Reviewed 3/08/2023 DL
Subject to field inspectors approvals.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building | Planning
Engineering | Public Works
Fire | Traffic

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING DOCUMENTS MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

Structural Calculations

PREPARED FOR:

Ms. Corrine and Mr. Mitchell Hastings
H&H Swim School Puyallup
3170 SE Spring Creek Rd
Port Orchard, WA 98367

PROJECT:

Goldfish Swim School
2220785.20

PREPARED BY:

Aleksandr Koshman
Project Engineer

REVIEWED BY:

Andy Pflueger, PE, SE
Senior Project Manager

Drew McEachern, PE, SE
Principal

DATE:

November 2022

PRCTI20221793

Structural Calculations

For

Goldfish Swim School

South Hill Mall – Unit 900-30 3500 South Meridian Puyallup, WA 98373

Project # 2220785.20

Project Principal	Drew McEachern
Project Manager	Andy Pflueger
Project Engineer	Aleksandr Koshman

Design Criteria

Design Codes and Standards

Codes and Standards: Structural design and construction shall be in accordance with the applicable sections of the following codes and standards as adopted and amended by the local building authority: International Building Code, 2018 Edition.

Structural Design Criteria:

Live Load Criteria:

Roof Snow	25 psf

Wind Load Criteria:

Ultimate Wind Speed	97 MPH
Risk Category	II
Wind Exposure	B
Topographic Factor	1.0

Seismic Criteria:

Risk Category			II
Seismic Importance Factor			1.0
S_s	= 1.264	S_1	= .436
S_{ds}	= 1.011	S_{d1}	= N/A
Site Class			= D - DEFAULT
Seismic Design Category			= D
Response Modification Coeff. (R):			5
Seismic Response Coeff. (C_s):			.2022

Soil Criteria:

Based on Geotechnical Engineering Report from original drawings, dated 2/5/1993.

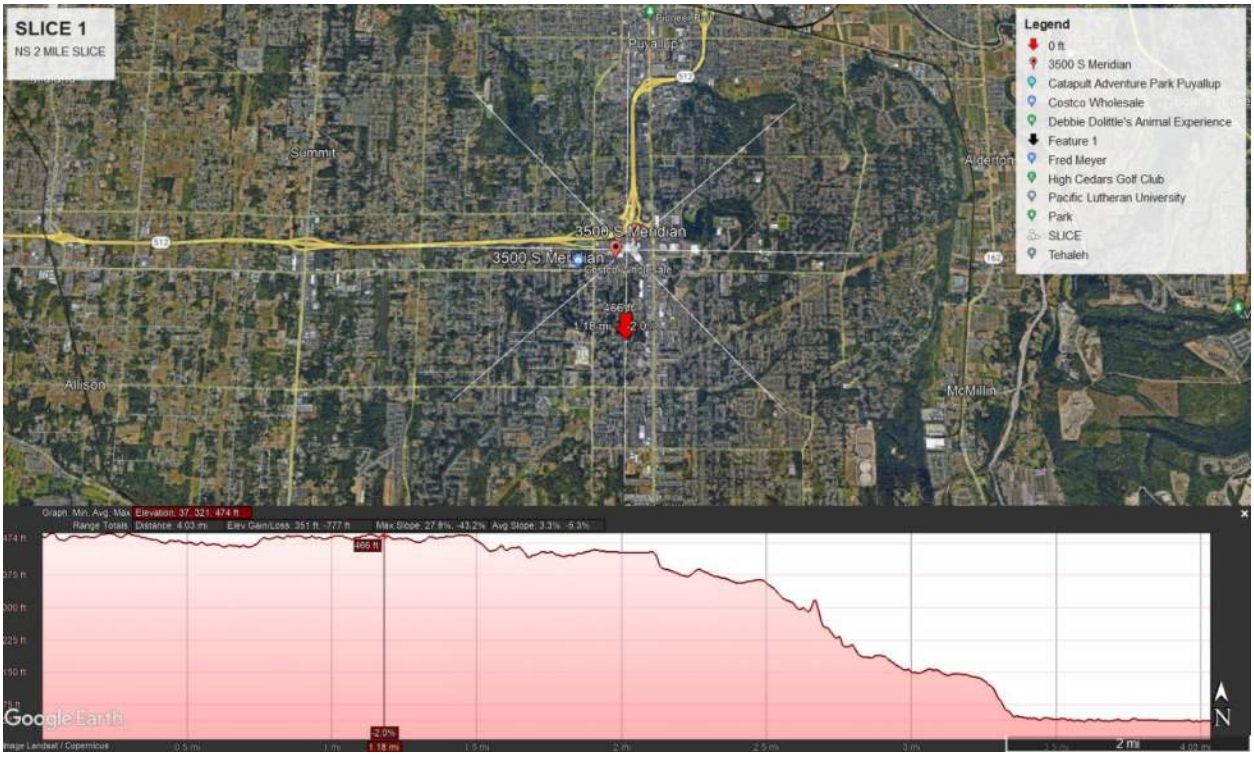
Allowable Soil Bearing Capacity: 3000 psf

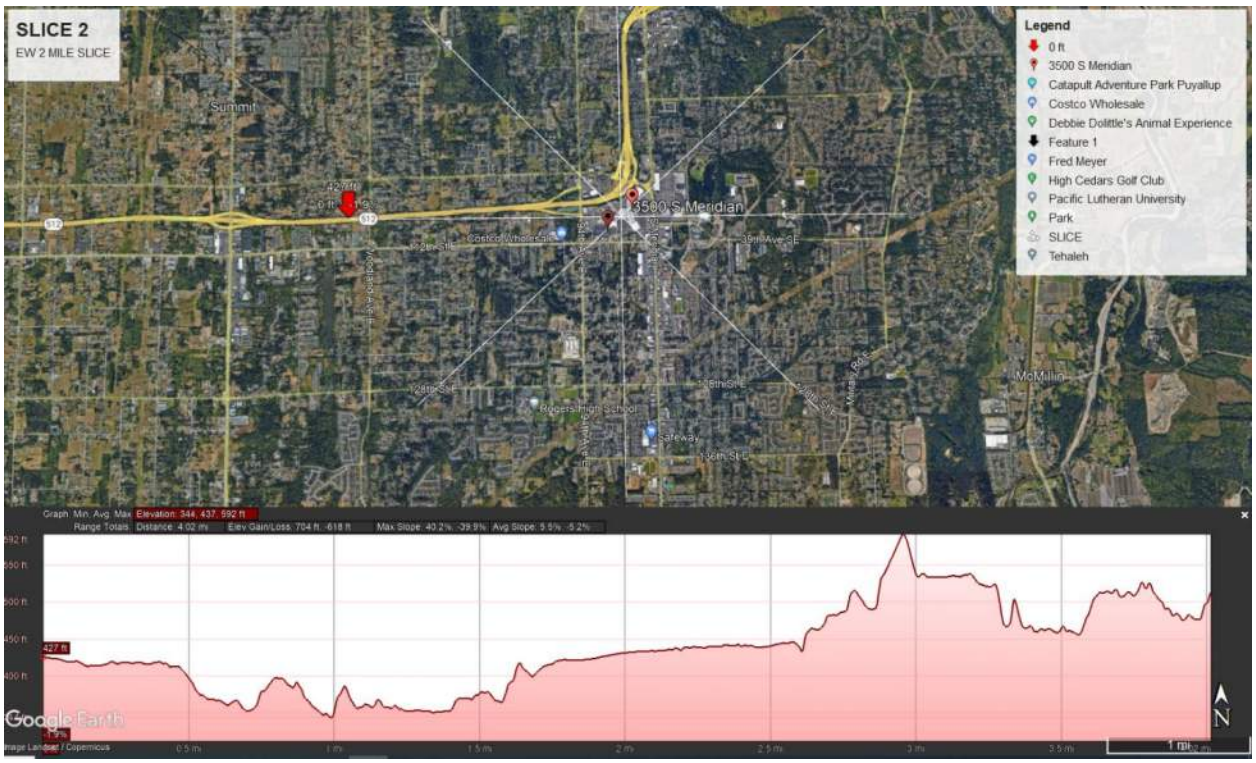
Project Description

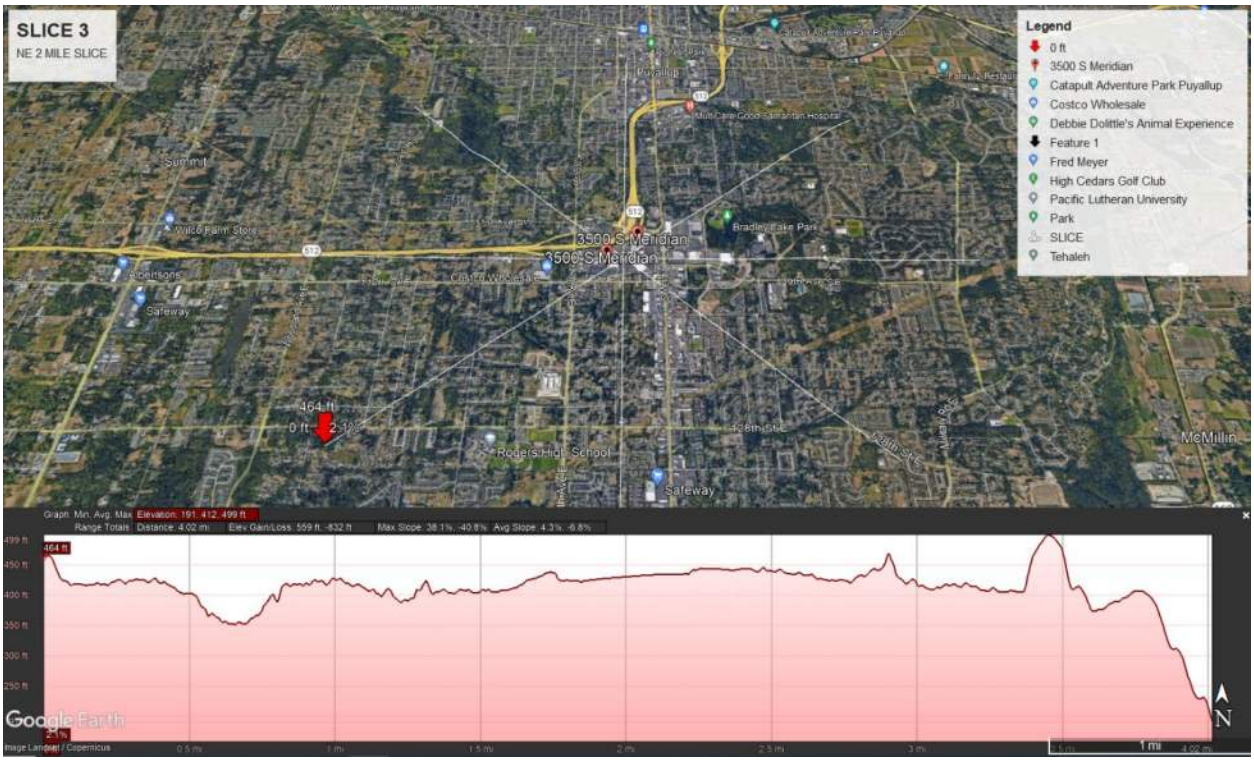
The project consists of a newly constructed swimming pool to be built in the old Sears at the South Hill Mall in Puyallup. Existing footings located in the swimming pool location will be demolished and replaced by new footings away from the pool. To accommodate a longer span, new wide flange beams will replace to be demolished steel joist girders. A steel stud wall will be erected at the store front and will consist of 600S162-43 steel studs. Built-up steel studs will be used in between store front windows as columns. Roughly 4054.74 square feet of existing slab will be demolished to build the new swimming pool. About 1991.69 square feet of new slab will be poured in the areas adjacent to the pool and this new slab will be 6 inches thick.

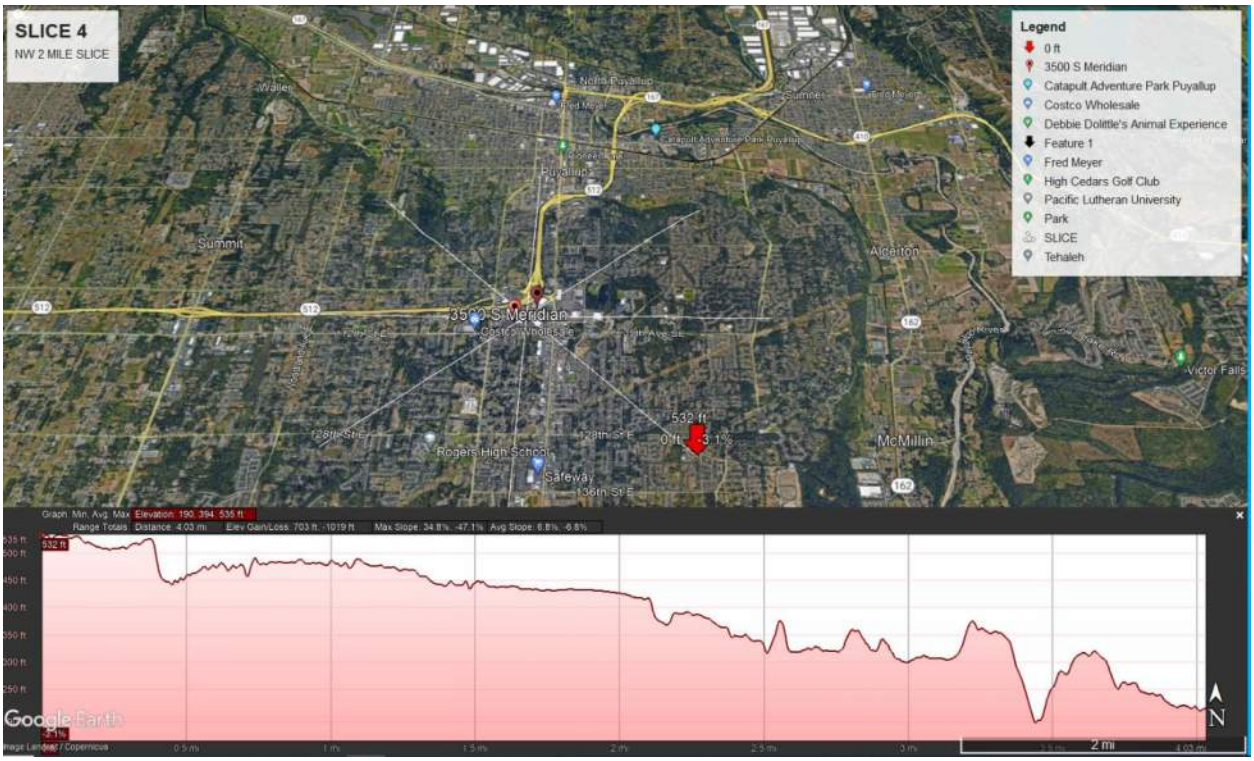
K_{zt} Determination

By analysis, the calculated K_{zt} was 1.00.









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SLICE	HILL HEIGHT (FT)	HALF HILL LENGTH (FT)	TOP OF CREST TO BUILDING LENGTH (FT)	K_{ZT}
1	387	3854.4	0	1.00
2	240	7128	5069	1.00
3	N/A	N/A	N/A	BY INSPECTION, 1.00
4	161	2481.6	6441.6	1.00

Project Goldfish Swim School | Project No. 2220785 | ☐ Page ____ of ____
Subject ____ | Phone ____ | ☐ Calculations
With/To ____ | Fax # ____ | ☐ Fax
Address ____ | # Faxed Pages ____ | ☐ Memorandum
Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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Design Criteria: Address: 3500 S Meridian, Puyallup, WA 98373

Live Load: 20 psf roof live load (IBC ch. 16)

Dead load:

4 ply B.U. roofing	5.5	(ASCE 7-16 C2)
sprinklers	1.08	
ceiling	2.8	
Mechanical	4	(ASCE 7-16 C2)
light	0.5	
metal deck	3 psf	(ASCE 7-16 C2)
Steel Joists	6.4 lb/ft / 5.25' = 1.219 psf	(catalogue)
misc	1.5	
rigid insulation	.75	(ASCE 7-16)
	20.349 psf	

trib. width → 18x3

Snow load: 25 psf snow load

Flat roof snowload = $P_F = 0.7 C_e C_t I_s P_g$ = 14 psf (1.0, 1.0, 1.0, 20)

Wind:

97 mph
Exp B
$K_{zt} = 1.0$

Seismic:

$S_s = 1.264$ PGA = 0.5
$S_1 = .436$ $T_L = 6$ s
$S_{MS} = 1.516$ $F_v = N/A$
$S_{DS} = 1.011$ $C_s = \frac{S_{DS}}{R/I_e} = \frac{1.011}{(5/1)} = .2022$
$F_a = 1.2$
$S_{M1} = N/A$
$S_{D1} = N/A$

If this does not meet with your understanding, please contact us in writing within seven days. THANK YOU.

-2.5"

Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____
Subject ____ | Phone ____ | ☐ Calculations
With/To ____ | Fax # ____ | ☐ Fax
Address ____ | # Faxed Pages ____ | ☐ Memorandum
Date ____ | By ____ | ☐ Meeting Minutes
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Gravity Design: Beam Loading

★ See RISA OUTPUT

$T_w = 12'$

DL = (20.349 psf • 26') = 529.074 lb/ft
L_RL = (20 psf • 26') = 520 lb/ft
SL = (25 psf • 26') = 650 lb/ft

Use W14x22 for 15.6' span & W24x55 for 36.5' span

Gravity Design: Foundations

Interior Footing: 5'x5'x1' w/ (6) #5 EA WAY

DL = 15.1 K
L_rL = 13.5 K
SL = 16.9 K
} RISA reactions

Exterior Footing: 4'x4'x1', #5 at 9" OC each way

DL = 11 K
L_rL = 9.5 K
SL = 11.9 K

Stud Wall Design

IBC 1607.15

DL = 10 psf
H = 19.625'

$WL = \frac{LL}{0.6} = \frac{5\ psf}{0.6} = 8.33\ psf$

- Try (2) 6" BU steel studs at openings @ 16" OC & (1) 6" BU steel studs above openings and between openings at 16" OC

- All studs pass except for 1 special case that needs to be (3) BU steel studs, see Drawing!!

- In RISA the special case doesn't meet serviceability requirements so we'll bump it up from (2) BU to (3) BU !!

Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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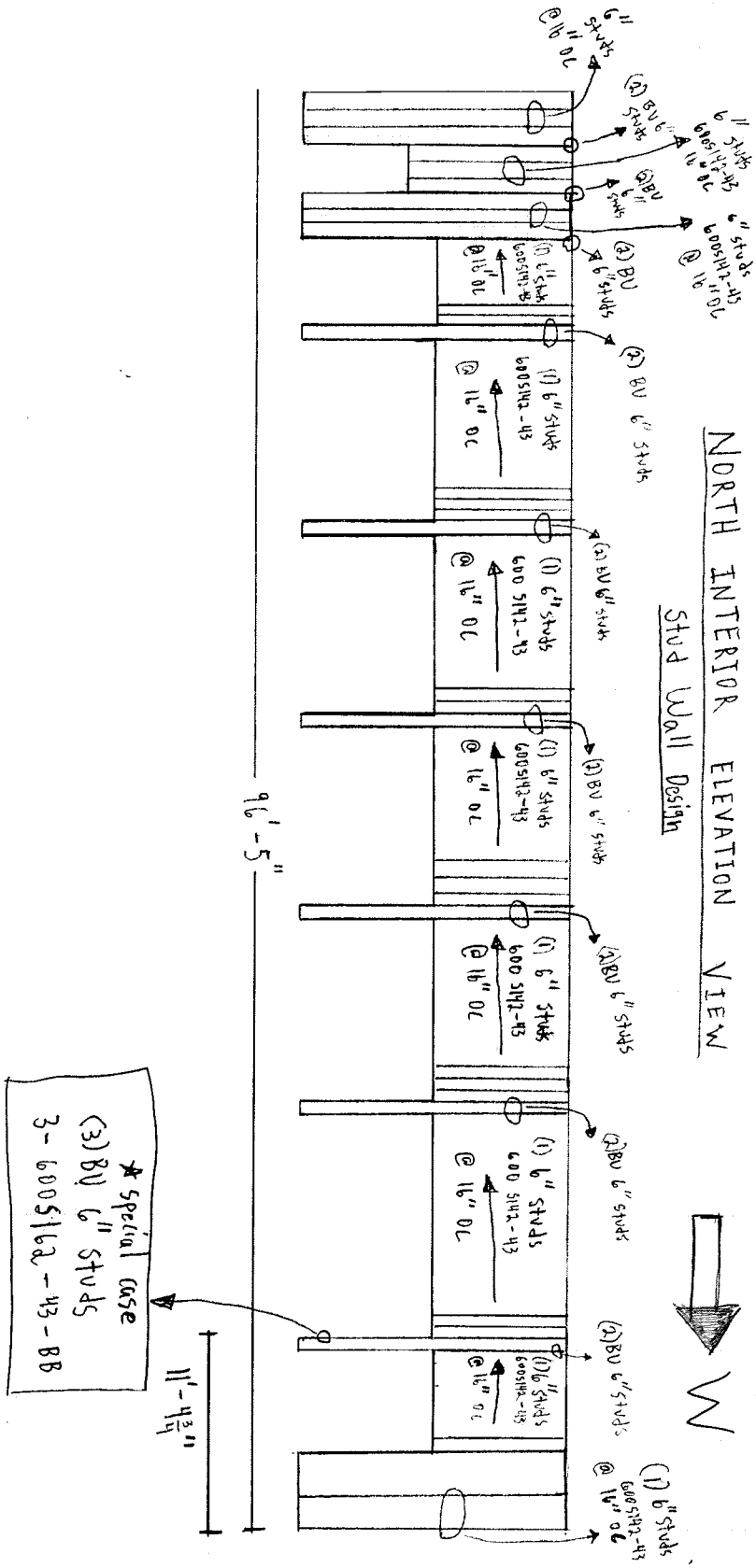

1' = 20"

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____
Subject ____ | Phone ____ | ☐ Calculations
With/To ____ | Fax # ____ | ☐ Fax
Address ____ | # Faxed Pages ____ | ☐ Memorandum
Date ____ | By ____ | ☐ Meeting Minutes
☐ Telephone Memo

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RISA Inputs for HSS strongback model

$T_w = 2'$

$W = \frac{5\ psf}{0.6} = 8.33\ psf$

$F_p = 0.4 S_{DS} I_e W_p$ - ASCE 7-16 CH.12 12.11

$F_p = 0.4(1.011)(1.0)(7.25'' \cdot 150\ pcf \cdot \frac{1\ ft}{12''}) = 36.65\ psf$ → Wall Design Force

HSS Height = 17'-8"
OPNG Height = 7'-10"
Roof Height = 20'-2"

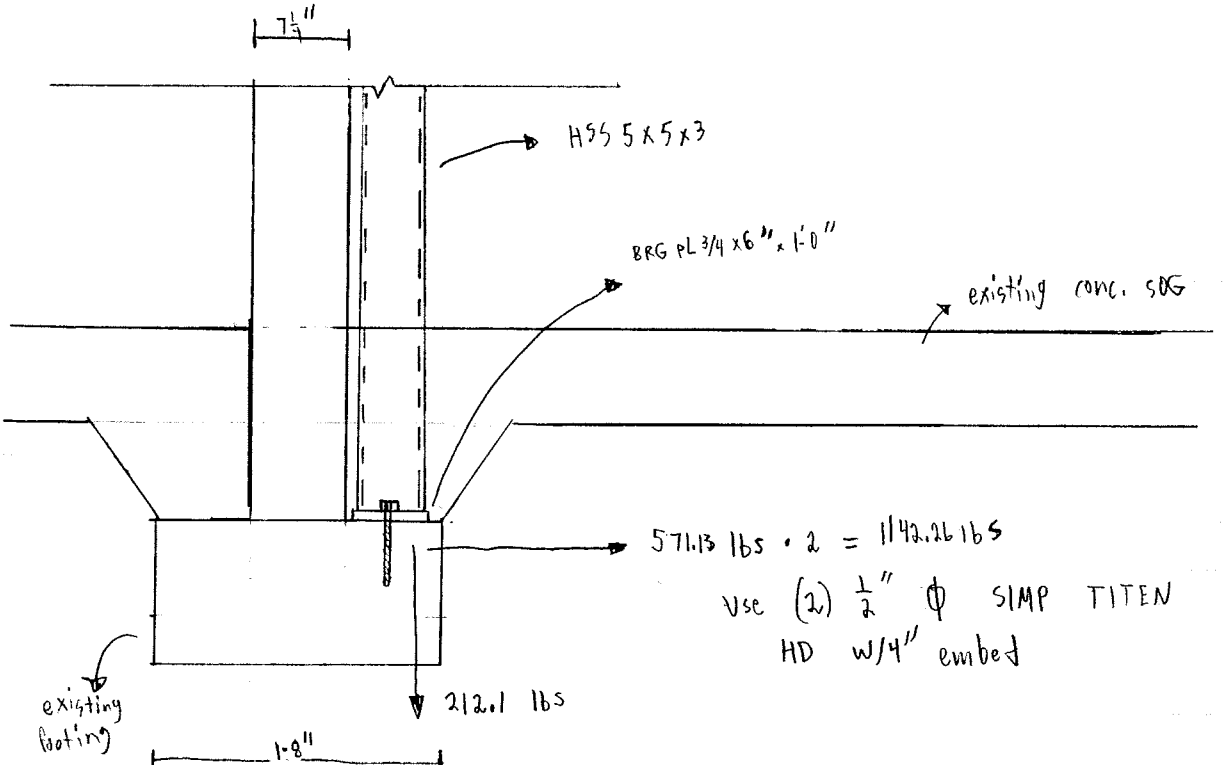
Wall Anchorage Force: $F_p = 0.4 S_{DS} K_a I_e W_p \geq 0.2 K_a I_e W_p$

$K_a = 1.0 + \frac{L_f}{100} = 1.0 + \frac{115}{100} = 2.15 \leq 2.0$

$K_a = 2.0$

$F_p = 73.3\ psf$

HSS to Foundation Connection



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Project Goldfish swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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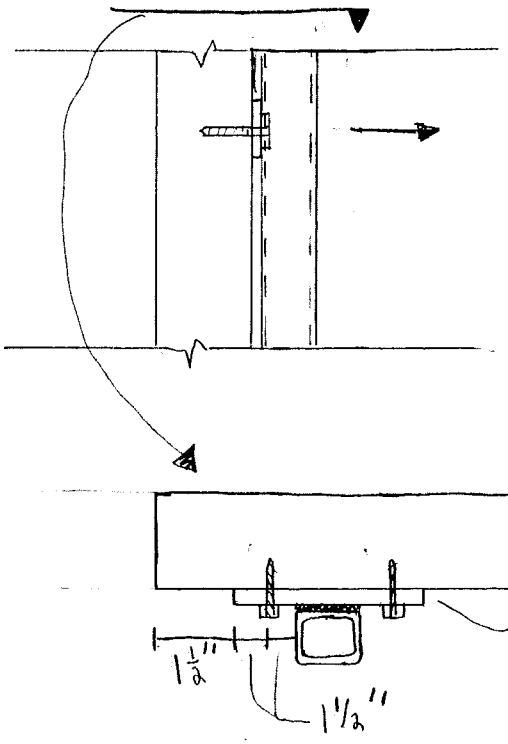
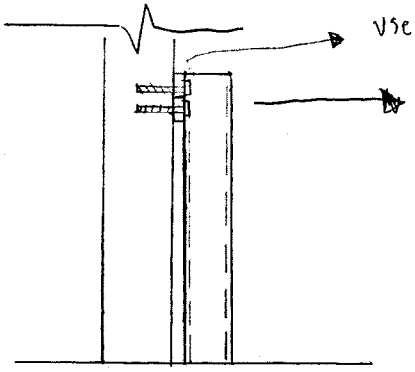
HSS to Wall Connection



(130 lb/ft · 2 @ 4 ft) = 1040 lbs

- Use (2) $\frac{1}{2}$" ϕ SIMPSON TITEN HD HD w/4" embed

HSS to wall Connection at top of HSS



Use (2) PL 1" x 3" x 1'-0"

(756.7 lbs · 2) = 1513.4 lbs

1 Plate is sufficient!!!

Project	Goldfish Swimschool	Project No.	2220785
Subject		Phone	
With/To		Fax #	
Address		# Faxed Pages	
Date		By	

☐ Page ____ of ____
☐ Calculations
☐ Fax
☐ Memorandum
☐ Meeting Minutes
☐ Telephone Memo

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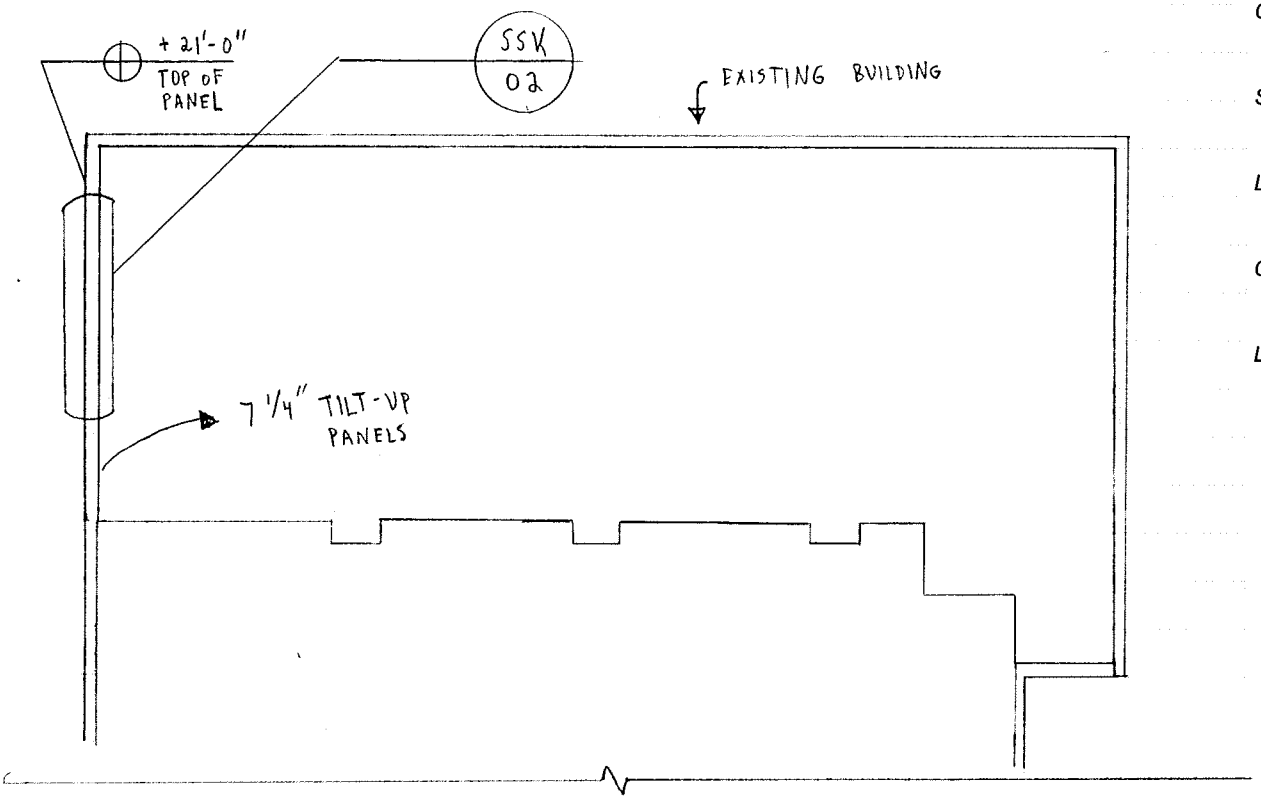
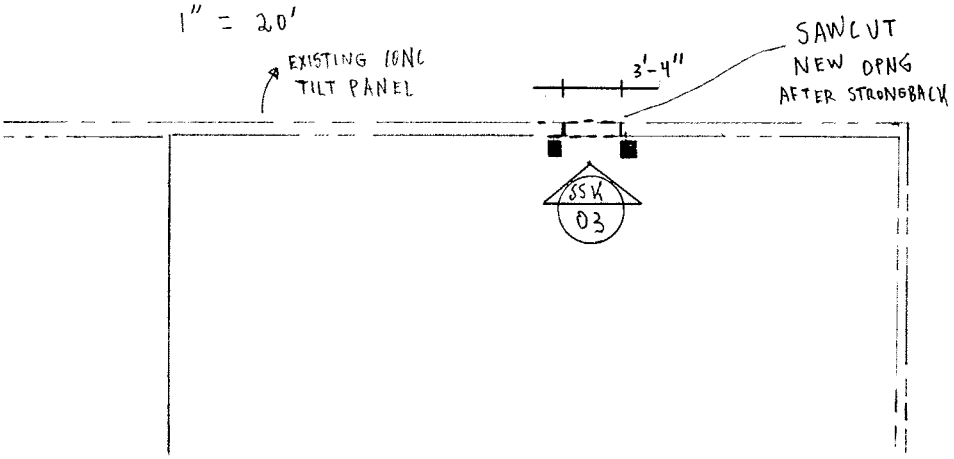


Site Plan
1" = 20'

SSK 01



PLAN VIEW
1" =

SSK 02

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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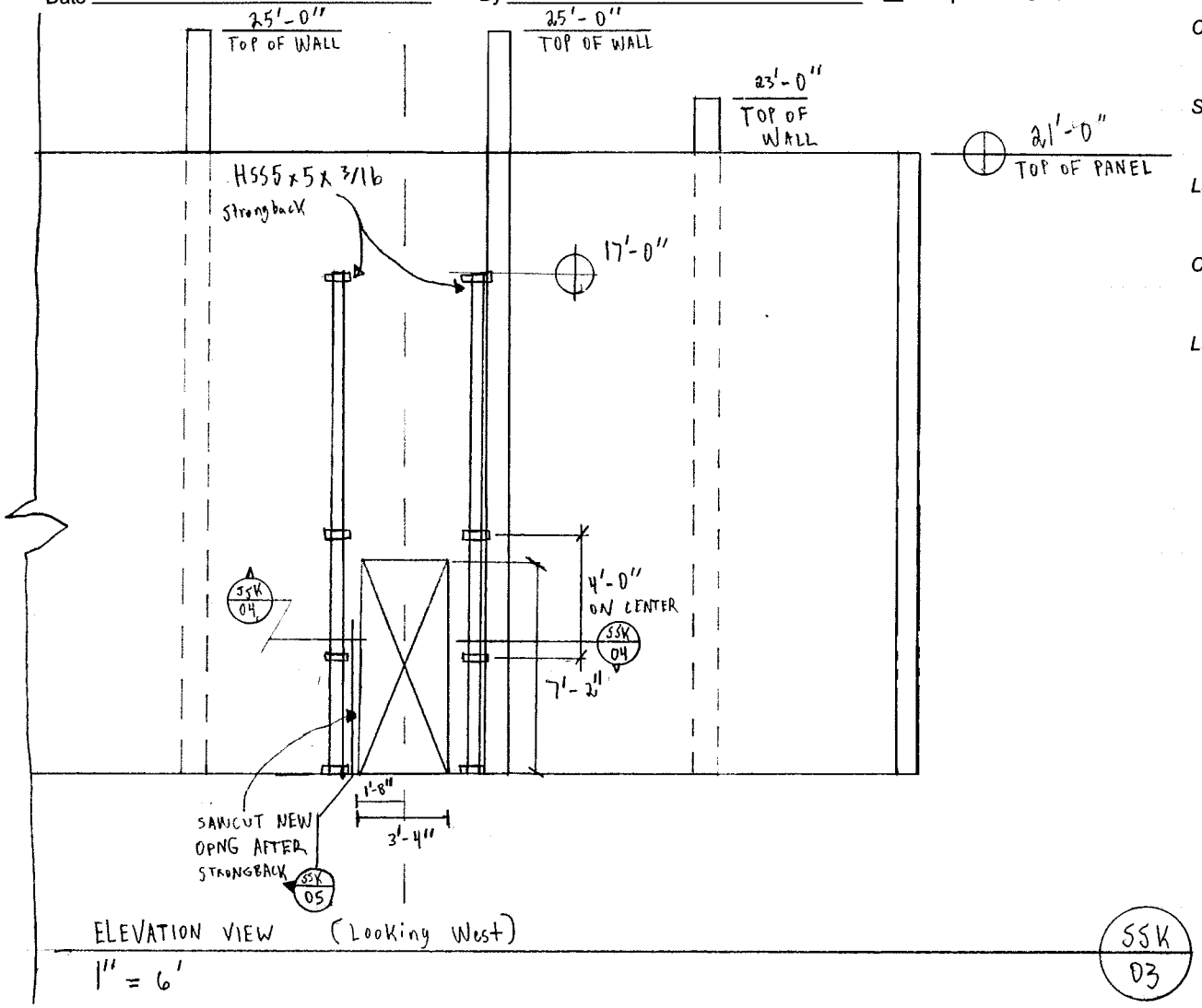

ELEVATION VIEW (Looking West)

1" = 6'

S5K D3

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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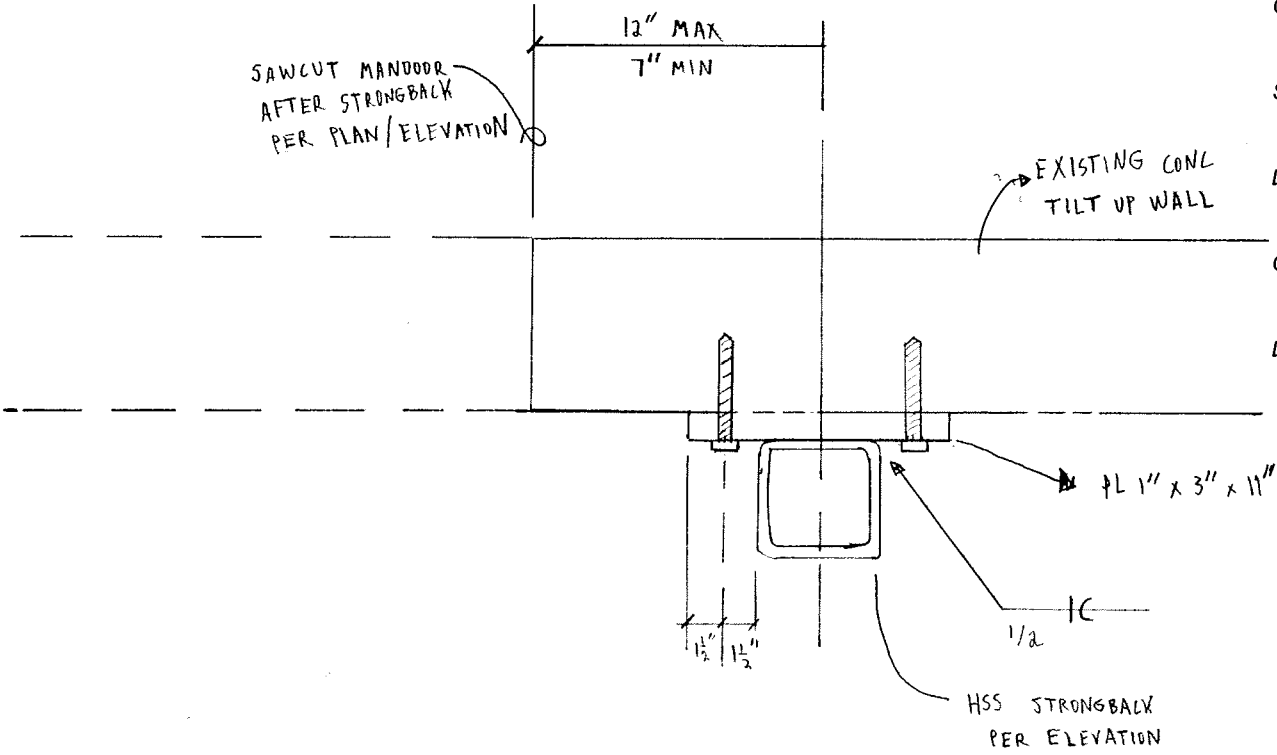

NOTE: SPACE ANCHORAGES AT 4'-0" OC

SECTION – PLAN VIEW
1½" = 1'-0"

S5K
04

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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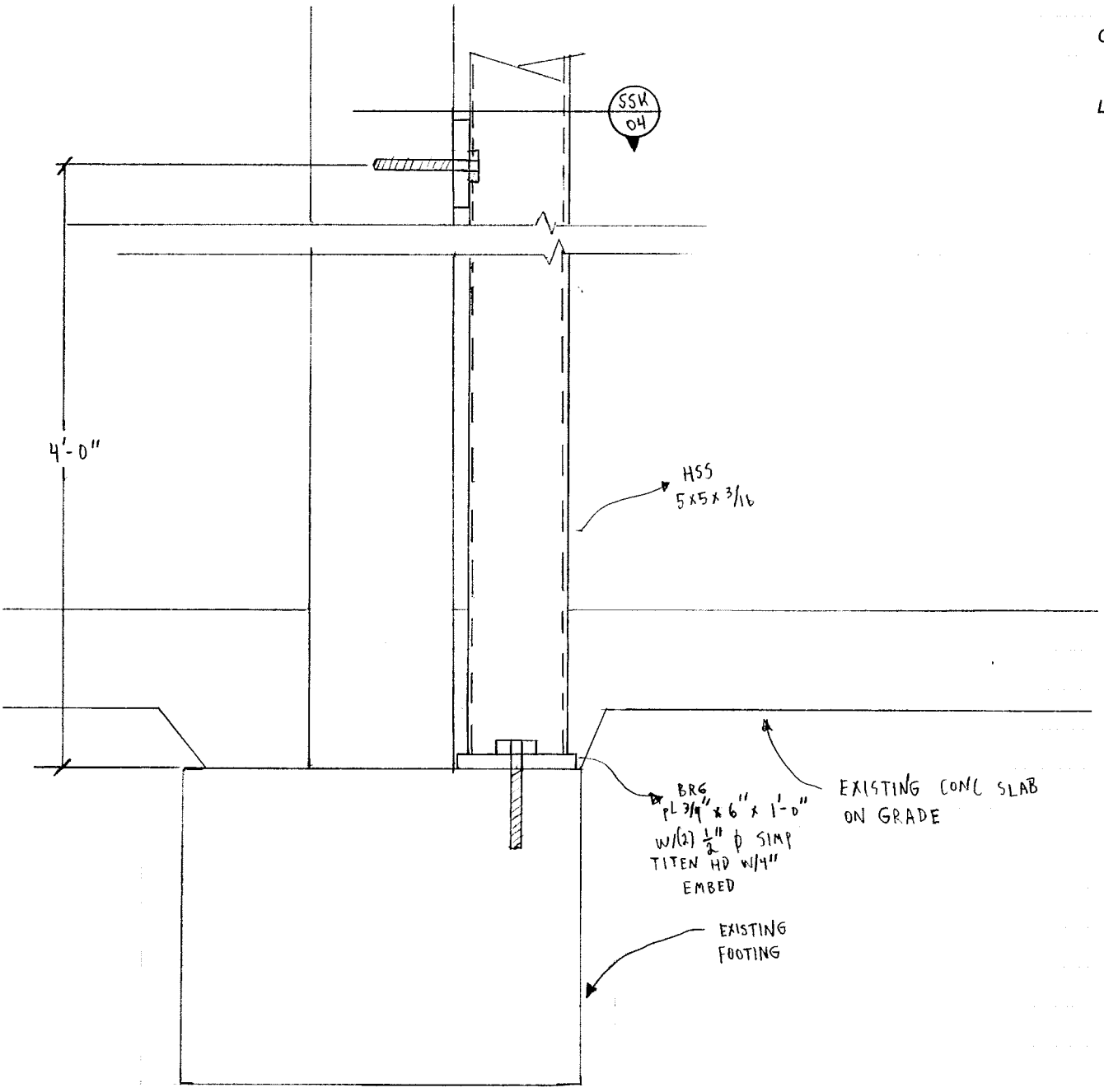

SECTION

1½" = 1'-0"

SSK 05

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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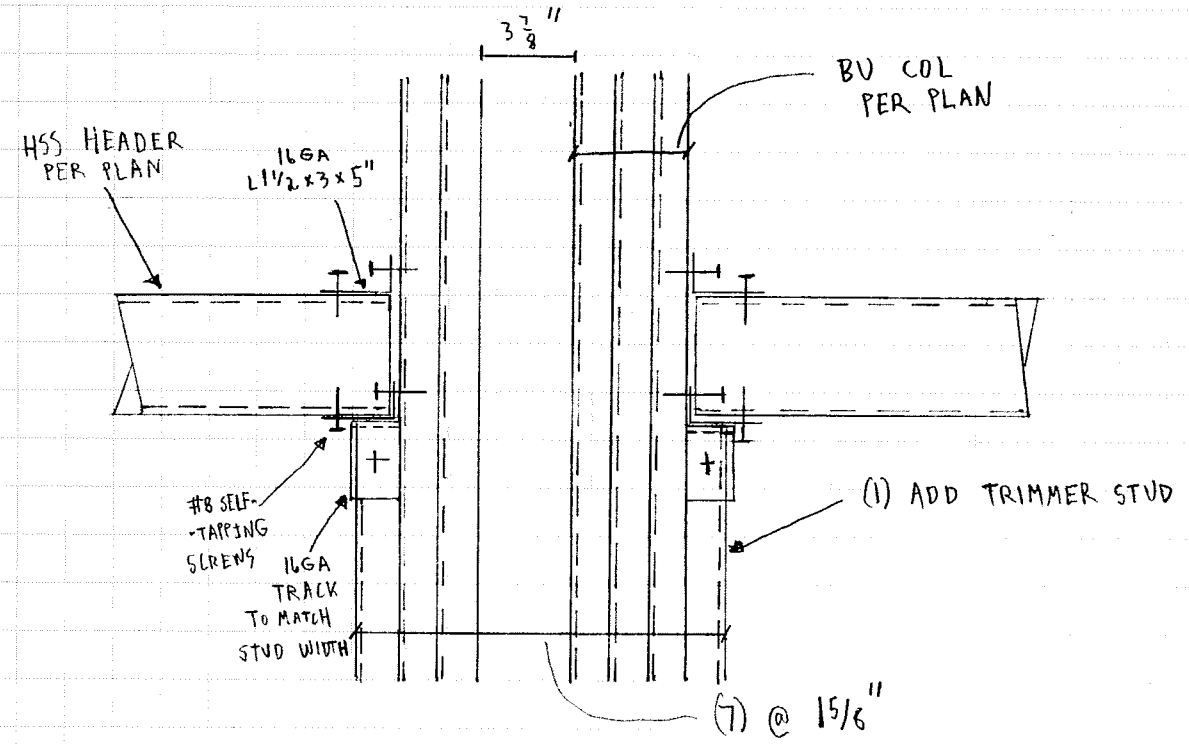

Section

1 1/2" = 1'-0"

3

DRAFT IN 1" = 1'-0" SCALE!!

