted by: LF	Customer: City of West Sacramento	Sales resp.: Liudmila Terteac	Sales Order # SO-000000	Page: SD-3
Date: 02/06/2025	Drawing Scale: Indicated	Revision: AA	Construction Type: V	



1 SECTION A-A
3/8" = 1' - 0"



3 SECTION C-C
3/8" = 1' - 0"



2 SECTION B-B
3/8" = 1' - 0"

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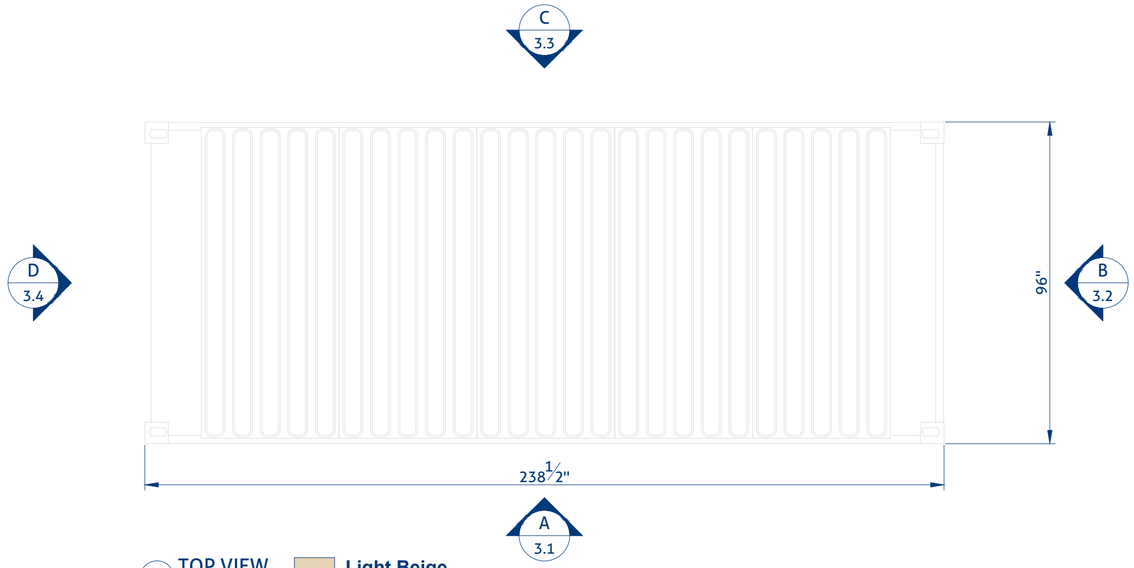
Date: 02/06/2025	Drawing Scale: Indicated	Revision: AA	Construction Type: V	