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PRCTI20221793

Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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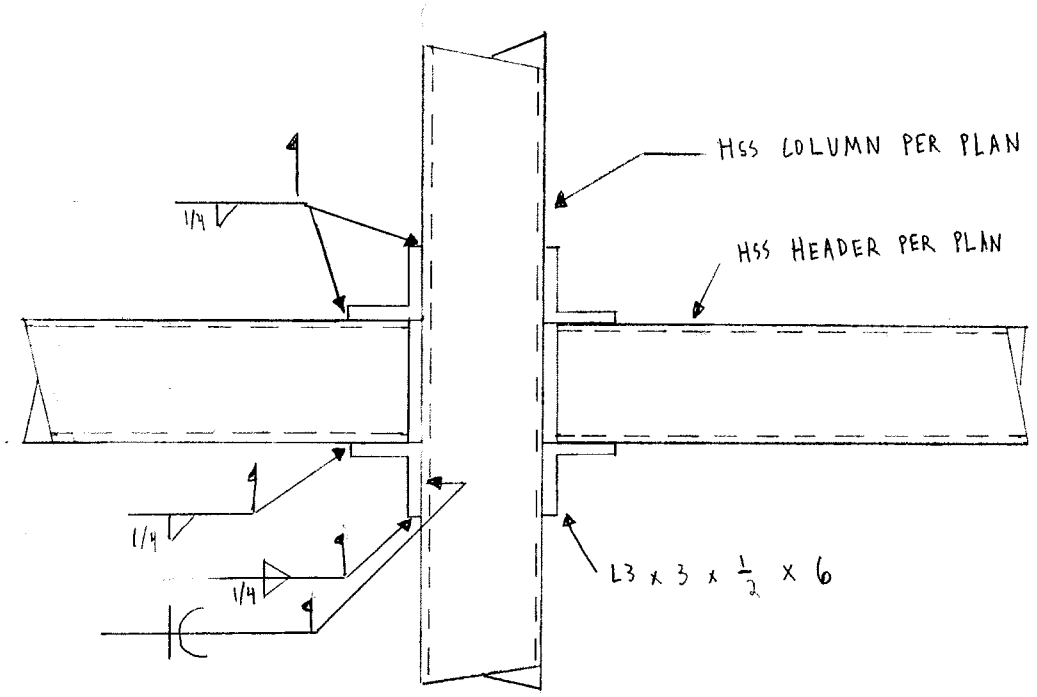
BU Header Detail



SECTION

1 1/2" = 1'-0"

2

↳ DRAFT IN 1" = 1'-0" SCALE

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Project Goldfish Swimschool | Project No. 220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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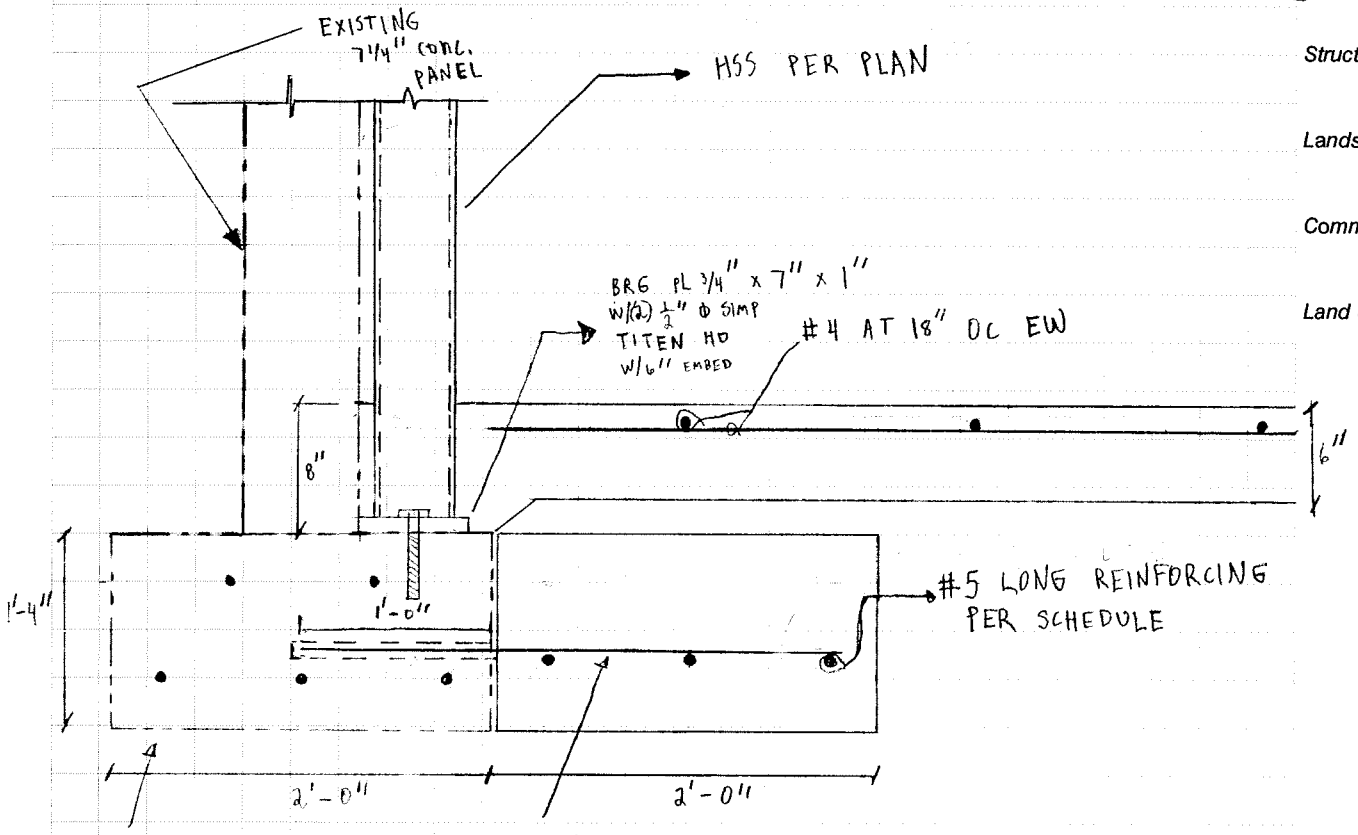

SECTION

1" = 1'-0"

4

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____
Subject ____ | Phone ____ | ☐ Calculations
With/To ____ | Fax # ____ | ☐ Fax
Address ____ | # Faxed Pages ____ | ☐ Memorandum
Date ____ | By ____ | ☐ Meeting Minutes
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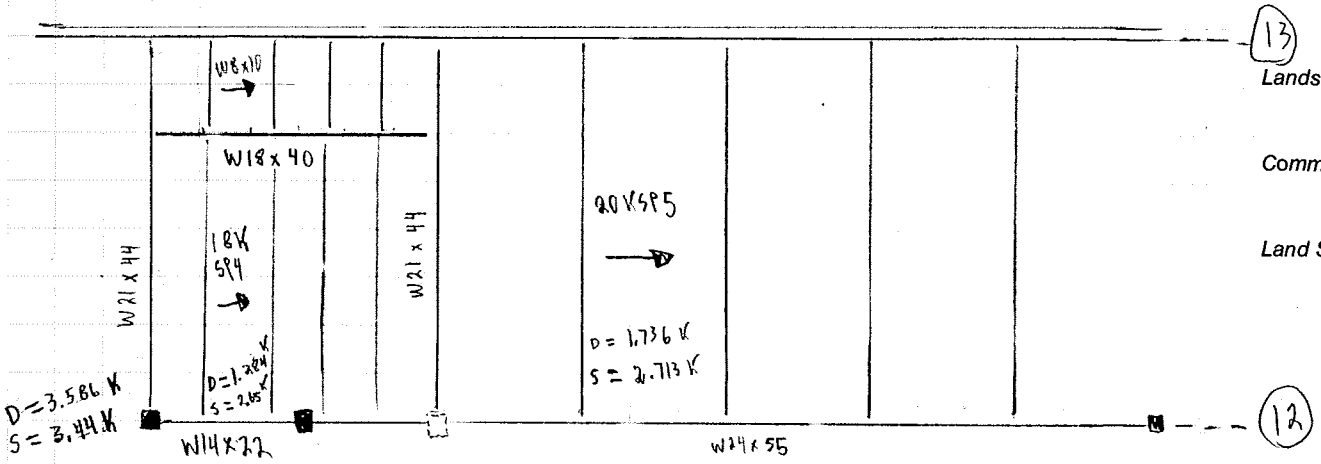
Beam re-design: Plan View



Loading on W18x40:

high roof DL, SL:

$T_w = 15.33'/2 = 7.665'$

DL = 20 psf · 7.665' = 153.3 plf

SL = 25 psf · 7.665' = 191.625 plf

roof DL, SL:

$T_w = 13.167'$

DL = 23 psf · 13.167' = 303.85 plf

SL = 25 psf · 13.167' = 329.175 plf

Total: DL = 457.15 plf + 10 psf · 15' = 607.15 plf SL = 520.8 plf

Dead reactions: $R_D = (607.15\ plf)(26')/2 = 7.893\ K$ (26' → beam length)

Snow reactions: $R_s = (520.8\ plf)(26')/2 = 6.77\ K$

Left W21x44 Loading

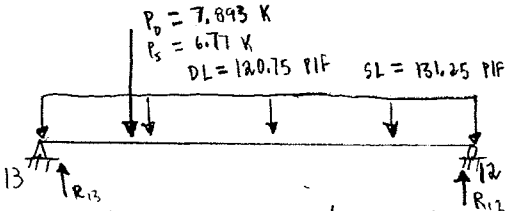
$T_w = 5.25'$

DL = 23 · 5.25 = 120.75 plf

SL = 25 · 5.25 = 131.25 plf

$P_D = 7.893\ K$ @ 6.66'

$P_s = 6.77\ K$ @ 6.66'



Dead reactions: $\Sigma M_{13} = 26.33' R_{12} - (7.893 \cdot 6.66) - (120.75 \cdot 26.33 \cdot 13.165') = 0$

$R_{12D} = 3.586\ K$ $R_{13} = 6.829\ K$

Snow reactions: $R_{12S} = 3.44\ K$

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Project Goldfish Swimschool | Project No. 22220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

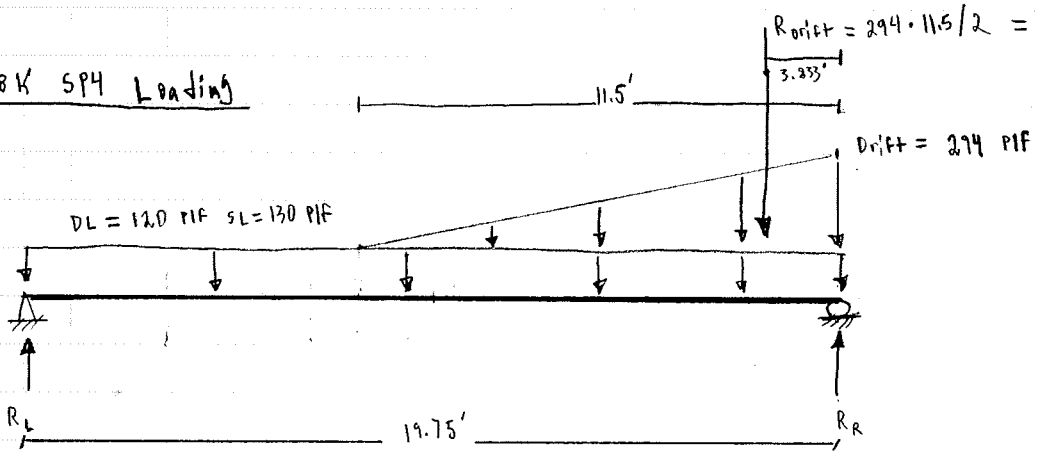
With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

$R_{drift} = 294 \cdot 11.5/2 = 1.691$ K

18K SP4 Loading



Dead reactions:

$R_L = R_R = 1.284$ K

Snow reactions: $\Sigma M_L = -(130^{PLF} \cdot 19.75' \cdot 9.875') - (1.691^{K} \cdot 15.917') + 19.75 R_R = 0$

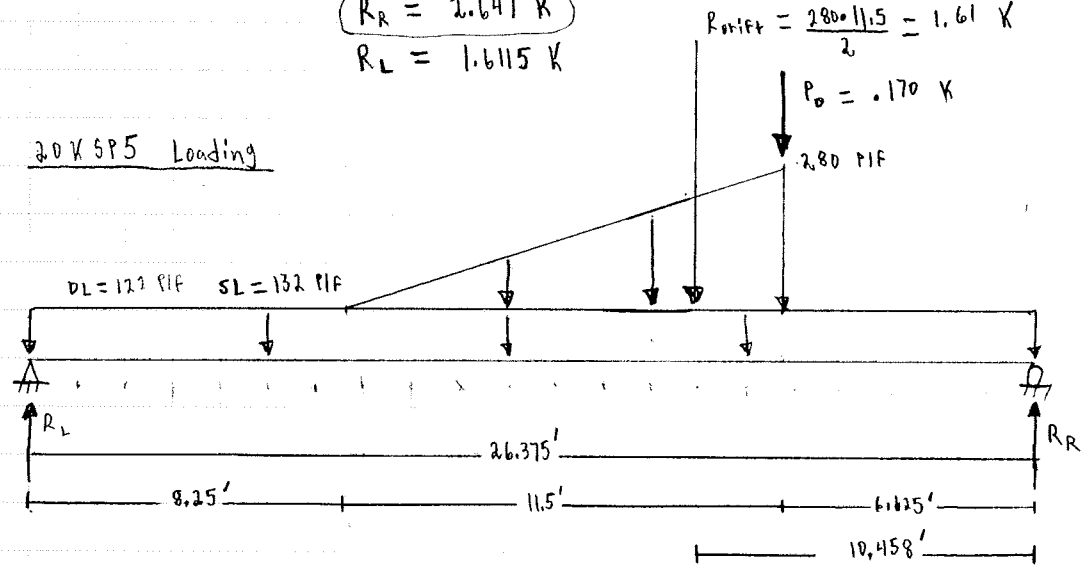
$R_R = 2.647$ K

$R_L = 1.6115$ K

$R_{drift} = \frac{280 \cdot 11.5}{2} = 1.61$ K

$P_D = .170$ K

20K SP5 Loading



Dead reactions:

$\Sigma M_L = -(122^{PLF} \cdot 26.375' \cdot 13.1875') - (1.61^{K} \cdot 15.917') - (.17^{K} \cdot 19.75') + 26.375 R_R = 0$

$R_R = 1.736$ K

$R_L = 1.652$ K

Snow reactions:

$\Sigma M_L = -(132\ PLF \cdot 26.375' \cdot 13.1875') - (1.61\ K \cdot 15.917') + 26.375 R_R = 0$

$R_R = 2.713$ K

$R_L = 2.38$ K

Project Goldfish swimschool | Project No. 2220785 | ☐ Page ____ of ____
Subject ____ | Phone ____ | ☐ Calculations
With/To ____ | Fax # ____ | ☐ Fax
Address ____ | # Faxed Pages ____ | ☐ Memorandum
Date ____ | By ____ | ☐ Meeting Minutes
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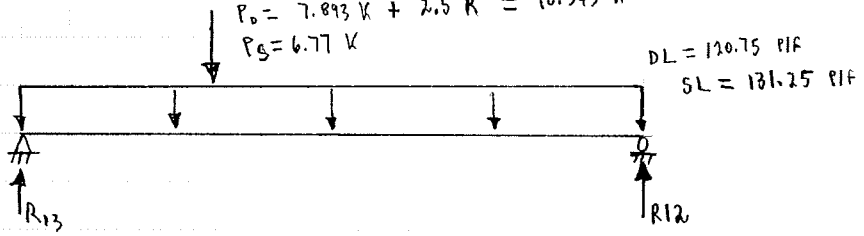
Right W21x44 Loading

- Assumption: Mechanical unit from above weighs 2500 lbs & acts as a point load at 6.66' from GL 13

$P_D = 7.893\ K + 2.5\ K = 10.393\ K$
$P_S = 6.77\ K$



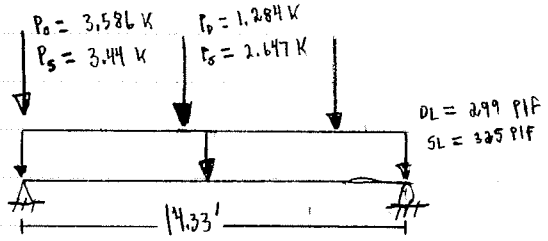
Dead reactions: $\Sigma M_{13} = 0$

$R_{12D} = 4.219\ K$
$R_{13D} = 9.353\ K$

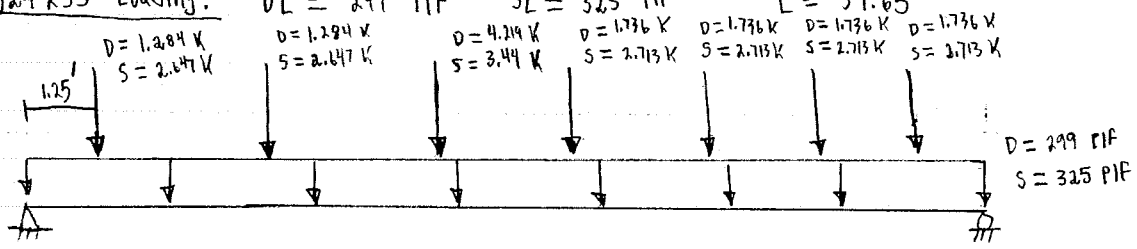
Snow reactions:

$R_{12S} = 3.44\ K$
$R_{13S} = 6.786\ K$

W14 x 22 Loading: $T_w = 13'$ $DL = (23\ PSF \cdot 13') = 299\ PIF$ $SL = (25\ PSF \cdot 13') = 325\ PIF$



W24 x 55 Loading: DL = 299 PIF SL = 325 PIF L = 37.65'



- Point loads spaced at 5.2' OC

Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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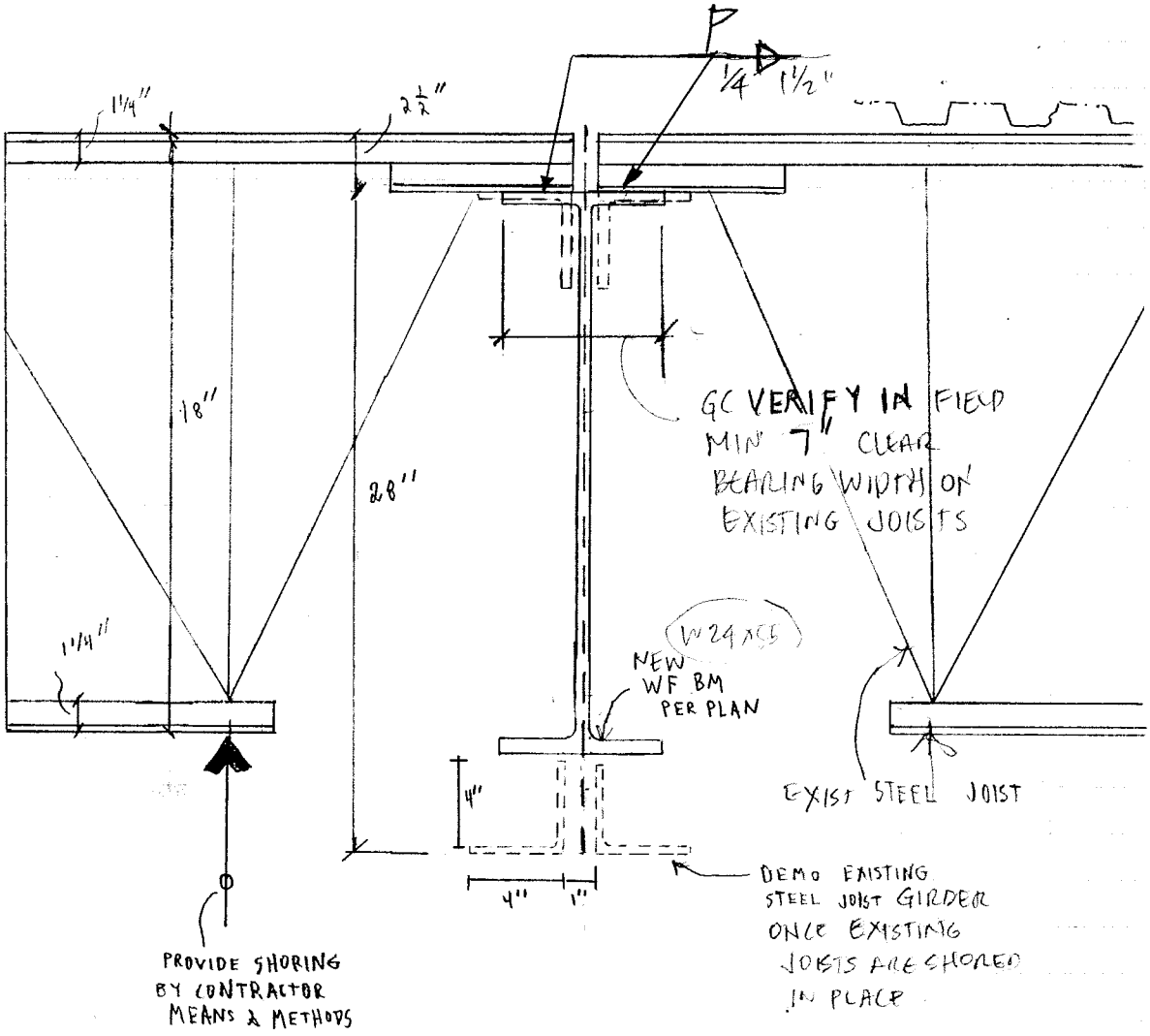

SECTION

1½" = 1'-0"

3

→ DRAFT IN 1" = 1'-0" scale !!

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6 x 6 x 3/16

Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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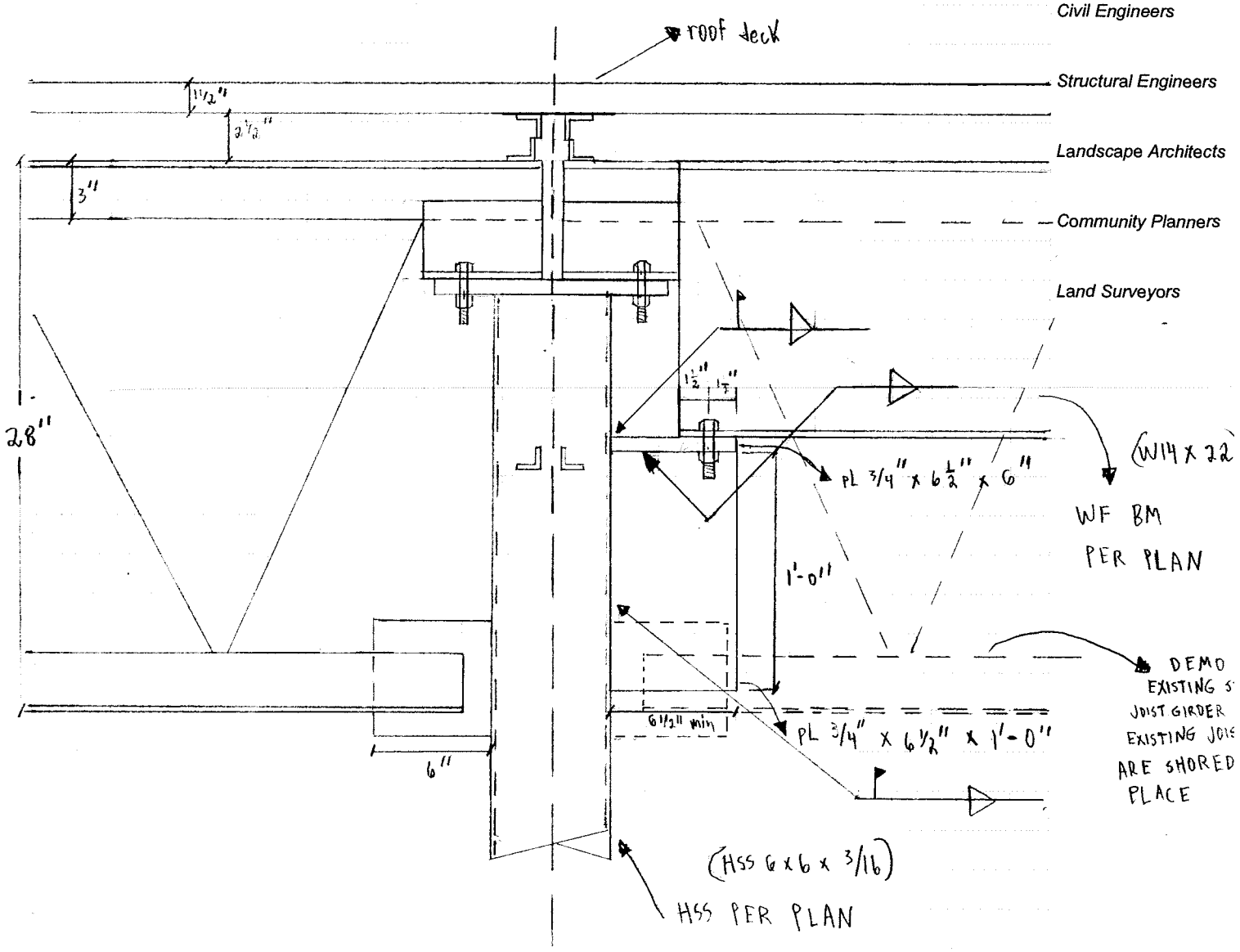

SECTION
1½" = 1'-0"

4

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____
Subject ____ | Phone ____ | ☐ Calculations
With/To ____ | Fax # ____ | ☐ Fax
Address ____ | # Faxed Pages ____ | ☐ Memorandum
Date ____ | By ____ | ☐ Meeting Minutes
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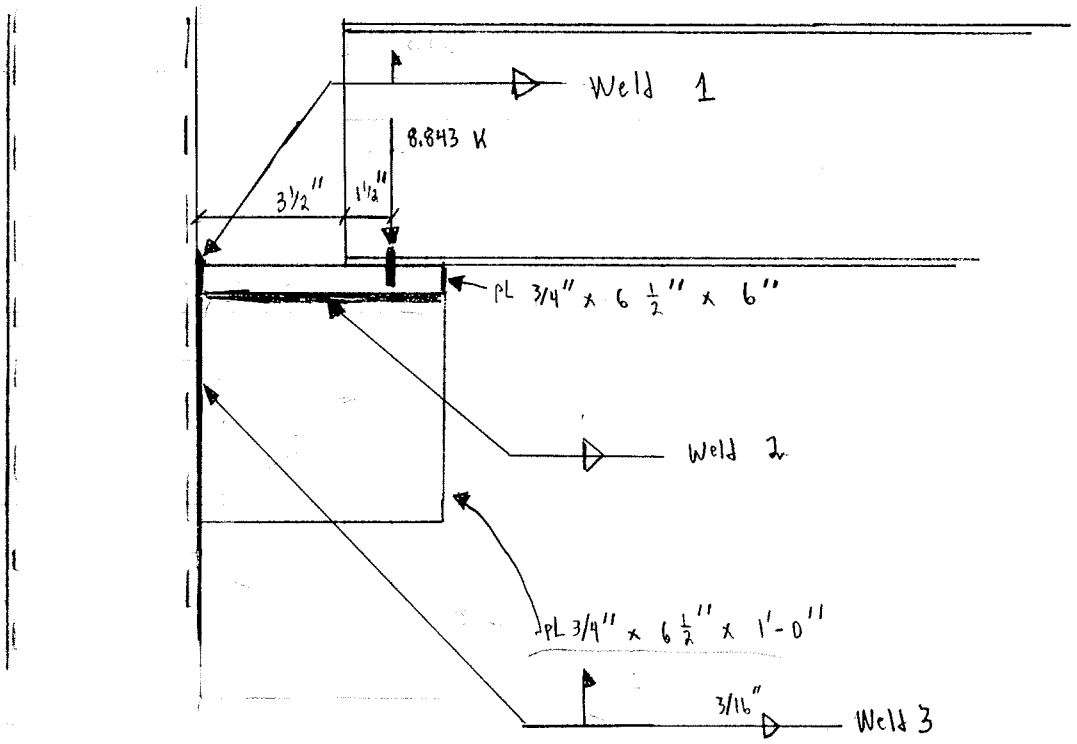
Weld Design for HSS Column to WF beam connection



Weld 3 Design

$$P_u \le \frac{R_n}{\Omega} = \frac{F_{NW} A_{WE}}{2.0} = \frac{.6 F_{EXX}\left(\frac{t_w}{\sqrt{2}}\right) \cdot 2L}{2} \qquad (J2-3)$$

Try 3/16" weld, $t_w = 3/16"$

$$\frac{R_n}{\Omega} = \frac{.6(70\ ksi)\left(\frac{3}{16\sqrt{2}}\right)(2)(12")}{2} = 66.82\ K$$

$$66.82\ K / 24" = 2.784\ K/in$$

$$\sigma_{shear} = \frac{F}{dL} = \frac{8.843\ K}{2 \cdot 12"} = .368\ K/in$$

$$M = 8.843\ K \cdot 5\ in = 44.215\ K \cdot in$$

Project Goldfish Swimschool | Project No. 8220785 | ☐ Page ____ of ____
Subject ____ | Phone ____ | ☐ Calculations
With/To ____ | Fax # ____ | ☐ Fax
Address ____ | # Faxed Pages ____ | ☐ Memorandum
Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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Weld 1 & 3 Design

$$R_n = \max \begin{cases} R_{nWL} + R_{nWt} \\ .85 R_{nWL} + 1.5 R_{nWt} \end{cases} \quad (J2\text{-}6b) \quad \text{AISC ch.16}$$

$$R_{nWL} = .6 F_{EXX} (.707) t_w \cdot 2L = .6(70\,ksi)(.707) t_w \cdot (2 \cdot 12'') = 712.66 t_w$$

$$\frac{R_{nWL}}{\Omega} = \frac{R_{WL}}{2} = 356.33 t_w$$

$$\frac{R_{nWt}}{2} = .6(70\,ksi)(.707) t_w (2 \cdot 6'') = 178.164 t_w$$

$$R_n = \max \begin{cases} 356.33 t_w + 178.16 t_w = 534.5 t_w \\ .85(356.33 t_w) + 1.5(178.16 t_w) = 570.12 t_w \leftarrow \end{cases}$$

Try $t_w = 3/16''$ $\rightarrow$ $R_n = 570.12 \cdot (3/16'') = 106.8976\ K$

$$\frac{R_n}{2L_{WL} + 2L_{Wt}} = \frac{106.8976\ K}{12'' + 24''} = 2.97\ K/in$$

Most of shear resisted in longitudinal direction

$$\sigma_{shear} = \frac{F}{24''} = \frac{8.843\ K}{24''} = .368\ K/in$$

$M = 8.843\ K \cdot 5'' = 44.215\ K\cdot in$

$$\sigma_{bend} = \frac{M}{S} = \frac{44.215\ K\cdot in}{144\ in^2} = .307\ K/in \qquad S = \frac{4bd + d^2}{3} = 144\ in^2$$

$$\sigma_{Tress} = \sqrt{\sigma_s^2 + \sigma_b^2} = .479\ K/in < 2.97\ K/in \quad \checkmark$$

$t_w = 3/16''$ works! Use $t_w = 1/4''$

Use this thickness for Weld 2 as well

Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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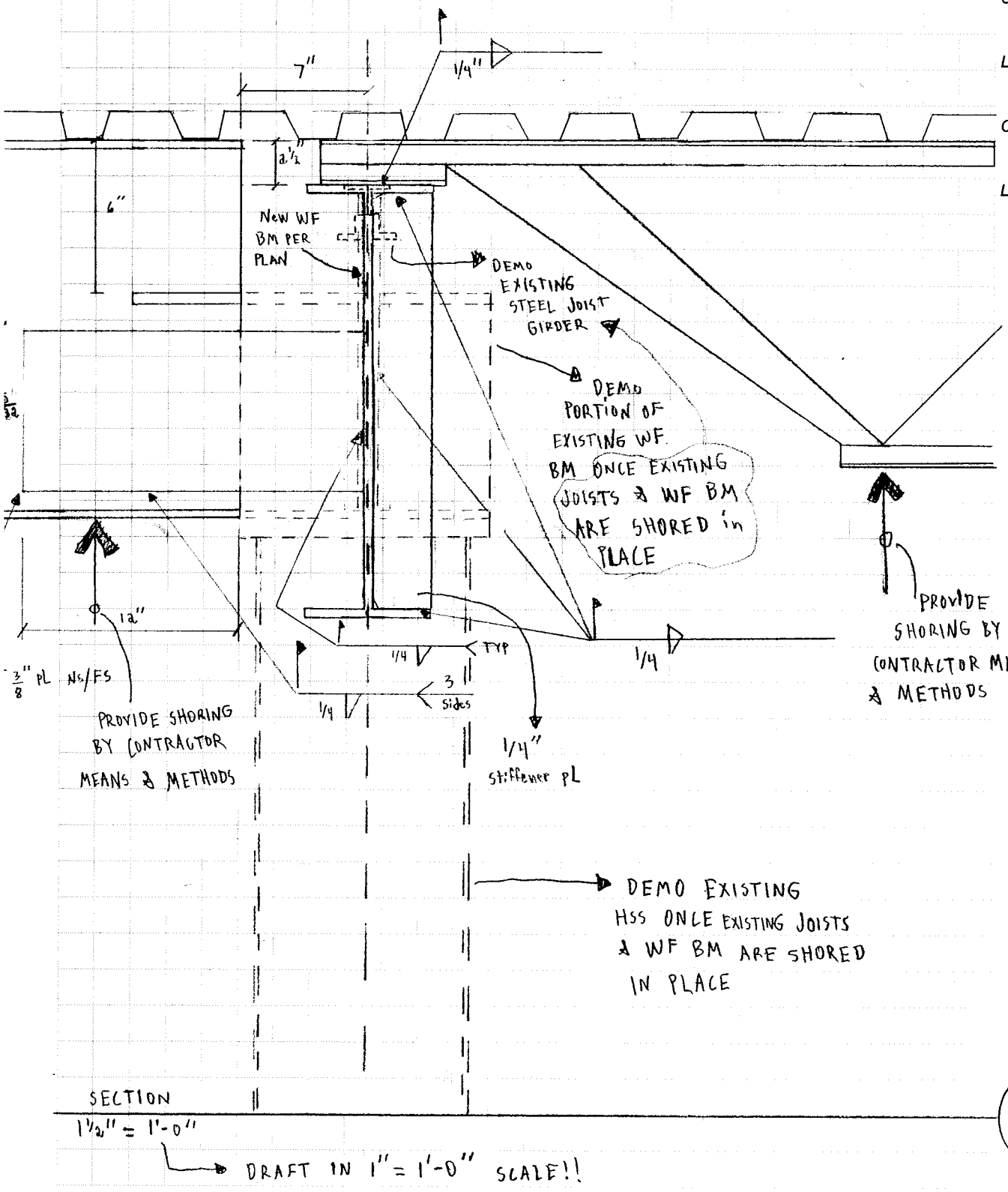

SECTION

1 1/2" = 1'-0"

DRAFT IN 1" = 1'-0" SCALE!!

5

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____
Subject ____ | Phone ____ | ☐ Calculations
With/To ____ | Fax # ____ | ☐ Fax
Address ____ | # Faxed Pages ____ | ☐ Memorandum
Date ____ | By ____ | ☐ Meeting Minutes
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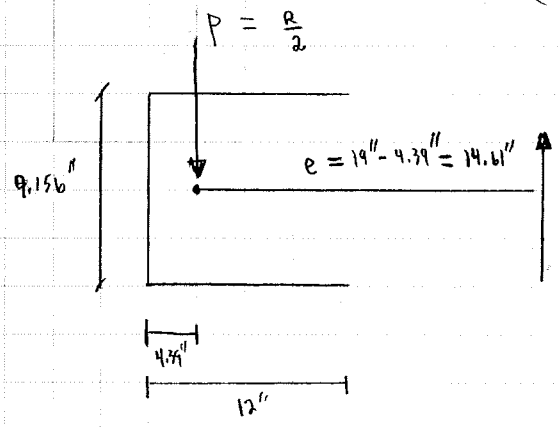
Weld design for W21 to W24 connection

$$\bar{X} = \frac{\Sigma L_i X_i}{\Sigma L_i} = \frac{(12'' \cdot 6'' \cdot 2) + (11.375'' \cdot 0)}{(12'' \cdot 2) + 11.375''} = 4.39''$$



$$P = \frac{R}{2} = \frac{4.214\ K + 3.44\ K}{2} = 3.83\ K$$

$R_n = CC_1 D l$ (AISC Ch. 8)

$l = 9.156''$

$D = 4$

$C_1 = 1.0$

$a = \frac{14.61''}{9.156''} = 1.6$

$K l = 12''$

$K = 12''/9.156'' = 1.3106$

$C = 2.46$ (Table 8-8)

$$R_n = \frac{(2.46)(1.0)(4)(9.156'')}{2} = 45.05\ K >> 3.83\ K \quad \checkmark\checkmark$$

Use 1/4" weld!!!

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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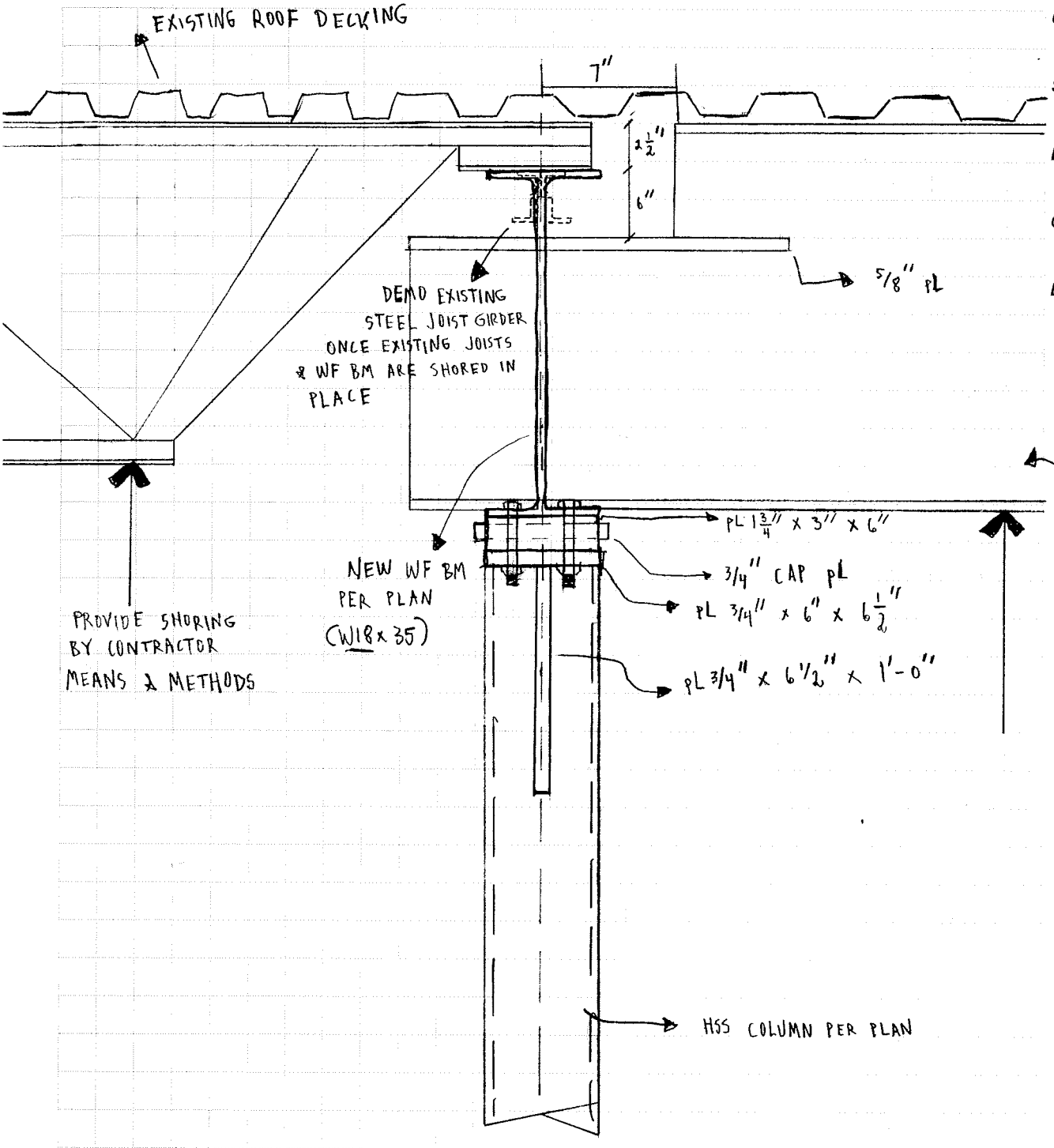

SECTION

1½" = 1'-0"

6

→ Draft in 1" = 1'-0" scale!!

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____
Subject ____ | Phone ____ | ☐ Calculations
With/To ____ | Fax # ____ | ☐ Fax
Address ____ | # Faxed Pages ____ | ☐ Memorandum
Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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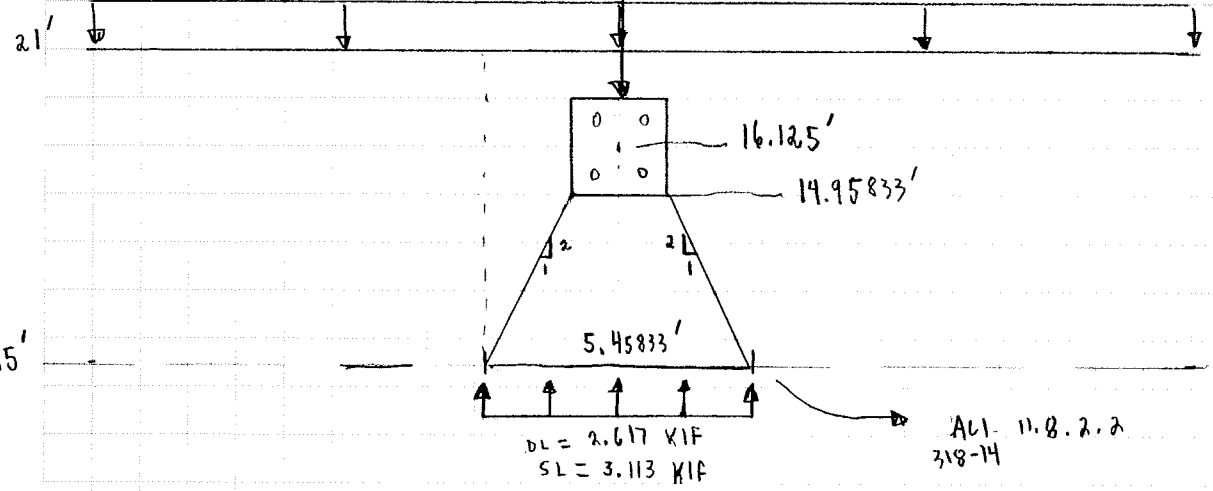
- check wall to see if it can support a girder framing into it!

DL = 23 psf · 2.6' = 59.8 PLF
SL = 25 · 2.6 = 65 PLF

DL = 14.282 K
SL = 16.992 K



0'

Added DL = $\frac{2.617 \text{ K/F}}{2.6'}$ = 1.0065 KSF

Added SL = $\frac{3.113 \text{ K/F}}{2.6'}$ = 1.197 KSF

$P_{net} = \lambda K_{zt} P_{net30} = (1)(1)(17.62) = 17.62$ PSF

- Wall fails under load from new girder! See excel sheet!

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Project Goldfish Swimschool | Project No. 2220785 | ☐ Page ____ of ____
Subject ____ | Phone ____ | ☐ Calculations
With/To ____ | Fax # ____ | ☐ Fax
Address ____ | # Faxed Pages ____ | ☐ Memorandum
Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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RTU-1 weight = 2023 lbs A = 32.6 ft² DL = 62.055 psf
DU-1 weight = 4162 lbs A = 96.34 ft² DL = 43.2 psf

Design of beams to support DU-1

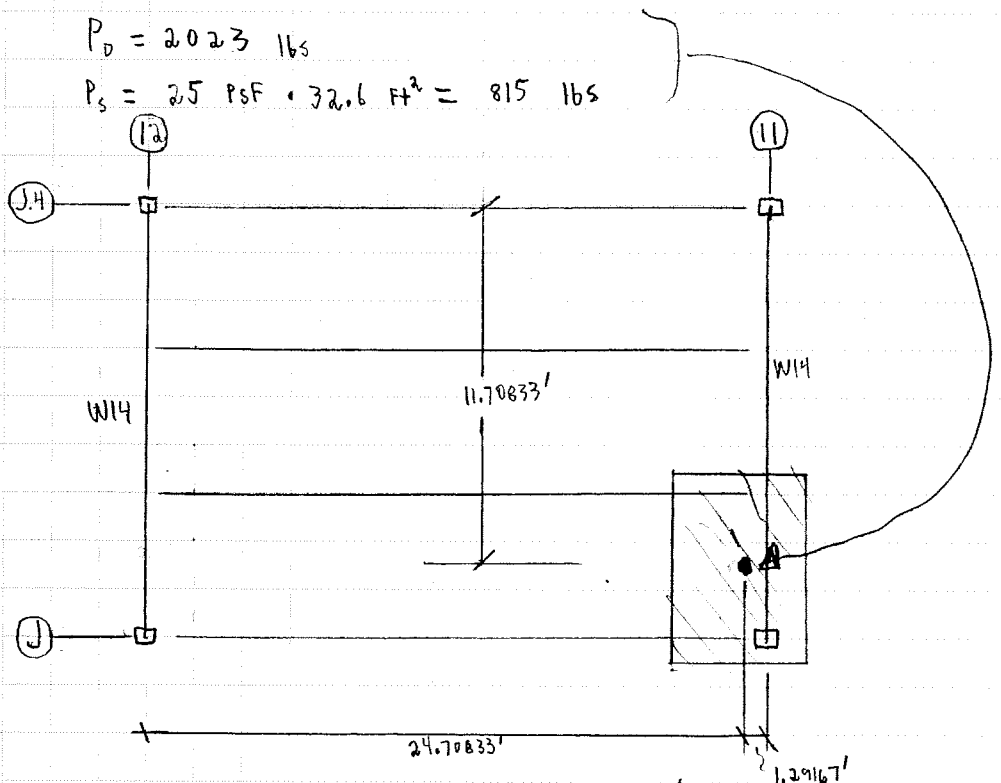
Loading: $X \in [0, 1'] \cup [14', 16.974']$ DL = SL = 0

$X \in [1', 14']$ DL = (43.2 psf)(3.5625') = 153.9 plf
↳ $T_w = 7.125'/2 = 3.5625'$ SL = (25 psf)(3.5625') = 89.1 plf

Use W14 x 22 → See RISA W

Check beams against additional loading from RTU-1

P_D = 2023 lbs
P_S = 25 psf · 32.6 ft² = 815 lbs



Loading on Beam 12J.4-12J:
$P_D = \left(\frac{1.29167'}{26'}\right)(2023 \text{ lbs}) = 100.5\#$ @ X = 11.70833'
$P_S = (1.29167'/26')(815 \text{ lbs}) = 40.49\#$ @ X = 11.70833'

Loading on Beam 11J.4-11J:
$P_D = (24.71'/26')(2023 \text{ lbs}) = 1922.628\#$ @ X = 11.70833'
$P_S = (24.71/26')(815 \text{ lbs}) = 774.56\#$ @ X = 11.70833'

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- Beams Pass VVV → See RISA!!!

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Project Goldfish swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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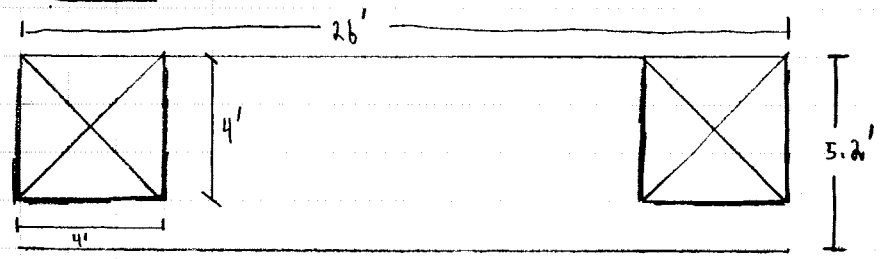
Skylight Framing - See RISA

- Try L3 x 3 x 3

DL = 23 psf

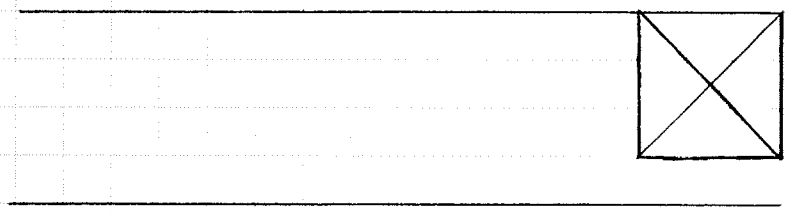
SL = 25 psf

Case 1:



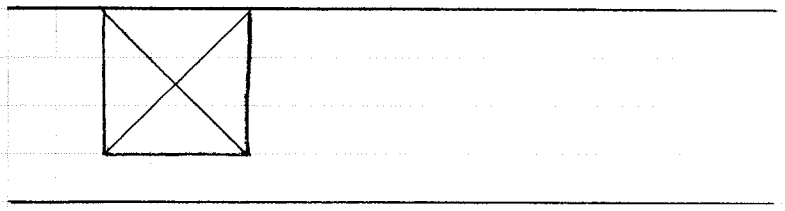
- L3x3x3 Passes!!

Case 2:



- L3x3x3 Passes!

Case 3:



- L3x3x3 Passes!

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Subject

With/To

Address

Date

Project No. 2220785

Phone

Fax #

Faxed Pages

By

☐ Page ____ of ____
☐ Calculations
☐ Fax
☐ Memorandum
☐ Meeting Minutes
☐ Telephone Memo

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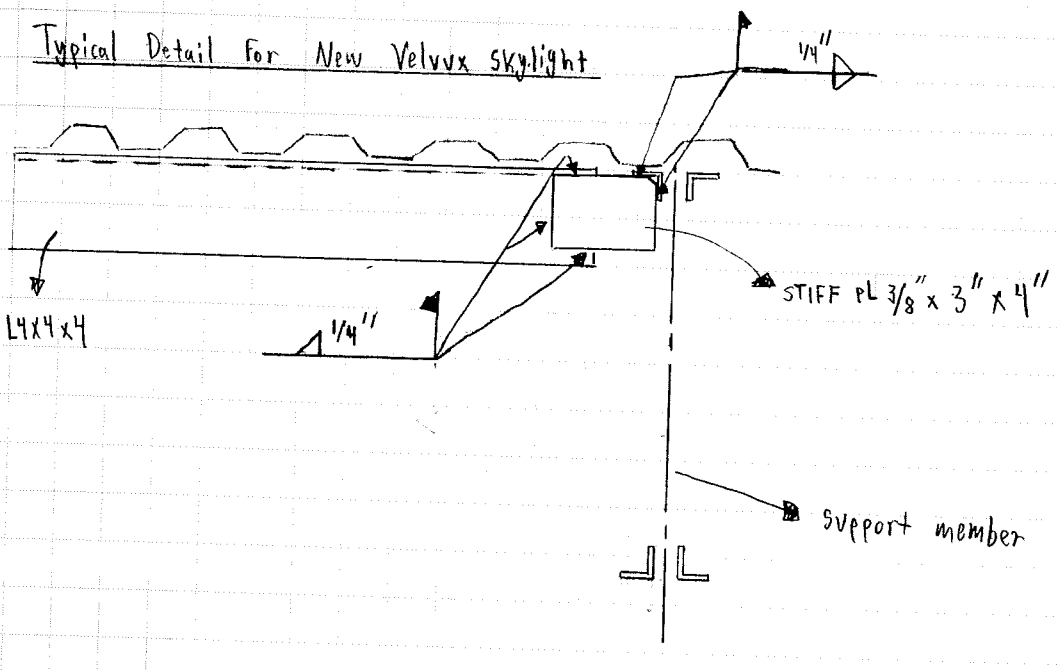
Typical Detail For New Velvux Skylight



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Project Goldfish swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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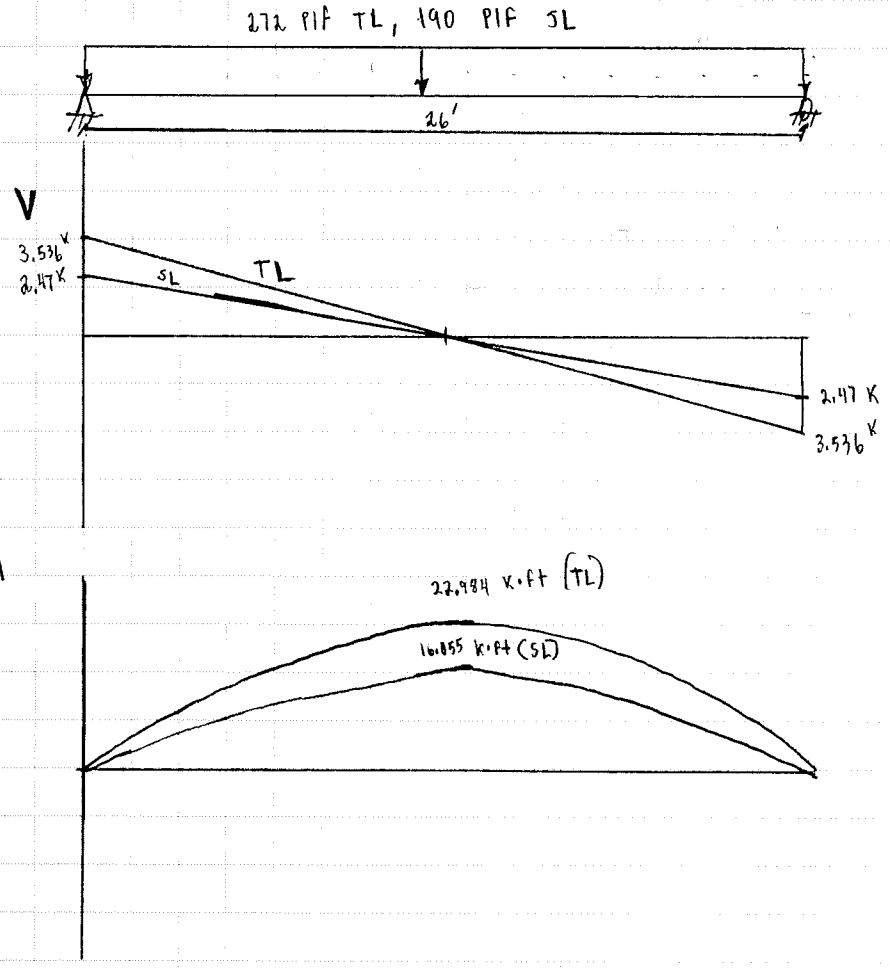
18K3 Joist Shear & Moment check

- According to vulcraft catalogue, capacity of 18K3 Joist is 272 PLF TL & 190 PLF SL



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Project Goldfish Swimsched | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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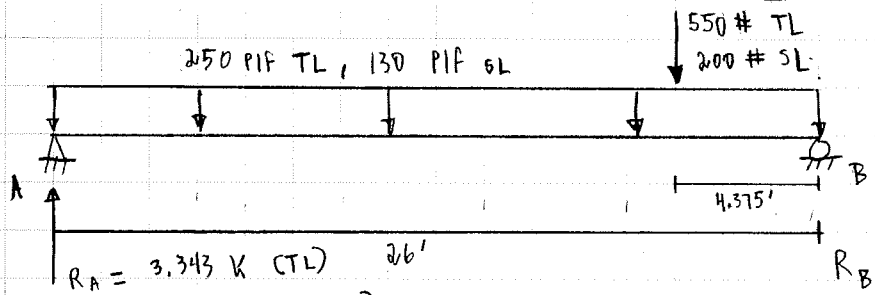
Moment & Shear demand on joists from RTV unit



$\Sigma M_B = -(250 \cdot 26)(13) - 550 \cdot 21.625 + 26 R_B = 0$

$R_B = 3.707$ K

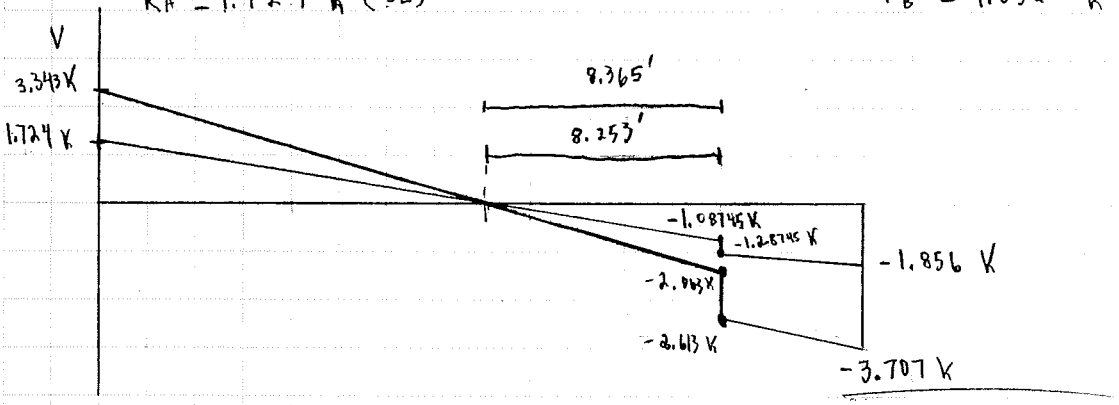
$R_A = 3.343$ K

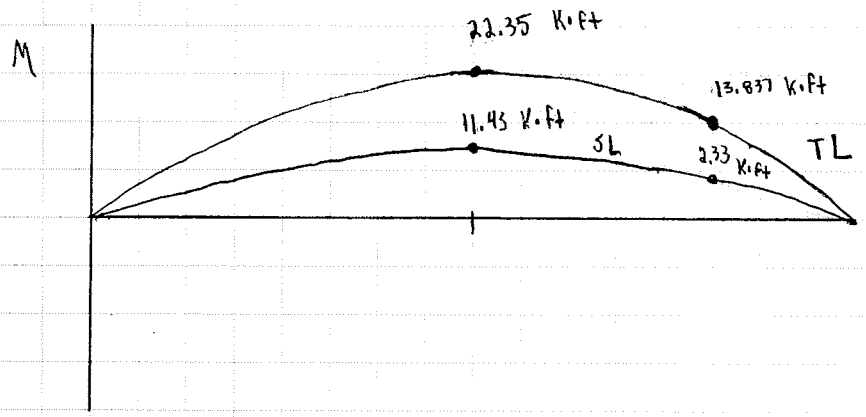
$R_A = 3.343$ K (TL)

$R_A = 1.724$ K (SL)

$R_B = 3.707$ K (TL)

$R_B = 1.856$ K (SL)





Shear: TL Demand = 3.707 K > TL CAP = 3.536 K

Unity = 1.048 XX NG → Within 5%, thus acceptable VV

SL D = 1.856 K < 2.47 K VV

Moment: TL D = 22.35 K·ft < 22.984 K·ft VV

SL D = 11.43 K·ft < 16.055 K·ft VV

Project Goldfish swimschool | Project No. 2220785 | ☐ Page ____ of ____

Subject ____ | Phone ____ | ☐ Calculations

With/To ____ | Fax # ____ | ☐ Fax

Address ____ | # Faxed Pages ____ | ☐ Memorandum

Date ____ | By ____ | ☐ Meeting Minutes | ☐ Telephone Memo

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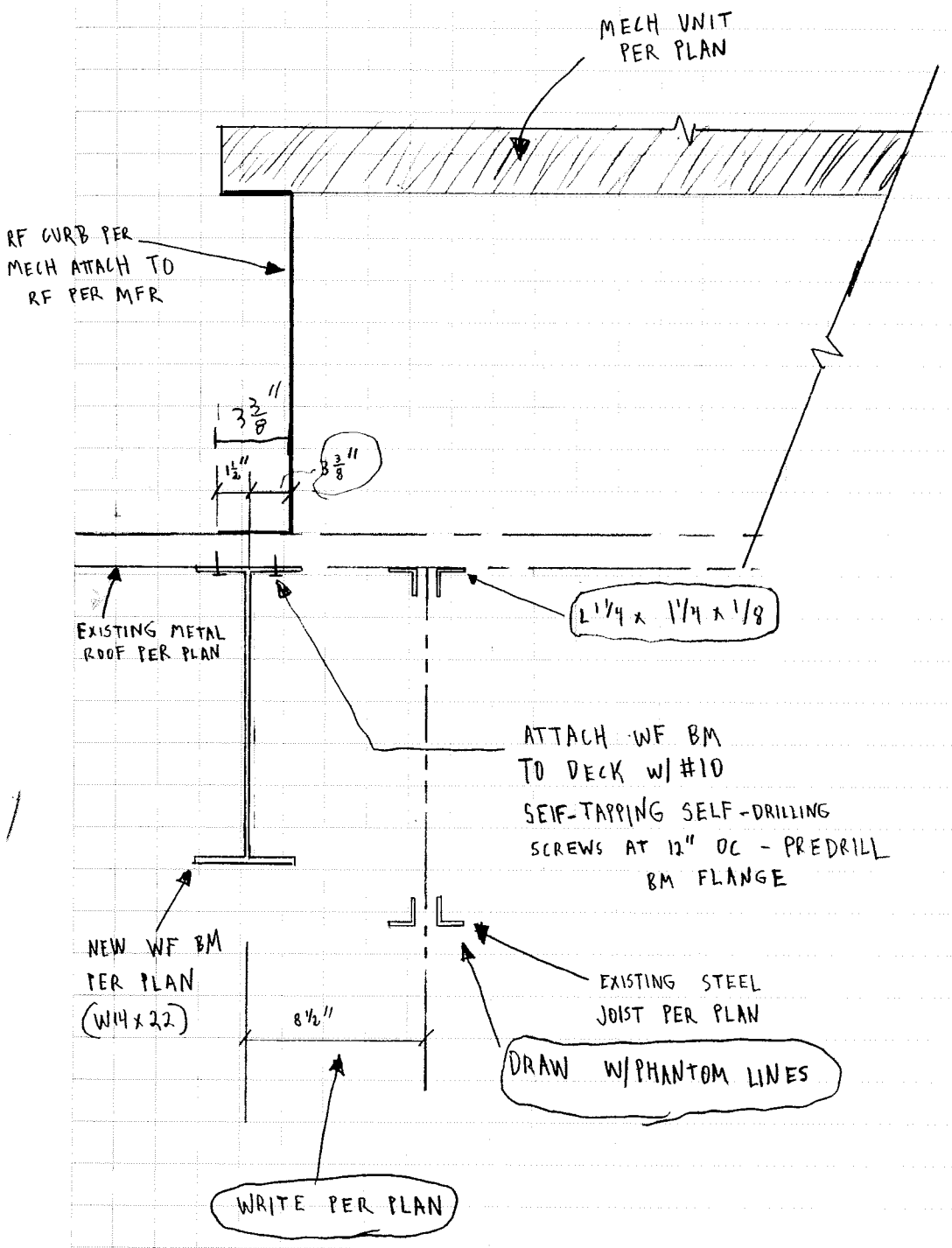
Roof Mechanical Unit Detail



SECTION

1 1/2" = 1'-0" ⟶ DRAFT IN 1" = 1'-0"

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2215 North 30th Street
Suite 300
Tacoma, WA 98403
253.383.2422

Project Title: Goldfish Swim School
Engineer: ADM
Project ID: 2220785.20
Project Descr: Tenant Improvements to Existing Mall Building

Steel Column

Project File: 2220785.ec6

DESCRIPTION: Interior Column

Code References

Calculations per AISC 360-16, IBC 2018, CBC 2019, ASCE 7-16
Load Combinations Used : IBC 2018

General Information

Steel Section Name : **HSS5x5x1/4**

Analysis Method :	Allowable Strength
Steel Stress Grade	
Fy : Steel Yield	46.0 ksi
E : Elastic Bending Modulus	29,000.0 ksi

Overall Column Height 16.0 ft
Top & Bottom Fixity Top & Bottom Pinned
Brace condition for deflection (buckling) along columns :
X-X (width) axis :
Unbraced Length for buckling ABOUT Y-Y Axis = 16.0 ft, K = 1.0
Y-Y (depth) axis :
Unbraced Length for buckling ABOUT X-X Axis = 16.0 ft, K = 1.0

Applied Loads

Service loads entered. Load Factors will be applied for calculations.

Column self weight included : 249.920 lbs * Dead Load Factor
AXIAL LOADS . . .
Roof Load: Axial Load at 16.0 ft, D = 11.0, LR = 14.0, S = 18.0 k

DESIGN SUMMARY

Bending & Shear Check Results

PASS Max. Axial+Bending Stress Ratio = 0.4805 : 1

Load Combination	+D+S
Location of max.above base	0.0 ft
At maximum location values are . . .	
Pa : Axial	29.250 k
Pn / Omega : Allowabl	60.868 k
Ma-x : Applied	0.0 k-ft
Mn-x / Omega : Allowable	17.468 k-ft
Ma-y : Applied	0.0 k-ft
Mn-y / Omega : Allowable	17.468 k-ft

PASS Maximum Shear Stress Rati 0.0 : 1

Load Combination	0.0
Location of max.above base	0.0 ft
At maximum location values are . . .	
Va : Applied	0.0 k
Vn / Omega : Allowable	0.0 k

Maximum Load Reactions . .

Top along X-X	0.0 k
Bottom along X-X	0.0 k
Top along Y-Y	0.0 k
Bottom along Y-Y	0.0 k

Maximum Load Deflections . . .

Along Y-Y 0.0 in at 0.0 ft above base
for load combination :

Along X-X 0.0 in at 0.0 ft above base
for load combination :

Load Combination Results

Load Combination	Maximum Axial + Bending Stress Ratios: Stress Ratio	Status	Location	Cbx	Cby	KxLx/Ry	KyLy/Rx	Maximum Shear Ratios: Stress Ratio	Status	Location
D Only	0.185	PASS	0.00 ft	1.00	1.00	99.48	99.48	0.000	PASS	0.00 ft
+D+Lr	0.415	PASS	0.00 ft	1.00	1.00	99.48	99.48	0.000	PASS	0.00 ft
+D+S	0.481	PASS	0.00 ft	1.00	1.00	99.48	99.48	0.000	PASS	0.00 ft
+D+0.750Lr	0.357	PASS	0.00 ft	1.00	1.00	99.48	99.48	0.000	PASS	0.00 ft
+D+0.750S	0.407	PASS	0.00 ft	1.00	1.00	99.48	99.48	0.000	PASS	0.00 ft
+0.60D	0.111	PASS	0.00 ft	1.00	1.00	99.48	99.48	0.000	PASS	0.00 ft

Maximum Reactions

Note: Only non-zero reactions are listed.

Load Combination	Axial Reaction @ Base (k)	X-X Axis Reaction @ Base (k)	X-X Axis Reaction @ Top (k)	Y-Y Axis Reaction @ Base (k)	Y-Y Axis Reaction @ Top (k)	Mx - End Moments @ Base (k-ft)	Mx - End Moments @ Top (k-ft)	My - End Moments @ Base (k-ft)	My - End Moments @ Top (k-ft)
D Only	11.250								
+D+Lr	25.250								
+D+S	29.250								
+D+0.750Lr	21.750								
+D+0.750S	24.750								
+0.60D	6.750								
Lr Only	14.000								
S Only	18.000								

AHBL Engineers
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253.383.2422

Project Title: Goldfish Swim School
Engineer: ADM
Project ID: 2220785.20
Project Descr: Tenant Improvements to Existing Mall Building

Steel Column

Project File: 2220785.ec6

DESCRIPTION: Interior Column

Extreme Reactions

Item	Extreme Value	Axial Reaction @ Base	X-X Axis Reaction @ Base	@ Top	k	Y-Y Axis Reaction @ Base	@ Top	Mx - End Moments @ Base	@ Top	k-ft	My - End Moments @ Base	@ Top
Axial @ Base	Maximum	29.250										
"	Minimum	6.750										
Reaction, X-X Axis Base	Maximum	11.250										
"	Minimum	11.250										
Reaction, Y-Y Axis Base	Maximum	11.250										
"	Minimum	11.250										
Reaction, X-X Axis Top	Maximum	11.250										
"	Minimum	11.250										
Reaction, Y-Y Axis Top	Maximum	11.250										
"	Minimum	11.250										
Moment, X-X Axis Base	Maximum	11.250										
"	Minimum	11.250										
Moment, Y-Y Axis Base	Maximum	11.250										
"	Minimum	11.250										
Moment, X-X Axis Top	Maximum	11.250										
"	Minimum	11.250										
Moment, Y-Y Axis Top	Maximum	11.250										
"	Minimum	11.250										

Maximum Deflections for Load Combinations

Load Combination	Max. X-X Deflection	Distance	Max. Y-Y Deflection	Distance
D Only	0.0000 in	0.000 ft	0.000 in	0.000 ft
+D+Lr	0.0000 in	0.000 ft	0.000 in	0.000 ft
+D+S	0.0000 in	0.000 ft	0.000 in	0.000 ft
+D+0.750Lr	0.0000 in	0.000 ft	0.000 in	0.000 ft
+D+0.750S	0.0000 in	0.000 ft	0.000 in	0.000 ft
+0.60D	0.0000 in	0.000 ft	0.000 in	0.000 ft
Lr Only	0.0000 in	0.000 ft	0.000 in	0.000 ft
S Only	0.0000 in	0.000 ft	0.000 in	0.000 ft

Steel Section Properties : HSS5x5x1/4

Depth	=	5.000 in	I xx	=	16.00 in^4	J	=	25.800 in^4	
Design Thick	=	0.233 in	S xx	=	6.41 in^3				
Width	=	5.000 in	R xx	=	1.930 in				
Wall Thick	=	0.250 in	Zx	=	7.610 in^3				
Area	=	4.300 in^2	I yy	=	16.000 in^4	C	=	10.500 in^3	
Weight	=	15.620 plf	S yy	=	6.410 in^3				
			R yy	=	1.930 in				
Ycg	=	0.000 in							

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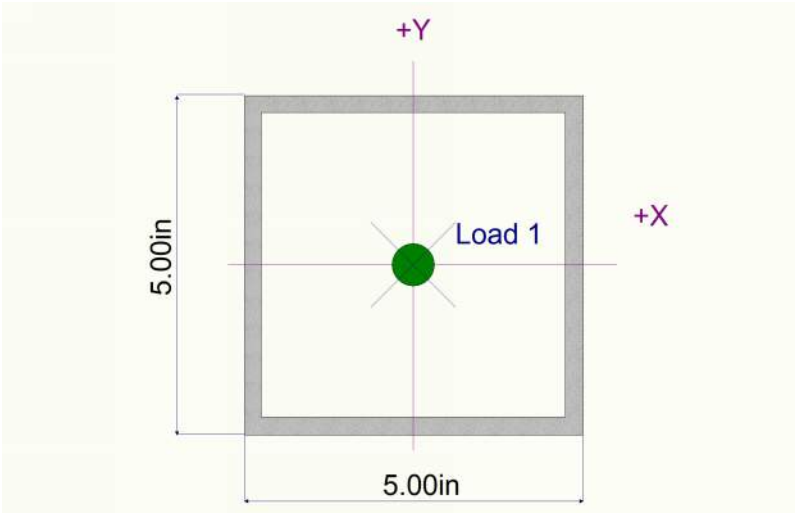
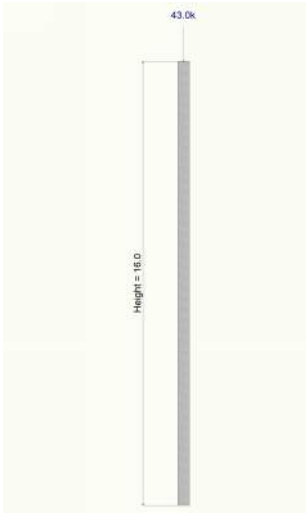
Steel Column

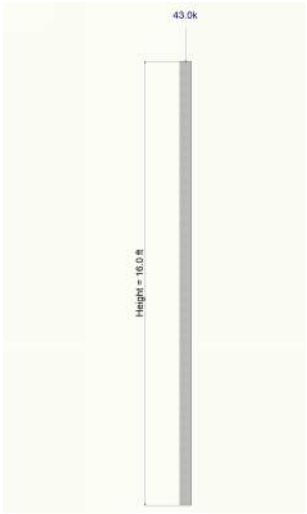
Project File: 2220785.ec6

DESCRIPTION: Interior Column

Sketches







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Engineer: ADM
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Project Descr: Tenant Improvements to Existing Mall Building

Steel Column

Project File: 2220785.ec6

DESCRIPTION: Exterior Column

Code References

Calculations per AISC 360-16, IBC 2018, CBC 2019, ASCE 7-16
Load Combinations Used : IBC 2018

General Information

Steel Section Name : **HSS6x6x3/8**

Analysis Method :	Allowable Strength
Steel Stress Grade	
Fy : Steel Yield	46.0 ksi
E : Elastic Bending Modulus	29,000.0 ksi

Overall Column Height 16.0 ft
Top & Bottom Fixity Top & Bottom Pinned
Brace condition for deflection (buckling) along columns :
X-X (width) axis :
Unbraced Length for buckling ABOUT Y-Y Axis = 16.0 ft, K = 1.0
Y-Y (depth) axis :
Unbraced Length for buckling ABOUT X-X Axis = 16.0 ft, K = 1.0

Applied Loads

Service loads entered. Load Factors will be applied for calculations.

Column self weight included : 439.680 lbs * Dead Load Factor
AXIAL LOADS . . .
Roof Load: Axial Load at 16.0 ft, D = 8.0, LR = 10.50, S = 13.0 k
BENDING LOADS . . .
Out-of-Plane Wall Load: Lat. Uniform Load creating Mx-x, E = 0.50 k/ft

DESIGN SUMMARY

Bending & Shear Check Results

PASS Max. Axial+Bending Stress Ratio = **0.3414** : 1

Load Combination	+D+0.70E	
Location of max.above base	8.054	ft
At maximum location values are . . .		
Pa : Axial	8.440	k
Pn / Omega : Allowabl	129.581	k
Ma-x : Applied	11.20	k-ft
Mn-x / Omega : Allowable	36.267	k-ft
Ma-y : Applied	0.0	k-ft
Mn-y / Omega : Allowable	36.267	k-ft

PASS Maximum Shear Stress Rati **0.04901** : 1

Load Combination	+D+0.70E	
Location of max.above base	0.0	ft
At maximum location values are . . .		
Va : Applied	2.80	k
Vn / Omega : Allowable	57.137	k

Maximum Load Reactions . .

Top along X-X	0.0 k
Bottom along X-X	0.0 k
Top along Y-Y	0.0 k
Bottom along Y-Y	0.0 k

Maximum Load Deflections . . .

Along Y-Y 0.0 in at 0.0 ft above base
for load combination :

Along X-X 0.0 in at 0.0 ft above base
for load combination :

Load Combination Results

Load Combination	Maximum Axial + Bending Stress Ratios: Stress Ratio	Status	Location	Cbx	Cby	KxLx/Ry	KyLy/Rx	Maximum Shear Ratios: Stress Ratio	Status	Location

Maximum Reactions

Note: Only non-zero reactions are listed.

Load Combination	Axial Reaction @ Base (k)	X-X Axis Reaction @ Base (k)	X-X Axis Reaction @ Top (k)	Y-Y Axis Reaction @ Base (k)	Y-Y Axis Reaction @ Top (k)	Mx - End Moments @ Base (k-ft)	Mx - End Moments @ Top (k-ft)	My - End Moments @ Base (k-ft)	My - End Moments @ Top (k-ft)
D Only	8.440								
+D+Lr	18.940								
+D+S	21.440								
+D+0.750Lr	16.315								
+D+0.750S	18.190								
+D+0.70E	8.440			2.800	2.800				
+D+0.750S+0.5250E	18.190			2.100	2.100				
+0.60D	5.064								
+0.60D+0.70E	5.064			2.800	2.800				
Lr Only	10.500								
S Only	13.000								
E Only				4.000	4.000				

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Steel Column

Project File: 2220785.ec6

DESCRIPTION: Exterior Column

Extreme Reactions

Item	Extreme Value	Axial Reaction @ Base	X-X Axis Reaction @ Base	@ Top	k	Y-Y Axis Reaction @ Base	@ Top	Mx - End Moments @ Base	@ Top	k-ft	My - End Moments @ Base	@ Top
Axial @ Base	Maximum	21.440										
"	Minimum					4.000	4.000					
Reaction, X-X Axis Base	Maximum	8.440										
"	Minimum	8.440										
Reaction, Y-Y Axis Base	Maximum					4.000	4.000					
"	Minimum	8.440										
Reaction, X-X Axis Top	Maximum	8.440										
"	Minimum	8.440										
Reaction, Y-Y Axis Top	Maximum	8.440										
"	Minimum	8.440										
Moment, X-X Axis Base	Maximum	8.440										
"	Minimum	8.440										
Moment, Y-Y Axis Base	Maximum	8.440										
"	Minimum	8.440										
Moment, X-X Axis Top	Maximum	8.440										
"	Minimum	8.440										
Moment, Y-Y Axis Top	Maximum	8.440										
"	Minimum	8.440										

Maximum Deflections for Load Combinations

Load Combination	Max. X-X Deflection	Distance	Max. Y-Y Deflection	Distance
D Only	0.0000 in	0.000 ft	0.000 in	0.000 ft
+D+Lr	0.0000 in	0.000 ft	0.000 in	0.000 ft
+D+S	0.0000 in	0.000 ft	0.000 in	0.000 ft
+D+0.750Lr	0.0000 in	0.000 ft	0.000 in	0.000 ft
+D+0.750S	0.0000 in	0.000 ft	0.000 in	0.000 ft
+D+0.70E	0.0000 in	0.000 ft	0.455 in	8.054 ft
+D+0.750S+0.5250E	0.0000 in	0.000 ft	0.342 in	8.054 ft
+0.60D	0.0000 in	0.000 ft	0.000 in	0.000 ft
+0.60D+0.70E	0.0000 in	0.000 ft	0.455 in	8.054 ft
Lr Only	0.0000 in	0.000 ft	0.000 in	0.000 ft
S Only	0.0000 in	0.000 ft	0.000 in	0.000 ft

Steel Section Properties : HSS6x6x3/8

Depth	=	6.000 in	I xx	=	39.50 in^4	J	=	64.600 in^4
Design Thick	=	0.349 in	S xx	=	13.20 in^3			
Width	=	6.000 in	R xx	=	2.280 in			
Wall Thick	=	0.375 in	Zx	=	15.800 in^3			
Area	=	7.580 in^2	I yy	=	39.500 in^4	C	=	22.100 in^3
Weight	=	27.480 plf	S yy	=	13.200 in^3			
			R yy	=	2.280 in			
Ycg	=	0.000 in						

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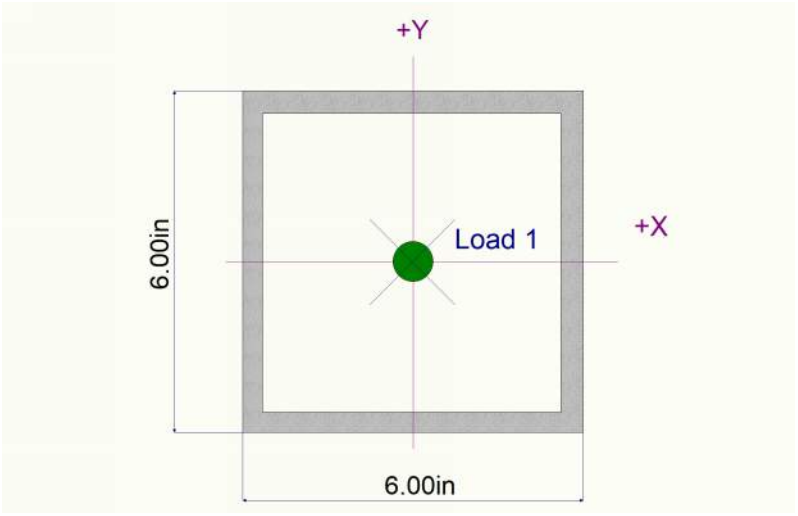
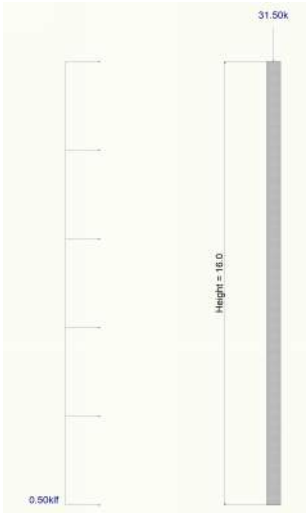
Steel Column

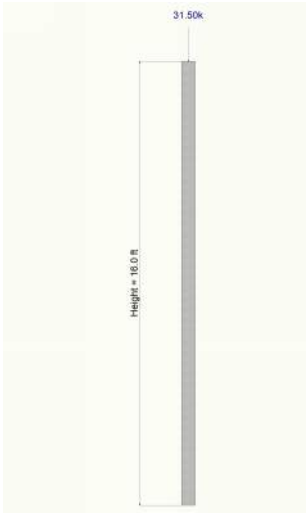
Project File: 2220785.ec6

DESCRIPTION: Exterior Column

Sketches







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Project Title: Goldfish Swim School
Engineer: ADM
Project ID: 2220785.20
Project Descr: Tenant Improvements to Existing Mall Building

General Footing

Project File: 2220785.ec6

DESCRIPTION: Interior Footing

Code References

Calculations per ACI 318-14, IBC 2018, CBC 2019, ASCE 7-16
Load Combinations Used : IBC 2018

General Information

Material Properties

f'c : Concrete 28 day strength	=	3.0	ksi
fy : Rebar Yield	=	60.0	ksi
Ec : Concrete Elastic Modulus	=	3,122.0	ksi
Concrete Density	=	145.0	pcf
φ Values Flexure	=	0.90	
Shear	=	0.750	

Analysis Settings

Min Steel % Bending Reinf.	=	
Min Allow % Temp Reinf.	=	0.00180
Min. Overturning Safety Factor	=	1.0 : 1
Min. Sliding Safety Factor	=	1.0 : 1
Add Ftg Wt for Soil Pressure	:	Yes
Use ftg wt for stability, moments & shears	:	Yes
Add Pedestal Wt for Soil Pressure	:	No
Use Pedestal wt for stability, mom & shear	:	No

Soil Design Values

Allowable Soil Bearing	=	3.0	ksf
Soil Density	=	110.0	pcf
Increase Bearing By Footing Weight	=	No	
Soil Passive Resistance (for Sliding)	=	250.0	pcf
Soil/Concrete Friction Coeff.	=	0.30	

Increases based on footing Depth

Footing base depth below soil surface	=	ft
Allow press. increase per foot of depth	=	ksf
when footing base is below	=	ft

Increases based on footing plan dimension

Allowable pressure increase per foot of depth	=	ksf
when max. length or width is greater than	=	ft

Dimensions

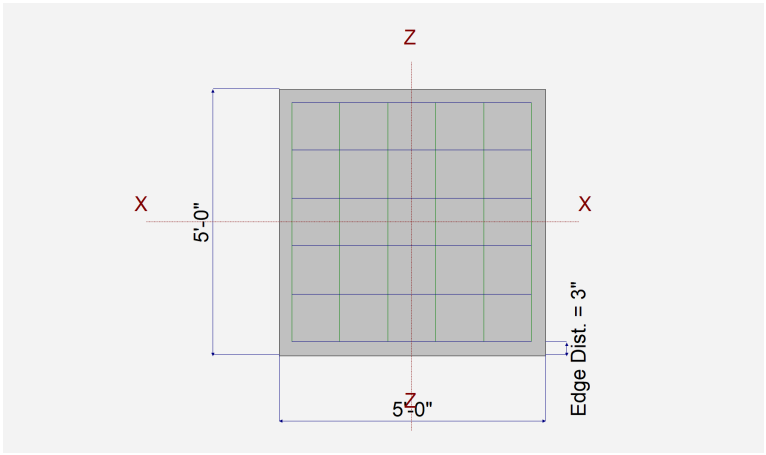
Width parallel to X-X Axis	=	5.0 ft
Length parallel to Z-Z Axis	=	5.0 ft
Footing Thickness	=	12.0 in

Pedestal dimensions...

px : parallel to X-X Axis	=	in
pz : parallel to Z-Z Axis	=	in
Height	=	in

Rebar Centerline to Edge of Concrete...

at Bottom of footing	=	3.0 in



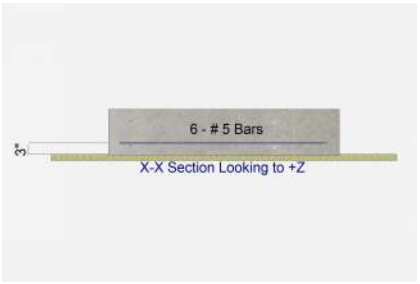
Reinforcing

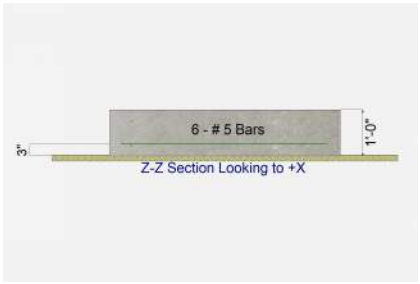
Bars parallel to X-X Axis			
Number of Bars	=		6.0
Reinforcing Bar Size	=	#	5
Bars parallel to Z-Z Axis			
Number of Bars	=		6.0
Reinforcing Bar Size	=	#	5

Bandwidth Distribution Check (ACI 15.4.4.2)

Direction Requiring Closer Separation n/a

# Bars required within zone	n/a
# Bars required on each side of zone	n/a





Applied Loads

		D	Lr	L	S	W	E	H	
P : Column Load	=	15.10	13.50		16.90				k
OB : Overburden	=								ksf
M-xx	=								k-ft
M-zz	=								k-ft
V-x	=								k
V-z	=								k

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General Footing

Project File: 2220785.ec6

DESCRIPTION: Interior Footing

DESIGN SUMMARY

Design OK

	Min. Ratio	Item	Applied	Capacity	Governing Load Combination
PASS	0.4750	Soil Bearing	1.425 ksf	3.0 ksf	+D+S
PASS	n/a	Overturning - X-X	0.0 k-ft	0.0 k-ft	No Overturning
PASS	n/a	Overturning - Z-Z	0.0 k-ft	0.0 k-ft	No Overturning
PASS	n/a	Sliding - X-X	0.0 k	0.0 k	No Sliding
PASS	n/a	Sliding - Z-Z	0.0 k	0.0 k	No Sliding
PASS	n/a	Uplift	0.0 k	0.0 k	No Uplift
PASS	0.4281	Z Flexure (+X)	6.189 k-ft/ft	14.455 k-ft/ft	+1.20D+1.60S
PASS	0.4281	Z Flexure (-X)	6.189 k-ft/ft	14.455 k-ft/ft	+1.20D+1.60S
PASS	0.4281	X Flexure (+Z)	6.189 k-ft/ft	14.455 k-ft/ft	+1.20D+1.60S
PASS	0.4281	X Flexure (-Z)	6.189 k-ft/ft	14.455 k-ft/ft	+1.20D+1.60S
PASS	0.3906	1-way Shear (+X)	32.090 psi	82.158 psi	+1.20D+1.60S
PASS	0.3906	1-way Shear (-X)	32.090 psi	82.158 psi	+1.20D+1.60S
PASS	0.3906	1-way Shear (+Z)	32.090 psi	82.158 psi	+1.20D+1.60S
PASS	0.3906	1-way Shear (-Z)	32.090 psi	82.158 psi	+1.20D+1.60S
PASS	0.9090	2-way Punching	149.370 psi	164.317 psi	+1.20D+1.60S

Detailed Results

Soil Bearing

Rotation Axis & Load Combination...	Gross Allowable	Xecc (in)	Zecc (in)	Actual Soil Bearing Stress @ Location: Bottom Left	Top Left	Top Right	Bottom Right	Actual / Allow Ratio
, D Only								0.000
, 0.0 deg CCW	3.0	0.0	0.0	0.7490	0.7490	0.7490	0.7490	0.250
, +D+Lr								0.000
, 0.0 deg CCW	3.0	0.0	0.0	1.289	1.289	1.289	1.289	0.430
, +D+S								0.000
, 0.0 deg CCW	3.0	0.0	0.0	1.425	1.425	1.425	1.425	0.475
, +D+0.750Lr								0.000
, 0.0 deg CCW	3.0	0.0	0.0	1.154	1.154	1.154	1.154	0.385
, +D+0.750S								0.000
, 0.0 deg CCW	3.0	0.0	0.0	1.256	1.256	1.256	1.256	0.419
, +0.60D								0.000
, 0.0 deg CCW	3.0	0.0	0.0	0.4494	0.4494	0.4494	0.4494	0.150

Overturning Stability

Rotation Axis & Load Combination...	Overturning Moment	Resisting Moment	Stability Ratio	Status
Footing Has NO Overturning				

All units k

Sliding Stability

Force Application Axis Load Combination...	Sliding Force	Resisting Force	Stability Ratio	Status
Footing Has NO Sliding				

Footing Flexure

Flexure Axis & Load Combination	Mu k-ft	Side	Tension Surface	As Req'd in^2	Gvrn. As in^2	Actual As in^2	Phi*Mn k-ft	Status
X-X, +1.40D	3.277	+Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.40D	3.277	-Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.20D+0.50Lr	3.653	+Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.20D+0.50Lr	3.653	-Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.20D+0.50S	3.865	+Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.20D+0.50S	3.865	-Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.20D+1.60Lr	5.509	+Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.20D+1.60Lr	5.509	-Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.20D+1.60S	6.189	+Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.20D+1.60S	6.189	-Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.20D+0.70S	4.288	+Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +1.20D+0.70S	4.288	-Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
X-X, +0.90D	2.107	+Z	Bottom	0.2592	AsMin	0.3720	14.455	OK

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General Footing

Project File: 2220785.ec6

DESCRIPTION: Interior Footing

Footing Flexure

Flexure Axis & Load Combination	Mu k-ft	Side	Tension Surface	As Req'd in^2	Gvrn. As in^2	Actual As in^2	Phi*Mn k-ft	Status
X-X, +0.90D	2.107	-Z	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.40D	3.277	-X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.40D	3.277	+X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.20D+0.50Lr	3.653	-X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.20D+0.50Lr	3.653	+X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.20D+0.50S	3.865	-X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.20D+0.50S	3.865	+X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.20D+1.60Lr	5.509	-X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.20D+1.60Lr	5.509	+X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.20D+1.60S	6.189	-X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.20D+1.60S	6.189	+X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.20D+0.70S	4.288	-X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +1.20D+0.70S	4.288	+X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +0.90D	2.107	-X	Bottom	0.2592	AsMin	0.3720	14.455	OK
Z-Z, +0.90D	2.107	+X	Bottom	0.2592	AsMin	0.3720	14.455	OK

One Way Shear

Load Combination...	Vu @ -X	Vu @ +X	Vu @ -Z	Vu @ +Z	Vu:Max	Phi Vn	Vu / Phi*Vn	Status
+1.40D	16.99 psi	16.99 psi	16.99 psi	16.99 psi	16.99 psi	82.16 psi	0.21	OK
+1.20D+0.50Lr	18.94 psi	18.94 psi	18.94 psi	18.94 psi	18.94 psi	82.16 psi	0.23	OK
+1.20D+0.50S	20.04 psi	20.04 psi	20.04 psi	20.04 psi	20.04 psi	82.16 psi	0.24	OK
+1.20D+1.60Lr	28.56 psi	28.56 psi	28.56 psi	28.56 psi	28.56 psi	82.16 psi	0.35	OK
+1.20D+1.60S	32.09 psi	32.09 psi	32.09 psi	32.09 psi	32.09 psi	82.16 psi	0.39	OK
+1.20D+0.70S	22.23 psi	22.23 psi	22.23 psi	22.23 psi	22.23 psi	82.16 psi	0.27	OK
+0.90D	10.92 psi	10.92 psi	10.92 psi	10.92 psi	10.92 psi	82.16 psi	0.13	OK

Two-Way "Punching" Shear

All units k

Load Combination...	Vu	Phi*Vn	Vu / Phi*Vn	Status
+1.40D	79.09 psi	164.32 psi	0.4813	OK
+1.20D+0.50Lr	88.16 psi	164.32 psi	0.5365	OK
+1.20D+0.50S	93.29 psi	164.32 psi	0.5677	OK
+1.20D+1.60Lr	132.96 psi	164.32 psi	0.8092	OK
+1.20D+1.60S	149.37 psi	164.32 psi	0.909	OK
+1.20D+0.70S	103.48 psi	164.32 psi	0.6298	OK
+0.90D	50.84 psi	164.32 psi	0.3094	OK

AHBL Engineers
2215 North 30th Street
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253.383.2422

Project Title: Goldfish Swim School
Engineer: ADM
Project ID: 2220785.20
Project Descr: Tenant Improvements to Existing Mall Building

General Footing

Project File: 2220785.ec6

DESCRIPTION: Exterior Footing

Code References

Calculations per ACI 318-14, IBC 2018, CBC 2019, ASCE 7-16
Load Combinations Used : IBC 2018

General Information

Material Properties

f'c : Concrete 28 day strength	=	3.0	ksi
fy : Rebar Yield	=	60.0	ksi
Ec : Concrete Elastic Modulus	=	3,122.0	ksi
Concrete Density	=	145.0	pcf
φ Values Flexure	=	0.90	
Shear	=	0.750	

Analysis Settings

Min Steel % Bending Reinf.	=	
Min Allow % Temp Reinf.	=	0.00180
Min. Overturning Safety Factor	=	1.0 : 1
Min. Sliding Safety Factor	=	1.0 : 1
Add Ftg Wt for Soil Pressure	:	Yes
Use ftg wt for stability, moments & shears	:	Yes
Add Pedestal Wt for Soil Pressure	:	No
Use Pedestal wt for stability, mom & shear	:	No

Soil Design Values

Allowable Soil Bearing	=	3.0	ksf
Soil Density	=	110.0	pcf
Increase Bearing By Footing Weight	=	No	
Soil Passive Resistance (for Sliding)	=	250.0	pcf
Soil/Concrete Friction Coeff.	=	0.30	

Increases based on footing Depth

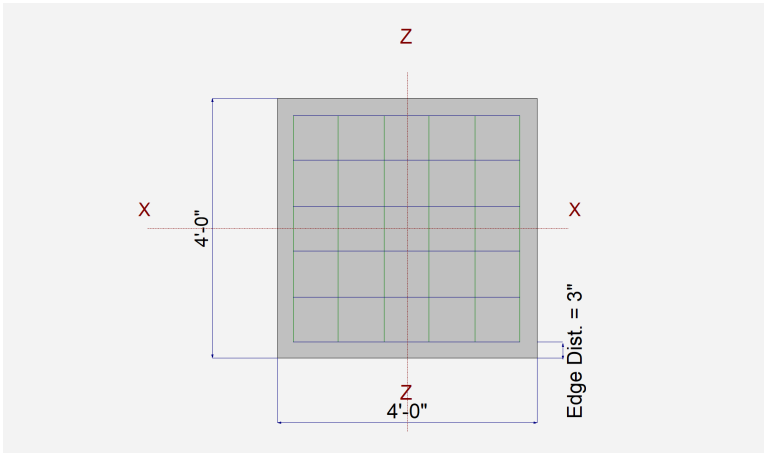
Footing base depth below soil surface	=	ft
Allow press. increase per foot of depth	=	ksf
when footing base is below	=	ft

Increases based on footing plan dimension

Allowable pressure increase per foot of depth	=	ksf
when max. length or width is greater than	=	ft

Dimensions

Width parallel to X-X Axis	=	4.0 ft
Length parallel to Z-Z Axis	=	4.0 ft
Footing Thickness	=	12.0 in
Load location offset from footing center...		
ex : Prll to X-X Axis	=	4.375 in
ez : Prll to Z-Z Axis	=	0 in
Pedestal dimensions...		
px : parallel to X-X Axis	=	in
pz : parallel to Z-Z Axis	=	in
Height	=	in
Rebar Centerline to Edge of Concrete...		
at Bottom of footing	=	3.0 in



Reinforcing

Bars parallel to X-X Axis			
Number of Bars	=		6.0
Reinforcing Bar Size	=	#	5
Bars parallel to Z-Z Axis			
Number of Bars	=		6.0
Reinforcing Bar Size	=	#	5

Bandwidth Distribution Check (ACI 15.4.4.2)

Direction Requiring Closer Separation n/a
Bars required within zone n/a
Bars required on each side of zone n/a

Applied Loads

		D	Lr	L	S	W	E	H	
P : Column Load	=	11.0	9.50		11.90				k
OB : Overburden	=								ksf
M-xx	=								k-ft
M-zz	=								k-ft
V-x	=								k
V-z	=								k