20ft Used Cargo Worthy Standard Certified ISO Container

City of West Sacramento

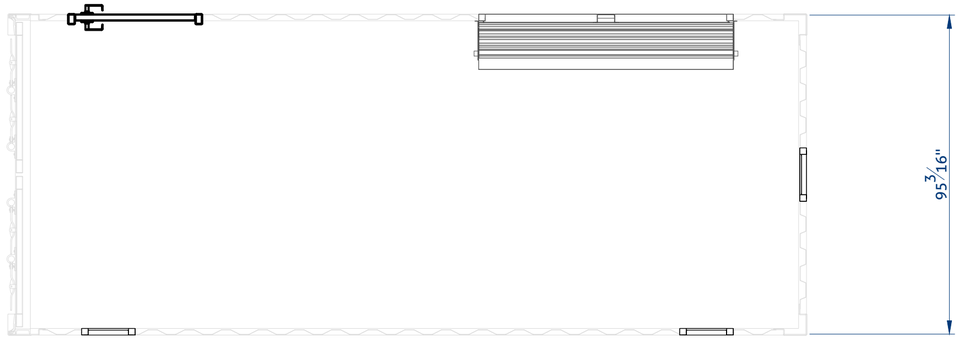
1110 West Capitol Ave, First F -

SO-018401 - Unit 14



1 TOP VIEW
3/8":1'

Light Beige
RAL 1015



2 FLOOR VIEW
3/8":1'

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	INITIAL RELEASE	10/08/2025	

GENERAL SYMBOLS

1	Key Note	0' 0" First Level	Elevation Above Finish Floor
1	Item Indicator	0' 0" First Level	Elevation Above Finish Floor
1	Revision Note	B 1.1	Section Indicator
A 1.1	Detail Callout	1 S1	Elevation Indicator
1	Equipment Tag	NORTH	North Arrow
1	Wall Finish	1 Front View Scale: 1:1	View Title
			Break Line

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Unless otherwise specified dimensions are inches

Tolerances are:

FRACTIONS	DECIMALS	ANGLES
±1/16"	.xx ±0.015" .xxx ±0.005"	±1/2°

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Title: SHOP DRAWINGS

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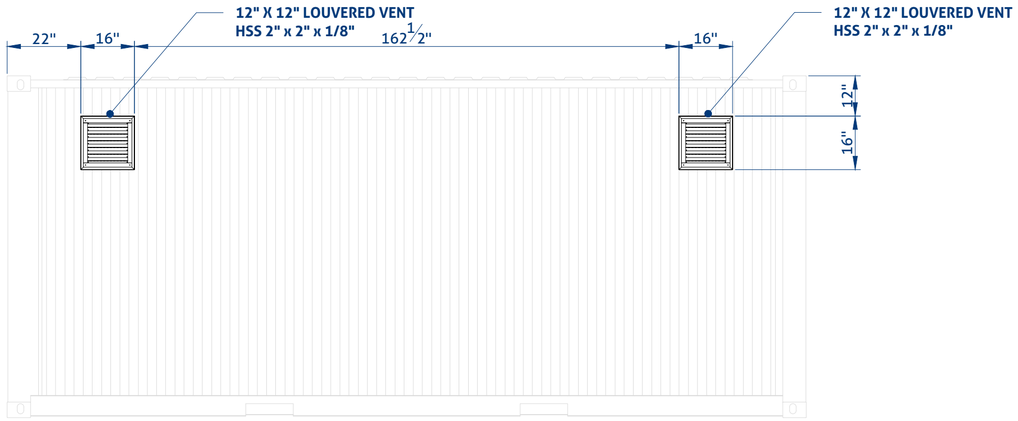
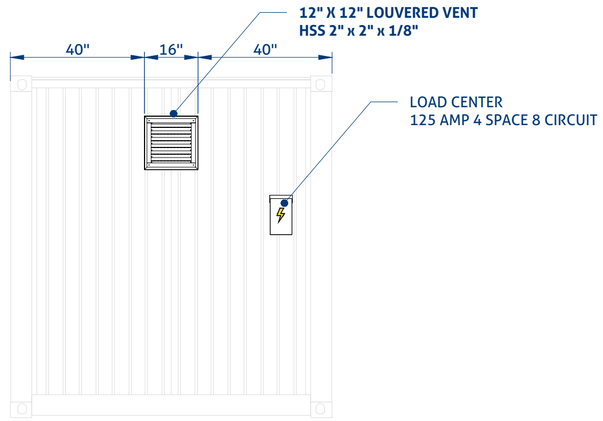
LF	CITY WEST SACR,	L.T	SO-018401	SD-1/4