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Project File: 2220785.ec6

LIC# : KW-06014847, Build:20.22.8.17 AHBL, INC (c) ENERCALC INC 1983-2022

DESCRIPTION: Exterior Footing

DESIGN SUMMARY

Design OK

	Min. Ratio	Item	Applied	Capacity	Governing Load Combination
PASS	0.7837	Soil Bearing	2.351 ksf	3.0 ksf	+D+S
PASS	n/a	Overturning - X-X	0.0 k-ft	0.0 k-ft	No Overturning
PASS	n/a	Overturning - Z-Z	0.0 k-ft	0.0 k-ft	No Overturning
PASS	n/a	Sliding - X-X	0.0 k	0.0 k	No Sliding
PASS	n/a	Sliding - Z-Z	0.0 k	0.0 k	No Sliding
PASS	n/a	Uplift	0.0 k	0.0 k	No Uplift
PASS	0.2237	Z Flexure (+X)	3.999 k-ft/ft	17.879 k-ft/ft	+1.20D+1.60S
PASS	0.2379	Z Flexure (-X)	4.253 k-ft/ft	17.879 k-ft/ft	+1.20D+1.60S
PASS	0.2449	X Flexure (+Z)	4.378 k-ft/ft	17.879 k-ft/ft	+1.20D+1.60S
PASS	0.2449	X Flexure (-Z)	4.378 k-ft/ft	17.879 k-ft/ft	+1.20D+1.60S
PASS	0.3023	1-way Shear (+X)	24.840 psi	82.158 psi	+1.20D+1.60S
PASS	0.2755	1-way Shear (-X)	22.634 psi	82.158 psi	+1.20D+1.60S
PASS	0.3059	1-way Shear (+Z)	25.133 psi	82.158 psi	+1.20D+1.60S
PASS	0.3059	1-way Shear (-Z)	25.133 psi	82.158 psi	+1.20D+1.60S
PASS	0.6346	2-way Punching	104.279 psi	164.317 psi	+1.20D+1.60S

Detailed Results

Soil Bearing

Rotation Axis & Load Combination...	Gross Allowable	Xecc (in)	Zecc (in)	Actual Soil Bearing Stress @ Location Bottom Left	Top Left	Top Right	Bottom Right	Actual / Allow Ratio
, D Only								0.000
, 0.0 deg CCW	3.0	3.613	0.0	0.4603	0.4603	1.205	1.205	0.402
, +D+Lr								0.000
, 0.0 deg CCW	3.0	3.930	0.0	0.7326	0.7326	2.120	2.120	0.707
, +D+S								0.000
, 0.0 deg CCW	3.0	3.973	0.0	0.8014	0.8014	2.351	2.351	0.784
, +D+0.750Lr								0.000
, 0.0 deg CCW	3.0	3.879	0.0	0.6645	0.6645	1.891	1.891	0.630
, +D+0.750S								0.000
, 0.0 deg CCW	3.0	3.919	0.0	0.7161	0.7161	2.065	2.065	0.688
, +0.60D								0.000
, 0.0 deg CCW	3.0	3.613	0.0	0.2762	0.2762	0.7228	0.7228	0.241

Overturning Stability

Rotation Axis & Load Combination...	Overturning Moment	Resisting Moment	Stability Ratio	Status
Footing Has NO Overturning				

All units k

Sliding Stability

Force Application Axis Load Combination...	Sliding Force	Resisting Force	Stability Ratio	Status
Footing Has NO Sliding				

Footing Flexure

Flexure Axis & Load Combination	Mu k-ft	Side	Tension Surface	As Req'd in^2	Gvrn. As in^2	Actual As in^2	Phi*Mn k-ft	Status
X-X, +1.40D	2.331	+Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.40D	2.331	-Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.20D+0.50Lr	2.592	+Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.20D+0.50Lr	2.592	-Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.20D+0.50S	2.742	+Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.20D+0.50S	2.742	-Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.20D+1.60Lr	3.898	+Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.20D+1.60Lr	3.898	-Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.20D+1.60S	4.378	+Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.20D+1.60S	4.378	-Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.20D+0.70S	3.039	+Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +1.20D+0.70S	3.039	-Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
X-X, +0.90D	1.499	+Z	Bottom	0.2592	AsMin	0.4650	17.879	OK

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General Footing

Project File: 2220785.ec6

DESCRIPTION: Exterior Footing

Footing Flexure

Flexure Axis & Load Combination	Mu k-ft	Side	Tension Surface	As Req'd in^2	Gvrn. As in^2	Actual As in^2	Phi*Mn k-ft	Status
X-X, +0.90D	1.499	-Z	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.40D	2.367	-X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.40D	2.071	+X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.20D+0.50Lr	2.584	-X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.20D+0.50Lr	2.330	+X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.20D+0.50S	2.724	-X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.20D+0.50S	2.470	+X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.20D+1.60Lr	3.805	-X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.20D+1.60Lr	3.551	+X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.20D+1.60S	4.253	-X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.20D+1.60S	3.999	+X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.20D+0.70S	3.002	-X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +1.20D+0.70S	2.748	+X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +0.90D	1.522	-X	Bottom	0.2592	AsMin	0.4650	17.879	OK
Z-Z, +0.90D	1.331	+X	Bottom	0.2592	AsMin	0.4650	17.879	OK

One Way Shear

Load Combination...	Vu @ -X	Vu @ +X	Vu @ -Z	Vu @ +Z	Vu:Max	Phi Vn	Vu / Phi*Vn	Status
+1.40D	12.59 psi	12.84 psi	13.38 psi	13.38 psi	13.38 psi	82.16 psi	0.16	OK
+1.20D+0.50Lr	13.75 psi	14.46 psi	14.88 psi	14.88 psi	14.88 psi	82.16 psi	0.18	OK
+1.20D+0.50S	14.49 psi	15.33 psi	15.74 psi	15.74 psi	15.74 psi	82.16 psi	0.19	OK
+1.20D+1.60Lr	20.25 psi	22.05 psi	22.38 psi	22.38 psi	22.38 psi	82.16 psi	0.27	OK
+1.20D+1.60S	22.63 psi	24.84 psi	25.13 psi	25.13 psi	25.13 psi	82.16 psi	0.31	OK
+1.20D+0.70S	15.97 psi	17.06 psi	17.45 psi	17.45 psi	17.45 psi	82.16 psi	0.21	OK
+0.90D	8.09 psi	8.26 psi	8.60 psi	8.60 psi	8.60 psi	82.16 psi	0.10	OK

Two-Way "Punching" Shear

All units k

Load Combination...	Vu	Phi*Vn	Vu / Phi*Vn	Status
+1.40D	55.54 psi	164.32 psi	0.338	OK
+1.20D+0.50Lr	61.74 psi	164.32 psi	0.3758	OK
+1.20D+0.50S	65.32 psi	164.32 psi	0.3975	OK
+1.20D+1.60Lr	92.85 psi	164.32 psi	0.5651	OK
+1.20D+1.60S	104.28 psi	164.32 psi	0.6346	OK
+1.20D+0.70S	72.40 psi	164.32 psi	0.4406	OK
+0.90D	35.70 psi	164.32 psi	0.2173	OK

Model Settings

Solution
Members

Number of Reported Sections	5
Number of Internal Sections	100
Member Area Load Mesh Size (in^2)	9
Consider Shear Deformation	Yes
Consider Torsional Warping	Yes

Wall Panels

Approximate Mesh Size (in)	24
Transfer Forces Between Intersecting Wood Walls	Yes
Increase Wood Wall Nailing Capacity for Wind Loads	Yes
Include P-Delta for Walls	Yes
Optimize Masonry and Wood Walls	Yes
Maximum Number of Iterations	3

Processor Core Utilization

Single	No
Multiple (Optimum)	Yes
Maximum	No

Axis
Vertical Global Axis

Global Axis corresponding to vertical direction	Y
Convert Existing Data	Yes

Default Member Orientation

Default Global Plane for z-axis	XZ

Plate Axis

Plate Local Axis Orientation	Global

Codes

Hot Rolled Steel	AISC 15th (360-16): LRFD
Stiffness Adjustment	Yes (Iterative)
Notional Annex	None
Connections	AISC 15th (360-16): LRFD
Cold Formed Steel	AISI S100-16: LRFD
Stiffness Adjustment	Yes (Iterative)
Wood	AWC NDS-18: ASD
Temperature	< 100F
Concrete	ACI 318-19
Masonry	TMS 402-16: ASD
Aluminum	AA ADM1-15: ASD
Structure Type	Building
Stiffness Adjustment	Yes (Iterative)
Stainless	AISC 14th (360-10): ASD
Stiffness Adjustment	Yes (Iterative)

Concrete

Compression Stress Block	Rectangular Stress Block
Analyze using Cracked Sections	Yes
Leave room for horizontal rebar splices (2*d bar spacing)	No

Model Settings (Continued)

List forces which were ignored for design in the Detail Report	Yes

Rebar

Column Min Steel	1
Column Max Steel	8
Rebar Material Spec	ASTM A615
Warn if beam-column framing arrangement is not understood	No

Shear Reinforcement

Number of Shear Regions	4
Region 2 & 3 Spacing Increase Increment (in)	4

Seismic

RISA-3D Seismic Load Options

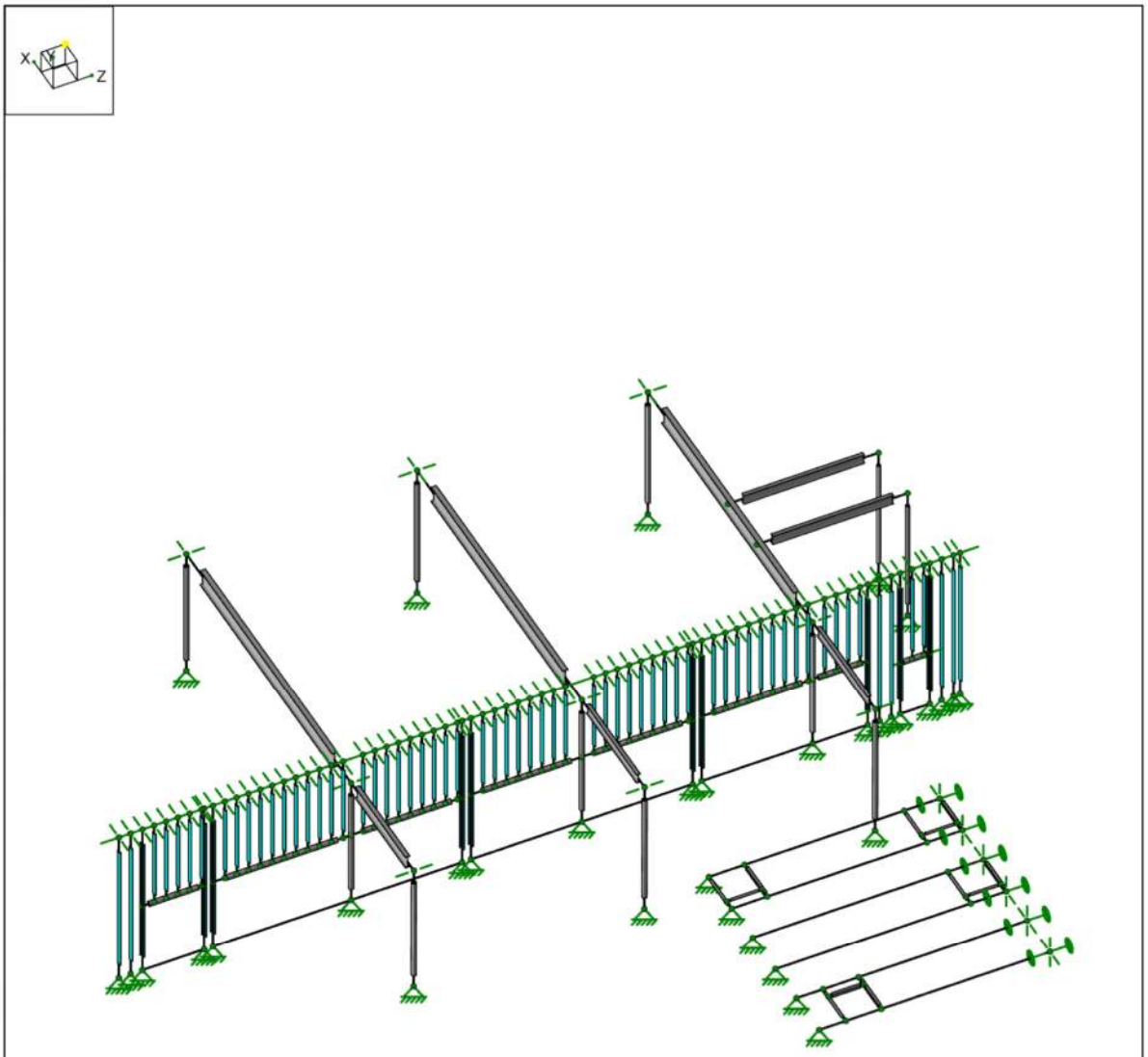
Code	ASCE 7-16
Risk Category	I or II
Drift Cat	Other
Base Elevation (ft)	
Include the weight of the structure in base shear calcs	Yes

Site Parameters

S_1 (g)	1
SD_1 (g)	1
SD_S (g)	1
T_L (sec)	5

Structure Characteristics

T Z (sec)	
T X (sec)	
C_tZ	0.02
C_tX	0.02
C_tExp. Z	0.75
C_tExp. X	0.75
R Z	3
R X	3
Ω_0Z	1
Ω_0X	1
C_dZ	4
C_dX	4
ρ Z	1
ρ X	1



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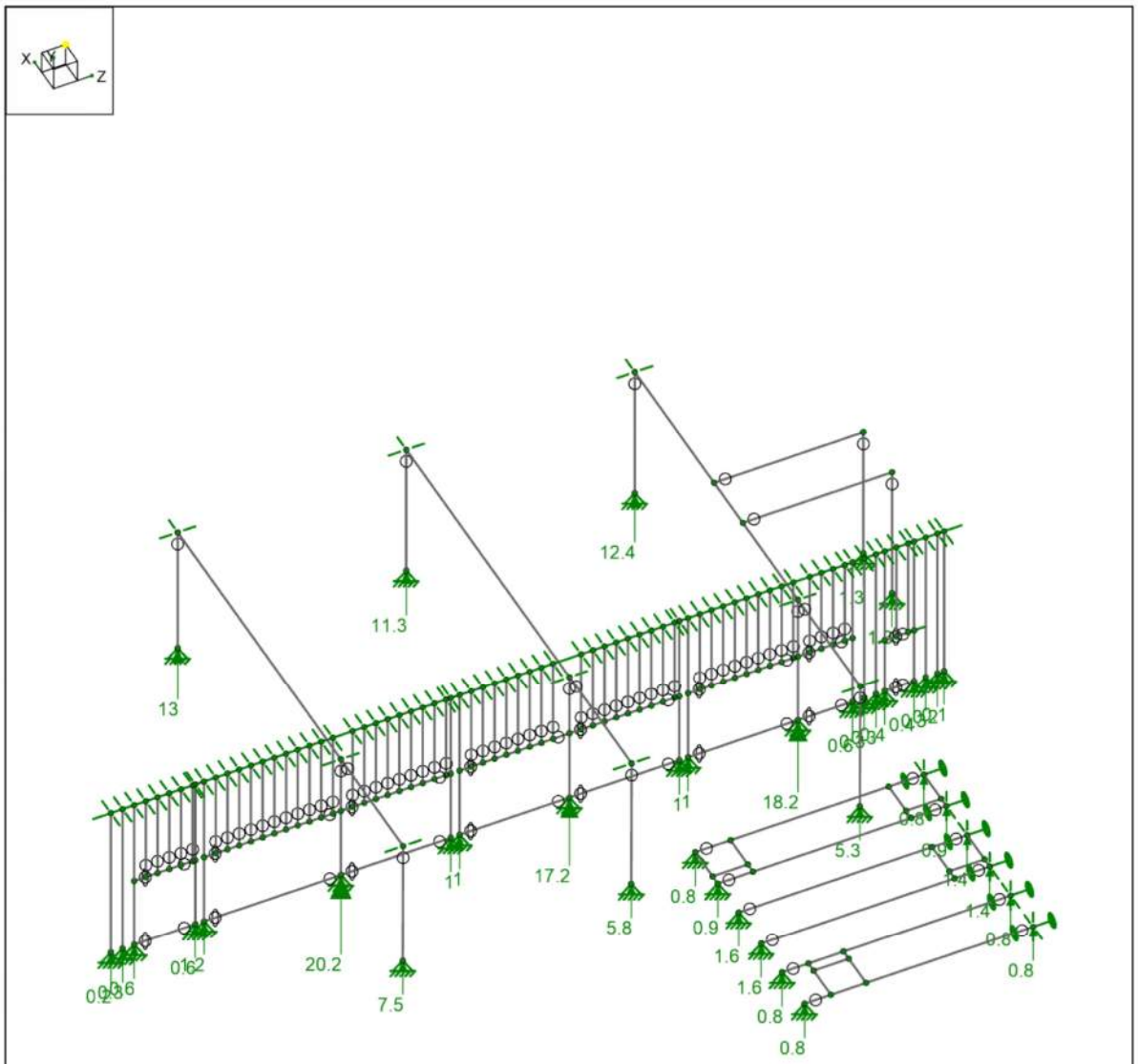
2220785		GOLDIFSH SWIMSCHOOL.r3d



Results for LC 4, Deflection 1 (DL ONLY)
Y-direction Reaction Units are kips and kip-ft

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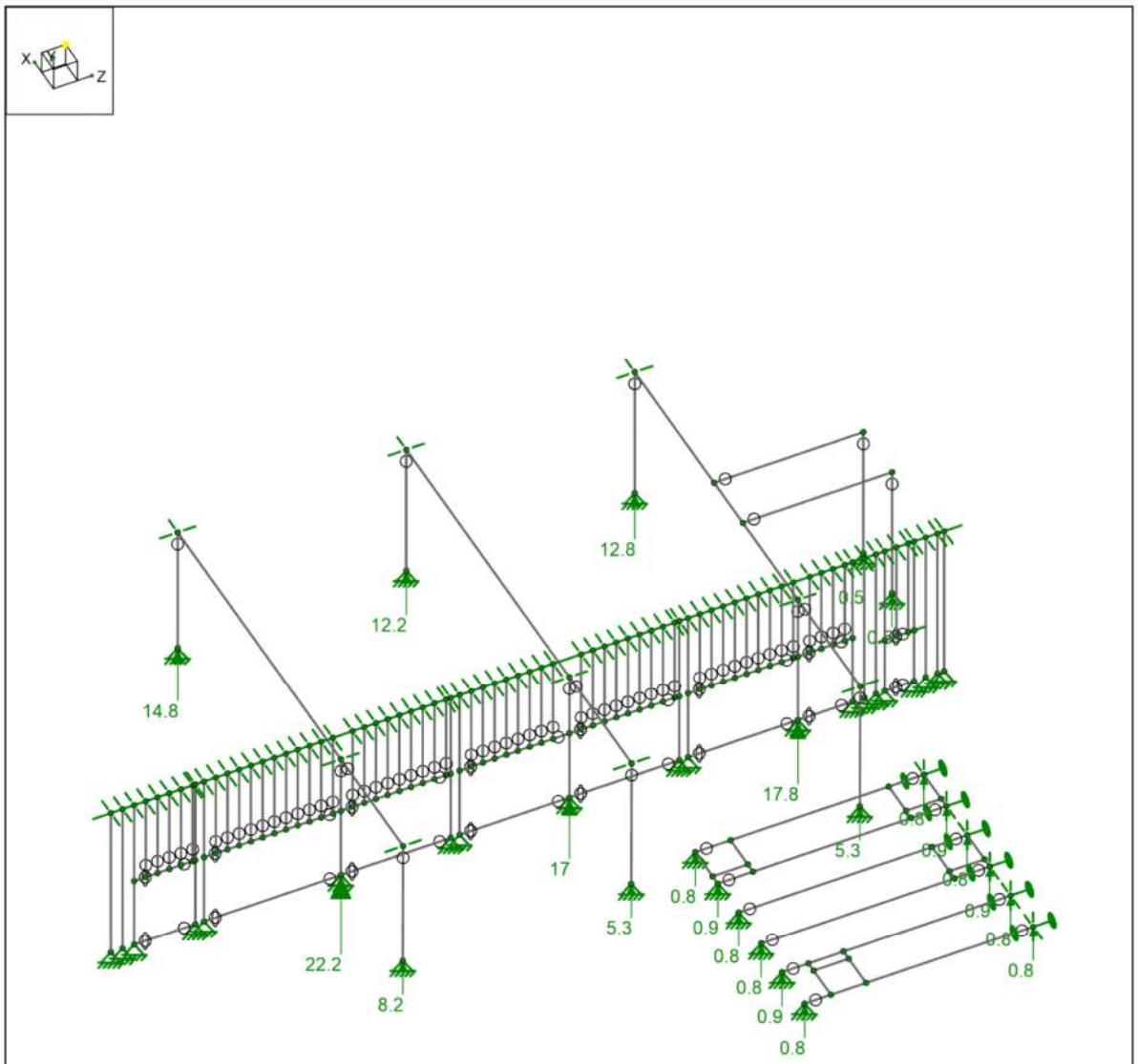
akoshman		Nov 16, 2022
2220785		GOLDIFSH SWIMSCHOOL.r3d



Results for LC 5, Deflection 2 (SL ONLY)
Y-direction Reaction Units are kips and kip-ft

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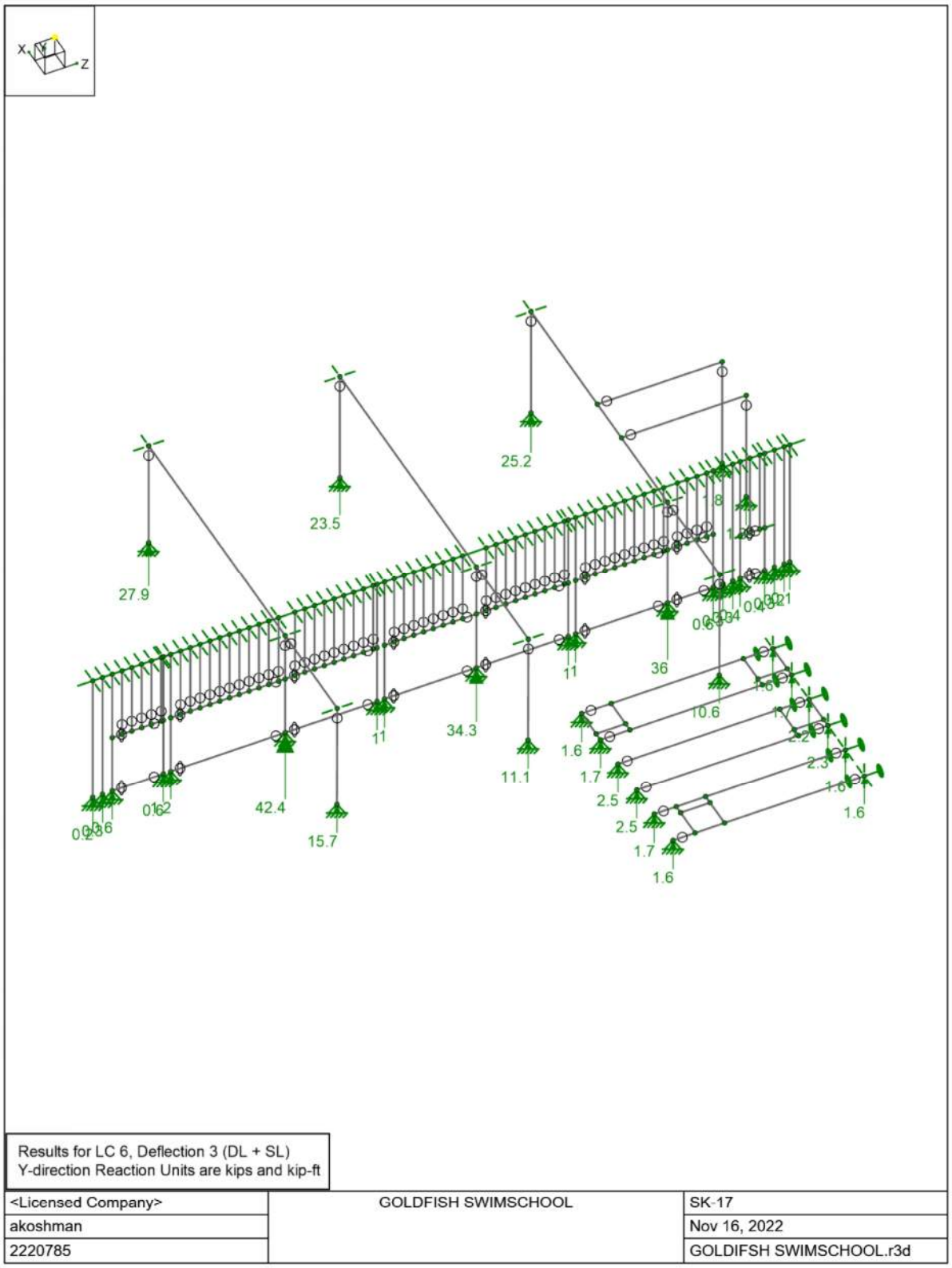

Results for LC 6, Deflection 3 (DL + SL)
Y-direction Reaction Units are kips and kip-ft

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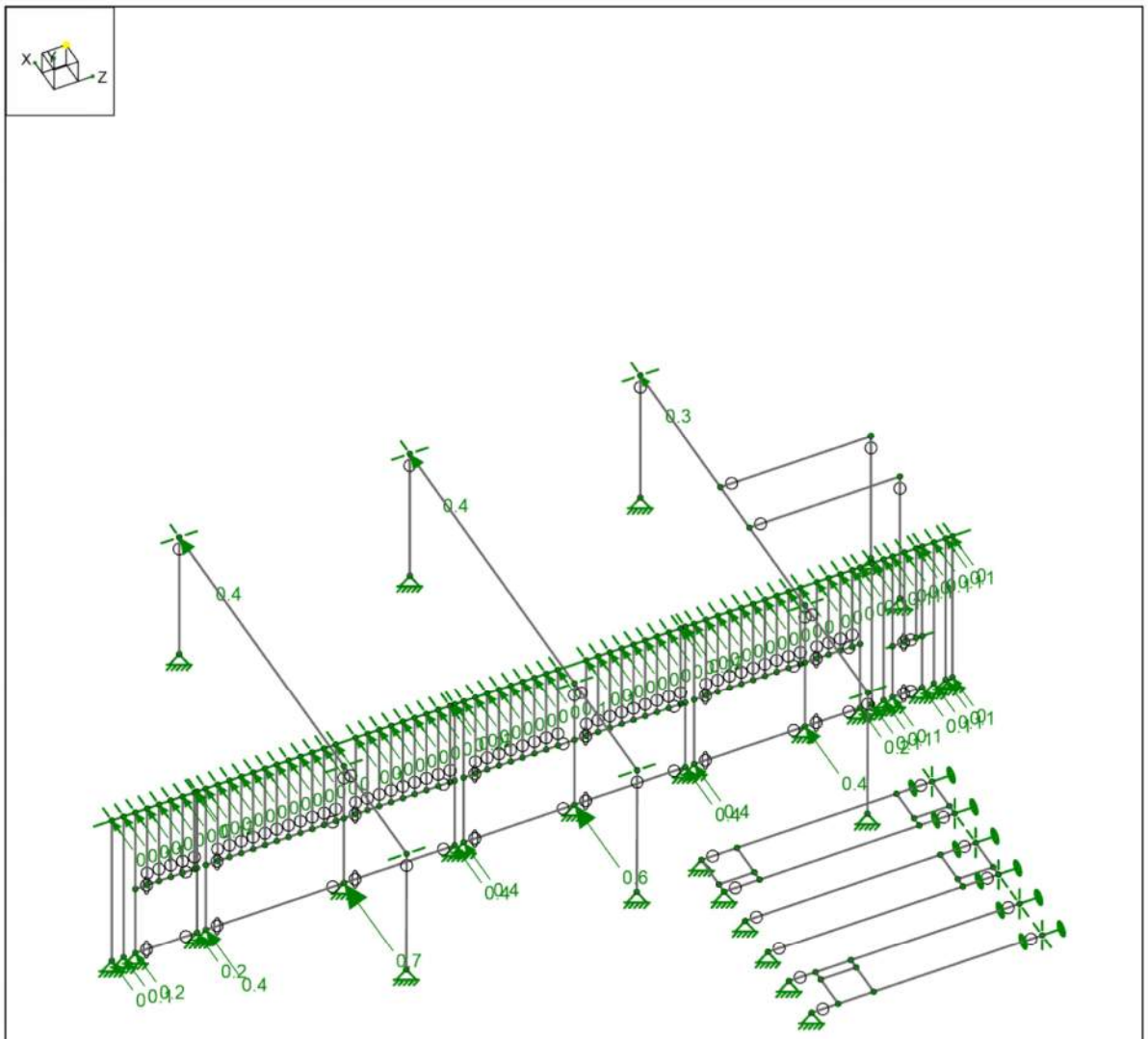

Results for LC 7, Deflection 4 (WL ONLY)
Reaction and Moment Units are kips and kip-ft

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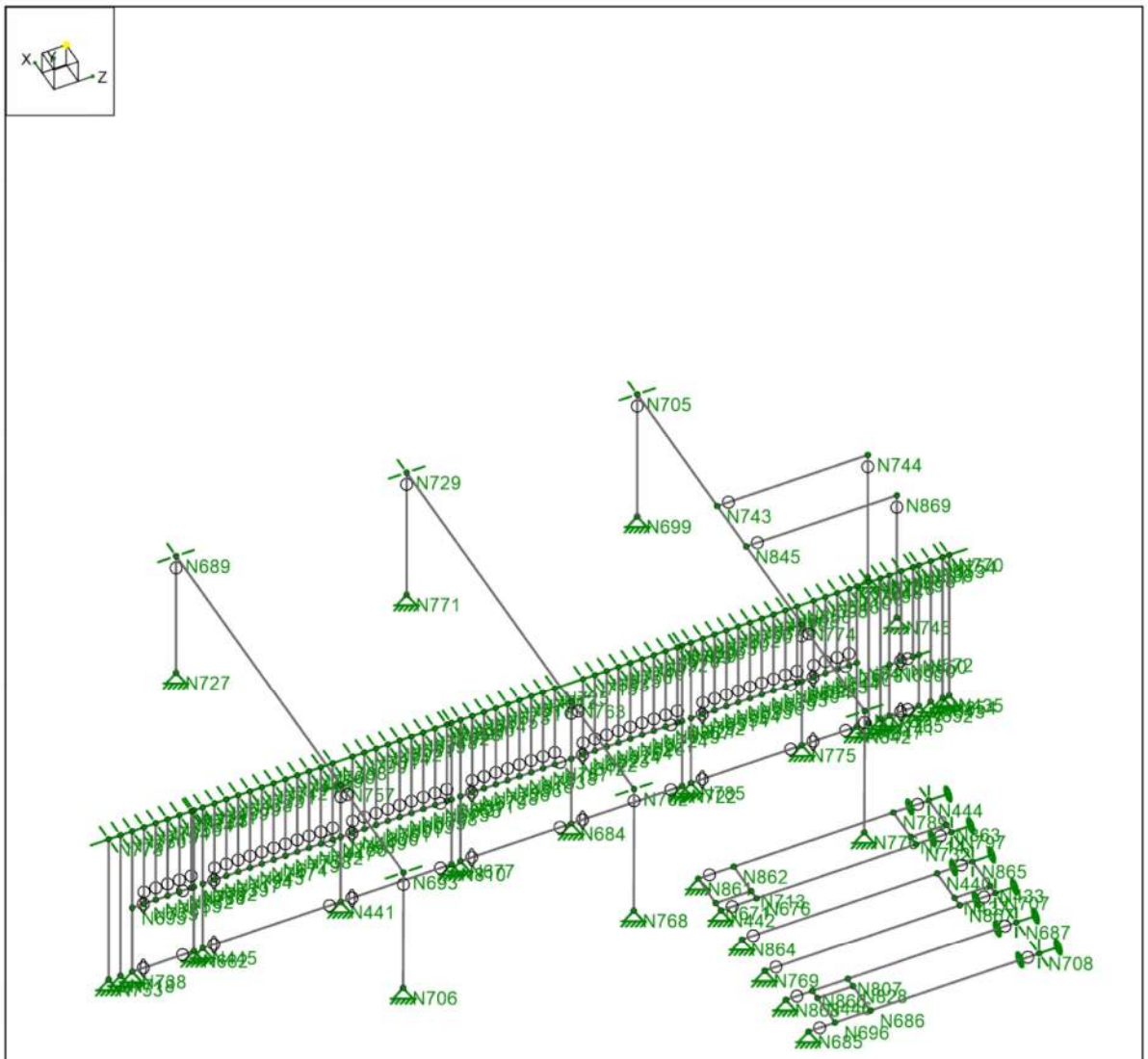

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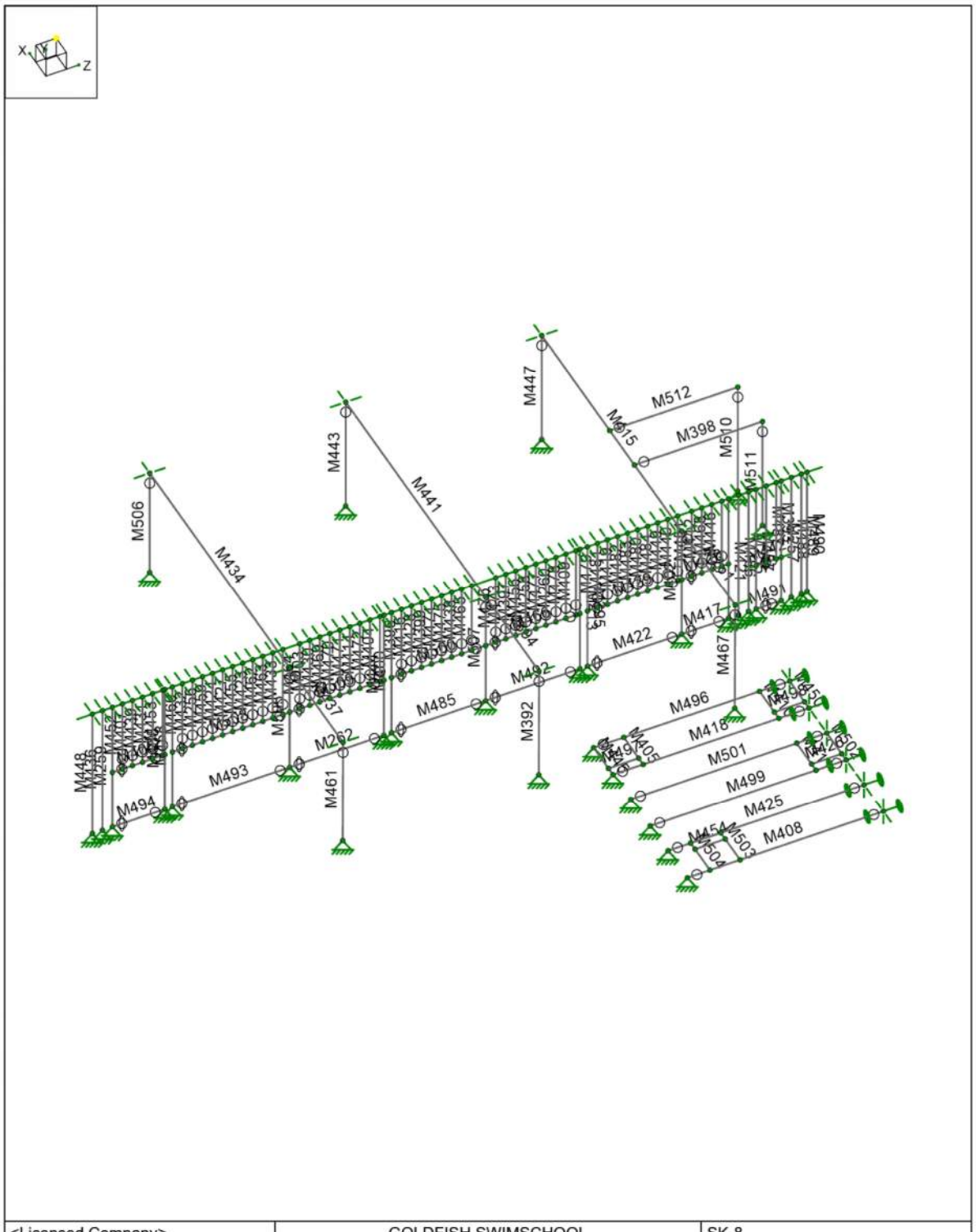

<Licensed Company>	GOLDFISH SWIMSCHOOL	SK-8
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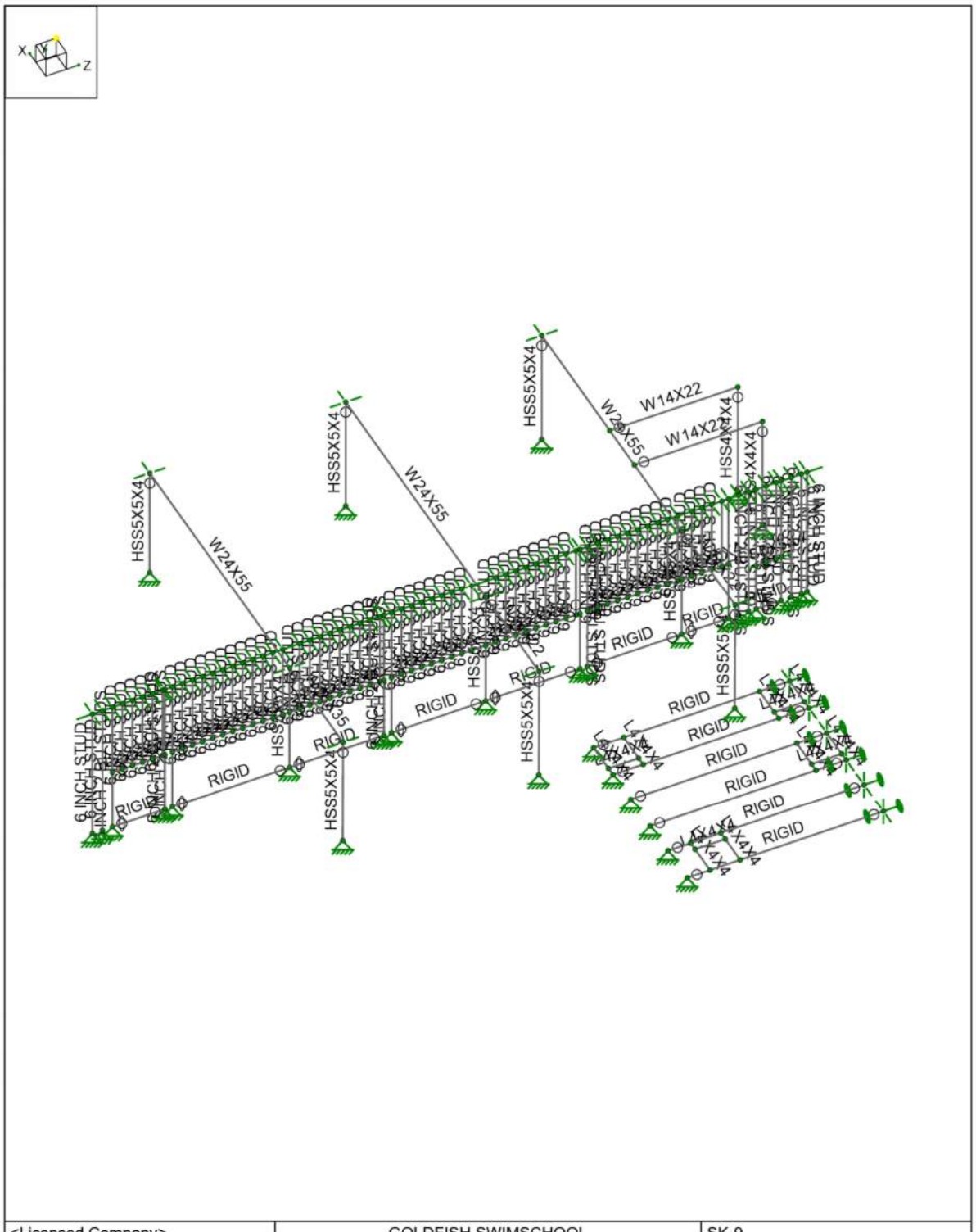

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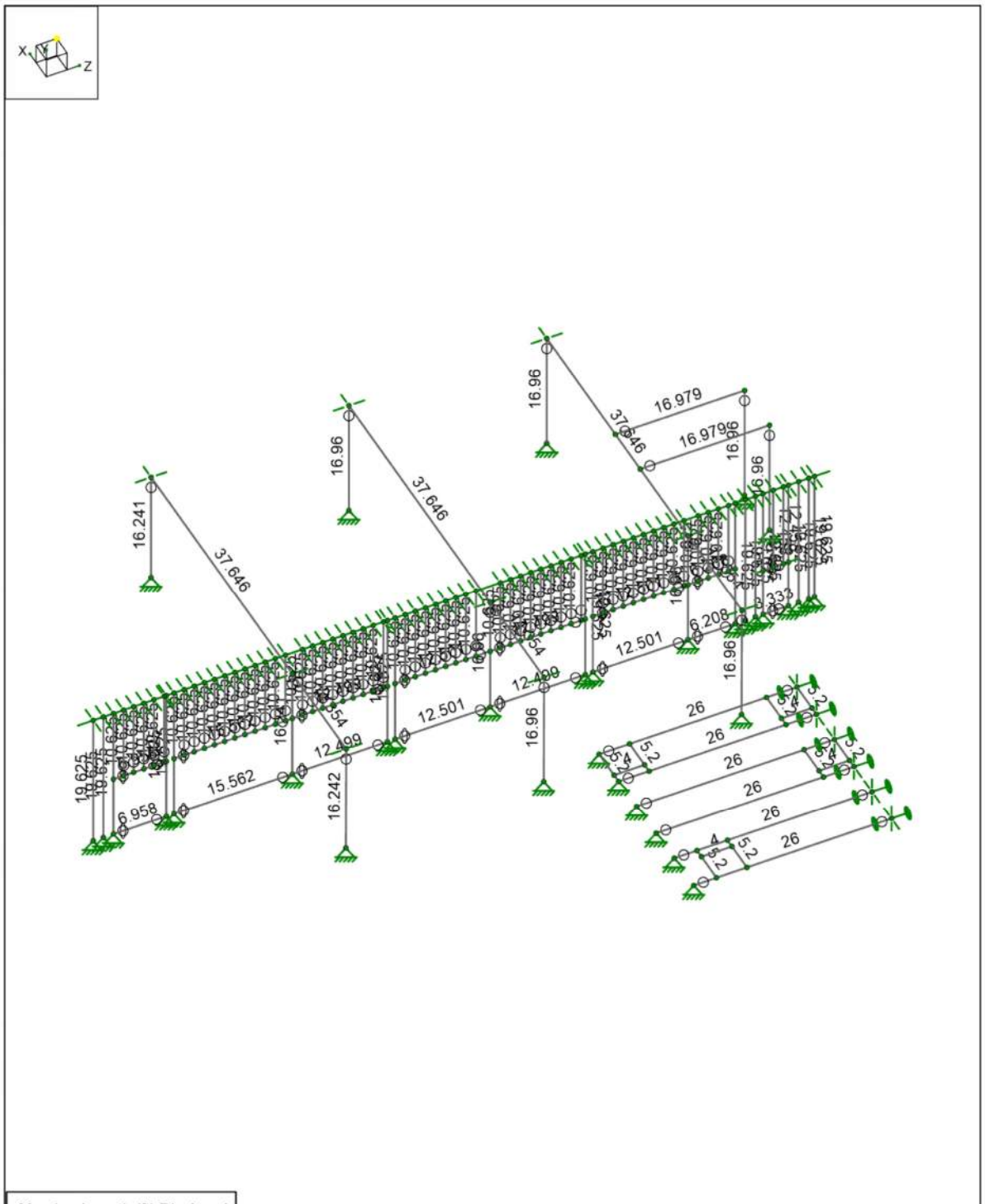

<Licensed Company>	GOLDFISH SWIMSCHOOL	SK-10
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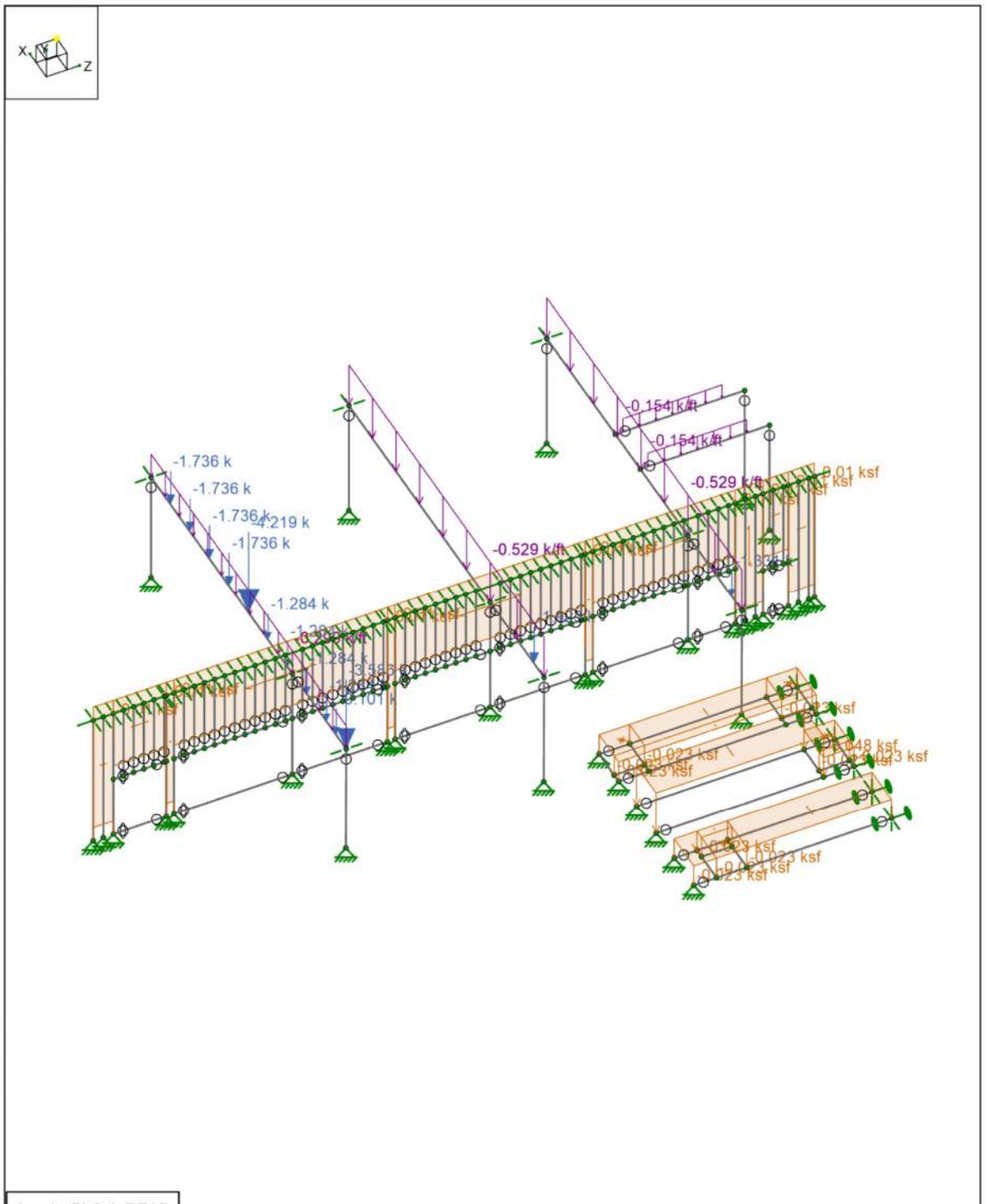
2220785		GOLDIFSH SWIMSCHOOL.r3d