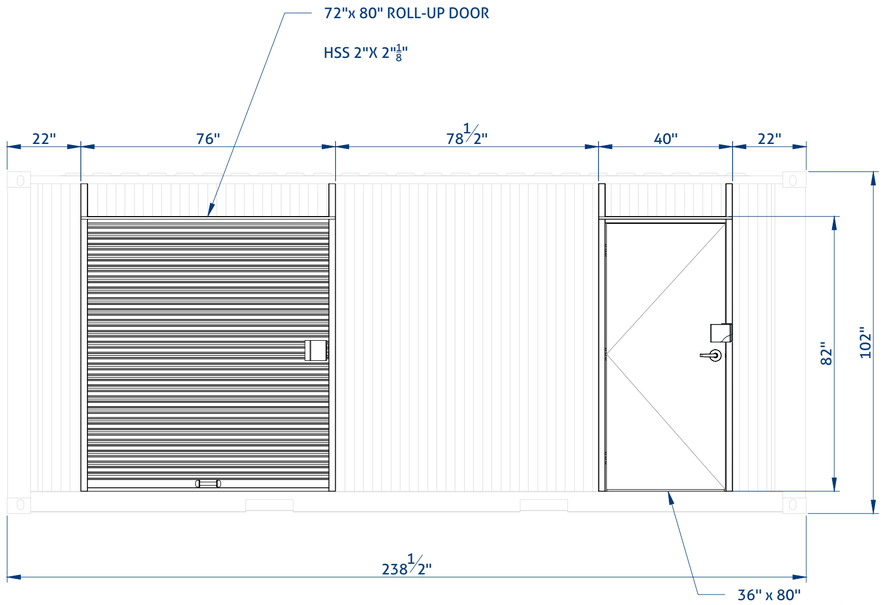
Date: 10/08/2025 | Drawing Scale: 3/8":1' | Revision: 1 | Construction type: V



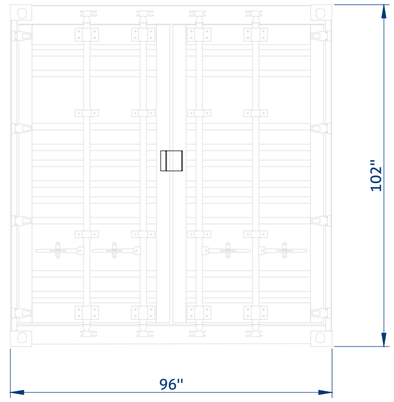
1 [A] RIGHT VIEW
3/8":1'



2 [B] REAR VIEW
3/8":1'



3 [C] LEFT VIEW
3/8":1'



4 [D] FRONT VIEW
3/8":1'

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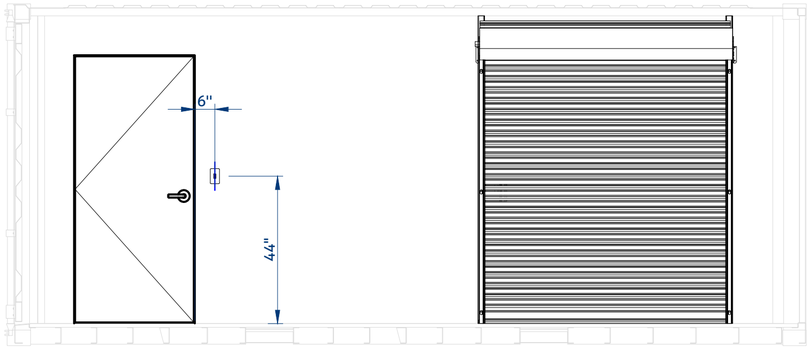
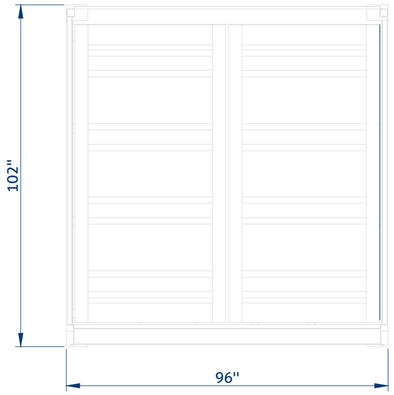
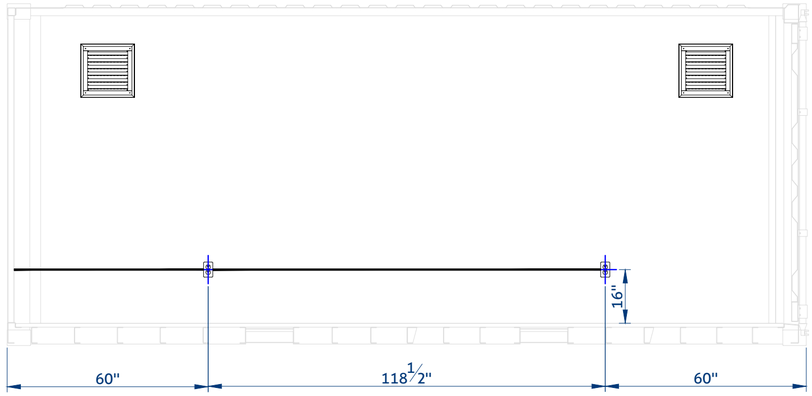
Drafted by: LF	Customer: CITY WEST SACR,		Sales rep.: L.T		Drawing Number: SO-018401		Page: SD-2/4		
Date: 10/08/2025	Drawing Scale: 3/8":1'		Revision: 1		Construction type: V				