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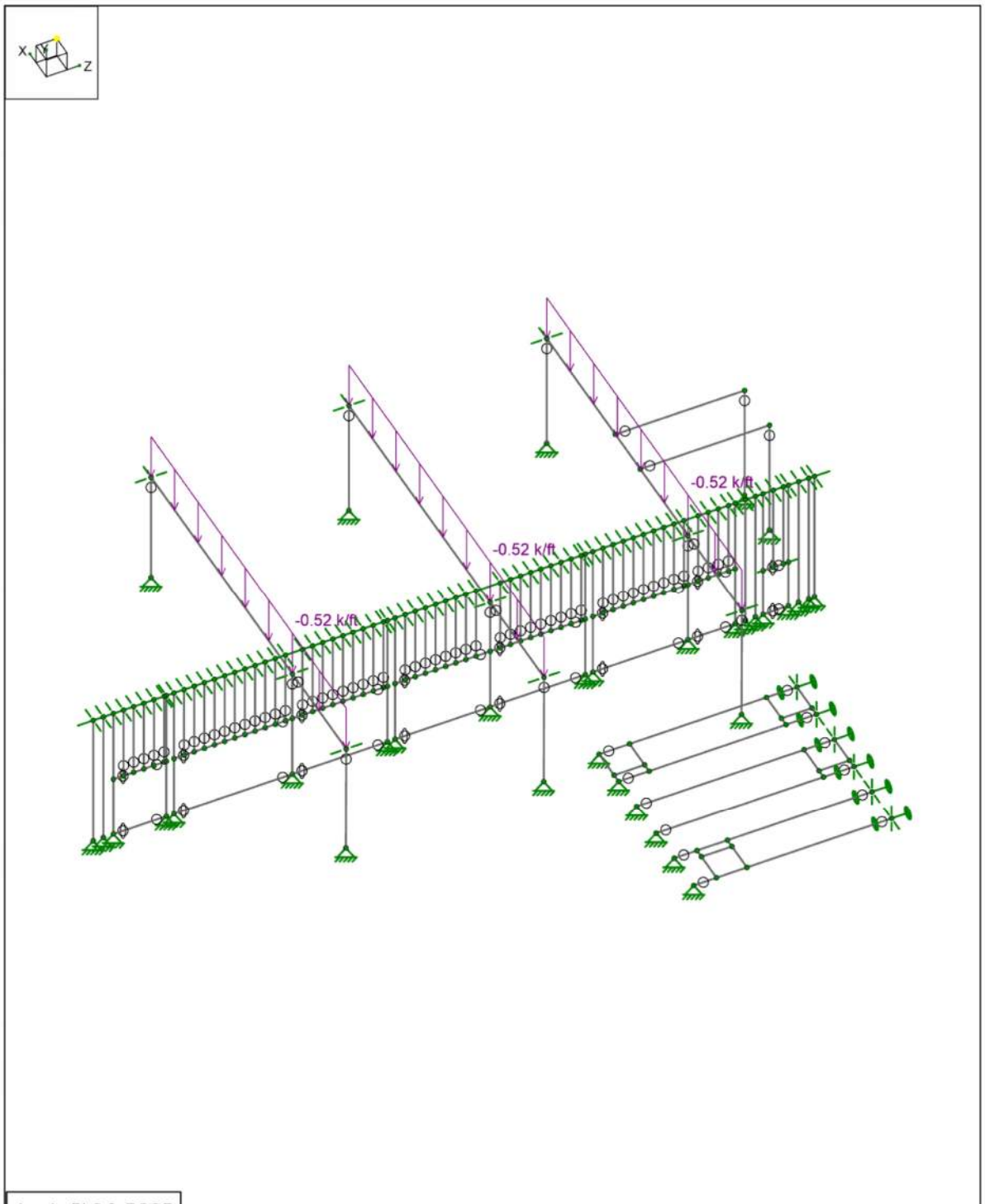

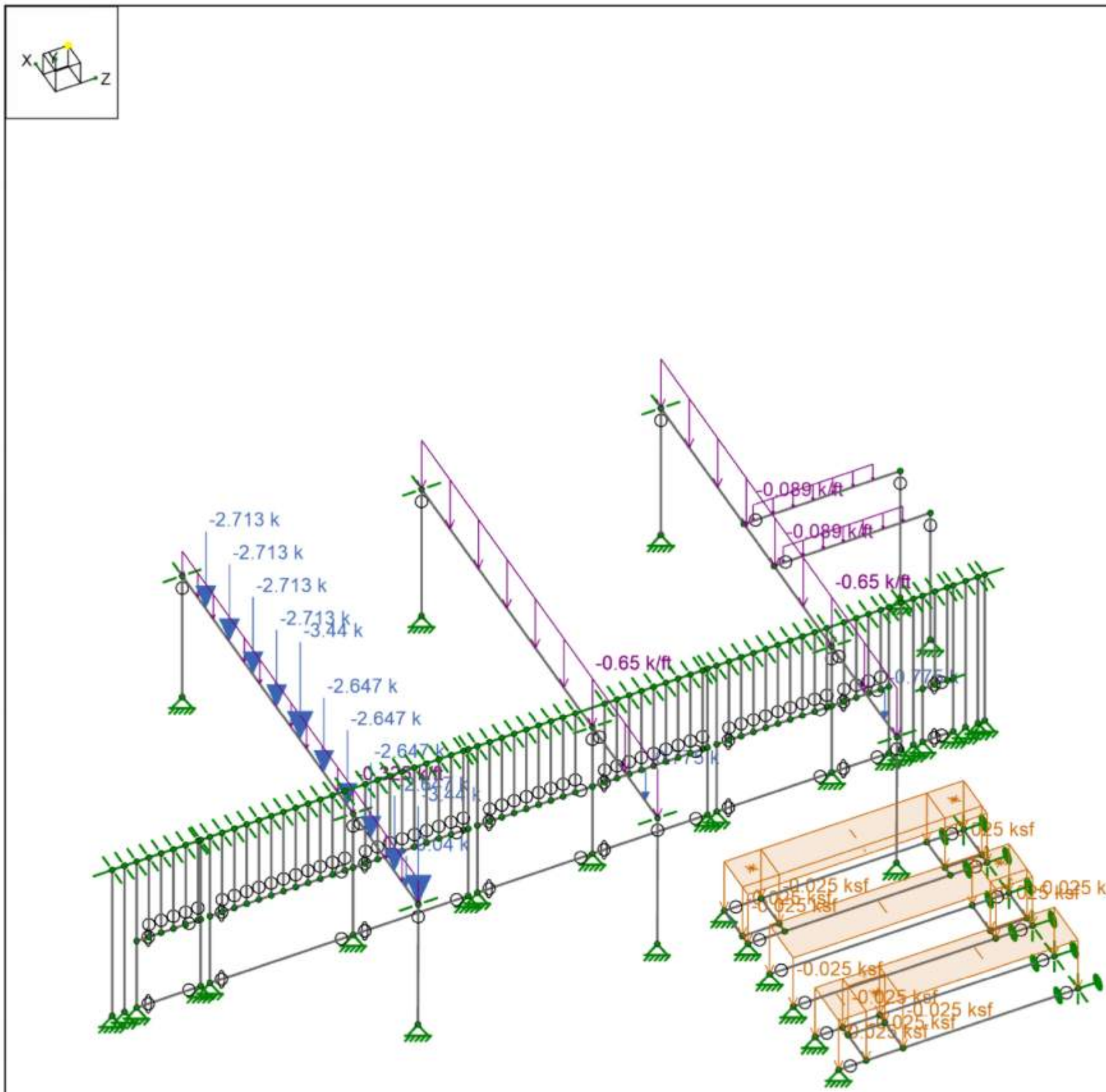

Loads: BLC 3, SNOW

<Licensed Company>	GOLDFISH SWIMSCHOOL	SK-13
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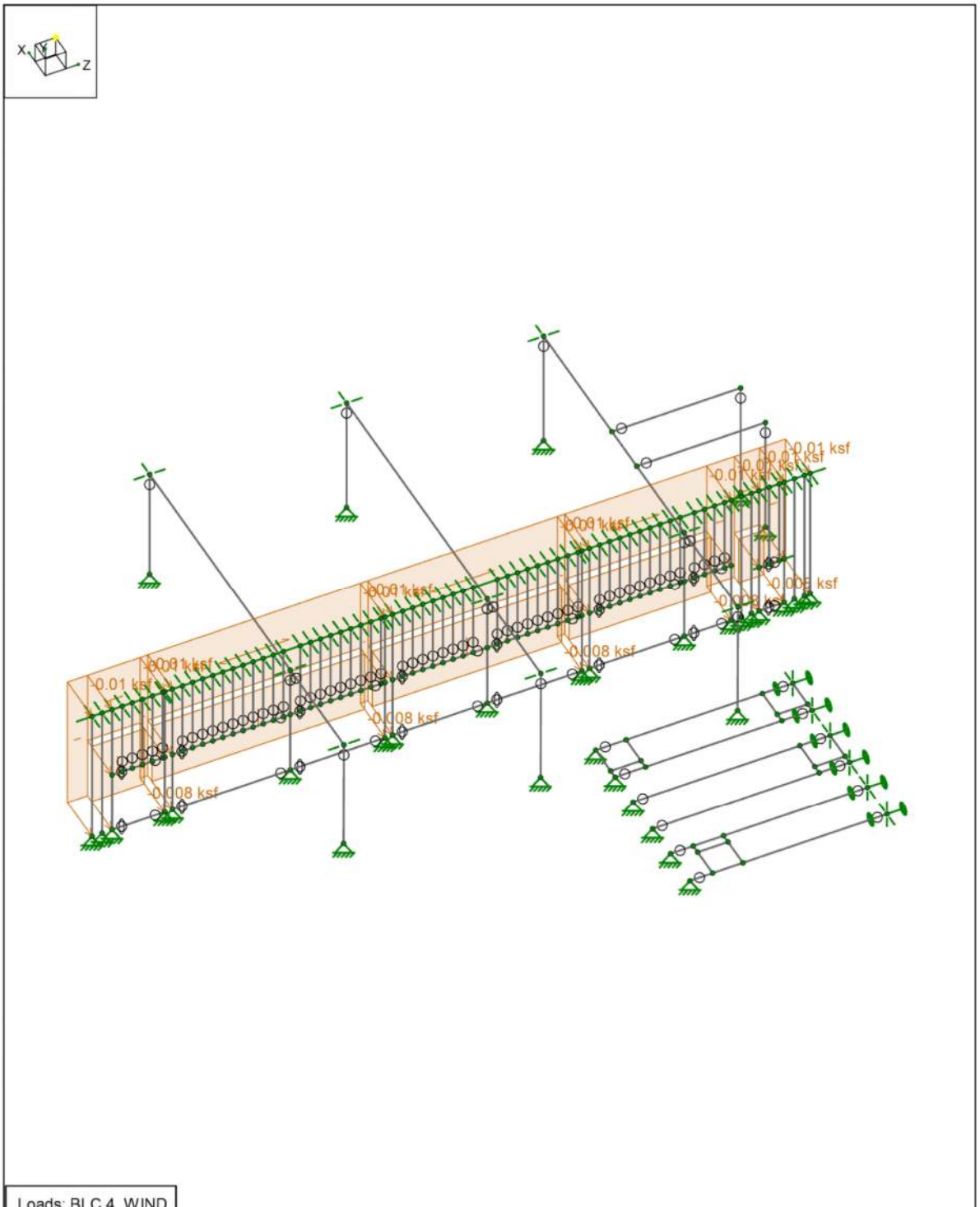
2220785		GOLDIFSH SWIMSCHOOL.r3d

PRCTI20221793



Loads: BLC 4, WIND

<Licensed Company>	GOLDFISH SWIMSCHOOL	SK-14
akoshman		Nov 16, 2022
2220785		GOLDIFSH SWIMSCHOOL.r3d

Node Coordinates

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
1	N259	129.258333	16.96	76	
2	N258	129.258333	16.96	94	
3	N7	201.145833	16.241487	46	
4	N8	163.5	16.241487	46	
5	N9	163.5	0	46	
6	N10	149.145533	16.241487	46	
7	N12	149.228833	0	46	
8	N13	201.145833	0	46	
9	N14	149.145533	16.96	72	
10	N15	163.5	16.96	72	
11	N16	163.5	0	72	
12	N17	201.145833	16.96	72	
13	N19	149.228833	0	72	
14	N20	201.145833	0	72	
15	N21	149.145533	16.96	98	
16	N22	163.5	16.96	98	
17	N23	163.5	0	98	
18	N24	201.145833	16.96	98	
19	N25	149.228833	0	98	
20	N26	201.145833	0	98	
21	N52	163.5	9	29.437567	
22	N53	163.5	0	19.8334	
23	N54	163.5	19.625	19.8334	
24	N55	163.5	0	21.1634	
25	N56	163.5	19.625	21.1634	
26	N57	163.5	9	22.479233	
27	N58	163.5	0	22.479233	
28	N59	163.5	19.625	22.479233	
29	N60	163.5	9	23.812233	
30	N61	163.5	19.625	23.812233	
31	N62	163.5	9	25.145233	
32	N63	163.5	19.625	25.145233	
33	N64	163.5	9	26.478233	
34	N65	163.5	19.625	26.478233	
35	N66	163.5	9	27.811233	
36	N67	163.5	19.625	27.811233	
37	N68	163.5	9	29.144233	
38	N69	163.5	19.625	29.144233	
39	N70	163.5	0	29.437567	
40	N71	163.5	19.625	29.437567	
41	N72	163.5	0	30.437567	
42	N73	163.5	19.625	30.437567	
43	N74	163.5	9	30.437567	
44	N75	163.5	9	46	
45	N76	163.5	19.625	31.767567	
46	N77	163.5	19.625	33.100567	
47	N78	163.5	19.625	34.433567	
48	N79	163.5	9	35.766567	
49	N80	163.5	19.625	35.766567	
50	N81	163.5	9	33.100567	
51	N82	163.5	9	34.433567	
52	N83	163.5	9	31.767567	
53	N84	163.5	9	37.099567	
54	N85	163.5	19.625	37.099567	
55	N86	163.5	19.625	38.429567	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
56	N87	163.5	19.625	39.762567	
57	N88	163.5	19.625	41.095567	
58	N89	163.5	9	42.428567	
59	N90	163.5	19.625	42.428567	
60	N91	163.5	9	39.762567	
61	N92	163.5	9	41.095567	
62	N93	163.5	9	38.429567	
63	N94	163.5	9	43.761567	
64	N95	163.5	19.625	43.761567	
65	N96	163.5	9	45.091567	
66	N97	163.5	19.625	45.091567	
67	N98	163.5	9	58.4993	
68	N104	163.5	9	47.329567	
69	N105	163.5	19.625	47.329567	
70	N106	163.5	9	48.659567	
71	N107	163.5	19.625	48.659567	
72	N108	163.5	9	49.989567	
73	N109	163.5	19.625	49.989567	
74	N110	163.5	9	51.319567	
75	N111	163.5	19.625	51.319567	
76	N112	163.5	9	52.649567	
77	N113	163.5	19.625	52.649567	
78	N114	163.5	9	53.979567	
79	N115	163.5	19.625	53.979567	
80	N116	163.5	9	55.309567	
81	N117	163.5	19.625	55.309567	
82	N118	163.5	9	56.639567	
83	N119	163.5	19.625	56.639567	
84	N120	163.5	0	58.4993	
85	N121	163.5	19.625	58.4993	
86	N122	163.5	0	59.4993	
87	N123	163.5	19.625	59.4993	
88	N124	163.5	9	59.4993	
89	N125	163.5	9	72	
90	N126	163.5	9	60.828567	
91	N127	163.5	19.625	60.828567	
92	N128	163.5	9	62.158567	
93	N129	163.5	19.625	62.158567	
94	N130	163.5	9	63.488567	
95	N131	163.5	19.625	63.488567	
96	N132	163.5	9	64.818567	
97	N133	163.5	19.625	64.818567	
98	N134	163.5	9	66.148567	
99	N135	163.5	19.625	66.148567	
100	N136	163.5	9	67.478567	
101	N137	163.5	19.625	67.478567	
102	N138	163.5	9	68.808567	
103	N139	163.5	19.625	68.808567	
104	N140	163.5	9	70.138567	
105	N141	163.5	19.625	70.138567	
106	N146	163.5	0	84.4993	
107	N147	163.5	19.625	84.498567	
108	N149	163.5	9	84.4993	
109	N150	163.5	9	73.329867	
110	N151	163.5	19.625	73.329867	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
111	N152	163.5	9	74.659867	
112	N153	163.5	19.625	74.659867	
113	N154	163.5	9	75.989867	
114	N155	163.5	19.625	75.989867	
115	N156	163.5	9	77.319867	
116	N157	163.5	19.625	77.319867	
117	N158	163.5	9	78.649867	
118	N159	163.5	19.625	78.649867	
119	N160	163.5	9	79.979867	
120	N161	163.5	19.625	79.979867	
121	N162	163.5	9	81.309867	
122	N163	163.5	19.625	81.309867	
123	N164	163.5	9	82.639867	
124	N165	163.5	19.625	82.639867	
125	N166	163.5	0	85.4993	
126	N167	163.5	19.625	85.498567	
127	N168	163.5	9	85.4993	
128	N169	163.5	9	98	
129	N170	163.5	9	86.828867	
130	N171	163.5	19.625	86.828867	
131	N172	163.5	9	88.158867	
132	N173	163.5	19.625	88.158867	
133	N174	163.5	9	89.488867	
134	N175	163.5	19.625	89.488867	
135	N176	163.5	9	90.818867	
136	N177	163.5	19.625	90.818867	
137	N178	163.5	9	92.148867	
138	N179	163.5	19.625	92.148867	
139	N180	163.5	9	93.478867	
140	N181	163.5	19.625	93.478867	
141	N182	163.5	9	94.808867	
142	N183	163.5	19.625	94.808867	
143	N184	163.5	9	96.138867	
144	N185	163.5	19.625	96.138867	
145	N193	163.5	9	104.207633	
146	N194	163.5	0	104.207633	
147	N195	163.5	19.625	104.2069	
148	N196	163.5	9	99.329867	
149	N197	163.5	19.625	99.329867	
150	N198	163.5	9	100.659867	
151	N199	163.5	19.625	100.659867	
152	N200	163.5	9	101.989867	
153	N201	163.5	19.625	101.989867	
154	N202	163.5	9	103.319867	
155	N203	163.5	19.625	103.319867	
156	N204	163.5	0	105.537633	
157	N205	163.5	19.625	105.5369	
158	N206	163.5	0	106.867633	
159	N207	163.5	19.625	106.8669	
160	N208	163.5	0	107.867633	
161	N209	163.5	19.625	107.8669	
162	N210	163.5	7.167	107.867633	
163	N211	163.5	7.167	111.200633	
164	N212	163.5	7.167	109.200633	
165	N213	163.5	19.625	109.1999	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
166	N214	163.5	7.167	110.533633	
167	N215	163.5	19.625	110.5329	
168	N216	163.5	0	111.200633	
169	N217	163.5	19.625	111.1999	
170	N218	163.5	0	112.533633	
171	N219	163.5	19.625	112.5329	
172	N220	163.5	0	113.866633	
173	N221	163.5	19.625	113.8659	
174	N222	163.5	0	114.617299	
175	N223	163.5	19.625	114.616567	
176	N224	163.5	9	57.969567	
177	N225	163.5	19.625	57.969567	
178	N226	163.5	9	83.969867	
179	N227	163.5	19.625	83.969867	
180	N228	163.5	9	97.468867	
181	N229	163.5	19.625	97.468867	
182	N230	174.458333	16.96	72	
183	N231	174.458333	16.96	98	
184	N232	181.416666	16.96	72	
185	N233	181.416666	16.96	98	
186	N234	134.458333	16.96	72	
187	N235	134.458333	16.96	98	
188	N236	129.258333	16.96	72	
189	N237	129.258333	16.96	98	
190	N238	134.458333	16.96	76	
191	N239	130.458333	16.96	76	
192	N240	130.458333	16.96	72	
193	N241	130.458333	16.96	98	
194	N242	130.458333	16.96	94	
195	N243	134.458333	16.96	94	
196	N244	119.258333	16.96	72	
197	N245	119.258333	16.96	98	
198	N246	124.458333	16.96	72	
199	N247	124.458333	16.96	98	
200	N248	120.458333	16.96	98	
201	N249	120.458333	16.96	94	
202	N250	124.458333	16.96	94	
203	N251	119.258333	16.96	94	
204	N253	109.258333	16.96	98	
205	N254	109.258333	16.96	72	
206	N255	114.458333	16.96	72	
207	N256	114.458333	16.96	98	
208	N260	113.258333	16.96	79	
209	N261	109.258333	16.96	79	
210	N262	109.258333	16.96	75	
211	N263	113.258333	16.96	75	
212	N252	114.458333	16.96	75	
213	N257	114.458333	16.96	79	
214	N433	120.458333	16.96	298	
215	N434	163.5	19.625	249.989567	
216	N435	163.5	0	314.617299	
217	N436	163.5	9	264.818567	
218	N437	120.458333	16.96	294	
219	N438	163.5	19.625	234.433567	
220	N439	163.5	19.625	231.767567	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
221	N440	124.458333	16.96	294	
222	N441	163.5	0	246	
223	N442	129.258333	16.96	272	
224	N443	163.5	9	235.766567	
225	N444	134.458333	16.96	298	
226	N445	163.5	0	230.437567	
227	N446	113.258333	16.96	275	
228	N447	163.5	9	243.761567	
229	N448	163.5	19.625	241.095567	
230	N449	163.5	9	247.329567	
231	N669	163.5	19.625	233.100567	
232	N670	163.5	19.625	282.639867	
233	N671	130.458333	16.96	272	
234	N672	163.5	7.167	311.200633	
235	N673	163.5	19.625	263.488567	
236	N674	163.5	9	238.429567	
237	N675	163.5	9	256.639567	
238	N676	129.258333	16.96	276	
239	N677	163.5	0	259.4993	
240	N678	163.5	9	303.319867	
241	N679	163.5	9	260.828567	
242	N680	163.5	19.625	259.4993	
243	N681	163.5	19.625	252.649567	
244	N682	163.5	0	229.437567	
245	N683	163.5	19.625	274.659867	
246	N684	163.5	0	272	
247	N685	109.258333	16.96	272	
248	N686	109.258333	16.96	279	
249	N687	114.458333	16.96	298	
250	N688	163.5	19.625	309.1999	
251	N689	201.145833	16.241487	246	
252	N690	163.5	7.167	307.867633	
253	N691	163.5	19.625	258.4993	
254	N692	163.5	19.625	281.309867	
255	N693	149.145533	16.241487	246	
256	N694	163.5	9	297.468867	
257	N695	163.5	9	222.479233	
258	N696	109.258333	16.96	275	
259	N697	163.5	19.625	279.979867	
260	N698	163.5	19.625	299.329867	
261	N699	201.145833	0	298	
262	N700	163.5	19.625	243.761567	
263	N701	163.5	19.625	248.659567	
264	N702	163.5	19.625	256.639567	
265	N703	163.5	19.625	235.766567	
266	N704	163.5	19.625	225.145233	
267	N705	201.145833	16.96	298	
268	N706	149.228833	0	246	
269	N707	119.258333	16.96	298	
270	N708	109.258333	16.96	298	
271	N709	163.5	19.625	283.969867	
272	N710	163.5	19.625	301.989867	
273	N711	163.5	19.625	239.762567	
274	N712	163.5	9	242.428567	
275	N713	130.458333	16.96	276	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
276	N714	130.458333	16.96	294	
277	N715	163.5	19.625	273.329867	
278	N717	163.5	9	233.100567	
279	N718	163.5	0	221.1634	
280	N719	163.5	19.625	223.812233	
281	N720	163.5	19.625	294.808867	
282	N721	163.5	19.625	264.818567	
283	N722	163.5	0	284.4993	
284	N723	163.5	19.625	229.437567	
285	N724	163.5	9	281.309867	
286	N725	163.5	19.625	270.138567	
287	N726	163.5	19.625	306.8669	
288	N727	201.145833	0	246	
289	N728	163.5	9	262.158567	
290	N729	201.145833	16.96	272	
291	N731	163.5	19.625	293.478867	
292	N732	129.258333	16.96	294	
293	N733	163.5	9	267.478567	
294	N734	163.5	19.625	229.144233	
295	N735	163.5	9	223.812233	
296	N736	163.5	9	263.488567	
297	N737	163.5	9	258.4993	
298	N738	163.5	0	222.479233	
299	N739	163.5	9	231.767567	
300	N740	163.5	19.625	288.158867	
301	N741	163.5	0	306.867633	
302	N742	163.5	19.625	238.429567	
303	N743	182.84375	16.96	298	
304	N744	182.84375	16.96	314.979	
305	N745	176.21875	0	314.979	
306	N746	163.5	19.625	278.649867	
307	N747	163.5	9	237.099567	
308	N748	163.5	19.625	255.309567	
309	N749	163.5	19.625	304.2069	
310	N750	163.5	19.625	303.319867	
311	N751	163.5	19.625	237.099567	
312	N752	163.5	9	285.4993	
313	N753	163.5	0	219.8334	
314	N754	163.5	19.625	313.8659	
315	N755	163.5	9	226.478233	
316	N756	163.5	19.625	277.319867	
317	N757	163.5	16.241487	246	
318	N758	163.5	9	241.095567	
319	N759	163.5	19.625	242.428567	
320	N760	163.5	19.625	290.818867	
321	N761	163.5	9	249.989567	
322	N762	149.145533	16.96	272	
323	N763	163.5	16.96	272	
324	N764	163.5	9	277.319867	
325	N765	163.5	0	307.867633	
326	N766	163.5	19.625	226.478233	
327	N767	163.5	19.625	221.1634	
328	N768	149.228833	0	272	
329	N769	119.258333	16.96	272	
330	N770	163.5	19.625	314.616567	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
331	N771	201.145833	0	272	
332	N772	163.5	19.625	268.808567	
333	N773	149.145533	16.96	298	
334	N774	163.5	16.96	298	
335	N775	163.5	0	298	
336	N776	149.228833	0	298	
337	N777	163.5	9	229.437567	
338	N778	163.5	19.625	219.8334	
339	N779	163.5	9	239.762567	
340	N780	163.5	19.625	222.479233	
341	N781	163.5	9	225.145233	
342	N782	163.5	9	227.811233	
343	N783	163.5	9	294.808867	
344	N784	163.5	19.625	227.811233	
345	N785	163.5	0	285.4993	
346	N786	163.5	9	229.144233	
347	N787	163.5	9	270.138567	
348	N788	163.5	9	255.309567	
349	N789	134.458333	16.96	294	
350	N790	163.5	9	301.989867	
351	N791	163.5	19.625	230.437567	
352	N792	163.5	9	230.437567	
353	N793	163.5	9	246	
354	N794	163.5	9	234.433567	
355	N795	163.5	19.625	267.478567	
356	N796	163.5	9	245.091567	
357	N797	129.258333	16.96	298	
358	N798	163.5	19.625	245.091567	
359	N799	163.5	19.625	247.329567	
360	N800	163.5	9	248.659567	
361	N801	163.5	9	251.319567	
362	N802	163.5	19.625	251.319567	
363	N803	163.5	9	252.649567	
364	N804	163.5	9	289.488867	
365	N805	163.5	9	253.979567	
366	N806	163.5	19.625	285.498567	
367	N807	114.458333	16.96	279	
368	N808	163.5	19.625	296.138867	
369	N809	163.5	19.625	253.979567	
370	N810	163.5	0	258.4993	
371	N811	163.5	9	259.4993	
372	N812	163.5	9	272	
373	N813	163.5	9	299.329867	
374	N814	163.5	19.625	260.828567	
375	N815	163.5	19.625	262.158567	
376	N816	163.5	9	266.148567	
377	N817	163.5	19.625	266.148567	
378	N818	163.5	9	268.808567	
379	N819	163.5	9	282.639867	
380	N820	163.5	19.625	284.498567	
381	N821	163.5	9	284.4993	
382	N822	163.5	9	273.329867	
383	N823	163.5	9	274.659867	
384	N824	163.5	9	275.989867	
385	N825	163.5	19.625	275.989867	

Node Coordinates (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Detach From Diaphragm
386	N826	163.5	9	278.649867	
387	N827	163.5	9	279.979867	
388	N828	113.258333	16.96	279	
389	N829	163.5	9	298	
390	N830	163.5	7.167	309.200633	
391	N831	163.5	9	286.828867	
392	N832	163.5	19.625	289.488867	
393	N833	163.5	19.625	286.828867	
394	N834	163.5	9	288.158867	
395	N835	163.5	9	290.818867	
396	N836	163.5	9	292.148867	
397	N837	163.5	19.625	292.148867	
398	N838	163.5	19.625	311.1999	
399	N839	163.5	9	293.478867	
400	N840	163.5	9	296.138867	
401	N841	163.5	9	304.207633	
402	N842	163.5	0	304.207633	
403	N843	163.5	0	312.533633	
404	N844	163.5	9	300.659867	
405	N845	176.21875	16.96	298	
406	N846	163.5	19.625	300.659867	
407	N847	163.5	0	305.537633	
408	N848	163.5	19.625	305.5369	
409	N849	163.5	19.625	307.8669	
410	N850	163.5	7.167	310.533633	
411	N851	163.5	19.625	310.5329	
412	N852	163.5	0	311.200633	
413	N853	163.5	19.625	312.5329	
414	N854	163.5	0	313.866633	
415	N855	163.5	9	257.969567	
416	N856	163.5	19.625	257.969567	
417	N857	163.5	9	283.969867	
418	N858	163.5	19.625	297.468867	
419	N861	134.458333	16.96	272	
420	N862	134.458333	16.96	276	
421	N863	130.458333	16.96	298	
422	N864	124.458333	16.96	272	
423	N865	124.458333	16.96	298	
424	N866	114.458333	16.96	275	
425	N867	119.258333	16.96	294	
426	N868	114.458333	16.96	272	
427	N869	176.21875	16.96	314.979	
428	N870	182.84375	0	314.979	

Node Boundary Conditions

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	Z Rot [k-ft/rad]
1	N10			Reaction	
2	N8			Reaction	
3	N7	Reaction		Reaction	
4	N17	Reaction		Reaction	
5	N15			Reaction	
6	N14			Reaction	
7	N24	Reaction		Reaction	
8	N22			Reaction	
9	N21			Reaction	

Node Boundary Conditions (Continued)

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	Z Rot [k-ft/rad]
10	N9	Reaction	Reaction	Reaction	
11	N13	Reaction	Reaction	Reaction	
12	N16	Reaction	Reaction	Reaction	
13	N20	Reaction	Reaction	Reaction	
14	N23	Reaction	Reaction	Reaction	
15	N26	Reaction	Reaction	Reaction	
16	N25	Reaction	Reaction	Reaction	
17	N12	Reaction	Reaction	Reaction	
18	N19	Reaction	Reaction	Reaction	
19	N53	Reaction	Reaction	Reaction	
20	N54	Reaction		Reaction	
21	N55	Reaction	Reaction	Reaction	
22	N56	Reaction		Reaction	
23	N59	Reaction		Reaction	
24	N58	Reaction	Reaction	Reaction	
25	N61	Reaction		Reaction	
26	N63	Reaction		Reaction	
27	N65	Reaction		Reaction	
28	N67	Reaction		Reaction	
29	N69	Reaction		Reaction	
30	N70	Reaction	Reaction	Reaction	
31	N71	Reaction		Reaction	
32	N72	Reaction	Reaction	Reaction	
33	N73	Reaction		Reaction	
34	N76	Reaction		Reaction	
35	N77	Reaction		Reaction	
36	N78	Reaction		Reaction	
37	N80	Reaction		Reaction	
38	N85	Reaction		Reaction	
39	N86	Reaction		Reaction	
40	N87	Reaction		Reaction	
41	N88	Reaction		Reaction	
42	N90	Reaction		Reaction	
43	N95	Reaction		Reaction	
44	N97	Reaction		Reaction	
45	N105	Reaction		Reaction	
46	N107	Reaction		Reaction	
47	N109	Reaction		Reaction	
48	N111	Reaction		Reaction	
49	N113	Reaction		Reaction	
50	N115	Reaction		Reaction	
51	N117	Reaction		Reaction	
52	N119	Reaction		Reaction	
53	N120	Reaction	Reaction	Reaction	
54	N121	Reaction		Reaction	
55	N122	Reaction	Reaction	Reaction	
56	N123	Reaction		Reaction	
57	N127	Reaction		Reaction	
58	N129	Reaction		Reaction	
59	N131	Reaction		Reaction	
60	N133	Reaction		Reaction	
61	N135	Reaction		Reaction	
62	N137	Reaction		Reaction	
63	N139	Reaction		Reaction	
64	N141	Reaction		Reaction	

Node Boundary Conditions (Continued)

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	Z Rot [k-ft/rad]
65	N146	Reaction	Reaction	Reaction	
66	N147	Reaction		Reaction	
67	N151	Reaction		Reaction	
68	N153	Reaction		Reaction	
69	N155	Reaction		Reaction	
70	N157	Reaction		Reaction	
71	N159	Reaction		Reaction	
72	N161	Reaction		Reaction	
73	N163	Reaction		Reaction	
74	N165	Reaction		Reaction	
75	N166	Reaction	Reaction	Reaction	
76	N167	Reaction		Reaction	
77	N171	Reaction		Reaction	
78	N173	Reaction		Reaction	
79	N175	Reaction		Reaction	
80	N177	Reaction		Reaction	
81	N179	Reaction		Reaction	
82	N181	Reaction		Reaction	
83	N183	Reaction		Reaction	
84	N185	Reaction		Reaction	
85	N194	Reaction	Reaction	Reaction	
86	N195	Reaction		Reaction	
87	N197	Reaction		Reaction	
88	N199	Reaction		Reaction	
89	N201	Reaction		Reaction	
90	N203	Reaction		Reaction	
91	N204	Reaction	Reaction	Reaction	
92	N205	Reaction		Reaction	
93	N206	Reaction	Reaction	Reaction	
94	N207	Reaction		Reaction	
95	N208	Reaction	Reaction	Reaction	
96	N209	Reaction		Reaction	
97	N212			Reaction	
98	N213	Reaction		Reaction	
99	N214			Reaction	
100	N215	Reaction		Reaction	
101	N216	Reaction	Reaction	Reaction	
102	N217	Reaction		Reaction	
103	N218	Reaction	Reaction	Reaction	
104	N219	Reaction		Reaction	
105	N220	Reaction	Reaction	Reaction	
106	N221	Reaction		Reaction	
107	N222	Reaction	Reaction	Reaction	
108	N223	Reaction		Reaction	
109	N225	Reaction		Reaction	
110	N227	Reaction		Reaction	
111	N229	Reaction		Reaction	
112	N230			Reaction	
113	N231			Reaction	
114	N232			Reaction	
115	N233			Reaction	
116	N234	Reaction	Reaction	Reaction	
117	N235	Reaction	Reaction	Reaction	Reaction
118	N236	Reaction	Reaction	Reaction	
119	N237	Reaction	Reaction	Reaction	Reaction

Node Boundary Conditions (Continued)

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	Z Rot [k-ft/rad]
120	N244	Reaction	Reaction	Reaction	
121	N245	Reaction	Reaction	Reaction	Reaction
122	N246	Reaction	Reaction	Reaction	
123	N247	Reaction	Reaction	Reaction	Reaction
124	N253	Reaction	Reaction	Reaction	Reaction
125	N254	Reaction	Reaction	Reaction	
126	N255	Reaction	Reaction	Reaction	
127	N256	Reaction	Reaction	Reaction	Reaction
128	N434	Reaction		Reaction	
129	N435	Reaction	Reaction	Reaction	
130	N438	Reaction		Reaction	
131	N439	Reaction		Reaction	
132	N441	Reaction	Reaction	Reaction	
133	N442	Reaction	Reaction	Reaction	
134	N444	Reaction	Reaction	Reaction	Reaction
135	N445	Reaction	Reaction	Reaction	
136	N448	Reaction		Reaction	
137	N669	Reaction		Reaction	
138	N670	Reaction		Reaction	
139	N673	Reaction		Reaction	
140	N677	Reaction	Reaction	Reaction	
141	N680	Reaction		Reaction	
142	N681	Reaction		Reaction	
143	N682	Reaction	Reaction	Reaction	
144	N683	Reaction		Reaction	
145	N684	Reaction	Reaction	Reaction	
146	N685	Reaction	Reaction	Reaction	
147	N687	Reaction	Reaction	Reaction	Reaction
148	N688	Reaction		Reaction	
149	N689	Reaction		Reaction	
150	N691	Reaction		Reaction	
151	N692	Reaction		Reaction	
152	N693			Reaction	
153	N697	Reaction		Reaction	
154	N698	Reaction		Reaction	
155	N699	Reaction	Reaction	Reaction	
156	N700	Reaction		Reaction	
157	N701	Reaction		Reaction	
158	N702	Reaction		Reaction	
159	N703	Reaction		Reaction	
160	N704	Reaction		Reaction	
161	N705	Reaction		Reaction	
162	N706	Reaction	Reaction	Reaction	
163	N707	Reaction	Reaction	Reaction	Reaction
164	N708	Reaction	Reaction	Reaction	Reaction
165	N709	Reaction		Reaction	
166	N710	Reaction		Reaction	
167	N711	Reaction		Reaction	
168	N715	Reaction		Reaction	
169	N718	Reaction	Reaction	Reaction	
170	N719	Reaction		Reaction	
171	N720	Reaction		Reaction	
172	N721	Reaction		Reaction	
173	N722	Reaction	Reaction	Reaction	
174	N723	Reaction		Reaction	

Node Boundary Conditions (Continued)

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	Z Rot [k-ft/rad]
175	N725	Reaction		Reaction	
176	N726	Reaction		Reaction	
177	N727	Reaction	Reaction	Reaction	
178	N729	Reaction		Reaction	
179	N731	Reaction		Reaction	
180	N734	Reaction		Reaction	
181	N738	Reaction	Reaction	Reaction	
182	N740	Reaction		Reaction	
183	N741	Reaction	Reaction	Reaction	
184	N742	Reaction		Reaction	
185	N745	Reaction	Reaction	Reaction	
186	N746	Reaction		Reaction	
187	N748	Reaction		Reaction	
188	N749	Reaction		Reaction	
189	N750	Reaction		Reaction	
190	N751	Reaction		Reaction	
191	N753	Reaction	Reaction	Reaction	
192	N754	Reaction		Reaction	
193	N756	Reaction		Reaction	
194	N757			Reaction	
195	N759	Reaction		Reaction	
196	N760	Reaction		Reaction	
197	N762			Reaction	
198	N763			Reaction	
199	N765	Reaction	Reaction	Reaction	
200	N766	Reaction		Reaction	
201	N767	Reaction		Reaction	
202	N768	Reaction	Reaction	Reaction	
203	N769	Reaction	Reaction	Reaction	
204	N770	Reaction		Reaction	
205	N771	Reaction	Reaction	Reaction	
206	N772	Reaction		Reaction	
207	N773			Reaction	
208	N774			Reaction	
209	N775	Reaction	Reaction	Reaction	
210	N776	Reaction	Reaction	Reaction	
211	N778	Reaction		Reaction	
212	N780	Reaction		Reaction	
213	N784	Reaction		Reaction	
214	N785	Reaction	Reaction	Reaction	
215	N791	Reaction		Reaction	
216	N795	Reaction		Reaction	
217	N797	Reaction	Reaction	Reaction	Reaction
218	N798	Reaction		Reaction	
219	N799	Reaction		Reaction	
220	N802	Reaction		Reaction	
221	N806	Reaction		Reaction	
222	N808	Reaction		Reaction	
223	N809	Reaction		Reaction	
224	N810	Reaction	Reaction	Reaction	
225	N814	Reaction		Reaction	
226	N815	Reaction		Reaction	
227	N817	Reaction		Reaction	
228	N820	Reaction		Reaction	
229	N825	Reaction		Reaction	

Node Boundary Conditions (Continued)

	Node Label	X [k/in]	Y [k/in]	Z [k/in]	Z Rot [k-ft/rad]
230	N830			Reaction	
231	N832	Reaction		Reaction	
232	N833	Reaction		Reaction	
233	N837	Reaction		Reaction	
234	N838	Reaction		Reaction	
235	N842	Reaction	Reaction	Reaction	
236	N843	Reaction	Reaction	Reaction	
237	N846	Reaction		Reaction	
238	N847	Reaction	Reaction	Reaction	
239	N848	Reaction		Reaction	
240	N849	Reaction		Reaction	
241	N850			Reaction	
242	N851	Reaction		Reaction	
243	N852	Reaction	Reaction	Reaction	
244	N853	Reaction		Reaction	
245	N854	Reaction	Reaction	Reaction	
246	N856	Reaction		Reaction	
247	N858	Reaction		Reaction	
248	N861	Reaction	Reaction	Reaction	
249	N864	Reaction	Reaction	Reaction	
250	N865	Reaction	Reaction	Reaction	Reaction
251	N868	Reaction	Reaction	Reaction	
252	N870	Reaction	Reaction	Reaction	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in²]	Iyy [in⁴]	Izz [in⁴]	J [in⁴]
1	HSS6X6X6	HSS6X6X6	Column	Tube	A500 Gr.C RECT	Typical	7.58	39.5	39.5	64.6
2	HSS5X5X4	HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical	4.3	16	16	25.8
3	W14X22	W14X22	Beam	Wide Flange	A992	Typical	6.49	7	199	0.208
4	W24X55	W24X55	Beam	Wide Flange	A992	Typical	16.2	29.1	1350	1.18
5	DOUBLE CHANNEL	2C15X50X0	Beam	Double Channel	A992	Typical	29.4	40.7	807.253	5.3
6	W24X62	W24X62	Beam	Wide Flange	A992	Typical	18.2	34.5	1550	1.71
7	W24X68	W24X68	Beam	Wide Flange	A992	Typical	20.1	70.4	1830	1.87
8	W18X35	W18X35	Beam	Wide Flange	A992	Typical	10.3	15.3	510	0.506
9	L3X3X3	L3X3X3	Beam	Single Angle	A992	Typical	1.09	0.948	0.948	0.014
10	L4X4X4	L4X4X4	Beam	Single Angle	A992	Typical	1.93	3	3	0.044
11	HSS4X4X4	HSS4X4X4	Column	Tube	A500 Gr.C RECT	Typical	3.37	7.8	7.8	12.8

Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rule	Area [in²]	Iyy [in⁴]	Izz [in⁴]	J [in⁴]
1	6 INCH STUD	600S162-43	Beam	CS	A653 SS Gr33	Typical	0.447	0.148	2.32	0.000303
2	6 INCH 2 BU STUDS	2-600S162-43-BB	Beam	CS B-to-B	A653 SS Gr33	Typical	0.894	0.449	4.64	0.000606

Member Primary Data

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
1	M5	N8	N7		W24X55	Beam	Wide Flange	A992	Typical
2	M6	N9	N8		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
3	M7	N8	N10		W18X35	Beam	Wide Flange	A992	Typical
4	M8	N10	N12		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
5	M9	N13	N7		HSS6X6X6	Column	Tube	A500 Gr.C RECT	Typical
6	M10	N15	N17		W24X55	Beam	Wide Flange	A992	Typical
7	M11	N20	N17		HSS6X6X6	Column	Tube	A500 Gr.C RECT	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
8	M12	N16	N15		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
9	M13	N14	N19		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
10	M14	N15	N14		W14X22	Beam	Wide Flange	A992	Typical
11	M15	N26	N24		HSS6X6X6	Column	Tube	A500 Gr.C RECT	Typical
12	M16	N22	N24		W24X55	Beam	Wide Flange	A992	Typical
13	M17	N23	N22		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
14	M18	N21	N25		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
15	M19	N22	N21		W14X22	Beam	Wide Flange	A992	Typical
16	M38	N53	N54		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
17	M39	N55	N56		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
18	M40	N52	N57		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
19	M41	N58	N59		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
20	M42	N60	N61		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
21	M43	N62	N63		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
22	M44	N64	N65		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
23	M45	N66	N67		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
24	M46	N68	N69		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
25	M47	N70	N71		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
26	M48	N72	N73		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
27	M49	N74	N75		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
28	M50	N79	N80		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
29	M51	N81	N77		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
30	M52	N82	N78		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
31	M53	N83	N76		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
32	M54	N84	N85		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
33	M55	N89	N90		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
34	M56	N91	N87		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
35	M57	N92	N88		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
36	M58	N94	N95		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
37	M59	N93	N86		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
38	M60	N96	N97		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
39	M63	N75	N98		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
40	M64	N104	N105		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
41	M65	N106	N107		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
42	M66	N108	N109		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
43	M67	N110	N111		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
44	M68	N112	N113		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
45	M69	N114	N115		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
46	M70	N116	N117		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
47	M71	N118	N119		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
48	M72	N120	N121		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
49	M73	N122	N123		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
50	M74	N124	N125		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
51	M75	N126	N127		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
52	M76	N128	N129		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
53	M77	N130	N131		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
54	M78	N132	N133		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
55	M79	N134	N135		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
56	M80	N136	N137		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
57	M81	N138	N139		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
58	M82	N140	N141		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
59	M85	N146	N147		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
60	M86	N125	N149		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
61	M87	N150	N151		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
62	M88	N152	N153		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
63	M89	N154	N155		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
64	M90	N156	N157		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
65	M91	N158	N159		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
66	M92	N160	N161		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
67	M93	N162	N163		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
68	M94	N164	N165		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
69	M95	N166	N167		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
70	M96	N168	N169		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
71	M97	N170	N171		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
72	M98	N172	N173		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
73	M99	N174	N175		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
74	M100	N176	N177		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
75	M101	N178	N179		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
76	M102	N180	N181		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
77	M103	N182	N183		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
78	M104	N184	N185		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
79	M107	N169	N193		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
80	M108	N194	N195		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
81	M109	N196	N197		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
82	M110	N198	N199		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
83	M111	N200	N201		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
84	M112	N202	N203		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
85	M113	N204	N205		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
86	M114	N206	N207		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
87	M115	N208	N209		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
88	M116	N210	N211		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
89	M117	N212	N213		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
90	M118	N214	N215		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
91	M119	N216	N217		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
92	M120	N218	N219		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
93	M121	N220	N221		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
94	M122	N222	N223		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
95	M123	N224	N225		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
96	M124	N226	N227		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
97	M125	N228	N229		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
98	M126	N216	N208		RIGID	None	None	RIGID	Typical
99	M127	N194	N23		RIGID	None	None	RIGID	Typical
100	M128	N23	N166		RIGID	None	None	RIGID	Typical
101	M129	N146	N16		RIGID	None	None	RIGID	Typical
102	M130	N16	N122		RIGID	None	None	RIGID	Typical
103	M131	N120	N9		RIGID	None	None	RIGID	Typical
104	M132	N9	N72		RIGID	None	None	RIGID	Typical
105	M133	N70	N58		RIGID	None	None	RIGID	Typical
106	M134	N230	N231		W14X22	Beam	Wide Flange	A992	Typical
107	M135	N232	N233		W14X22	Beam	Wide Flange	A992	Typical
108	M136	N234	N235		RIGID	None	None	RIGID	Typical
109	M137	N236	N237		RIGID	None	None	RIGID	Typical
110	M138	N238	N259	180	L4X4X4	Beam	Single Angle	A992	Typical
111	M139	N239	N240	180	L4X4X4	Beam	Single Angle	A992	Typical
112	M140	N236	N234	180	L4X4X4	Beam	Single Angle	A992	Typical
113	M141	N235	N237	180	L4X4X4	Beam	Single Angle	A992	Typical
114	M142	N258	N243	180	L4X4X4	Beam	Single Angle	A992	Typical
115	M143	N241	N242	180	L4X4X4	Beam	Single Angle	A992	Typical
116	M144	N244	N245		RIGID	None	None	RIGID	Typical
117	M145	N246	N247		RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
118	M146	N247	N245	180	L4X4X4	Beam	Single Angle	A992	Typical
119	M147	N251	N250	180	L4X4X4	Beam	Single Angle	A992	Typical
120	M148	N248	N249	180	L4X4X4	Beam	Single Angle	A992	Typical
121	M149	N254	N253		RIGID	None	None	RIGID	Typical
122	M150	N255	N256		RIGID	None	None	RIGID	Typical
123	M154	N257	N261	180	L4X4X4	Beam	Single Angle	A992	Typical
124	M156	N262	N252	180	L4X4X4	Beam	Single Angle	A992	Typical
125	M151	N260	N263	90	L4X4X4	Beam	Single Angle	A992	Typical
126	M255	N741	N726		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
127	M256	N794	N438		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
128	M257	N852	N838		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
129	M258	N826	N746		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
130	M259	N738	N780		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
131	M260	N724	N692		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
132	M261	N774	N773		W14X22	Beam	Wide Flange	A992	Typical
133	M262	N810	N441		RIGID	None	None	RIGID	Typical
134	M392	N762	N768		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
135	M393	N850	N851		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
136	M394	N763	N762		W14X22	Beam	Wide Flange	A992	Typical
137	M395	N785	N806		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
138	M396	N679	N814		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
139	M397	N824	N825		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
140	M398	N845	N869		W14X22	Beam	Wide Flange	A992	Typical
141	M399	N436	N721		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
142	M400	N677	N680		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
143	M402	N775	N774		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
144	M403	N800	N701		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
145	M404	N855	N856		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
146	M405	N862	N676	180	L4X4X4	Beam	Single Angle	A992	Typical
147	M406	N777	N695		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
148	M407	N781	N704		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
149	M408	N685	N708		RIGID	None	None	RIGID	Typical
150	M409	N857	N709		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
151	M410	N732	N789	180	L4X4X4	Beam	Single Angle	A992	Typical
152	M411	N867	N440	180	L4X4X4	Beam	Single Angle	A992	Typical
153	M412	N844	N846		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
154	M413	N722	N820		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
155	M414	N788	N748		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
156	M415	N774	N705		W24X55	Beam	Wide Flange	A992	Typical
157	M416	N728	N815		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
158	M417	N842	N775		RIGID	None	None	RIGID	Typical
159	M418	N442	N797		RIGID	None	None	RIGID	Typical
160	M419	N804	N832		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
161	M420	N829	N841		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
162	M421	N842	N749		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
163	M422	N775	N785		RIGID	None	None	RIGID	Typical
164	M423	N758	N448		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
165	M424	N747	N751		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
166	M425	N868	N687		RIGID	None	None	RIGID	Typical
167	M426	N433	N437	180	L4X4X4	Beam	Single Angle	A992	Typical
168	M427	N674	N742		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
169	M428	N736	N673		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
170	M429	N752	N829		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
171	M430	N761	N434		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
172	M431	N782	N784		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
173	M432	N717	N669		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
174	M433	N796	N798		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
175	M434	N757	N689		W24X55	Beam	Wide Flange	A992	Typical
176	M435	N682	N723		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
177	M436	N718	N767		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
178	M437	N757	N693		W18X35	Beam	Wide Flange	A992	Typical
179	M438	N818	N772		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
180	M439	N755	N766		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
181	M440	N694	N858		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
182	M441	N763	N729		W24X55	Beam	Wide Flange	A992	Typical
183	M442	N690	N672		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
184	M443	N771	N729		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
185	M444	N810	N691		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
186	M445	N442	N861	180	L4X4X4	Beam	Single Angle	A992	Typical
187	M446	N678	N750		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
188	M447	N699	N705		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
189	M448	N753	N778		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
190	M449	N840	N808		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
191	M450	N444	N797	180	L4X4X4	Beam	Single Angle	A992	Typical
192	M451	N813	N698		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
193	M452	N735	N719		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
194	M453	N786	N734		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
195	M454	N828	N446	90	L4X4X4	Beam	Single Angle	A992	Typical
196	M455	N779	N711		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
197	M456	N764	N756		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
198	M457	N765	N849		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
199	M458	N445	N791		6 INCH 2 BU STUDS	Beam	CS B-to-B	A653 SS Gr33	Typical
200	M459	N443	N703		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
201	M460	N739	N439		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
202	M461	N693	N706		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
203	M462	N712	N759		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
204	M463	N447	N700		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
205	M464	N449	N799		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
206	M465	N787	N725		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
207	M466	N812	N821		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
208	M467	N773	N776		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
209	M468	N790	N710		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
210	M469	N801	N802		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
211	M470	N803	N681		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
212	M471	N805	N809		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
213	M472	N675	N702		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
214	M473	N823	N683		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
215	M474	N816	N817		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
216	M475	N733	N795		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
217	M476	N822	N715		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
218	M477	N827	N697		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
219	M478	N819	N670		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
220	M479	N831	N833		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
221	M480	N839	N731		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
222	M481	N834	N740		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
223	M482	N835	N760		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
224	M483	N836	N837		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
225	M484	N783	N720		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
226	M485	N684	N677		RIGID	None	None	RIGID	Typical
227	M486	N847	N848		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical

Member Primary Data (Continued)

	Label	I Node	J Node	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rule
228	M487	N830	N688		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
229	M488	N843	N853		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
230	M489	N854	N754		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
231	M490	N435	N770		6 INCH STUD	Beam	CS	A653 SS Gr33	Typical
232	M491	N852	N765		RIGID	None	None	RIGID	Typical
233	M492	N722	N684		RIGID	None	None	RIGID	Typical
234	M493	N441	N445		RIGID	None	None	RIGID	Typical
235	M494	N682	N738		RIGID	None	None	RIGID	Typical
236	M496	N861	N444		RIGID	None	None	RIGID	Typical
237	M497	N713	N671	180	L4X4X4	Beam	Single Angle	A992	Typical
238	M498	N863	N714	180	L4X4X4	Beam	Single Angle	A992	Typical
239	M499	N769	N707		RIGID	None	None	RIGID	Typical
240	M500	N811	N812		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
241	M501	N864	N865		RIGID	None	None	RIGID	Typical
242	M502	N865	N707	180	L4X4X4	Beam	Single Angle	A992	Typical
243	M503	N807	N686	180	L4X4X4	Beam	Single Angle	A992	Typical
244	M504	N696	N866	180	L4X4X4	Beam	Single Angle	A992	Typical
245	M505	N441	N757		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
246	M506	N727	N689		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
247	M507	N684	N763		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
248	M508	N792	N793		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
249	M509	N793	N737		HSS5X5X4	Column	Tube	A500 Gr.C RECT	Typical
250	M510	N870	N744		HSS4X4X4	Column	Tube	A500 Gr.C RECT	Typical
251	M511	N745	N869		HSS4X4X4	Column	Tube	A500 Gr.C RECT	Typical
252	M512	N743	N744		W14X22	Beam	Wide Flange	A992	Typical

Member Advanced Data

	Label	I Release	J Release	Physical	Deflection Ratio Options	Seismic DR
1	M5			Yes	Default	None
2	M6		BenPIN	Yes	** NA **	None
3	M7	BenPIN		Yes	Default	None
4	M8	BenPIN		Yes	** NA **	None
5	M9		BenPIN	Yes	** NA **	None
6	M10			Yes	Default	None
7	M11		BenPIN	Yes	** NA **	None
8	M12		BenPIN	Yes	** NA **	None
9	M13	BenPIN		Yes	** NA **	None
10	M14	BenPIN		Yes	Default	None
11	M15		BenPIN	Yes	** NA **	None
12	M16			Yes	Default	None
13	M17		BenPIN	Yes	** NA **	None
14	M18	BenPIN		Yes	** NA **	None
15	M19	BenPIN		Yes	Default	None
16	M38			Yes	Default	None
17	M39			Yes	Default	None
18	M40	BenPIN	AllPIN	Yes	** NA **	None
19	M41			Yes	Default	None
20	M42	BenPIN		Yes	Default	None
21	M43	BenPIN		Yes	Default	None
22	M44	BenPIN		Yes	Default	None
23	M45	BenPIN		Yes	Default	None
24	M46	BenPIN		Yes	Default	None
25	M47			Yes	Default	None
26	M48			Yes	Default	None
27	M49	AllPIN	BenPIN	Yes	** NA **	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Physical	Deflection Ratio Options	Seismic DR
28	M50	BenPIN		Yes	Default	None
29	M51	BenPIN		Yes	Default	None
30	M52	BenPIN		Yes	Default	None
31	M53	BenPIN		Yes	Default	None
32	M54	BenPIN		Yes	Default	None
33	M55	BenPIN		Yes	Default	None
34	M56	BenPIN		Yes	Default	None
35	M57	BenPIN		Yes	Default	None
36	M58	BenPIN		Yes	Default	None
37	M59	BenPIN		Yes	Default	None
38	M60	BenPIN		Yes	Default	None
39	M63	AllPIN	BenPIN	Yes	** NA **	None
40	M64	BenPIN		Yes	Default	None
41	M65	BenPIN		Yes	Default	None
42	M66	BenPIN		Yes	Default	None
43	M67	BenPIN		Yes	Default	None
44	M68	BenPIN		Yes	Default	None
45	M69	BenPIN		Yes	Default	None
46	M70	BenPIN		Yes	Default	None
47	M71	BenPIN		Yes	Default	None
48	M72			Yes	Default	None
49	M73			Yes	Default	None
50	M74	AllPIN	BenPIN	Yes	** NA **	None
51	M75	BenPIN		Yes	Default	None
52	M76	BenPIN		Yes	Default	None
53	M77	BenPIN		Yes	Default	None
54	M78	BenPIN		Yes	Default	None
55	M79	BenPIN		Yes	Default	None
56	M80	BenPIN		Yes	Default	None
57	M81	BenPIN		Yes	Default	None
58	M82	BenPIN		Yes	Default	None
59	M85			Yes	Default	None
60	M86	AllPIN	BenPIN	Yes	** NA **	None
61	M87	BenPIN		Yes	Default	None
62	M88	BenPIN		Yes	Default	None
63	M89	BenPIN		Yes	Default	None
64	M90	BenPIN		Yes	Default	None
65	M91	BenPIN		Yes	Default	None
66	M92	BenPIN		Yes	Default	None
67	M93	BenPIN		Yes	Default	None
68	M94	BenPIN		Yes	Default	None
69	M95			Yes	Default	None
70	M96	AllPIN	BenPIN	Yes	** NA **	None
71	M97	BenPIN		Yes	Default	None
72	M98	BenPIN		Yes	Default	None
73	M99	BenPIN		Yes	Default	None
74	M100	BenPIN		Yes	Default	None
75	M101	BenPIN		Yes	Default	None
76	M102	BenPIN		Yes	Default	None
77	M103	BenPIN		Yes	Default	None
78	M104	BenPIN		Yes	Default	None
79	M107	AllPIN	BenPIN	Yes	** NA **	None
80	M108			Yes	Default	None
81	M109	BenPIN		Yes	Default	None
82	M110	BenPIN		Yes	Default	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Physical	Deflection Ratio Options	Seismic DR
83	M111	BenPIN		Yes	Default	None
84	M112	BenPIN		Yes	Default	None
85	M113			Yes	Default	None
86	M114			Yes	Default	None
87	M115			Yes	Default	None
88	M116	AllPIN	BenPIN	Yes	** NA **	None
89	M117			Yes	Default	None
90	M118			Yes	Default	None
91	M119			Yes	Default	None
92	M120			Yes	Default	None
93	M121			Yes	Default	None
94	M122			Yes	Default	None
95	M123	BenPIN		Yes	Default	None
96	M124	BenPIN		Yes	Default	None
97	M125	BenPIN		Yes	Default	None
98	M126	BenPIN	AllPIN	Yes	** NA **	None
99	M127	BenPIN	AllPIN	Yes	** NA **	None
100	M128	BenPIN	AllPIN	Yes	** NA **	None
101	M129	BenPIN	AllPIN	Yes	** NA **	None
102	M130	BenPIN	AllPIN	Yes	** NA **	None
103	M131	BenPIN	AllPIN	Yes	** NA **	None
104	M132	BenPIN	AllPIN	Yes	** NA **	None
105	M133	BenPIN	AllPIN	Yes	** NA **	None
106	M134	BenPIN	BenPIN	Yes	Default	None
107	M135	BenPIN	BenPIN	Yes	Default	None
108	M136	BenPIN	BenPIN	Yes	** NA **	None
109	M137	BenPIN	BenPIN	Yes	** NA **	None
110	M138			Yes	Default	None
111	M139			Yes	Default	None
112	M140			Yes	Default	None
113	M141			Yes	Default	None
114	M142			Yes	Default	None
115	M143			Yes	Default	None
116	M144	BenPIN	BenPIN	Yes	** NA **	None
117	M145	BenPIN	BenPIN	Yes	** NA **	None
118	M146			Yes	Default	None
119	M147			Yes	Default	None
120	M148			Yes	Default	None
121	M149	BenPIN	BenPIN	Yes	** NA **	None
122	M150	BenPIN	BenPIN	Yes	** NA **	None
123	M154			Yes	Default	None
124	M156			Yes	Default	None
125	M151			Yes	Default	None
126	M255			Yes	Default	None
127	M256	BenPIN		Yes	Default	None
128	M257			Yes	Default	None
129	M258	BenPIN		Yes	Default	None
130	M259			Yes	Default	None
131	M260	BenPIN		Yes	Default	None
132	M261	BenPIN		Yes	Default	None
133	M262	BenPIN	AllPIN	Yes	** NA **	None
134	M392	BenPIN		Yes	** NA **	None
135	M393			Yes	Default	None
136	M394	BenPIN		Yes	Default	None
137	M395			Yes	Default	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Physical	Deflection Ratio Options	Seismic DR
138	M396	BenPIN		Yes	Default	None
139	M397	BenPIN		Yes	Default	None
140	M398	BenPIN		Yes	Default	None
141	M399	BenPIN		Yes	Default	None
142	M400			Yes	Default	None
143	M402		BenPIN	Yes	** NA **	None
144	M403	BenPIN		Yes	Default	None
145	M404	BenPIN		Yes	Default	None
146	M405			Yes	Default	None
147	M406	BenPIN	AllPIN	Yes	** NA **	None
148	M407	BenPIN		Yes	Default	None
149	M408	BenPIN	BenPIN	Yes	** NA **	None
150	M409	BenPIN		Yes	Default	None
151	M410			Yes	Default	None
152	M411			Yes	Default	None
153	M412	BenPIN		Yes	Default	None
154	M413			Yes	Default	None
155	M414	BenPIN		Yes	Default	None
156	M415			Yes	Default	None
157	M416	BenPIN		Yes	Default	None
158	M417	BenPIN	AllPIN	Yes	** NA **	None
159	M418	BenPIN	BenPIN	Yes	** NA **	None
160	M419	BenPIN		Yes	Default	None
161	M420	AllPIN	BenPIN	Yes	** NA **	None
162	M421			Yes	Default	None
163	M422	BenPIN	AllPIN	Yes	** NA **	None
164	M423	BenPIN		Yes	Default	None
165	M424	BenPIN		Yes	Default	None
166	M425	BenPIN	BenPIN	Yes	** NA **	None
167	M426			Yes	Default	None
168	M427	BenPIN		Yes	Default	None
169	M428	BenPIN		Yes	Default	None
170	M429	AllPIN	BenPIN	Yes	** NA **	None
171	M430	BenPIN		Yes	Default	None
172	M431	BenPIN		Yes	Default	None
173	M432	BenPIN		Yes	Default	None
174	M433	BenPIN		Yes	Default	None
175	M434			Yes	Default	None
176	M435			Yes	Default	None
177	M436			Yes	Default	None
178	M437	BenPIN		Yes	Default	None
179	M438	BenPIN		Yes	Default	None
180	M439	BenPIN		Yes	Default	None
181	M440	BenPIN		Yes	Default	None
182	M441			Yes	Default	None
183	M442	AllPIN	BenPIN	Yes	** NA **	None
184	M443		BenPIN	Yes	** NA **	None
185	M444			Yes	Default	None
186	M445			Yes	Default	None
187	M446	BenPIN		Yes	Default	None
188	M447		BenPIN	Yes	** NA **	None
189	M448			Yes	Default	None
190	M449	BenPIN		Yes	Default	None
191	M450			Yes	Default	None
192	M451	BenPIN		Yes	Default	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Physical	Deflection Ratio Options	Seismic DR
193	M452	BenPIN		Yes	Default	None
194	M453	BenPIN		Yes	Default	None
195	M454			Yes	Default	None
196	M455	BenPIN		Yes	Default	None
197	M456	BenPIN		Yes	Default	None
198	M457			Yes	Default	None
199	M458			Yes	Default	None
200	M459	BenPIN		Yes	Default	None
201	M460	BenPIN		Yes	Default	None
202	M461	BenPIN		Yes	** NA **	None
203	M462	BenPIN		Yes	Default	None
204	M463	BenPIN		Yes	Default	None
205	M464	BenPIN		Yes	Default	None
206	M465	BenPIN		Yes	Default	None
207	M466	AllPIN	BenPIN	Yes	** NA **	None
208	M467	BenPIN		Yes	** NA **	None
209	M468	BenPIN		Yes	Default	None
210	M469	BenPIN		Yes	Default	None
211	M470	BenPIN		Yes	Default	None
212	M471	BenPIN		Yes	Default	None
213	M472	BenPIN		Yes	Default	None
214	M473	BenPIN		Yes	Default	None
215	M474	BenPIN		Yes	Default	None
216	M475	BenPIN		Yes	Default	None
217	M476	BenPIN		Yes	Default	None
218	M477	BenPIN		Yes	Default	None
219	M478	BenPIN		Yes	Default	None
220	M479	BenPIN		Yes	Default	None
221	M480	BenPIN		Yes	Default	None
222	M481	BenPIN		Yes	Default	None
223	M482	BenPIN		Yes	Default	None
224	M483	BenPIN		Yes	Default	None
225	M484	BenPIN		Yes	Default	None
226	M485	BenPIN	AllPIN	Yes	** NA **	None
227	M486			Yes	Default	None
228	M487			Yes	Default	None
229	M488			Yes	Default	None
230	M489			Yes	Default	None
231	M490			Yes	Default	None
232	M491	BenPIN	AllPIN	Yes	** NA **	None
233	M492	BenPIN	AllPIN	Yes	** NA **	None
234	M493	BenPIN	AllPIN	Yes	** NA **	None
235	M494	BenPIN	AllPIN	Yes	** NA **	None
236	M496	BenPIN	BenPIN	Yes	** NA **	None
237	M497			Yes	Default	None
238	M498			Yes	Default	None
239	M499	BenPIN	BenPIN	Yes	** NA **	None
240	M500	AllPIN	BenPIN	Yes	** NA **	None
241	M501	BenPIN	BenPIN	Yes	** NA **	None
242	M502			Yes	Default	None
243	M503			Yes	Default	None
244	M504			Yes	Default	None
245	M505		BenPIN	Yes	** NA **	None
246	M506		BenPIN	Yes	** NA **	None
247	M507		BenPIN	Yes	** NA **	None

Member Advanced Data (Continued)

	Label	I Release	J Release	Physical	Deflection Ratio Options	Seismic DR
248	M508	AllPIN	BenPIN	Yes	** NA **	None
249	M509	AllPIN	BenPIN	Yes	** NA **	None
250	M510		BenPIN	Yes	** NA **	None
251	M511		BenPIN	Yes	** NA **	None
252	M512	BenPIN		Yes	Default	None

Member Distributed Loads (BLC 1 : DEAD)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M5	Y	-0.299	-0.299	0	%100
2	M7	Y	-0.299	-0.299	0	%100
3	M14	Y	-0.529	-0.529	0	%100
4	M10	Y	-0.529	-0.529	0	%100
5	M16	Y	-0.529	-0.529	0	%100
6	M19	Y	-0.529	-0.529	0	%100
7	M134	Y	0	0	11.833	25
8	M134	Y	0	0	11.833	25
9	M134	Y	-0.158	-0.158	11.833	25
10	M135	Y	-0.158	-0.158	11.833	25
11	M95	Y	250	250	0	%100
12	M13	Y	250	250	0	%100
13	M114	Y	250	250	0	%100
14	M71	Y	250	250	0	%100
15	M49	Y	250	250	0	%100
16	M135	Y	250	250	0	%100
17	M138	Y	250	250	0	%100
18	M73	Y	250	250	0	%100
19	M51	Y	250	250	0	%100
20	M7	Y	250	250	0	%100
21	M41	Y	250	250	0	%100
22	M39	Y	250	250	0	%100
23	M119	Y	250	250	0	%100
24	M91	Y	250	250	0	%100
25	M109	Y	250	250	0	%100
26	M125	Y	250	250	0	%100
27	M65	Y	250	250	0	%100
28	M140	Y	250	250	0	%100
29	M52	Y	250	250	0	%100
30	M74	Y	250	250	0	%100
31	M133	Y	250	250	0	%100
32	M137	Y	250	250	0	%100
33	M80	Y	250	250	0	%100
34	M134	Y	250	250	0	%100
35	M89	Y	250	250	0	%100
36	M96	Y	250	250	0	%100
37	M129	Y	250	250	0	%100
38	M116	Y	250	250	0	%100
39	M110	Y	250	250	0	%100
40	M144	Y	250	250	0	%100
41	M126	Y	250	250	0	%100
42	M127	Y	250	250	0	%100
43	M128	Y	250	250	0	%100
44	M130	Y	250	250	0	%100
45	M131	Y	250	250	0	%100
46	M132	Y	250	250	0	%100
47	M136	Y	250	250	0	%100

Member Distributed Loads (BLC 1 : DEAD) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
48	M5	Y	250	250	0	%100
49	M6	Y	250	250	0	%100
50	M8	Y	250	250	0	%100
51	M9	Y	250	250	0	%100
52	M10	Y	250	250	0	%100
53	M11	Y	250	250	0	%100
54	M12	Y	250	250	0	%100
55	M14	Y	250	250	0	%100
56	M15	Y	250	250	0	%100
57	M16	Y	250	250	0	%100
58	M17	Y	250	250	0	%100
59	M18	Y	250	250	0	%100
60	M19	Y	250	250	0	%100
61	M38	Y	250	250	0	%100
62	M40	Y	250	250	0	%100
63	M42	Y	250	250	0	%100
64	M43	Y	250	250	0	%100
65	M44	Y	250	250	0	%100
66	M45	Y	250	250	0	%100
67	M46	Y	250	250	0	%100
68	M47	Y	250	250	0	%100
69	M48	Y	250	250	0	%100
70	M50	Y	250	250	0	%100
71	M53	Y	250	250	0	%100
72	M54	Y	250	250	0	%100
73	M55	Y	250	250	0	%100
74	M150	Y	250	250	0	%100
75	M56	Y	250	250	0	%100
76	M57	Y	250	250	0	%100
77	M58	Y	250	250	0	%100
78	M59	Y	250	250	0	%100
79	M60	Y	250	250	0	%100
80	M63	Y	250	250	0	%100
81	M64	Y	250	250	0	%100
82	M66	Y	250	250	0	%100
83	M67	Y	250	250	0	%100
84	M68	Y	250	250	0	%100
85	M69	Y	250	250	0	%100
86	M70	Y	250	250	0	%100
87	M72	Y	250	250	0	%100
88	M75	Y	250	250	0	%100
89	M76	Y	250	250	0	%100
90	M77	Y	250	250	0	%100
91	M78	Y	250	250	0	%100
92	M79	Y	250	250	0	%100
93	M81	Y	250	250	0	%100
94	M82	Y	250	250	0	%100
95	M85	Y	250	250	0	%100
96	M86	Y	250	250	0	%100
97	M87	Y	250	250	0	%100
98	M88	Y	250	250	0	%100
99	M90	Y	250	250	0	%100
100	M92	Y	250	250	0	%100
101	M93	Y	250	250	0	%100
102	M94	Y	250	250	0	%100

Member Distributed Loads (BLC 1 : DEAD) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
103	M156	Y	250	250	0	%100
104	M97	Y	250	250	0	%100
105	M98	Y	250	250	0	%100
106	M99	Y	250	250	0	%100
107	M100	Y	250	250	0	%100
108	M101	Y	250	250	0	%100
109	M102	Y	250	250	0	%100
110	M103	Y	250	250	0	%100
111	M104	Y	250	250	0	%100
112	M107	Y	250	250	0	%100
113	M108	Y	250	250	0	%100
114	M111	Y	250	250	0	%100
115	M112	Y	250	250	0	%100
116	M113	Y	250	250	0	%100
117	M115	Y	250	250	0	%100
118	M117	Y	250	250	0	%100
119	M118	Y	250	250	0	%100
120	M120	Y	250	250	0	%100
121	M121	Y	250	250	0	%100
122	M122	Y	250	250	0	%100
123	M123	Y	250	250	0	%100
124	M124	Y	250	250	0	%100
125	M145	Y	250	250	0	%100
126	M149	Y	250	250	0	%100
127	M151	Y	250	250	0	%100
128	M139	Y	250	250	0	%100
129	M141	Y	250	250	0	%100
130	M142	Y	250	250	0	%100
131	M143	Y	250	250	0	%100
132	M146	Y	250	250	0	%100
133	M147	Y	250	250	0	%100
134	M148	Y	250	250	0	%100
135	M154	Y	250	250	0	%100
136	M125	Y	-250	-250	0	%100
137	M114	Y	-250	-250	0	%100
138	M7	Y	-250	-250	0	%100
139	M138	Y	-250	-250	0	%100
140	M91	Y	-250	-250	0	%100
141	M13	Y	-250	-250	0	%100
142	M119	Y	-250	-250	0	%100
143	M73	Y	-250	-250	0	%100
144	M95	Y	-250	-250	0	%100
145	M41	Y	-250	-250	0	%100
146	M135	Y	-250	-250	0	%100
147	M140	Y	-250	-250	0	%100
148	M39	Y	-250	-250	0	%100
149	M65	Y	-250	-250	0	%100
150	M49	Y	-250	-250	0	%100
151	M109	Y	-250	-250	0	%100
152	M51	Y	-250	-250	0	%100
153	M71	Y	-250	-250	0	%100
154	M52	Y	-250	-250	0	%100
155	M74	Y	-250	-250	0	%100
156	M133	Y	-250	-250	0	%100
157	M137	Y	-250	-250	0	%100

Member Distributed Loads (BLC 1 : DEAD) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
158	M80	Y	-250	-250	0	%100
159	M134	Y	-250	-250	0	%100
160	M89	Y	-250	-250	0	%100
161	M96	Y	-250	-250	0	%100
162	M129	Y	-250	-250	0	%100
163	M116	Y	-250	-250	0	%100
164	M110	Y	-250	-250	0	%100
165	M144	Y	-250	-250	0	%100
166	M126	Y	-250	-250	0	%100
167	M127	Y	-250	-250	0	%100
168	M128	Y	-250	-250	0	%100
169	M130	Y	-250	-250	0	%100
170	M131	Y	-250	-250	0	%100
171	M132	Y	-250	-250	0	%100
172	M136	Y	-250	-250	0	%100
173	M5	Y	-250	-250	0	%100
174	M6	Y	-250	-250	0	%100
175	M8	Y	-250	-250	0	%100
176	M9	Y	-250	-250	0	%100
177	M10	Y	-250	-250	0	%100
178	M11	Y	-250	-250	0	%100
179	M12	Y	-250	-250	0	%100
180	M14	Y	-250	-250	0	%100
181	M15	Y	-250	-250	0	%100
182	M16	Y	-250	-250	0	%100
183	M17	Y	-250	-250	0	%100
184	M18	Y	-250	-250	0	%100
185	M19	Y	-250	-250	0	%100
186	M38	Y	-250	-250	0	%100
187	M40	Y	-250	-250	0	%100
188	M42	Y	-250	-250	0	%100
189	M43	Y	-250	-250	0	%100
190	M44	Y	-250	-250	0	%100
191	M45	Y	-250	-250	0	%100
192	M46	Y	-250	-250	0	%100
193	M47	Y	-250	-250	0	%100
194	M48	Y	-250	-250	0	%100
195	M50	Y	-250	-250	0	%100
196	M53	Y	-250	-250	0	%100
197	M54	Y	-250	-250	0	%100
198	M55	Y	-250	-250	0	%100
199	M150	Y	-250	-250	0	%100
200	M56	Y	-250	-250	0	%100
201	M57	Y	-250	-250	0	%100
202	M58	Y	-250	-250	0	%100
203	M59	Y	-250	-250	0	%100
204	M60	Y	-250	-250	0	%100
205	M63	Y	-250	-250	0	%100
206	M64	Y	-250	-250	0	%100
207	M66	Y	-250	-250	0	%100
208	M67	Y	-250	-250	0	%100
209	M68	Y	-250	-250	0	%100
210	M69	Y	-250	-250	0	%100
211	M70	Y	-250	-250	0	%100
212	M72	Y	-250	-250	0	%100

Member Distributed Loads (BLC 1 : DEAD) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
213	M75	Y	-250	-250	0	%100
214	M76	Y	-250	-250	0	%100
215	M77	Y	-250	-250	0	%100
216	M78	Y	-250	-250	0	%100
217	M79	Y	-250	-250	0	%100
218	M81	Y	-250	-250	0	%100
219	M82	Y	-250	-250	0	%100
220	M85	Y	-250	-250	0	%100
221	M86	Y	-250	-250	0	%100
222	M87	Y	-250	-250	0	%100
223	M88	Y	-250	-250	0	%100
224	M90	Y	-250	-250	0	%100
225	M92	Y	-250	-250	0	%100
226	M93	Y	-250	-250	0	%100
227	M94	Y	-250	-250	0	%100
228	M156	Y	-250	-250	0	%100
229	M97	Y	-250	-250	0	%100
230	M98	Y	-250	-250	0	%100
231	M99	Y	-250	-250	0	%100
232	M100	Y	-250	-250	0	%100
233	M101	Y	-250	-250	0	%100
234	M102	Y	-250	-250	0	%100
235	M103	Y	-250	-250	0	%100
236	M104	Y	-250	-250	0	%100
237	M107	Y	-250	-250	0	%100
238	M108	Y	-250	-250	0	%100
239	M111	Y	-250	-250	0	%100
240	M112	Y	-250	-250	0	%100
241	M113	Y	-250	-250	0	%100
242	M115	Y	-250	-250	0	%100
243	M117	Y	-250	-250	0	%100
244	M118	Y	-250	-250	0	%100
245	M120	Y	-250	-250	0	%100
246	M121	Y	-250	-250	0	%100
247	M122	Y	-250	-250	0	%100
248	M123	Y	-250	-250	0	%100
249	M124	Y	-250	-250	0	%100
250	M145	Y	-250	-250	0	%100
251	M149	Y	-250	-250	0	%100
252	M151	Y	-250	-250	0	%100
253	M139	Y	-250	-250	0	%100
254	M141	Y	-250	-250	0	%100
255	M142	Y	-250	-250	0	%100
256	M143	Y	-250	-250	0	%100
257	M146	Y	-250	-250	0	%100
258	M147	Y	-250	-250	0	%100
259	M148	Y	-250	-250	0	%100
260	M154	Y	-250	-250	0	%100
261	M255	Y	250	250	0	%100
262	M255	Y	-250	-250	0	%100
263	M256	Y	250	250	0	%100
264	M256	Y	-250	-250	0	%100
265	M257	Y	-250	-250	0	%100
266	M257	Y	250	250	0	%100
267	M258	Y	250	250	0	%100

Member Distributed Loads (BLC 1 : DEAD) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
268	M258	Y	-250	-250	0	%100
269	M259	Y	-250	-250	0	%100
270	M259	Y	250	250	0	%100
271	M260	Y	250	250	0	%100
272	M260	Y	-250	-250	0	%100
273	M261	Y	-250	-250	0	%100
274	M261	Y	250	250	0	%100
275	M261	Y	-0.529	-0.529	0	%100
276	M262	Y	-250	-250	0	%100
277	M262	Y	250	250	0	%100
278	M392	Y	-250	-250	0	%100
279	M392	Y	250	250	0	%100
280	M393	Y	-250	-250	0	%100
281	M393	Y	250	250	0	%100
282	M394	Y	250	250	0	%100
283	M394	Y	-0.529	-0.529	0	%100
284	M394	Y	-250	-250	0	%100
285	M395	Y	-250	-250	0	%100
286	M395	Y	250	250	0	%100
287	M396	Y	-250	-250	0	%100
288	M396	Y	250	250	0	%100
289	M397	Y	-250	-250	0	%100
290	M397	Y	250	250	0	%100
291	M398	Y	-0.154	-0.154	1	14
292	M399	Y	250	250	0	%100
293	M399	Y	-250	-250	0	%100
294	M400	Y	-250	-250	0	%100
295	M400	Y	250	250	0	%100
296	M402	Y	250	250	0	%100
297	M402	Y	-250	-250	0	%100
298	M403	Y	-250	-250	0	%100
299	M403	Y	250	250	0	%100
300	M404	Y	-250	-250	0	%100
301	M404	Y	250	250	0	%100
302	M405	Y	-250	-250	0	%100
303	M405	Y	250	250	0	%100
304	M406	Y	250	250	0	%100
305	M406	Y	-250	-250	0	%100
306	M407	Y	250	250	0	%100
307	M407	Y	-250	-250	0	%100
308	M408	Y	-250	-250	0	%100
309	M408	Y	250	250	0	%100
310	M409	Y	-250	-250	0	%100
311	M409	Y	250	250	0	%100
312	M410	Y	250	250	0	%100
313	M410	Y	-250	-250	0	%100
314	M411	Y	250	250	0	%100
315	M411	Y	-250	-250	0	%100
316	M412	Y	-250	-250	0	%100
317	M412	Y	250	250	0	%100
318	M413	Y	250	250	0	%100
319	M413	Y	-250	-250	0	%100
320	M414	Y	-250	-250	0	%100
321	M414	Y	250	250	0	%100
322	M415	Y	250	250	0	%100

Member Distributed Loads (BLC 1 : DEAD) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
323	M415	Y	-250	-250	0	%100
324	M415	Y	-0.529	-0.529	0	%100
325	M416	Y	250	250	0	%100
326	M416	Y	-250	-250	0	%100
327	M417	Y	-250	-250	0	%100
328	M417	Y	250	250	0	%100
329	M418	Y	250	250	0	%100
330	M418	Y	-250	-250	0	%100
331	M419	Y	-250	-250	0	%100
332	M419	Y	250	250	0	%100
333	M420	Y	-250	-250	0	%100
334	M420	Y	250	250	0	%100
335	M421	Y	250	250	0	%100
336	M421	Y	-250	-250	0	%100
337	M422	Y	-250	-250	0	%100
338	M422	Y	250	250	0	%100
339	M423	Y	-250	-250	0	%100
340	M423	Y	250	250	0	%100
341	M424	Y	250	250	0	%100
342	M424	Y	-250	-250	0	%100
343	M425	Y	-250	-250	0	%100
344	M425	Y	250	250	0	%100
345	M426	Y	-250	-250	0	%100
346	M426	Y	250	250	0	%100
347	M427	Y	250	250	0	%100
348	M427	Y	-250	-250	0	%100
349	M428	Y	250	250	0	%100
350	M428	Y	-250	-250	0	%100
351	M429	Y	-250	-250	0	%100
352	M429	Y	250	250	0	%100
353	M430	Y	250	250	0	%100
354	M430	Y	-250	-250	0	%100
355	M431	Y	-250	-250	0	%100
356	M431	Y	250	250	0	%100
357	M432	Y	250	250	0	%100
358	M432	Y	-250	-250	0	%100
359	M433	Y	-250	-250	0	%100
360	M433	Y	250	250	0	%100
361	M434	Y	-250	-250	0	%100
362	M434	Y	250	250	0	%100
363	M434	Y	-0.299	-0.299	0	%100
364	M435	Y	250	250	0	%100
365	M435	Y	-250	-250	0	%100
366	M436	Y	-250	-250	0	%100
367	M436	Y	250	250	0	%100
368	M437	Y	250	250	0	%100
369	M437	Y	-0.299	-0.299	0	%100
370	M437	Y	-250	-250	0	%100
371	M438	Y	-250	-250	0	%100
372	M438	Y	250	250	0	%100
373	M439	Y	250	250	0	%100
374	M439	Y	-250	-250	0	%100
375	M440	Y	-250	-250	0	%100
376	M440	Y	250	250	0	%100
377	M441	Y	-0.529	-0.529	0	%100

Member Distributed Loads (BLC 1 : DEAD) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
378	M441	Y	-250	-250	0	%100
379	M441	Y	250	250	0	%100
380	M442	Y	-250	-250	0	%100
381	M442	Y	250	250	0	%100
382	M443	Y	250	250	0	%100
383	M443	Y	-250	-250	0	%100
384	M444	Y	-250	-250	0	%100
385	M444	Y	250	250	0	%100
386	M445	Y	-250	-250	0	%100
387	M445	Y	250	250	0	%100
388	M446	Y	-250	-250	0	%100
389	M446	Y	250	250	0	%100
390	M447	Y	250	250	0	%100
391	M447	Y	-250	-250	0	%100
392	M448	Y	-250	-250	0	%100
393	M448	Y	250	250	0	%100
394	M449	Y	-250	-250	0	%100
395	M449	Y	250	250	0	%100
396	M450	Y	-250	-250	0	%100
397	M450	Y	250	250	0	%100
398	M451	Y	-250	-250	0	%100
399	M451	Y	250	250	0	%100
400	M452	Y	-250	-250	0	%100
401	M452	Y	250	250	0	%100
402	M453	Y	-250	-250	0	%100
403	M453	Y	250	250	0	%100
404	M454	Y	-250	-250	0	%100
405	M454	Y	250	250	0	%100
406	M455	Y	-250	-250	0	%100
407	M455	Y	250	250	0	%100
408	M456	Y	250	250	0	%100
409	M456	Y	-250	-250	0	%100
410	M457	Y	250	250	0	%100
411	M457	Y	-250	-250	0	%100
412	M458	Y	-250	-250	0	%100
413	M458	Y	250	250	0	%100
414	M459	Y	-250	-250	0	%100
415	M459	Y	250	250	0	%100
416	M460	Y	250	250	0	%100
417	M460	Y	-250	-250	0	%100
418	M461	Y	250	250	0	%100
419	M461	Y	-250	-250	0	%100
420	M462	Y	250	250	0	%100
421	M462	Y	-250	-250	0	%100
422	M463	Y	-250	-250	0	%100
423	M463	Y	250	250	0	%100
424	M464	Y	250	250	0	%100
425	M464	Y	-250	-250	0	%100
426	M465	Y	250	250	0	%100
427	M465	Y	-250	-250	0	%100
428	M466	Y	250	250	0	%100
429	M466	Y	-250	-250	0	%100
430	M467	Y	-250	-250	0	%100
431	M467	Y	250	250	0	%100
432	M468	Y	250	250	0	%100

Member Distributed Loads (BLC 1 : DEAD) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
433	M468	Y	-250	-250	0	%100
434	M469	Y	250	250	0	%100
435	M469	Y	-250	-250	0	%100
436	M470	Y	-250	-250	0	%100
437	M470	Y	250	250	0	%100
438	M471	Y	-250	-250	0	%100
439	M471	Y	250	250	0	%100
440	M472	Y	-250	-250	0	%100
441	M472	Y	250	250	0	%100
442	M473	Y	250	250	0	%100
443	M473	Y	-250	-250	0	%100
444	M474	Y	250	250	0	%100
445	M474	Y	-250	-250	0	%100
446	M475	Y	-250	-250	0	%100
447	M475	Y	250	250	0	%100
448	M476	Y	-250	-250	0	%100
449	M476	Y	250	250	0	%100
450	M477	Y	-250	-250	0	%100
451	M477	Y	250	250	0	%100
452	M478	Y	250	250	0	%100
453	M478	Y	-250	-250	0	%100
454	M479	Y	250	250	0	%100
455	M479	Y	-250	-250	0	%100
456	M480	Y	250	250	0	%100
457	M480	Y	-250	-250	0	%100
458	M481	Y	-250	-250	0	%100
459	M481	Y	250	250	0	%100
460	M482	Y	250	250	0	%100
461	M482	Y	-250	-250	0	%100
462	M483	Y	-250	-250	0	%100
463	M483	Y	250	250	0	%100
464	M484	Y	-250	-250	0	%100
465	M484	Y	250	250	0	%100
466	M485	Y	250	250	0	%100
467	M485	Y	-250	-250	0	%100
468	M486	Y	250	250	0	%100
469	M486	Y	-250	-250	0	%100
470	M487	Y	250	250	0	%100
471	M487	Y	-250	-250	0	%100
472	M488	Y	250	250	0	%100
473	M488	Y	-250	-250	0	%100
474	M489	Y	250	250	0	%100
475	M489	Y	-250	-250	0	%100
476	M490	Y	-250	-250	0	%100
477	M490	Y	250	250	0	%100
478	M491	Y	-250	-250	0	%100
479	M491	Y	250	250	0	%100
480	M492	Y	-250	-250	0	%100
481	M492	Y	250	250	0	%100
482	M493	Y	-250	-250	0	%100
483	M493	Y	250	250	0	%100
484	M494	Y	-250	-250	0	%100
485	M494	Y	250	250	0	%100
486	M496	Y	-250	-250	0	%100
487	M496	Y	250	250	0	%100

Member Distributed Loads (BLC 1 : DEAD) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
488	M497	Y	-250	-250	0	%100
489	M497	Y	250	250	0	%100
490	M498	Y	-250	-250	0	%100
491	M498	Y	250	250	0	%100
492	M499	Y	250	250	0	%100
493	M499	Y	-250	-250	0	%100
494	M500	Y	250	250	0	%100
495	M500	Y	-250	-250	0	%100
496	M501	Y	-250	-250	0	%100
497	M501	Y	250	250	0	%100
498	M502	Y	250	250	0	%100
499	M502	Y	-250	-250	0	%100
500	M503	Y	250	250	0	%100
501	M503	Y	-250	-250	0	%100
502	M504	Y	250	250	0	%100
503	M504	Y	-250	-250	0	%100
504	M505	Y	-250	-250	0	%100
505	M505	Y	250	250	0	%100
506	M506	Y	-250	-250	0	%100
507	M506	Y	250	250	0	%100
508	M507	Y	250	250	0	%100
509	M507	Y	-250	-250	0	%100
510	M508	Y	-250	-250	0	%100
511	M508	Y	250	250	0	%100
512	M509	Y	-250	-250	0	%100
513	M509	Y	250	250	0	%100
514	M512	Y	-0.154	-0.154	1	14

Member Distributed Loads (BLC 2 : ROOF)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M5	Y	-0.52	-0.52	0	%100
2	M7	Y	-0.52	-0.52	0	%100
3	M10	Y	-0.52	-0.52	0	%100
4	M14	Y	-0.52	-0.52	0	%100
5	M19	Y	-0.52	-0.52	0	%100
6	M16	Y	-0.52	-0.52	0	%100
7	M261	Y	-0.52	-0.52	0	%100
8	M394	Y	-0.52	-0.52	0	%100
9	M415	Y	-0.52	-0.52	0	%100
10	M434	Y	-0.52	-0.52	0	%100
11	M437	Y	-0.52	-0.52	0	%100
12	M441	Y	-0.52	-0.52	0	%100

Member Distributed Loads (BLC 3 : SNOW)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M7	Y	-0.325	-0.325	0	%100
2	M5	Y	-0.325	-0.325	0	%100
3	M14	Y	-0.65	-0.65	0	%100
4	M10	Y	-0.65	-0.65	0	%100
5	M19	Y	-0.65	-0.65	0	%100
6	M16	Y	-0.65	-0.65	0	%100
7	M134	Y	-0.091	-0.091	11.833	25
8	M135	Y	-0.091	-0.091	11.833	25

Member Distributed Loads (BLC 3 : SNOW) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
9	M261	Y	-0.65	-0.65	0	%100
10	M394	Y	-0.65	-0.65	0	%100
11	M398	Y	-0.089	-0.089	1	14
12	M415	Y	-0.65	-0.65	0	%100
13	M434	Y	-0.325	-0.325	0	%100
14	M437	Y	-0.325	-0.325	0	%100
15	M441	Y	-0.65	-0.65	0	%100
16	M512	Y	-0.089	-0.089	1	14

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M119	Y	-0.007	-0.007	9.726e-14	19.625
2	M120	Y	-0.013	-0.013	7.622e-14	19.625
3	M121	Y	-0.01	-0.01	9.051e-14	19.625
4	M122	Y	-0.004	-0.004	1.055e-13	19.625
5	M115	Y	-0.007	-0.007	7.167	19.625
6	M117	Y	-0.013	-0.013	1.496e-13	12.458
7	M118	Y	-0.01	-0.01	1.015e-13	12.458
8	M119	Y	-0.003	-0.003	7.167	19.625
9	M108	Y	-0.007	-0.007	1.6e-13	19.625
10	M113	Y	-0.013	-0.013	1.338e-13	19.625
11	M114	Y	-0.012	-0.012	1.703e-13	19.625
12	M115	Y	-0.005	-0.005	8.674e-14	19.625
13	M116	Y	-0.01	-0.01	0	0.126
14	M17	Y	2.827e-6	-0.004	8.48	9.01
15	M17	Y	-0.004	-0.009	9.01	9.54
16	M17	Y	-0.009	-0.009	9.54	10.07
17	M17	Y	-0.009	-0.011	10.07	10.6
18	M17	Y	-0.011	-0.011	10.6	11.13
19	M17	Y	-0.011	-0.009	11.13	11.66
20	M17	Y	-0.009	-0.009	11.66	12.19
21	M17	Y	-0.009	-0.009	12.19	12.72
22	M17	Y	-0.009	-0.009	12.72	13.25
23	M17	Y	-0.009	-0.009	13.25	13.78
24	M17	Y	-0.009	-0.009	13.78	14.31
25	M17	Y	-0.009	-0.009	14.31	14.84
26	M17	Y	-0.009	-0.011	14.84	15.37
27	M17	Y	-0.011	-0.01	15.37	15.9
28	M17	Y	-0.01	-0.009	15.9	16.43
29	M17	Y	-0.009	-0.009	16.43	16.96
30	M95	Y	-0.007	-0.007	9	19.625
31	M97	Y	-0.013	-0.013	2.47e-14	10.625
32	M98	Y	-0.013	-0.013	7.672e-14	10.625
33	M99	Y	-0.013	-0.013	6.053e-14	10.625
34	M100	Y	-0.013	-0.013	6.5e-14	10.625
35	M101	Y	-0.013	-0.013	7.633e-14	10.625
36	M102	Y	-0.013	-0.013	7.111e-14	10.625
37	M103	Y	-0.013	-0.013	6.176e-14	10.625
38	M104	Y	-0.013	-0.013	6.75e-14	10.625
39	M108	Y	-0.004	-0.004	9	19.625
40	M109	Y	-0.013	-0.013	0	0.531
41	M109	Y	-0.013	-0.013	0.531	1.062
42	M109	Y	-0.013	-0.013	1.062	1.594
43	M109	Y	-0.013	-0.016	1.594	2.125
44	M109	Y	-0.016	-0.016	2.125	2.656

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
45	M109	Y	-0.016	-0.013	2.656	3.188
46	M109	Y	-0.013	-0.013	3.188	3.719
47	M109	Y	-0.013	-0.013	3.719	4.25
48	M109	Y	-0.013	-0.013	4.25	4.781
49	M109	Y	-0.013	-0.013	4.781	5.312
50	M109	Y	-0.013	-0.013	5.312	5.844
51	M109	Y	-0.013	-0.013	5.844	6.375
52	M109	Y	-0.013	-0.014	6.375	6.906
53	M109	Y	-0.014	-0.014	6.906	7.438
54	M109	Y	-0.014	-0.016	7.438	7.969
55	M109	Y	-0.016	-0.017	7.969	8.5
56	M109	Y	-0.017	-0.015	8.5	9.031
57	M109	Y	-0.015	-0.015	9.031	9.562
58	M109	Y	-0.015	-0.015	9.562	10.094
59	M109	Y	-0.015	-0.015	10.094	10.625
60	M110	Y	-0.013	-0.013	1.989e-13	10.625
61	M111	Y	-0.013	-0.013	1.483e-13	10.625
62	M112	Y	-0.011	-0.011	1.286e-13	10.625
63	M125	Y	-0.009	-0.009	0	0.531
64	M125	Y	-0.009	-0.009	0.531	1.062
65	M125	Y	-0.009	-0.009	1.062	1.594
66	M125	Y	-0.009	-0.011	1.594	2.125
67	M125	Y	-0.011	-0.011	2.125	2.656
68	M125	Y	-0.011	-0.009	2.656	3.188
69	M125	Y	-0.009	-0.009	3.188	3.719
70	M125	Y	-0.009	-0.009	3.719	4.25
71	M125	Y	-0.009	-0.009	4.25	4.781
72	M125	Y	-0.009	-0.009	4.781	5.312
73	M125	Y	-0.009	-0.009	5.312	5.844
74	M125	Y	-0.009	-0.009	5.844	6.375
75	M125	Y	-0.009	-0.009	6.375	6.906
76	M125	Y	-0.009	-0.009	6.906	7.438
77	M125	Y	-0.009	-0.014	7.438	7.969
78	M125	Y	-0.014	-0.018	7.969	8.5
79	M125	Y	-0.018	-0.015	8.5	9.031
80	M125	Y	-0.015	-0.015	9.031	9.562
81	M125	Y	-0.015	-0.015	9.562	10.094
82	M125	Y	-0.015	-0.015	10.094	10.625
83	M85	Y	-0.005	-0.005	2.376e-14	19.625
84	M95	Y	-0.005	-0.005	2.587e-14	19.625
85	M12	Y	-0.017	-0.017	9	16.842
86	M73	Y	-0.007	-0.007	9	19.625
87	M75	Y	-0.012	-0.012	5.21e-14	10.625
88	M76	Y	-0.012	-0.012	4.619e-14	10.625
89	M77	Y	-0.015	-0.015	6.528e-14	10.625
90	M78	Y	-0.012	-0.012	4.649e-14	10.625
91	M79	Y	-0.012	-0.012	3.617e-14	10.625
92	M80	Y	-0.015	-0.015	5.371e-14	10.625
93	M81	Y	-0.012	-0.012	4.607e-14	10.625
94	M82	Y	-0.015	-0.015	6.611e-14	0.253
95	M82	Y	-0.015	-0.015	0.253	0.506
96	M82	Y	-0.015	-0.015	0.506	0.759
97	M82	Y	-0.015	-0.015	0.759	1.012
98	M82	Y	-0.015	-0.015	1.012	1.265
99	M82	Y	-0.015	-0.015	1.265	1.518