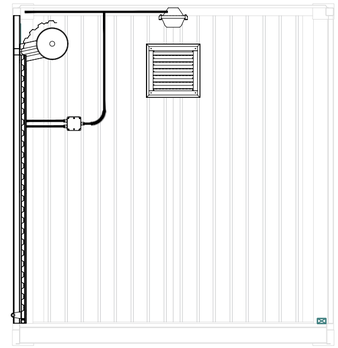
1 [E] INTERIOR VIEW OF LEFT WALL
3/8":1'



2 [F] INTERIOR VIEW OF FRONT WALL
3/8":1'



3 [G] INTERIOR VIEW OF RIGHT WALL
3/8":1'



4 [H] INTERIOR VIEW OF REAR WALL
3/8":1'

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FRACTIONS	DECIMALS	ANGLES
±1/16"	.xx ±0.015" .xxx ±0.005"	±1/2°

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Title: SHOP DRAWINGS

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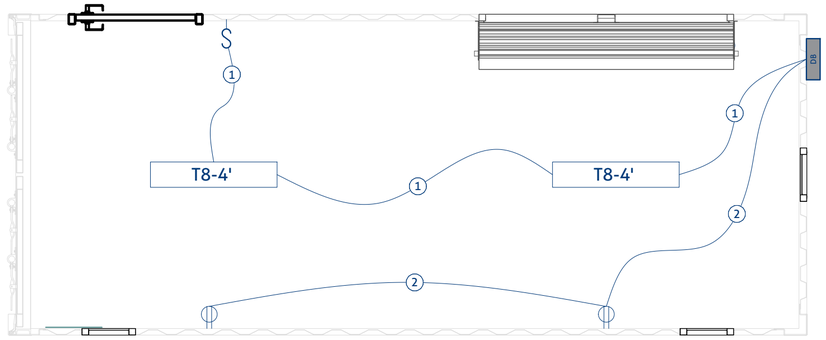
LF	CITY WEST SACR,	L.T	SO-018401	SD-3/4

Date:	Drawing Scale:	Revision:	Construction type:
10/08/2025	3/8":1'	1	V



2 FLOOR VIEW
3/8":1'

ELECTRICAL SYMBOLS

Duplex receptacle outlet

Single-pole switch

Bulb size
T8-4' Tube lighting outlet

Identification
DB Electrical panel

Wall Mounted

Stacked symbols indicate that devices are aligned on the same axis

line — 1 — Circuit id

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FRACTIONS	DECIMALS	ANGLES	Drafted by: LF	Customer: CITY WEST SACR,	Sales rep.: L.T	Drawing Number: SO-018401	Page: SD-4/4
±1/16"	.xx ±0.015" .xxx ±0.005"	±1/2°	Date: 10/08/2025	Drawing Scale: 3/8":1'	Revision: 1	Construction type: V	