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
100	M82	Y	-0.015	-0.015	1.518	1.771
101	M82	Y	-0.015	-0.015	1.771	2.024
102	M82	Y	-0.015	-0.015	2.024	2.277
103	M82	Y	-0.015	-0.015	2.277	2.53
104	M82	Y	-0.015	-0.015	2.53	2.783
105	M82	Y	-0.015	-0.015	2.783	3.036
106	M82	Y	-0.015	-0.015	3.036	3.289
107	M82	Y	-0.015	-0.015	3.289	3.542
108	M82	Y	-0.015	-0.015	3.542	3.795
109	M82	Y	-0.015	-0.015	3.795	4.048
110	M82	Y	-0.015	-0.015	4.048	4.301
111	M82	Y	-0.015	-0.015	4.301	4.554
112	M82	Y	-0.015	-0.015	4.554	4.807
113	M82	Y	-0.015	-0.015	4.807	5.06
114	M82	Y	-0.015	-0.015	5.06	5.313
115	M82	Y	-0.015	-0.015	5.313	5.565
116	M82	Y	-0.015	-0.015	5.565	5.818
117	M82	Y	-0.015	-0.015	5.818	6.071
118	M82	Y	-0.015	-0.015	6.071	6.324
119	M82	Y	-0.015	-0.015	6.324	6.577
120	M82	Y	-0.015	-0.015	6.577	6.83
121	M82	Y	-0.015	-0.015	6.83	7.083
122	M82	Y	-0.015	-0.015	7.083	7.336
123	M82	Y	-0.015	-0.015	7.336	7.589
124	M82	Y	-0.015	-0.019	7.589	7.842
125	M82	Y	-0.019	-0.022	7.842	8.095
126	M82	Y	-0.022	-0.022	8.095	8.348
127	M82	Y	-0.022	-0.022	8.348	8.601
128	M82	Y	-0.022	-0.022	8.601	8.854
129	M82	Y	-0.022	-0.022	8.854	9.107
130	M82	Y	-0.022	-0.022	9.107	9.36
131	M82	Y	-0.022	-0.022	9.36	9.613
132	M82	Y	-0.022	-0.022	9.613	9.866
133	M82	Y	-0.022	-0.022	9.866	10.119
134	M82	Y	-0.022	-0.022	10.119	10.372
135	M82	Y	-0.022	-0.022	10.372	10.625
136	M85	Y	-0.002	-0.002	9	19.625
137	M87	Y	-0.013	-0.012	6.353e-14	0.253
138	M87	Y	-0.012	-0.012	0.253	0.506
139	M87	Y	-0.012	-0.012	0.506	0.759
140	M87	Y	-0.012	-0.012	0.759	1.012
141	M87	Y	-0.012	-0.012	1.012	1.265
142	M87	Y	-0.012	-0.012	1.265	1.518
143	M87	Y	-0.012	-0.012	1.518	1.771
144	M87	Y	-0.012	-0.012	1.771	2.024
145	M87	Y	-0.012	-0.012	2.024	2.277
146	M87	Y	-0.012	-0.012	2.277	2.53
147	M87	Y	-0.012	-0.012	2.53	2.783
148	M87	Y	-0.012	-0.012	2.783	3.036
149	M87	Y	-0.012	-0.012	3.036	3.289
150	M87	Y	-0.012	-0.012	3.289	3.542
151	M87	Y	-0.012	-0.012	3.542	3.795
152	M87	Y	-0.012	-0.012	3.795	4.048
153	M87	Y	-0.012	-0.012	4.048	4.301
154	M87	Y	-0.012	-0.012	4.301	4.554

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
155	M87	Y	-0.012	-0.012	4.554	4.807
156	M87	Y	-0.012	-0.012	4.807	5.06
157	M87	Y	-0.012	-0.012	5.06	5.313
158	M87	Y	-0.012	-0.012	5.313	5.565
159	M87	Y	-0.012	-0.012	5.565	5.818
160	M87	Y	-0.012	-0.012	5.818	6.071
161	M87	Y	-0.012	-0.012	6.071	6.324
162	M87	Y	-0.012	-0.012	6.324	6.577
163	M87	Y	-0.012	-0.012	6.577	6.83
164	M87	Y	-0.012	-0.012	6.83	7.083
165	M87	Y	-0.012	-0.012	7.083	7.336
166	M87	Y	-0.012	-0.012	7.336	7.589
167	M87	Y	-0.012	-0.017	7.589	7.842
168	M87	Y	-0.017	-0.022	7.842	8.095
169	M87	Y	-0.022	-0.022	8.095	8.348
170	M87	Y	-0.022	-0.022	8.348	8.601
171	M87	Y	-0.022	-0.022	8.601	8.854
172	M87	Y	-0.022	-0.022	8.854	9.107
173	M87	Y	-0.022	-0.022	9.107	9.36
174	M87	Y	-0.022	-0.022	9.36	9.613
175	M87	Y	-0.022	-0.022	9.613	9.866
176	M87	Y	-0.022	-0.022	9.866	10.119
177	M87	Y	-0.022	-0.022	10.119	10.372
178	M87	Y	-0.022	-0.022	10.372	10.625
179	M88	Y	-0.012	-0.012	8.984e-14	10.625
180	M89	Y	-0.015	-0.015	5.92e-14	10.625
181	M90	Y	-0.012	-0.012	3.791e-14	10.625
182	M91	Y	-0.012	-0.012	6.015e-14	10.625
183	M92	Y	-0.015	-0.015	6.542e-14	10.625
184	M93	Y	-0.012	-0.012	7.014e-14	10.625
185	M94	Y	-0.012	-0.012	7.341e-14	10.625
186	M124	Y	-0.01	-0.01	4.705e-14	10.625
187	M72	Y	-0.005	-0.005	4.516e-14	19.625
188	M73	Y	-0.005	-0.005	2.986e-14	19.625
189	M6	Y	5.032e-6	-0.003	8.121	8.628
190	M6	Y	-0.003	-0.009	8.628	9.136
191	M6	Y	-0.009	-0.009	9.136	9.643
192	M6	Y	-0.009	-0.009	9.643	10.151
193	M6	Y	-0.009	-0.011	10.151	10.658
194	M6	Y	-0.011	-0.011	10.658	11.166
195	M6	Y	-0.011	-0.011	11.166	11.674
196	M6	Y	-0.011	-0.011	11.674	12.181
197	M6	Y	-0.011	-0.011	12.181	12.689
198	M6	Y	-0.011	-0.011	12.689	13.196
199	M6	Y	-0.011	-0.011	13.196	13.704
200	M6	Y	-0.011	-0.011	13.704	14.211
201	M6	Y	-0.011	-0.011	14.211	14.719
202	M6	Y	-0.011	-0.011	14.719	15.226
203	M6	Y	-0.011	-0.011	15.226	15.734
204	M6	Y	-0.011	-0.012	15.734	16.241
205	M48	Y	-0.007	-0.007	9	19.625
206	M50	Y	-0.013	-0.013	2.573e-14	10.625
207	M51	Y	-0.013	-0.013	1.191e-14	10.625
208	M52	Y	-0.013	-0.013	1.174e-14	10.625
209	M53	Y	-0.013	-0.013	3.256e-14	10.625

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
210	M54	Y	-0.013	-0.013	1.99e-14	10.625
211	M55	Y	-0.013	-0.013	6.339e-14	10.625
212	M56	Y	-0.013	-0.013	2.756e-14	10.625
213	M57	Y	-0.013	-0.013	3.089e-14	10.625
214	M58	Y	-0.013	-0.013	2.023e-14	10.625
215	M59	Y	-0.013	-0.013	3.186e-14	10.625
216	M60	Y	-0.011	-0.011	0	0.531
217	M60	Y	-0.011	-0.011	0.531	1.062
218	M60	Y	-0.011	-0.011	1.062	1.594
219	M60	Y	-0.011	-0.011	1.594	2.125
220	M60	Y	-0.011	-0.013	2.125	2.656
221	M60	Y	-0.013	-0.013	2.656	3.188
222	M60	Y	-0.013	-0.011	3.188	3.719
223	M60	Y	-0.011	-0.011	3.719	4.25
224	M60	Y	-0.011	-0.011	4.25	4.781
225	M60	Y	-0.011	-0.011	4.781	5.312
226	M60	Y	-0.011	-0.011	5.312	5.844
227	M60	Y	-0.011	-0.011	5.844	6.375
228	M60	Y	-0.011	-0.012	6.375	6.906
229	M60	Y	-0.012	-0.015	6.906	7.438
230	M60	Y	-0.015	-0.02	7.438	7.969
231	M60	Y	-0.02	-0.021	7.969	8.5
232	M60	Y	-0.021	-0.017	8.5	9.031
233	M60	Y	-0.017	-0.017	9.031	9.562
234	M60	Y	-0.017	-0.017	9.562	10.094
235	M60	Y	-0.017	-0.017	10.094	10.625
236	M64	Y	-0.013	-0.013	0	0.531
237	M64	Y	-0.013	-0.013	0.531	1.062
238	M64	Y	-0.013	-0.013	1.062	1.594
239	M64	Y	-0.013	-0.014	1.594	2.125
240	M64	Y	-0.014	-0.015	2.125	2.656
241	M64	Y	-0.015	-0.014	2.656	3.188
242	M64	Y	-0.014	-0.013	3.188	3.719
243	M64	Y	-0.013	-0.013	3.719	4.25
244	M64	Y	-0.013	-0.013	4.25	4.781
245	M64	Y	-0.013	-0.013	4.781	5.312
246	M64	Y	-0.013	-0.013	5.312	5.844
247	M64	Y	-0.013	-0.013	5.844	6.375
248	M64	Y	-0.013	-0.014	6.375	6.906
249	M64	Y	-0.014	-0.015	6.906	7.438
250	M64	Y	-0.015	-0.021	7.438	7.969
251	M64	Y	-0.021	-0.021	7.969	8.5
252	M64	Y	-0.021	-0.017	8.5	9.031
253	M64	Y	-0.017	-0.017	9.031	9.562
254	M64	Y	-0.017	-0.017	9.562	10.094
255	M64	Y	-0.017	-0.017	10.094	10.625
256	M65	Y	-0.013	-0.013	4.646e-14	10.625
257	M66	Y	-0.013	-0.013	7.278e-14	10.625
258	M67	Y	-0.013	-0.013	7.391e-14	10.625
259	M68	Y	-0.013	-0.013	8.513e-14	10.625
260	M69	Y	-0.013	-0.013	6.625e-14	10.625
261	M70	Y	-0.013	-0.013	4.396e-14	10.625
262	M71	Y	-0.013	-0.013	7.361e-14	10.625
263	M72	Y	-0.003	-0.003	9	19.625
264	M123	Y	-0.009	-0.009	7.816e-14	10.625

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
265	M47	Y	-0.005	-0.005	2.542e-14	19.625
266	M48	Y	-0.005	-0.005	1.06e-14	19.625
267	M41	Y	-0.007	-0.007	9	19.625
268	M42	Y	-0.013	-0.013	3.056e-14	10.625
269	M43	Y	-0.013	-0.013	4.358e-15	10.625
270	M44	Y	-0.013	-0.013	0	10.625
271	M45	Y	-0.013	-0.013	0	0.531
272	M45	Y	-0.013	-0.013	0.531	1.062
273	M45	Y	-0.013	-0.014	1.062	1.594
274	M45	Y	-0.014	-0.016	1.594	2.125
275	M45	Y	-0.016	-0.015	2.125	2.656
276	M45	Y	-0.015	-0.012	2.656	3.188
277	M45	Y	-0.012	-0.013	3.188	3.719
278	M45	Y	-0.013	-0.013	3.719	4.25
279	M45	Y	-0.013	-0.014	4.25	4.781
280	M45	Y	-0.014	-0.013	4.781	5.312
281	M45	Y	-0.013	-0.013	5.312	5.844
282	M45	Y	-0.013	-0.013	5.844	6.375
283	M45	Y	-0.013	-0.013	6.375	6.906
284	M45	Y	-0.013	-0.013	6.906	7.438
285	M45	Y	-0.013	-0.014	7.438	7.969
286	M45	Y	-0.014	-0.015	7.969	8.5
287	M45	Y	-0.015	-0.013	8.5	9.031
288	M45	Y	-0.013	-0.014	9.031	9.562
289	M45	Y	-0.014	-0.013	9.562	10.094
290	M45	Y	-0.013	-0.013	10.094	10.625
291	M46	Y	-0.008	-0.008	0	0.531
292	M46	Y	-0.008	-0.008	0.531	1.062
293	M46	Y	-0.008	-0.008	1.062	1.594
294	M46	Y	-0.008	-0.007	1.594	2.125
295	M46	Y	-0.007	-0.008	2.125	2.656
296	M46	Y	-0.008	-0.009	2.656	3.188
297	M46	Y	-0.009	-0.009	3.188	3.719
298	M46	Y	-0.009	-0.008	3.719	4.25
299	M46	Y	-0.008	-0.008	4.25	4.781
300	M46	Y	-0.008	-0.008	4.781	5.312
301	M46	Y	-0.008	-0.008	5.312	5.844
302	M46	Y	-0.008	-0.008	5.844	6.375
303	M46	Y	-0.008	-0.009	6.375	6.906
304	M46	Y	-0.009	-0.008	6.906	7.438
305	M46	Y	-0.008	-0.008	7.438	7.969
306	M46	Y	-0.008	-0.008	7.969	8.5
307	M46	Y	-0.008	-0.008	8.5	9.031
308	M46	Y	-0.008	-0.008	9.031	9.562
309	M46	Y	-0.008	-0.008	9.562	10.094
310	M46	Y	-0.008	-0.008	10.094	10.625
311	M47	Y	2.599e-6	2.599e-6	7.85	8.385
312	M47	Y	2.599e-6	-0.0004845	8.385	8.92
313	M47	Y	-0.0004845	-0.001	8.92	9.456
314	M47	Y	-0.001	-0.002	9.456	9.991
315	M47	Y	-0.002	-0.001	9.991	10.526
316	M47	Y	-0.001	-0.001	10.526	11.061
317	M47	Y	-0.001	-0.001	11.061	11.597
318	M47	Y	-0.001	-0.001	11.597	12.132
319	M47	Y	-0.001	-0.002	12.132	12.667

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
320	M47	Y	-0.002	-0.002	12.667	13.202
321	M47	Y	-0.002	-0.001	13.202	13.737
322	M47	Y	-0.001	-0.001	13.737	14.273
323	M47	Y	-0.001	-0.001	14.273	14.808
324	M47	Y	-0.001	-0.001	14.808	15.343
325	M47	Y	-0.001	-0.001	15.343	15.878
326	M47	Y	-0.001	-0.002	15.878	16.414
327	M47	Y	-0.002	-0.002	16.414	16.949
328	M47	Y	-0.002	-0.001	16.949	17.484
329	M47	Y	-0.001	-0.001	17.484	18.019
330	M47	Y	-0.001	-0.001	18.019	18.555
331	M47	Y	-0.001	-0.001	18.555	19.09
332	M47	Y	-0.001	-0.002	19.09	19.625
333	M38	Y	-0.007	-0.007	1.396e-14	19.625
334	M39	Y	-0.013	-0.013	2.323e-14	19.625
335	M41	Y	-0.007	-0.007	2.021e-14	19.625
336	M136	Y	-0.003	-0.009	2.22e-16	0.25
337	M136	Y	-0.009	-0.015	0.25	0.5
338	M136	Y	-0.015	-0.02	0.5	0.75
339	M136	Y	-0.02	-0.026	0.75	1
340	M136	Y	-0.026	-0.032	1	1.25
341	M136	Y	-0.032	-0.038	1.25	1.5
342	M136	Y	-0.038	-0.043	1.5	1.75
343	M136	Y	-0.043	-0.046	1.75	2
344	M136	Y	-0.046	-0.043	2	2.25
345	M136	Y	-0.043	-0.038	2.25	2.5
346	M136	Y	-0.038	-0.032	2.5	2.75
347	M136	Y	-0.032	-0.026	2.75	3
348	M136	Y	-0.026	-0.02	3	3.25
349	M136	Y	-0.02	-0.015	3.25	3.5
350	M136	Y	-0.015	-0.009	3.5	3.75
351	M136	Y	-0.009	-0.003	3.75	4
352	M138	Y	-0.003	-0.009	0.25	0.5
353	M138	Y	-0.009	-0.015	0.5	0.75
354	M138	Y	-0.015	-0.02	0.75	1
355	M138	Y	-0.02	-0.026	1	1.25
356	M138	Y	-0.026	-0.032	1.25	1.5
357	M138	Y	-0.032	-0.038	1.5	1.75
358	M138	Y	-0.038	-0.043	1.75	2
359	M138	Y	-0.043	-0.043	2	2.25
360	M138	Y	-0.043	-0.038	2.25	2.5
361	M138	Y	-0.038	-0.032	2.5	2.75
362	M138	Y	-0.032	-0.026	2.75	3
363	M138	Y	-0.026	-0.02	3	3.25
364	M138	Y	-0.02	-0.015	3.25	3.5
365	M138	Y	-0.015	-0.009	3.5	3.75
366	M138	Y	-0.009	-0.003	3.75	4
367	M139	Y	-0.003	-0.009	0.25	0.5
368	M139	Y	-0.009	-0.015	0.5	0.75
369	M139	Y	-0.015	-0.02	0.75	1
370	M139	Y	-0.02	-0.026	1	1.25
371	M139	Y	-0.026	-0.032	1.25	1.5
372	M139	Y	-0.032	-0.038	1.5	1.75
373	M139	Y	-0.038	-0.043	1.75	2
374	M139	Y	-0.043	-0.043	2	2.25

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
375	M139	Y	-0.043	-0.038	2.25	2.5
376	M139	Y	-0.038	-0.032	2.5	2.75
377	M139	Y	-0.032	-0.026	2.75	3
378	M139	Y	-0.026	-0.02	3	3.25
379	M139	Y	-0.02	-0.015	3.25	3.5
380	M139	Y	-0.015	-0.009	3.5	3.75
381	M139	Y	-0.009	-0.003	3.75	4
382	M140	Y	-0.003	-0.009	1.45	1.7
383	M140	Y	-0.009	-0.015	1.7	1.95
384	M140	Y	-0.015	-0.02	1.95	2.2
385	M140	Y	-0.02	-0.026	2.2	2.45
386	M140	Y	-0.026	-0.032	2.45	2.7
387	M140	Y	-0.032	-0.038	2.7	2.95
388	M140	Y	-0.038	-0.04	2.95	3.2
389	M140	Y	-0.04	-0.038	3.2	3.45
390	M140	Y	-0.038	-0.032	3.45	3.7
391	M140	Y	-0.032	-0.026	3.7	3.95
392	M140	Y	-0.026	-0.02	3.95	4.2
393	M140	Y	-0.02	-0.015	4.2	4.45
394	M140	Y	-0.015	-0.009	4.45	4.7
395	M140	Y	-0.009	-0.003	4.7	4.95
396	M136	Y	-0.003	-0.009	22	22.25
397	M136	Y	-0.009	-0.015	22.25	22.5
398	M136	Y	-0.015	-0.02	22.5	22.75
399	M136	Y	-0.02	-0.026	22.75	23
400	M136	Y	-0.026	-0.032	23	23.25
401	M136	Y	-0.032	-0.038	23.25	23.5
402	M136	Y	-0.038	-0.043	23.5	23.75
403	M136	Y	-0.043	-0.046	23.75	24
404	M136	Y	-0.046	-0.043	24	24.25
405	M136	Y	-0.043	-0.038	24.25	24.5
406	M136	Y	-0.038	-0.032	24.5	24.75
407	M136	Y	-0.058	-0.046	24.75	25
408	M136	Y	-0.035	-0.023	25.25	25.5
409	M136	Y	-0.009	-0.003	25.75	26
410	M141	Y	-0.003	-0.009	0.25	0.5
411	M141	Y	-0.009	-0.015	0.5	0.75
412	M141	Y	-0.015	-0.02	0.75	1
413	M141	Y	-0.02	-0.026	1	1.25
414	M141	Y	-0.026	-0.032	1.25	1.5
415	M141	Y	-0.032	-0.038	1.5	1.75
416	M141	Y	-0.038	-0.043	1.75	2
417	M141	Y	-0.043	-0.043	2	2.25
418	M141	Y	-0.043	-0.038	2.25	2.5
419	M141	Y	-0.038	-0.032	2.5	2.75
420	M141	Y	-0.032	-0.026	2.75	3
421	M141	Y	-0.026	-0.02	3	3.25
422	M141	Y	-0.02	-0.015	3.25	3.5
423	M141	Y	-0.015	-0.009	3.5	3.75
424	M141	Y	-0.009	-0.003	3.75	4
425	M142	Y	-0.003	-0.009	1.2	1.45
426	M142	Y	-0.009	-0.015	1.45	1.7
427	M142	Y	-0.015	-0.02	1.7	1.95
428	M142	Y	-0.02	-0.026	1.95	2.2
429	M142	Y	-0.026	-0.032	2.2	2.45

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
430	M142	Y	-0.032	-0.038	2.45	2.7
431	M142	Y	-0.038	-0.043	2.7	2.95
432	M142	Y	-0.043	-0.043	2.95	3.2
433	M142	Y	-0.043	-0.038	3.2	3.45
434	M142	Y	-0.038	-0.032	3.45	3.7
435	M142	Y	-0.032	-0.026	3.7	3.95
436	M142	Y	-0.026	-0.02	3.95	4.2
437	M142	Y	-0.02	-0.015	4.2	4.45
438	M142	Y	-0.015	-0.009	4.45	4.7
439	M142	Y	-0.009	-0.003	4.7	4.95
440	M143	Y	-0.003	-0.009	0.25	0.5
441	M143	Y	-0.009	-0.015	0.5	0.75
442	M143	Y	-0.015	-0.02	0.75	1
443	M143	Y	-0.02	-0.026	1	1.25
444	M143	Y	-0.026	-0.032	1.25	1.5
445	M143	Y	-0.032	-0.038	1.5	1.75
446	M143	Y	-0.038	-0.04	1.75	2
447	M143	Y	-0.04	-0.038	2	2.25
448	M143	Y	-0.038	-0.032	2.25	2.5
449	M143	Y	-0.032	-0.026	2.5	2.75
450	M143	Y	-0.026	-0.02	2.75	3
451	M143	Y	-0.02	-0.015	3	3.25
452	M143	Y	-0.015	-0.009	3.25	3.5
453	M143	Y	-0.009	-0.003	3.5	3.75
454	M137	Y	-0.014	-0.014	6.917e-13	0.5
455	M137	Y	-0.014	-0.014	0.5	1
456	M137	Y	-0.014	-0.014	1	1.5
457	M137	Y	-0.014	-0.014	1.5	2
458	M137	Y	-0.014	-0.014	2	2.5
459	M137	Y	-0.014	-0.014	2.5	3
460	M137	Y	-0.014	-0.014	3	3.5
461	M137	Y	-0.014	-0.021	3.5	4
462	M137	Y	-0.021	-0.028	4	4.5
463	M137	Y	-0.028	-0.028	4.5	5
464	M137	Y	-0.028	-0.028	5	5.5
465	M137	Y	-0.028	-0.028	5.5	6
466	M137	Y	-0.028	-0.028	6	6.5
467	M137	Y	-0.028	-0.028	6.5	7
468	M137	Y	-0.028	-0.028	7	7.5
469	M137	Y	-0.028	-0.028	7.5	8
470	M137	Y	-0.028	-0.028	8	8.5
471	M137	Y	-0.028	-0.028	8.5	9
472	M137	Y	-0.028	-0.028	9	9.5
473	M137	Y	-0.028	-0.028	9.5	10
474	M137	Y	-0.028	-0.028	10	10.5
475	M137	Y	-0.028	-0.028	10.5	11
476	M137	Y	-0.028	-0.028	11	11.5
477	M137	Y	-0.028	-0.028	11.5	12
478	M137	Y	-0.028	-0.028	12	12.5
479	M137	Y	-0.028	-0.028	12.5	13
480	M137	Y	-0.028	-0.028	13	13.5
481	M137	Y	-0.028	-0.028	13.5	14
482	M137	Y	-0.028	-0.028	14	14.5
483	M137	Y	-0.028	-0.028	14.5	15
484	M137	Y	-0.028	-0.028	15	15.5

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
485	M137	Y	-0.028	-0.028	15.5	16
486	M137	Y	-0.028	-0.028	16	16.5
487	M137	Y	-0.028	-0.028	16.5	17
488	M137	Y	-0.028	-0.028	17	17.5
489	M137	Y	-0.028	-0.028	17.5	18
490	M137	Y	-0.028	-0.028	18	18.5
491	M137	Y	-0.028	-0.028	18.5	19
492	M137	Y	-0.028	-0.028	19	19.5
493	M137	Y	-0.028	-0.028	19.5	20
494	M137	Y	-0.028	-0.028	20	20.5
495	M137	Y	-0.028	-0.028	20.5	21
496	M137	Y	-0.028	-0.028	21	21.5
497	M137	Y	-0.028	-0.021	21.5	22
498	M137	Y	-0.021	-0.014	22	22.5
499	M137	Y	-0.014	-0.014	22.5	23
500	M137	Y	-0.014	-0.014	23	23.5
501	M137	Y	-0.014	-0.014	23.5	24
502	M137	Y	-0.014	-0.014	24	24.5
503	M137	Y	-0.014	-0.014	24.5	25
504	M137	Y	-0.014	-0.014	25	25.5
505	M137	Y	-0.014	-0.014	25.5	26
506	M139	Y	-0.014	-0.014	3.837e-13	4
507	M143	Y	-0.014	-0.014	9.569e-13	4
508	M136	Y	-0.058	-0.058	4	22
509	M137	Y	-0.034	-0.034	4	22
510	M145	Y	-0.003	-0.009	22	22.25
511	M145	Y	-0.009	-0.015	22.25	22.5
512	M145	Y	-0.015	-0.02	22.5	22.75
513	M145	Y	-0.02	-0.026	22.75	23
514	M145	Y	-0.026	-0.032	23	23.25
515	M145	Y	-0.032	-0.038	23.25	23.5
516	M145	Y	-0.038	-0.043	23.5	23.75
517	M145	Y	-0.043	-0.046	23.75	24
518	M145	Y	-0.046	-0.043	24	24.25
519	M145	Y	-0.043	-0.038	24.25	24.5
520	M145	Y	-0.038	-0.032	24.5	24.75
521	M145	Y	-0.032	-0.026	24.75	25
522	M145	Y	-0.026	-0.02	25	25.25
523	M145	Y	-0.02	-0.015	25.25	25.5
524	M145	Y	-0.015	-0.009	25.5	25.75
525	M145	Y	-0.009	-0.003	25.75	26
526	M146	Y	-0.003	-0.009	0.25	0.5
527	M146	Y	-0.009	-0.015	0.5	0.75
528	M146	Y	-0.015	-0.02	0.75	1
529	M146	Y	-0.02	-0.026	1	1.25
530	M146	Y	-0.026	-0.032	1.25	1.5
531	M146	Y	-0.032	-0.038	1.5	1.75
532	M146	Y	-0.038	-0.043	1.75	2
533	M146	Y	-0.043	-0.043	2	2.25
534	M146	Y	-0.043	-0.038	2.25	2.5
535	M146	Y	-0.038	-0.032	2.5	2.75
536	M146	Y	-0.032	-0.026	2.75	3
537	M146	Y	-0.026	-0.02	3	3.25
538	M146	Y	-0.02	-0.015	3.25	3.5
539	M146	Y	-0.015	-0.009	3.5	3.75

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
540	M146	Y	-0.009	-0.003	3.75	4
541	M147	Y	-0.003	-0.009	1.2	1.45
542	M147	Y	-0.009	-0.015	1.45	1.7
543	M147	Y	-0.015	-0.02	1.7	1.95
544	M147	Y	-0.02	-0.026	1.95	2.2
545	M147	Y	-0.026	-0.032	2.2	2.45
546	M147	Y	-0.032	-0.038	2.45	2.7
547	M147	Y	-0.038	-0.043	2.7	2.95
548	M147	Y	-0.043	-0.043	2.95	3.2
549	M147	Y	-0.043	-0.038	3.2	3.45
550	M147	Y	-0.038	-0.032	3.45	3.7
551	M147	Y	-0.032	-0.026	3.7	3.95
552	M147	Y	-0.026	-0.02	3.95	4.2
553	M147	Y	-0.02	-0.015	4.2	4.45
554	M147	Y	-0.015	-0.009	4.45	4.7
555	M147	Y	-0.009	-0.003	4.7	4.95
556	M148	Y	-0.003	-0.009	0.25	0.5
557	M148	Y	-0.009	-0.015	0.5	0.75
558	M148	Y	-0.015	-0.02	0.75	1
559	M148	Y	-0.02	-0.026	1	1.25
560	M148	Y	-0.026	-0.032	1.25	1.5
561	M148	Y	-0.032	-0.038	1.5	1.75
562	M148	Y	-0.038	-0.04	1.75	2
563	M148	Y	-0.04	-0.038	2	2.25
564	M148	Y	-0.038	-0.032	2.25	2.5
565	M148	Y	-0.032	-0.026	2.5	2.75
566	M148	Y	-0.026	-0.02	2.75	3
567	M148	Y	-0.02	-0.015	3	3.25
568	M148	Y	-0.015	-0.009	3.25	3.5
569	M148	Y	-0.009	-0.003	3.5	3.75
570	M144	Y	-0.014	-0.014	22	26
571	M148	Y	-0.014	-0.014	9.568e-13	4
572	M144	Y	-0.125	-0.125	7.244e-13	22
573	M145	Y	-0.125	-0.125	0	22
574	M149	Y	-0.003	-0.009	3	3.25
575	M149	Y	-0.009	-0.015	3.25	3.5
576	M149	Y	-0.015	-0.02	3.5	3.75
577	M149	Y	-0.02	-0.026	3.75	4
578	M149	Y	-0.026	-0.032	4	4.25
579	M149	Y	-0.032	-0.038	4.25	4.5
580	M149	Y	-0.038	-0.043	4.5	4.75
581	M149	Y	-0.043	-0.046	4.75	5
582	M149	Y	-0.046	-0.043	5	5.25
583	M149	Y	-0.043	-0.038	5.25	5.5
584	M149	Y	-0.038	-0.032	5.5	5.75
585	M149	Y	-0.032	-0.026	5.75	6
586	M149	Y	-0.026	-0.02	6	6.25
587	M149	Y	-0.02	-0.015	6.25	6.5
588	M149	Y	-0.015	-0.009	6.5	6.75
589	M149	Y	-0.009	-0.003	6.75	7
590	M154	Y	-0.003	-0.009	1.2	1.45
591	M154	Y	-0.009	-0.015	1.45	1.7
592	M154	Y	-0.015	-0.02	1.7	1.95
593	M154	Y	-0.02	-0.026	1.95	2.2
594	M154	Y	-0.026	-0.032	2.2	2.45

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
595	M154	Y	-0.032	-0.038	2.45	2.7
596	M154	Y	-0.038	-0.043	2.7	2.95
597	M154	Y	-0.043	-0.043	2.95	3.2
598	M154	Y	-0.043	-0.038	3.2	3.45
599	M154	Y	-0.038	-0.032	3.45	3.7
600	M154	Y	-0.032	-0.026	3.7	3.95
601	M154	Y	-0.026	-0.02	3.95	4.2
602	M154	Y	-0.02	-0.015	4.2	4.45
603	M154	Y	-0.015	-0.009	4.45	4.7
604	M154	Y	-0.009	-0.003	4.7	4.95
605	M156	Y	-0.003	-0.009	0.25	0.5
606	M156	Y	-0.009	-0.015	0.5	0.75
607	M156	Y	-0.015	-0.02	0.75	1
608	M156	Y	-0.02	-0.026	1	1.25
609	M156	Y	-0.026	-0.032	1.25	1.5
610	M156	Y	-0.032	-0.038	1.5	1.75
611	M156	Y	-0.038	-0.043	1.75	2
612	M156	Y	-0.043	-0.043	2	2.25
613	M156	Y	-0.043	-0.038	2.25	2.5
614	M156	Y	-0.038	-0.032	2.5	2.75
615	M156	Y	-0.032	-0.026	2.75	3
616	M156	Y	-0.026	-0.02	3	3.25
617	M156	Y	-0.02	-0.015	3.25	3.5
618	M156	Y	-0.015	-0.009	3.5	3.75
619	M156	Y	-0.009	-0.003	3.75	4
620	M151	Y	-0.003	-0.009	0.25	0.5
621	M151	Y	-0.009	-0.015	0.5	0.75
622	M151	Y	-0.015	-0.02	0.75	1
623	M151	Y	-0.02	-0.026	1	1.25
624	M151	Y	-0.026	-0.032	1.25	1.5
625	M151	Y	-0.032	-0.038	1.5	1.75
626	M151	Y	-0.038	-0.04	1.75	2
627	M151	Y	-0.04	-0.038	2	2.25
628	M151	Y	-0.038	-0.032	2.25	2.5
629	M151	Y	-0.032	-0.026	2.5	2.75
630	M151	Y	-0.026	-0.02	2.75	3
631	M151	Y	-0.02	-0.015	3	3.25
632	M151	Y	-0.015	-0.009	3.25	3.5
633	M151	Y	-0.009	-0.003	3.5	3.75
634	M149	Y	-0.06	-0.06	3.27e-13	3
635	M150	Y	-0.06	-0.06	3.269e-13	3
636	M150	Y	-0.014	-0.014	3	7
637	M151	Y	-0.014	-0.014	5.401e-13	4
638	M149	Y	-0.06	-0.06	7	26
639	M150	Y	-0.06	-0.06	7	26
640	M257	Y	-0.007	-0.007	2.082e-13	19.625
641	M488	Y	-0.013	-0.013	3.31e-13	19.625
642	M489	Y	-0.01	-0.01	2.459e-13	19.625
643	M490	Y	-0.004	-0.004	3.297e-13	19.625
644	M257	Y	-0.003	-0.003	7.167	19.625
645	M393	Y	-0.01	-0.01	2.043e-13	12.458
646	M457	Y	-0.007	-0.007	7.167	19.625
647	M487	Y	-0.013	-0.013	1.534e-13	12.458
648	M255	Y	-0.012	-0.012	2.705e-13	19.625
649	M421	Y	-0.007	-0.007	3.138e-13	19.625

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
650	M442	Y	-0.01	-0.01	0	0.126
651	M457	Y	-0.005	-0.005	2.292e-13	19.625
652	M486	Y	-0.013	-0.013	2.228e-13	19.625
653	M395	Y	-0.007	-0.007	9	19.625
654	M402	Y	2.827e-6	-0.004	8.48	9.01
655	M402	Y	-0.004	-0.009	9.01	9.54
656	M402	Y	-0.009	-0.009	9.54	10.07
657	M402	Y	-0.009	-0.011	10.07	10.6
658	M402	Y	-0.011	-0.011	10.6	11.13
659	M402	Y	-0.011	-0.009	11.13	11.66
660	M402	Y	-0.009	-0.009	11.66	12.19
661	M402	Y	-0.009	-0.009	12.19	12.72
662	M402	Y	-0.009	-0.009	12.72	13.25
663	M402	Y	-0.009	-0.009	13.25	13.78
664	M402	Y	-0.009	-0.009	13.78	14.31
665	M402	Y	-0.009	-0.009	14.31	14.84
666	M402	Y	-0.009	-0.011	14.84	15.37
667	M402	Y	-0.011	-0.01	15.37	15.9
668	M402	Y	-0.01	-0.009	15.9	16.43
669	M402	Y	-0.009	-0.009	16.43	16.96
670	M412	Y	-0.013	-0.013	2.05e-13	10.625
671	M419	Y	-0.013	-0.013	1.51e-13	10.625
672	M421	Y	-0.004	-0.004	9	19.625
673	M440	Y	-0.009	-0.009	0	0.531
674	M440	Y	-0.009	-0.009	0.531	1.062
675	M440	Y	-0.009	-0.009	1.062	1.594
676	M440	Y	-0.009	-0.011	1.594	2.125
677	M440	Y	-0.011	-0.011	2.125	2.656
678	M440	Y	-0.011	-0.009	2.656	3.188
679	M440	Y	-0.009	-0.009	3.188	3.719
680	M440	Y	-0.009	-0.009	3.719	4.25
681	M440	Y	-0.009	-0.009	4.25	4.781
682	M440	Y	-0.009	-0.009	4.781	5.312
683	M440	Y	-0.009	-0.009	5.312	5.844
684	M440	Y	-0.009	-0.009	5.844	6.375
685	M440	Y	-0.009	-0.009	6.375	6.906
686	M440	Y	-0.009	-0.009	6.906	7.438
687	M440	Y	-0.009	-0.014	7.438	7.969
688	M440	Y	-0.014	-0.018	7.969	8.5
689	M440	Y	-0.018	-0.015	8.5	9.031
690	M440	Y	-0.015	-0.015	9.031	9.562
691	M440	Y	-0.015	-0.015	9.562	10.094
692	M440	Y	-0.015	-0.015	10.094	10.625
693	M446	Y	-0.011	-0.011	3.559e-13	10.625
694	M449	Y	-0.013	-0.013	3.442e-13	10.625
695	M451	Y	-0.013	-0.013	0	0.531
696	M451	Y	-0.013	-0.013	0.531	1.062
697	M451	Y	-0.013	-0.013	1.062	1.594
698	M451	Y	-0.013	-0.016	1.594	2.125
699	M451	Y	-0.016	-0.016	2.125	2.656
700	M451	Y	-0.016	-0.013	2.656	3.188
701	M451	Y	-0.013	-0.013	3.188	3.719
702	M451	Y	-0.013	-0.013	3.719	4.25
703	M451	Y	-0.013	-0.013	4.25	4.781
704	M451	Y	-0.013	-0.013	4.781	5.312

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
705	M451	Y	-0.013	-0.013	5.312	5.844
706	M451	Y	-0.013	-0.013	5.844	6.375
707	M451	Y	-0.013	-0.014	6.375	6.906
708	M451	Y	-0.014	-0.014	6.906	7.438
709	M451	Y	-0.014	-0.016	7.438	7.969
710	M451	Y	-0.016	-0.017	7.969	8.5
711	M451	Y	-0.017	-0.015	8.5	9.031
712	M451	Y	-0.015	-0.015	9.031	9.562
713	M451	Y	-0.015	-0.015	9.562	10.094
714	M451	Y	-0.015	-0.015	10.094	10.625
715	M468	Y	-0.013	-0.013	1.691e-13	10.625
716	M479	Y	-0.013	-0.013	1.9e-13	10.625
717	M480	Y	-0.013	-0.013	1.753e-13	10.625
718	M481	Y	-0.013	-0.013	4.778e-13	10.625
719	M482	Y	-0.013	-0.013	3.431e-13	10.625
720	M483	Y	-0.013	-0.013	2.062e-13	10.625
721	M484	Y	-0.013	-0.013	3.474e-13	10.625
722	M395	Y	-0.005	-0.005	3.028e-13	19.625
723	M413	Y	-0.005	-0.005	1.714e-13	19.625
724	M258	Y	-0.012	-0.012	3.054e-13	10.625
725	M260	Y	-0.012	-0.012	3.185e-13	10.625
726	M396	Y	-0.012	-0.012	9.293e-14	10.625
727	M397	Y	-0.015	-0.015	3.713e-13	10.625
728	M399	Y	-0.012	-0.012	4.538e-14	10.625
729	M400	Y	-0.007	-0.007	9	19.625
730	M409	Y	-0.01	-0.01	3.076e-13	10.625
731	M413	Y	-0.002	-0.002	9	19.625
732	M416	Y	-0.012	-0.012	0	10.625
733	M428	Y	-0.015	-0.015	3.197e-13	10.625
734	M438	Y	-0.012	-0.012	7.278e-14	10.625
735	M456	Y	-0.012	-0.012	1.46e-13	10.625
736	M465	Y	-0.015	-0.015	1.172e-13	0.253
737	M465	Y	-0.015	-0.015	0.253	0.506
738	M465	Y	-0.015	-0.015	0.506	0.759
739	M465	Y	-0.015	-0.015	0.759	1.012
740	M465	Y	-0.015	-0.015	1.012	1.265
741	M465	Y	-0.015	-0.015	1.265	1.518
742	M465	Y	-0.015	-0.015	1.518	1.771
743	M465	Y	-0.015	-0.015	1.771	2.024
744	M465	Y	-0.015	-0.015	2.024	2.277
745	M465	Y	-0.015	-0.015	2.277	2.53
746	M465	Y	-0.015	-0.015	2.53	2.783
747	M465	Y	-0.015	-0.015	2.783	3.036
748	M465	Y	-0.015	-0.015	3.036	3.289
749	M465	Y	-0.015	-0.015	3.289	3.542
750	M465	Y	-0.015	-0.015	3.542	3.795
751	M465	Y	-0.015	-0.015	3.795	4.048
752	M465	Y	-0.015	-0.015	4.048	4.301
753	M465	Y	-0.015	-0.015	4.301	4.554
754	M465	Y	-0.015	-0.015	4.554	4.807
755	M465	Y	-0.015	-0.015	4.807	5.06
756	M465	Y	-0.015	-0.015	5.06	5.312
757	M465	Y	-0.015	-0.015	5.312	5.565
758	M465	Y	-0.015	-0.015	5.565	5.818
759	M465	Y	-0.015	-0.015	5.818	6.071

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
760	M465	Y	-0.015	-0.015	6.071	6.324
761	M465	Y	-0.015	-0.015	6.324	6.577
762	M465	Y	-0.015	-0.015	6.577	6.83
763	M465	Y	-0.015	-0.015	6.83	7.083
764	M465	Y	-0.015	-0.015	7.083	7.336
765	M465	Y	-0.015	-0.015	7.336	7.589
766	M465	Y	-0.015	-0.019	7.589	7.842
767	M465	Y	-0.019	-0.022	7.842	8.095
768	M465	Y	-0.022	-0.022	8.095	8.348
769	M465	Y	-0.022	-0.022	8.348	8.601
770	M465	Y	-0.022	-0.022	8.601	8.854
771	M465	Y	-0.022	-0.022	8.854	9.107
772	M465	Y	-0.022	-0.022	9.107	9.36
773	M465	Y	-0.022	-0.022	9.36	9.613
774	M465	Y	-0.022	-0.022	9.613	9.866
775	M465	Y	-0.022	-0.022	9.866	10.119
776	M465	Y	-0.022	-0.022	10.119	10.372
777	M465	Y	-0.022	-0.022	10.372	10.625
778	M473	Y	-0.012	-0.012	1.485e-13	10.625
779	M474	Y	-0.012	-0.012	3.536e-13	10.625
780	M475	Y	-0.015	-0.015	1.226e-13	10.625
781	M476	Y	-0.013	-0.012	3.454e-13	0.253
782	M476	Y	-0.012	-0.012	0.253	0.506
783	M476	Y	-0.012	-0.012	0.506	0.759
784	M476	Y	-0.012	-0.012	0.759	1.012
785	M476	Y	-0.012	-0.012	1.012	1.265
786	M476	Y	-0.012	-0.012	1.265	1.518
787	M476	Y	-0.012	-0.012	1.518	1.771
788	M476	Y	-0.012	-0.012	1.771	2.024
789	M476	Y	-0.012	-0.012	2.024	2.277
790	M476	Y	-0.012	-0.012	2.277	2.53
791	M476	Y	-0.012	-0.012	2.53	2.783
792	M476	Y	-0.012	-0.012	2.783	3.036
793	M476	Y	-0.012	-0.012	3.036	3.289
794	M476	Y	-0.012	-0.012	3.289	3.542
795	M476	Y	-0.012	-0.012	3.542	3.795
796	M476	Y	-0.012	-0.012	3.795	4.048
797	M476	Y	-0.012	-0.012	4.048	4.301
798	M476	Y	-0.012	-0.012	4.301	4.554
799	M476	Y	-0.012	-0.012	4.554	4.807
800	M476	Y	-0.012	-0.012	4.807	5.06
801	M476	Y	-0.012	-0.012	5.06	5.312
802	M476	Y	-0.012	-0.012	5.312	5.565
803	M476	Y	-0.012	-0.012	5.565	5.818
804	M476	Y	-0.012	-0.012	5.818	6.071
805	M476	Y	-0.012	-0.012	6.071	6.324
806	M476	Y	-0.012	-0.012	6.324	6.577
807	M476	Y	-0.012	-0.012	6.577	6.83
808	M476	Y	-0.012	-0.012	6.83	7.083
809	M476	Y	-0.012	-0.012	7.083	7.336
810	M476	Y	-0.012	-0.012	7.336	7.589
811	M476	Y	-0.012	-0.017	7.589	7.842
812	M476	Y	-0.017	-0.022	7.842	8.095
813	M476	Y	-0.022	-0.022	8.095	8.348
814	M476	Y	-0.022	-0.022	8.348	8.601

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
815	M476	Y	-0.022	-0.022	8.601	8.854
816	M476	Y	-0.022	-0.022	8.854	9.107
817	M476	Y	-0.022	-0.022	9.107	9.36
818	M476	Y	-0.022	-0.022	9.36	9.613
819	M476	Y	-0.022	-0.022	9.613	9.866
820	M476	Y	-0.022	-0.022	9.866	10.119
821	M476	Y	-0.022	-0.022	10.119	10.372
822	M476	Y	-0.022	-0.022	10.372	10.625
823	M477	Y	-0.015	-0.015	1.52e-13	10.625
824	M478	Y	-0.012	-0.012	2.317e-13	10.625
825	M507	Y	-0.017	-0.017	9	16.842
826	M400	Y	-0.005	-0.005	2.288e-13	19.625
827	M444	Y	-0.005	-0.005	1.862e-13	19.625
828	M256	Y	-0.013	-0.013	2.522e-13	10.625
829	M403	Y	-0.013	-0.013	1.761e-13	10.625
830	M404	Y	-0.009	-0.009	1.99e-13	10.625
831	M414	Y	-0.013	-0.013	1.812e-13	10.625
832	M423	Y	-0.013	-0.013	2.558e-13	10.625
833	M424	Y	-0.013	-0.013	2.228e-13	10.625
834	M427	Y	-0.013	-0.013	1.989e-13	10.625
835	M430	Y	-0.013	-0.013	2.718e-13	10.625
836	M432	Y	-0.013	-0.013	2.511e-13	10.625
837	M433	Y	-0.011	-0.011	0	0.531
838	M433	Y	-0.011	-0.011	0.531	1.062
839	M433	Y	-0.011	-0.011	1.062	1.594
840	M433	Y	-0.011	-0.013	1.594	2.125
841	M433	Y	-0.013	-0.013	2.125	2.656
842	M433	Y	-0.013	-0.011	2.656	3.188
843	M433	Y	-0.011	-0.011	3.188	3.719
844	M433	Y	-0.011	-0.011	3.719	4.25
845	M433	Y	-0.011	-0.011	4.25	4.781
846	M433	Y	-0.011	-0.011	4.781	5.312
847	M433	Y	-0.011	-0.011	5.312	5.844
848	M433	Y	-0.011	-0.011	5.844	6.375
849	M433	Y	-0.011	-0.012	6.375	6.906
850	M433	Y	-0.012	-0.017	6.906	7.438
851	M433	Y	-0.017	-0.02	7.438	7.969
852	M433	Y	-0.02	-0.018	7.969	8.5
853	M433	Y	-0.018	-0.017	8.5	9.031
854	M433	Y	-0.017	-0.017	9.031	9.562
855	M433	Y	-0.017	-0.017	9.562	10.094
856	M433	Y	-0.017	-0.017	10.094	10.625
857	M444	Y	-0.003	-0.003	9	19.625
858	M455	Y	-0.013	-0.013	6.4e-14	10.625
859	M458	Y	-0.007	-0.007	9	19.625
860	M459	Y	-0.013	-0.013	3.197e-13	10.625
861	M460	Y	-0.013	-0.013	1.883e-13	10.625
862	M462	Y	-0.013	-0.013	1.623e-13	10.625
863	M463	Y	-0.013	-0.013	2.227e-13	10.625
864	M464	Y	-0.013	-0.013	0	0.531
865	M464	Y	-0.013	-0.013	0.531	1.062
866	M464	Y	-0.013	-0.013	1.062	1.594
867	M464	Y	-0.013	-0.015	1.594	2.125
868	M464	Y	-0.015	-0.015	2.125	2.656
869	M464	Y	-0.015	-0.014	2.656	3.188

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
870	M464	Y	-0.014	-0.013	3.188	3.719
871	M464	Y	-0.013	-0.013	3.719	4.25
872	M464	Y	-0.013	-0.013	4.25	4.781
873	M464	Y	-0.013	-0.013	4.781	5.312
874	M464	Y	-0.013	-0.013	5.312	5.844
875	M464	Y	-0.013	-0.013	5.844	6.375
876	M464	Y	-0.013	-0.014	6.375	6.906
877	M464	Y	-0.014	-0.015	6.906	7.438
878	M464	Y	-0.015	-0.021	7.438	7.969
879	M464	Y	-0.021	-0.021	7.969	8.5
880	M464	Y	-0.021	-0.017	8.5	9.031
881	M464	Y	-0.017	-0.017	9.031	9.562
882	M464	Y	-0.017	-0.017	9.562	10.094
883	M464	Y	-0.017	-0.017	10.094	10.625
884	M469	Y	-0.013	-0.013	1.394e-13	10.625
885	M470	Y	-0.013	-0.013	1.381e-13	10.625
886	M471	Y	-0.013	-0.013	2.088e-13	10.625
887	M472	Y	-0.013	-0.013	1.35e-13	10.625
888	M505	Y	5.032e-6	-0.003	8.121	8.628
889	M505	Y	-0.003	-0.009	8.628	9.136
890	M505	Y	-0.009	-0.009	9.136	9.643
891	M505	Y	-0.009	-0.009	9.643	10.151
892	M505	Y	-0.009	-0.011	10.151	10.658
893	M505	Y	-0.011	-0.011	10.658	11.166
894	M505	Y	-0.011	-0.011	11.166	11.674
895	M505	Y	-0.011	-0.011	11.674	12.181
896	M505	Y	-0.011	-0.011	12.181	12.689
897	M505	Y	-0.011	-0.011	12.689	13.196
898	M505	Y	-0.011	-0.011	13.196	13.704
899	M505	Y	-0.011	-0.011	13.704	14.211
900	M505	Y	-0.011	-0.011	14.211	14.719
901	M505	Y	-0.011	-0.011	14.719	15.226
902	M505	Y	-0.011	-0.011	15.226	15.734
903	M505	Y	-0.011	-0.012	15.734	16.241
904	M435	Y	-0.005	-0.005	1.656e-13	19.625
905	M458	Y	-0.005	-0.005	1.318e-13	19.625
906	M259	Y	-0.007	-0.007	9	19.625
907	M407	Y	-0.013	-0.013	2.45e-13	10.625
908	M431	Y	-0.013	-0.013	0	0.531
909	M431	Y	-0.013	-0.013	0.531	1.062
910	M431	Y	-0.013	-0.014	1.062	1.594
911	M431	Y	-0.014	-0.016	1.594	2.125
912	M431	Y	-0.016	-0.015	2.125	2.656
913	M431	Y	-0.015	-0.012	2.656	3.188
914	M431	Y	-0.012	-0.013	3.188	3.719
915	M431	Y	-0.013	-0.013	3.719	4.25
916	M431	Y	-0.013	-0.014	4.25	4.781
917	M431	Y	-0.014	-0.013	4.781	5.312
918	M431	Y	-0.013	-0.013	5.312	5.844
919	M431	Y	-0.013	-0.013	5.844	6.375
920	M431	Y	-0.013	-0.013	6.375	6.906
921	M431	Y	-0.013	-0.013	6.906	7.438
922	M431	Y	-0.013	-0.014	7.438	7.969
923	M431	Y	-0.014	-0.015	7.969	8.5
924	M431	Y	-0.015	-0.013	8.5	9.031

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
925	M431	Y	-0.013	-0.014	9.031	9.562
926	M431	Y	-0.014	-0.013	9.562	10.094
927	M431	Y	-0.013	-0.013	10.094	10.625
928	M435	Y	2.599e-6	2.599e-6	7.85	8.385
929	M435	Y	2.599e-6	-0.0004845	8.385	8.92
930	M435	Y	-0.0004845	-0.001	8.92	9.456
931	M435	Y	-0.001	-0.002	9.456	9.991
932	M435	Y	-0.002	-0.001	9.991	10.526
933	M435	Y	-0.001	-0.001	10.526	11.061
934	M435	Y	-0.001	-0.001	11.061	11.597
935	M435	Y	-0.001	-0.001	11.597	12.132
936	M435	Y	-0.001	-0.002	12.132	12.667
937	M435	Y	-0.002	-0.002	12.667	13.202
938	M435	Y	-0.002	-0.001	13.202	13.737
939	M435	Y	-0.001	-0.001	13.737	14.273
940	M435	Y	-0.001	-0.001	14.273	14.808
941	M435	Y	-0.001	-0.001	14.808	15.343
942	M435	Y	-0.001	-0.001	15.343	15.878
943	M435	Y	-0.001	-0.002	15.878	16.414
944	M435	Y	-0.002	-0.002	16.414	16.949
945	M435	Y	-0.002	-0.001	16.949	17.484
946	M435	Y	-0.001	-0.001	17.484	18.019
947	M435	Y	-0.001	-0.001	18.019	18.555
948	M435	Y	-0.001	-0.001	18.555	19.09
949	M435	Y	-0.001	-0.002	19.09	19.625
950	M439	Y	-0.013	-0.013	2.45e-13	10.625
951	M452	Y	-0.013	-0.013	4.734e-13	10.625
952	M453	Y	-0.008	-0.008	0	0.531
953	M453	Y	-0.008	-0.008	0.531	1.062
954	M453	Y	-0.008	-0.008	1.062	1.594
955	M453	Y	-0.008	-0.007	1.594	2.125
956	M453	Y	-0.007	-0.008	2.125	2.656
957	M453	Y	-0.008	-0.009	2.656	3.188
958	M453	Y	-0.009	-0.009	3.188	3.719
959	M453	Y	-0.009	-0.008	3.719	4.25
960	M453	Y	-0.008	-0.008	4.25	4.781
961	M453	Y	-0.008	-0.008	4.781	5.312
962	M453	Y	-0.008	-0.008	5.312	5.844
963	M453	Y	-0.008	-0.008	5.844	6.375
964	M453	Y	-0.008	-0.009	6.375	6.906
965	M453	Y	-0.009	-0.008	6.906	7.438
966	M453	Y	-0.008	-0.008	7.438	7.969
967	M453	Y	-0.008	-0.008	7.969	8.5
968	M453	Y	-0.008	-0.008	8.5	9.031
969	M453	Y	-0.008	-0.008	9.031	9.562
970	M453	Y	-0.008	-0.008	9.562	10.094
971	M453	Y	-0.008	-0.008	10.094	10.625
972	M259	Y	-0.007	-0.007	2.114e-13	19.625
973	M436	Y	-0.013	-0.013	1.613e-13	19.625
974	M448	Y	-0.007	-0.007	2.561e-13	19.625
975	M405	Y	-0.003	-0.009	2.255e-12	0.25
976	M405	Y	-0.009	-0.015	0.25	0.5
977	M405	Y	-0.015	-0.02	0.5	0.75
978	M405	Y	-0.02	-0.026	0.75	1
979	M405	Y	-0.026	-0.032	1	1.25

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
980	M405	Y	-0.032	-0.038	1.25	1.5
981	M405	Y	-0.038	-0.043	1.5	1.75
982	M405	Y	-0.043	-0.046	1.75	2
983	M405	Y	-0.046	-0.043	2	2.25
984	M405	Y	-0.043	-0.038	2.25	2.5
985	M405	Y	-0.038	-0.032	2.5	2.75
986	M405	Y	-0.032	-0.026	2.75	3
987	M405	Y	-0.026	-0.02	3	3.25
988	M405	Y	-0.02	-0.015	3.25	3.5
989	M405	Y	-0.015	-0.009	3.5	3.75
990	M405	Y	-0.009	-0.003	3.75	4
991	M445	Y	-0.003	-0.009	1.2	1.45
992	M445	Y	-0.009	-0.015	1.45	1.7
993	M445	Y	-0.015	-0.02	1.7	1.95
994	M445	Y	-0.02	-0.026	1.95	2.2
995	M445	Y	-0.026	-0.032	2.2	2.45
996	M445	Y	-0.032	-0.038	2.45	2.7
997	M445	Y	-0.038	-0.043	2.7	2.95
998	M445	Y	-0.043	-0.046	2.95	3.2
999	M445	Y	-0.046	-0.043	3.2	3.45
1000	M445	Y	-0.043	-0.038	3.45	3.7
1001	M445	Y	-0.038	-0.032	3.7	3.95
1002	M445	Y	-0.032	-0.026	3.95	4.2
1003	M445	Y	-0.026	-0.02	4.2	4.45
1004	M445	Y	-0.02	-0.015	4.45	4.7
1005	M445	Y	-0.015	-0.009	4.7	4.95
1006	M445	Y	-0.009	-0.003	4.95	5.2
1007	M496	Y	-0.003	-0.009	0.25	0.5
1008	M496	Y	-0.009	-0.015	0.5	0.75
1009	M496	Y	-0.015	-0.02	0.75	1
1010	M496	Y	-0.02	-0.026	1	1.25
1011	M496	Y	-0.026	-0.032	1.25	1.5
1012	M496	Y	-0.032	-0.038	1.5	1.75
1013	M496	Y	-0.038	-0.04	1.75	2
1014	M496	Y	-0.04	-0.038	2	2.25
1015	M496	Y	-0.038	-0.032	2.25	2.5
1016	M496	Y	-0.032	-0.026	2.5	2.75
1017	M496	Y	-0.026	-0.02	2.75	3
1018	M496	Y	-0.02	-0.015	3	3.25
1019	M496	Y	-0.015	-0.009	3.25	3.5
1020	M496	Y	-0.009	-0.003	3.5	3.75
1021	M497	Y	-0.003	-0.009	0.25	0.5
1022	M497	Y	-0.009	-0.015	0.5	0.75
1023	M497	Y	-0.015	-0.02	0.75	1
1024	M497	Y	-0.02	-0.026	1	1.25
1025	M497	Y	-0.026	-0.032	1.25	1.5
1026	M497	Y	-0.032	-0.038	1.5	1.75
1027	M497	Y	-0.038	-0.04	1.75	2
1028	M497	Y	-0.04	-0.038	2	2.25
1029	M497	Y	-0.038	-0.032	2.25	2.5
1030	M497	Y	-0.032	-0.026	2.5	2.75
1031	M497	Y	-0.026	-0.02	2.75	3
1032	M497	Y	-0.02	-0.015	3	3.25
1033	M497	Y	-0.015	-0.009	3.25	3.5
1034	M497	Y	-0.009	-0.003	3.5	3.75

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1035	M410	Y	-0.003	-0.009	1.2	1.45
1036	M410	Y	-0.009	-0.015	1.45	1.7
1037	M410	Y	-0.015	-0.02	1.7	1.95
1038	M410	Y	-0.02	-0.026	1.95	2.2
1039	M410	Y	-0.026	-0.032	2.2	2.45
1040	M410	Y	-0.032	-0.038	2.45	2.7
1041	M410	Y	-0.038	-0.043	2.7	2.95
1042	M410	Y	-0.043	-0.046	2.95	3.2
1043	M410	Y	-0.046	-0.043	3.2	3.45
1044	M410	Y	-0.043	-0.038	3.45	3.7
1045	M410	Y	-0.038	-0.032	3.7	3.95
1046	M410	Y	-0.032	-0.026	3.95	4.2
1047	M410	Y	-0.026	-0.02	4.2	4.45
1048	M410	Y	-0.02	-0.015	4.45	4.7
1049	M410	Y	-0.015	-0.009	4.7	4.95
1050	M410	Y	-0.009	-0.003	4.95	5.2
1051	M450	Y	-0.003	-0.009	2.255e-12	0.25
1052	M450	Y	-0.009	-0.015	0.25	0.5
1053	M450	Y	-0.015	-0.02	0.5	0.75
1054	M450	Y	-0.02	-0.026	0.75	1
1055	M450	Y	-0.026	-0.032	1	1.25
1056	M450	Y	-0.032	-0.038	1.25	1.5
1057	M450	Y	-0.038	-0.043	1.5	1.75
1058	M450	Y	-0.043	-0.046	1.75	2
1059	M450	Y	-0.046	-0.043	2	2.25
1060	M450	Y	-0.043	-0.038	2.25	2.5
1061	M450	Y	-0.038	-0.032	2.5	2.75
1062	M450	Y	-0.032	-0.026	2.75	3
1063	M450	Y	-0.026	-0.02	3	3.25
1064	M450	Y	-0.02	-0.015	3.25	3.5
1065	M450	Y	-0.015	-0.009	3.5	3.75
1066	M450	Y	-0.009	-0.003	3.75	4
1067	M496	Y	-0.003	-0.009	22.25	22.5
1068	M496	Y	-0.009	-0.015	22.5	22.75
1069	M496	Y	-0.015	-0.02	22.75	23
1070	M496	Y	-0.02	-0.026	23	23.25
1071	M496	Y	-0.026	-0.032	23.25	23.5
1072	M496	Y	-0.032	-0.038	23.5	23.75
1073	M496	Y	-0.038	-0.04	23.75	24
1074	M496	Y	-0.04	-0.038	24	24.25
1075	M496	Y	-0.038	-0.032	24.25	24.5
1076	M496	Y	-0.032	-0.026	24.5	24.75
1077	M496	Y	-0.046	-0.035	24.75	25
1078	M496	Y	-0.023	-0.012	25.25	25.5
1079	M498	Y	-0.003	-0.009	0.25	0.5
1080	M498	Y	-0.009	-0.015	0.5	0.75
1081	M498	Y	-0.015	-0.02	0.75	1
1082	M498	Y	-0.02	-0.026	1	1.25
1083	M498	Y	-0.026	-0.032	1.25	1.5
1084	M498	Y	-0.032	-0.038	1.5	1.75
1085	M498	Y	-0.038	-0.04	1.75	2
1086	M498	Y	-0.04	-0.038	2	2.25
1087	M498	Y	-0.038	-0.032	2.25	2.5
1088	M498	Y	-0.032	-0.026	2.5	2.75
1089	M498	Y	-0.026	-0.02	2.75	3

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1090	M498	Y	-0.02	-0.015	3	3.25
1091	M498	Y	-0.015	-0.009	3.25	3.5
1092	M498	Y	-0.009	-0.003	3.5	3.75
1093	M418	Y	-0.014	-0.014	2.312e-12	0.5
1094	M418	Y	-0.014	-0.014	0.5	1
1095	M418	Y	-0.014	-0.014	1	1.5
1096	M418	Y	-0.014	-0.014	1.5	2
1097	M418	Y	-0.014	-0.014	2	2.5
1098	M418	Y	-0.014	-0.014	2.5	3
1099	M418	Y	-0.014	-0.014	3	3.5
1100	M418	Y	-0.014	-0.021	3.5	4
1101	M418	Y	-0.021	-0.028	4	4.5
1102	M418	Y	-0.028	-0.028	4.5	5
1103	M418	Y	-0.028	-0.028	5	5.5
1104	M418	Y	-0.028	-0.028	5.5	6
1105	M418	Y	-0.028	-0.028	6	6.5
1106	M418	Y	-0.028	-0.028	6.5	7
1107	M418	Y	-0.028	-0.028	7	7.5
1108	M418	Y	-0.028	-0.028	7.5	8
1109	M418	Y	-0.028	-0.028	8	8.5
1110	M418	Y	-0.028	-0.028	8.5	9
1111	M418	Y	-0.028	-0.028	9	9.5
1112	M418	Y	-0.028	-0.028	9.5	10
1113	M418	Y	-0.028	-0.028	10	10.5
1114	M418	Y	-0.028	-0.028	10.5	11
1115	M418	Y	-0.028	-0.028	11	11.5
1116	M418	Y	-0.028	-0.028	11.5	12
1117	M418	Y	-0.028	-0.028	12	12.5
1118	M418	Y	-0.028	-0.028	12.5	13
1119	M418	Y	-0.028	-0.028	13	13.5
1120	M418	Y	-0.028	-0.028	13.5	14
1121	M418	Y	-0.028	-0.028	14	14.5
1122	M418	Y	-0.028	-0.028	14.5	15
1123	M418	Y	-0.028	-0.028	15	15.5
1124	M418	Y	-0.028	-0.028	15.5	16
1125	M418	Y	-0.028	-0.028	16	16.5
1126	M418	Y	-0.028	-0.028	16.5	17
1127	M418	Y	-0.028	-0.028	17	17.5
1128	M418	Y	-0.028	-0.028	17.5	18
1129	M418	Y	-0.028	-0.028	18	18.5
1130	M418	Y	-0.028	-0.028	18.5	19
1131	M418	Y	-0.028	-0.028	19	19.5
1132	M418	Y	-0.028	-0.028	19.5	20
1133	M418	Y	-0.028	-0.028	20	20.5
1134	M418	Y	-0.028	-0.028	20.5	21
1135	M418	Y	-0.028	-0.028	21	21.5
1136	M418	Y	-0.028	-0.021	21.5	22
1137	M418	Y	-0.021	-0.014	22	22.5
1138	M418	Y	-0.014	-0.014	22.5	23
1139	M418	Y	-0.014	-0.014	23	23.5
1140	M418	Y	-0.014	-0.014	23.5	24
1141	M418	Y	-0.014	-0.014	24	24.5
1142	M418	Y	-0.014	-0.014	24.5	25
1143	M418	Y	-0.014	-0.014	25	25.5
1144	M418	Y	-0.014	-0.014	25.5	26

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1145	M497	Y	-0.014	-0.014	1.535e-12	4
1146	M498	Y	-0.014	-0.014	0	4
1147	M418	Y	-0.034	-0.034	4	22
1148	M496	Y	-0.058	-0.058	4	22
1149	M411	Y	-0.003	-0.009	1.2	1.45
1150	M411	Y	-0.009	-0.015	1.45	1.7
1151	M411	Y	-0.015	-0.02	1.7	1.95
1152	M411	Y	-0.02	-0.026	1.95	2.2
1153	M411	Y	-0.026	-0.032	2.2	2.45
1154	M411	Y	-0.032	-0.038	2.45	2.7
1155	M411	Y	-0.038	-0.043	2.7	2.95
1156	M411	Y	-0.043	-0.046	2.95	3.2
1157	M411	Y	-0.046	-0.043	3.2	3.45
1158	M411	Y	-0.043	-0.038	3.45	3.7
1159	M411	Y	-0.038	-0.032	3.7	3.95
1160	M411	Y	-0.032	-0.026	3.95	4.2
1161	M411	Y	-0.026	-0.02	4.2	4.45
1162	M411	Y	-0.02	-0.015	4.45	4.7
1163	M411	Y	-0.015	-0.009	4.7	4.95
1164	M411	Y	-0.009	-0.003	4.95	5.2
1165	M426	Y	-0.003	-0.009	2.22e-16	0.25
1166	M426	Y	-0.009	-0.015	0.25	0.5
1167	M426	Y	-0.015	-0.02	0.5	0.75
1168	M426	Y	-0.02	-0.026	0.75	1
1169	M426	Y	-0.026	-0.032	1	1.25
1170	M426	Y	-0.032	-0.038	1.25	1.5
1171	M426	Y	-0.038	-0.043	1.5	1.75
1172	M426	Y	-0.043	-0.043	1.75	2
1173	M426	Y	-0.043	-0.038	2	2.25
1174	M426	Y	-0.038	-0.032	2.25	2.5
1175	M426	Y	-0.032	-0.026	2.5	2.75
1176	M426	Y	-0.026	-0.02	2.75	3
1177	M426	Y	-0.02	-0.015	3	3.25
1178	M426	Y	-0.015	-0.009	3.25	3.5
1179	M426	Y	-0.009	-0.003	3.5	3.75
1180	M501	Y	-0.003	-0.009	22.25	22.5
1181	M501	Y	-0.009	-0.015	22.5	22.75
1182	M501	Y	-0.015	-0.02	22.75	23
1183	M501	Y	-0.02	-0.026	23	23.25
1184	M501	Y	-0.026	-0.032	23.25	23.5
1185	M501	Y	-0.032	-0.038	23.5	23.75
1186	M501	Y	-0.038	-0.043	23.75	24
1187	M501	Y	-0.043	-0.043	24	24.25
1188	M501	Y	-0.043	-0.038	24.25	24.5
1189	M501	Y	-0.038	-0.032	24.5	24.75
1190	M501	Y	-0.032	-0.026	24.75	25
1191	M501	Y	-0.026	-0.02	25	25.25
1192	M501	Y	-0.02	-0.015	25.25	25.5
1193	M501	Y	-0.015	-0.009	25.5	25.75
1194	M501	Y	-0.009	-0.003	25.75	26
1195	M502	Y	-0.003	-0.009	0.25	0.5
1196	M502	Y	-0.009	-0.015	0.5	0.75
1197	M502	Y	-0.015	-0.02	0.75	1
1198	M502	Y	-0.02	-0.026	1	1.25
1199	M502	Y	-0.026	-0.032	1.25	1.5

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1200	M502	Y	-0.032	-0.038	1.5	1.75
1201	M502	Y	-0.038	-0.04	1.75	2
1202	M502	Y	-0.04	-0.038	2	2.25
1203	M502	Y	-0.038	-0.032	2.25	2.5
1204	M502	Y	-0.032	-0.026	2.5	2.75
1205	M502	Y	-0.026	-0.02	2.75	3
1206	M502	Y	-0.02	-0.015	3	3.25
1207	M502	Y	-0.015	-0.009	3.25	3.5
1208	M502	Y	-0.009	-0.003	3.5	3.75
1209	M426	Y	-0.014	-0.014	0	4
1210	M499	Y	-0.014	-0.014	22	26
1211	M499	Y	-0.125	-0.125	1.724e-12	22
1212	M501	Y	-0.125	-0.125	1.438e-12	22
1213	M408	Y	-0.003	-0.009	3	3.25
1214	M408	Y	-0.009	-0.015	3.25	3.5
1215	M408	Y	-0.015	-0.02	3.5	3.75
1216	M408	Y	-0.02	-0.026	3.75	4
1217	M408	Y	-0.026	-0.032	4	4.25
1218	M408	Y	-0.032	-0.038	4.25	4.5
1219	M408	Y	-0.038	-0.043	4.5	4.75
1220	M408	Y	-0.043	-0.046	4.75	5
1221	M408	Y	-0.046	-0.043	5	5.25
1222	M408	Y	-0.043	-0.038	5.25	5.5
1223	M408	Y	-0.038	-0.032	5.5	5.75
1224	M408	Y	-0.032	-0.026	5.75	6
1225	M408	Y	-0.026	-0.02	6	6.25
1226	M408	Y	-0.02	-0.015	6.25	6.5
1227	M408	Y	-0.015	-0.009	6.5	6.75
1228	M408	Y	-0.009	-0.003	6.75	7
1229	M454	Y	-0.003	-0.009	2.082e-16	0.25
1230	M454	Y	-0.009	-0.015	0.25	0.5
1231	M454	Y	-0.015	-0.02	0.5	0.75
1232	M454	Y	-0.02	-0.026	0.75	1
1233	M454	Y	-0.026	-0.032	1	1.25
1234	M454	Y	-0.032	-0.038	1.25	1.5
1235	M454	Y	-0.038	-0.043	1.5	1.75
1236	M454	Y	-0.043	-0.046	1.75	2
1237	M454	Y	-0.046	-0.043	2	2.25
1238	M454	Y	-0.043	-0.038	2.25	2.5
1239	M454	Y	-0.038	-0.032	2.5	2.75
1240	M454	Y	-0.032	-0.026	2.75	3
1241	M454	Y	-0.026	-0.02	3	3.25
1242	M454	Y	-0.02	-0.015	3.25	3.5
1243	M454	Y	-0.015	-0.009	3.5	3.75
1244	M454	Y	-0.009	-0.003	3.75	4
1245	M503	Y	-0.003	-0.009	1.45	1.7
1246	M503	Y	-0.009	-0.015	1.7	1.95
1247	M503	Y	-0.015	-0.02	1.95	2.2
1248	M503	Y	-0.02	-0.026	2.2	2.45
1249	M503	Y	-0.026	-0.032	2.45	2.7
1250	M503	Y	-0.032	-0.038	2.7	2.95
1251	M503	Y	-0.038	-0.04	2.95	3.2
1252	M503	Y	-0.04	-0.038	3.2	3.45
1253	M503	Y	-0.038	-0.032	3.45	3.7
1254	M503	Y	-0.032	-0.026	3.7	3.95

Member Distributed Loads (BLC 5 : BLC 1 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1255	M503	Y	-0.026	-0.02	3.95	4.2
1256	M503	Y	-0.02	-0.015	4.2	4.45
1257	M503	Y	-0.015	-0.009	4.45	4.7
1258	M503	Y	-0.009	-0.003	4.7	4.95
1259	M504	Y	-0.003	-0.009	0.25	0.5
1260	M504	Y	-0.009	-0.015	0.5	0.75
1261	M504	Y	-0.015	-0.02	0.75	1
1262	M504	Y	-0.02	-0.026	1	1.25
1263	M504	Y	-0.026	-0.032	1.25	1.5
1264	M504	Y	-0.032	-0.038	1.5	1.75
1265	M504	Y	-0.038	-0.04	1.75	2
1266	M504	Y	-0.04	-0.038	2	2.25
1267	M504	Y	-0.038	-0.032	2.25	2.5
1268	M504	Y	-0.032	-0.026	2.5	2.75
1269	M504	Y	-0.026	-0.02	2.75	3
1270	M504	Y	-0.02	-0.015	3	3.25
1271	M504	Y	-0.015	-0.009	3.25	3.5
1272	M504	Y	-0.009	-0.003	3.5	3.75
1273	M408	Y	-0.06	-0.06	1.023e-12	3
1274	M425	Y	-0.06	-0.06	1.023e-12	3
1275	M425	Y	-0.014	-0.014	3	7
1276	M454	Y	-0.014	-0.014	1.99e-12	4
1277	M408	Y	-0.06	-0.06	7	26
1278	M425	Y	-0.06	-0.06	7	26

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M498	Y	-0.041	-0.044	1.75	2
2	M498	Y	-0.044	-0.041	2	2.25
3	M498	Y	-0.041	-0.035	2.25	2.5
4	M498	Y	-0.035	-0.028	2.5	2.75
5	M498	Y	-0.028	-0.022	2.75	3
6	M498	Y	-0.022	-0.016	3	3.25
7	M498	Y	-0.016	-0.01	3.25	3.5
8	M498	Y	-0.01	-0.003	3.5	3.75
9	M418	Y	-0.015	-0.015	2.312e-12	0.5
10	M418	Y	-0.015	-0.015	0.5	1
11	M418	Y	-0.015	-0.015	1	1.5
12	M418	Y	-0.015	-0.015	1.5	2
13	M418	Y	-0.015	-0.015	2	2.5
14	M418	Y	-0.015	-0.015	2.5	3
15	M418	Y	-0.015	-0.015	3	3.5
16	M418	Y	-0.015	-0.023	3.5	4
17	M418	Y	-0.023	-0.03	4	4.5
18	M418	Y	-0.03	-0.03	4.5	5
19	M418	Y	-0.03	-0.03	5	5.5
20	M418	Y	-0.03	-0.03	5.5	6
21	M418	Y	-0.03	-0.03	6	6.5
22	M418	Y	-0.03	-0.03	6.5	7
23	M418	Y	-0.03	-0.03	7	7.5
24	M418	Y	-0.03	-0.03	7.5	8
25	M418	Y	-0.03	-0.03	8	8.5
26	M418	Y	-0.03	-0.03	8.5	9
27	M418	Y	-0.03	-0.03	9	9.5
28	M418	Y	-0.03	-0.03	9.5	10

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
29	M418	Y	-0.03	-0.03	10	10.5
30	M418	Y	-0.03	-0.03	10.5	11
31	M418	Y	-0.03	-0.03	11	11.5
32	M418	Y	-0.03	-0.03	11.5	12
33	M418	Y	-0.03	-0.03	12	12.5
34	M418	Y	-0.03	-0.03	12.5	13
35	M418	Y	-0.03	-0.03	13	13.5
36	M418	Y	-0.03	-0.03	13.5	14
37	M418	Y	-0.03	-0.03	14	14.5
38	M418	Y	-0.03	-0.03	14.5	15
39	M418	Y	-0.03	-0.03	15	15.5
40	M418	Y	-0.03	-0.03	15.5	16
41	M418	Y	-0.03	-0.03	16	16.5
42	M418	Y	-0.03	-0.03	16.5	17
43	M418	Y	-0.03	-0.03	17	17.5
44	M418	Y	-0.03	-0.03	17.5	18
45	M418	Y	-0.03	-0.03	18	18.5
46	M418	Y	-0.03	-0.03	18.5	19
47	M418	Y	-0.03	-0.03	19	19.5
48	M418	Y	-0.03	-0.03	19.5	20
49	M418	Y	-0.03	-0.03	20	20.5
50	M418	Y	-0.03	-0.03	20.5	21
51	M418	Y	-0.03	-0.03	21	21.5
52	M418	Y	-0.03	-0.023	21.5	22
53	M418	Y	-0.023	-0.015	22	22.5
54	M418	Y	-0.015	-0.015	22.5	23
55	M418	Y	-0.015	-0.015	23	23.5
56	M418	Y	-0.015	-0.015	23.5	24
57	M418	Y	-0.015	-0.015	24	24.5
58	M418	Y	-0.015	-0.015	24.5	25
59	M418	Y	-0.015	-0.015	25	25.5
60	M418	Y	-0.015	-0.015	25.5	26
61	M497	Y	-0.015	-0.015	1.535e-12	4
62	M498	Y	-0.015	-0.015	0	4
63	M418	Y	-0.038	-0.038	4	22
64	M496	Y	-0.063	-0.063	4	22
65	M411	Y	-0.003	-0.01	1.2	1.45
66	M411	Y	-0.01	-0.016	1.45	1.7
67	M411	Y	-0.016	-0.022	1.7	1.95
68	M411	Y	-0.022	-0.028	1.95	2.2
69	M411	Y	-0.028	-0.035	2.2	2.45
70	M411	Y	-0.035	-0.041	2.45	2.7
71	M411	Y	-0.041	-0.047	2.7	2.95
72	M411	Y	-0.047	-0.05	2.95	3.2
73	M411	Y	-0.05	-0.047	3.2	3.45
74	M411	Y	-0.047	-0.041	3.45	3.7
75	M411	Y	-0.041	-0.035	3.7	3.95
76	M411	Y	-0.035	-0.028	3.95	4.2
77	M411	Y	-0.028	-0.022	4.2	4.45
78	M411	Y	-0.022	-0.016	4.45	4.7
79	M411	Y	-0.016	-0.01	4.7	4.95
80	M411	Y	-0.01	-0.003	4.95	5.2
81	M426	Y	-0.003	-0.01	2.22e-16	0.25
82	M426	Y	-0.01	-0.016	0.25	0.5
83	M426	Y	-0.016	-0.022	0.5	0.75

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
84	M426	Y	-0.022	-0.028	0.75	1
85	M426	Y	-0.028	-0.035	1	1.25
86	M426	Y	-0.035	-0.041	1.25	1.5
87	M426	Y	-0.041	-0.047	1.5	1.75
88	M426	Y	-0.047	-0.047	1.75	2
89	M426	Y	-0.047	-0.041	2	2.25
90	M426	Y	-0.041	-0.035	2.25	2.5
91	M426	Y	-0.035	-0.028	2.5	2.75
92	M426	Y	-0.028	-0.022	2.75	3
93	M426	Y	-0.022	-0.016	3	3.25
94	M426	Y	-0.016	-0.01	3.25	3.5
95	M426	Y	-0.01	-0.003	3.5	3.75
96	M501	Y	-0.003	-0.01	22.25	22.5
97	M501	Y	-0.01	-0.016	22.5	22.75
98	M501	Y	-0.016	-0.022	22.75	23
99	M501	Y	-0.022	-0.028	23	23.25
100	M501	Y	-0.028	-0.035	23.25	23.5
101	M501	Y	-0.035	-0.041	23.5	23.75
102	M501	Y	-0.041	-0.047	23.75	24
103	M501	Y	-0.047	-0.047	24	24.25
104	M501	Y	-0.047	-0.041	24.25	24.5
105	M501	Y	-0.041	-0.035	24.5	24.75
106	M501	Y	-0.035	-0.028	24.75	25
107	M501	Y	-0.028	-0.022	25	25.25
108	M501	Y	-0.022	-0.016	25.25	25.5
109	M501	Y	-0.016	-0.01	25.5	25.75
110	M501	Y	-0.01	-0.003	25.75	26
111	M502	Y	-0.003	-0.01	0.25	0.5
112	M502	Y	-0.01	-0.016	0.5	0.75
113	M502	Y	-0.016	-0.022	0.75	1
114	M502	Y	-0.022	-0.028	1	1.25
115	M502	Y	-0.028	-0.035	1.25	1.5
116	M502	Y	-0.035	-0.041	1.5	1.75
117	M502	Y	-0.041	-0.044	1.75	2
118	M502	Y	-0.044	-0.041	2	2.25
119	M502	Y	-0.041	-0.035	2.25	2.5
120	M502	Y	-0.035	-0.028	2.5	2.75
121	M502	Y	-0.028	-0.022	2.75	3
122	M502	Y	-0.022	-0.016	3	3.25
123	M502	Y	-0.016	-0.01	3.25	3.5
124	M502	Y	-0.01	-0.003	3.5	3.75
125	M426	Y	-0.015	-0.015	0	4
126	M499	Y	-0.015	-0.015	22	26
127	M499	Y	-0.065	-0.065	1.725e-12	22
128	M501	Y	-0.065	-0.065	1.993e-12	22
129	M408	Y	-0.003	-0.01	3	3.25
130	M408	Y	-0.01	-0.016	3.25	3.5
131	M408	Y	-0.016	-0.022	3.5	3.75
132	M408	Y	-0.022	-0.028	3.75	4
133	M408	Y	-0.028	-0.035	4	4.25
134	M408	Y	-0.035	-0.041	4.25	4.5
135	M408	Y	-0.041	-0.047	4.5	4.75
136	M408	Y	-0.047	-0.05	4.75	5
137	M408	Y	-0.05	-0.047	5	5.25
138	M408	Y	-0.047	-0.041	5.25	5.5

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
139	M408	Y	-0.041	-0.035	5.5	5.75
140	M408	Y	-0.035	-0.028	5.75	6
141	M408	Y	-0.028	-0.022	6	6.25
142	M408	Y	-0.022	-0.016	6.25	6.5
143	M408	Y	-0.016	-0.01	6.5	6.75
144	M408	Y	-0.01	-0.003	6.75	7
145	M454	Y	-0.003	-0.01	2.082e-16	0.25
146	M454	Y	-0.01	-0.016	0.25	0.5
147	M454	Y	-0.016	-0.022	0.5	0.75
148	M454	Y	-0.022	-0.028	0.75	1
149	M454	Y	-0.028	-0.035	1	1.25
150	M454	Y	-0.035	-0.041	1.25	1.5
151	M454	Y	-0.041	-0.047	1.5	1.75
152	M454	Y	-0.047	-0.05	1.75	2
153	M454	Y	-0.05	-0.047	2	2.25
154	M454	Y	-0.047	-0.041	2.25	2.5
155	M454	Y	-0.041	-0.035	2.5	2.75
156	M454	Y	-0.035	-0.028	2.75	3
157	M454	Y	-0.028	-0.022	3	3.25
158	M454	Y	-0.022	-0.016	3.25	3.5
159	M454	Y	-0.016	-0.01	3.5	3.75
160	M454	Y	-0.01	-0.003	3.75	4
161	M503	Y	-0.003	-0.01	1.45	1.7
162	M503	Y	-0.01	-0.016	1.7	1.95
163	M503	Y	-0.016	-0.022	1.95	2.2
164	M503	Y	-0.022	-0.028	2.2	2.45
165	M503	Y	-0.028	-0.035	2.45	2.7
166	M503	Y	-0.035	-0.041	2.7	2.95
167	M503	Y	-0.041	-0.044	2.95	3.2
168	M503	Y	-0.044	-0.041	3.2	3.45
169	M503	Y	-0.041	-0.035	3.45	3.7
170	M503	Y	-0.035	-0.028	3.7	3.95
171	M503	Y	-0.028	-0.022	3.95	4.2
172	M503	Y	-0.022	-0.016	4.2	4.45
173	M503	Y	-0.016	-0.01	4.45	4.7
174	M503	Y	-0.01	-0.003	4.7	4.95
175	M504	Y	-0.003	-0.01	0.25	0.5
176	M504	Y	-0.01	-0.016	0.5	0.75
177	M504	Y	-0.016	-0.022	0.75	1
178	M504	Y	-0.022	-0.028	1	1.25
179	M504	Y	-0.028	-0.035	1.25	1.5
180	M504	Y	-0.035	-0.041	1.5	1.75
181	M504	Y	-0.041	-0.044	1.75	2
182	M504	Y	-0.044	-0.041	2	2.25
183	M504	Y	-0.041	-0.035	2.25	2.5
184	M504	Y	-0.035	-0.028	2.5	2.75
185	M504	Y	-0.028	-0.022	2.75	3
186	M504	Y	-0.022	-0.016	3	3.25
187	M504	Y	-0.016	-0.01	3.25	3.5
188	M504	Y	-0.01	-0.003	3.5	3.75
189	M408	Y	-0.065	-0.065	1.023e-12	3
190	M425	Y	-0.065	-0.065	1.023e-12	3
191	M425	Y	-0.015	-0.015	3	7
192	M454	Y	-0.015	-0.015	1.99e-12	4
193	M408	Y	-0.065	-0.065	7	26

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
194	M425	Y	-0.065	-0.065	7	26
195	M136	Y	-0.003	-0.01	2.22e-16	0.25
196	M136	Y	-0.01	-0.016	0.25	0.5
197	M136	Y	-0.016	-0.022	0.5	0.75
198	M136	Y	-0.022	-0.028	0.75	1
199	M136	Y	-0.028	-0.035	1	1.25
200	M136	Y	-0.035	-0.041	1.25	1.5
201	M136	Y	-0.041	-0.047	1.5	1.75
202	M136	Y	-0.047	-0.05	1.75	2
203	M136	Y	-0.05	-0.047	2	2.25
204	M136	Y	-0.047	-0.041	2.25	2.5
205	M136	Y	-0.041	-0.035	2.5	2.75
206	M136	Y	-0.035	-0.028	2.75	3
207	M136	Y	-0.028	-0.022	3	3.25
208	M136	Y	-0.022	-0.016	3.25	3.5
209	M136	Y	-0.016	-0.01	3.5	3.75
210	M136	Y	-0.01	-0.003	3.75	4
211	M138	Y	-0.003	-0.01	0.25	0.5
212	M138	Y	-0.01	-0.016	0.5	0.75
213	M138	Y	-0.016	-0.022	0.75	1
214	M138	Y	-0.022	-0.028	1	1.25
215	M138	Y	-0.028	-0.035	1.25	1.5
216	M138	Y	-0.035	-0.041	1.5	1.75
217	M138	Y	-0.041	-0.047	1.75	2
218	M138	Y	-0.047	-0.047	2	2.25
219	M138	Y	-0.047	-0.041	2.25	2.5
220	M138	Y	-0.041	-0.035	2.5	2.75
221	M138	Y	-0.035	-0.028	2.75	3
222	M138	Y	-0.028	-0.022	3	3.25
223	M138	Y	-0.022	-0.016	3.25	3.5
224	M138	Y	-0.016	-0.01	3.5	3.75
225	M138	Y	-0.01	-0.003	3.75	4
226	M139	Y	-0.003	-0.01	0.25	0.5
227	M139	Y	-0.01	-0.016	0.5	0.75
228	M139	Y	-0.016	-0.022	0.75	1
229	M139	Y	-0.022	-0.028	1	1.25
230	M139	Y	-0.028	-0.035	1.25	1.5
231	M139	Y	-0.035	-0.041	1.5	1.75
232	M139	Y	-0.041	-0.047	1.75	2
233	M139	Y	-0.047	-0.047	2	2.25
234	M139	Y	-0.047	-0.041	2.25	2.5
235	M139	Y	-0.041	-0.035	2.5	2.75
236	M139	Y	-0.035	-0.028	2.75	3
237	M139	Y	-0.028	-0.022	3	3.25
238	M139	Y	-0.022	-0.016	3.25	3.5
239	M139	Y	-0.016	-0.01	3.5	3.75
240	M139	Y	-0.01	-0.003	3.75	4
241	M140	Y	-0.003	-0.01	1.45	1.7
242	M140	Y	-0.01	-0.016	1.7	1.95
243	M140	Y	-0.016	-0.022	1.95	2.2
244	M140	Y	-0.022	-0.028	2.2	2.45
245	M140	Y	-0.028	-0.035	2.45	2.7
246	M140	Y	-0.035	-0.041	2.7	2.95
247	M140	Y	-0.041	-0.044	2.95	3.2
248	M140	Y	-0.044	-0.041	3.2	3.45

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
249	M140	Y	-0.041	-0.035	3.45	3.7
250	M140	Y	-0.035	-0.028	3.7	3.95
251	M140	Y	-0.028	-0.022	3.95	4.2
252	M140	Y	-0.022	-0.016	4.2	4.45
253	M140	Y	-0.016	-0.01	4.45	4.7
254	M140	Y	-0.01	-0.003	4.7	4.95
255	M136	Y	-0.003	-0.01	22	22.25
256	M136	Y	-0.01	-0.016	22.25	22.5
257	M136	Y	-0.016	-0.022	22.5	22.75
258	M136	Y	-0.022	-0.028	22.75	23
259	M136	Y	-0.028	-0.035	23	23.25
260	M136	Y	-0.035	-0.041	23.25	23.5
261	M136	Y	-0.041	-0.047	23.5	23.75
262	M136	Y	-0.047	-0.05	23.75	24
263	M136	Y	-0.05	-0.047	24	24.25
264	M136	Y	-0.047	-0.041	24.25	24.5
265	M136	Y	-0.041	-0.035	24.5	24.75
266	M136	Y	-0.063	-0.05	24.75	25
267	M136	Y	-0.038	-0.025	25.25	25.5
268	M136	Y	-0.01	-0.003	25.75	26
269	M141	Y	-0.003	-0.01	0.25	0.5
270	M141	Y	-0.01	-0.016	0.5	0.75
271	M141	Y	-0.016	-0.022	0.75	1
272	M141	Y	-0.022	-0.028	1	1.25
273	M141	Y	-0.028	-0.035	1.25	1.5
274	M141	Y	-0.035	-0.041	1.5	1.75
275	M141	Y	-0.041	-0.047	1.75	2
276	M141	Y	-0.047	-0.047	2	2.25
277	M141	Y	-0.047	-0.041	2.25	2.5
278	M141	Y	-0.041	-0.035	2.5	2.75
279	M141	Y	-0.035	-0.028	2.75	3
280	M141	Y	-0.028	-0.022	3	3.25
281	M141	Y	-0.022	-0.016	3.25	3.5
282	M141	Y	-0.016	-0.01	3.5	3.75
283	M141	Y	-0.01	-0.003	3.75	4
284	M142	Y	-0.003	-0.01	1.2	1.45
285	M142	Y	-0.01	-0.016	1.45	1.7
286	M142	Y	-0.016	-0.022	1.7	1.95
287	M142	Y	-0.022	-0.028	1.95	2.2
288	M142	Y	-0.028	-0.035	2.2	2.45
289	M142	Y	-0.035	-0.041	2.45	2.7
290	M142	Y	-0.041	-0.047	2.7	2.95
291	M142	Y	-0.047	-0.047	2.95	3.2
292	M142	Y	-0.047	-0.041	3.2	3.45
293	M142	Y	-0.041	-0.035	3.45	3.7
294	M142	Y	-0.035	-0.028	3.7	3.95
295	M142	Y	-0.028	-0.022	3.95	4.2
296	M142	Y	-0.022	-0.016	4.2	4.45
297	M142	Y	-0.016	-0.01	4.45	4.7
298	M142	Y	-0.01	-0.003	4.7	4.95
299	M143	Y	-0.003	-0.01	0.25	0.5
300	M143	Y	-0.01	-0.016	0.5	0.75
301	M143	Y	-0.016	-0.022	0.75	1
302	M143	Y	-0.022	-0.028	1	1.25
303	M143	Y	-0.028	-0.035	1.25	1.5

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
304	M143	Y	-0.035	-0.041	1.5	1.75
305	M143	Y	-0.041	-0.044	1.75	2
306	M143	Y	-0.044	-0.041	2	2.25
307	M143	Y	-0.041	-0.035	2.25	2.5
308	M143	Y	-0.035	-0.028	2.5	2.75
309	M143	Y	-0.028	-0.022	2.75	3
310	M143	Y	-0.022	-0.016	3	3.25
311	M143	Y	-0.016	-0.01	3.25	3.5
312	M143	Y	-0.01	-0.003	3.5	3.75
313	M137	Y	-0.015	-0.015	6.917e-13	0.5
314	M137	Y	-0.015	-0.015	0.5	1
315	M137	Y	-0.015	-0.015	1	1.5
316	M137	Y	-0.015	-0.015	1.5	2
317	M137	Y	-0.015	-0.015	2	2.5
318	M137	Y	-0.015	-0.015	2.5	3
319	M137	Y	-0.015	-0.015	3	3.5
320	M137	Y	-0.015	-0.022	3.5	4
321	M137	Y	-0.022	-0.03	4	4.5
322	M137	Y	-0.03	-0.03	4.5	5
323	M137	Y	-0.03	-0.03	5	5.5
324	M137	Y	-0.03	-0.03	5.5	6
325	M137	Y	-0.03	-0.03	6	6.5
326	M137	Y	-0.03	-0.03	6.5	7
327	M137	Y	-0.03	-0.03	7	7.5
328	M137	Y	-0.03	-0.03	7.5	8
329	M137	Y	-0.03	-0.03	8	8.5
330	M137	Y	-0.03	-0.03	8.5	9
331	M137	Y	-0.03	-0.03	9	9.5
332	M137	Y	-0.03	-0.03	9.5	10
333	M137	Y	-0.03	-0.03	10	10.5
334	M137	Y	-0.03	-0.03	10.5	11
335	M137	Y	-0.03	-0.03	11	11.5
336	M137	Y	-0.03	-0.03	11.5	12
337	M137	Y	-0.03	-0.03	12	12.5
338	M137	Y	-0.03	-0.03	12.5	13
339	M137	Y	-0.03	-0.03	13	13.5
340	M137	Y	-0.03	-0.03	13.5	14
341	M137	Y	-0.03	-0.03	14	14.5
342	M137	Y	-0.03	-0.03	14.5	15
343	M137	Y	-0.03	-0.03	15	15.5
344	M137	Y	-0.03	-0.03	15.5	16
345	M137	Y	-0.03	-0.03	16	16.5
346	M137	Y	-0.03	-0.03	16.5	17
347	M137	Y	-0.03	-0.03	17	17.5
348	M137	Y	-0.03	-0.03	17.5	18
349	M137	Y	-0.03	-0.03	18	18.5
350	M137	Y	-0.03	-0.03	18.5	19
351	M137	Y	-0.03	-0.03	19	19.5
352	M137	Y	-0.03	-0.03	19.5	20
353	M137	Y	-0.03	-0.03	20	20.5
354	M137	Y	-0.03	-0.03	20.5	21
355	M137	Y	-0.03	-0.03	21	21.5
356	M137	Y	-0.03	-0.022	21.5	22
357	M137	Y	-0.022	-0.015	22	22.5
358	M137	Y	-0.015	-0.015	22.5	23

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
359	M137	Y	-0.015	-0.015	23	23.5
360	M137	Y	-0.015	-0.015	23.5	24
361	M137	Y	-0.015	-0.015	24	24.5
362	M137	Y	-0.015	-0.015	24.5	25
363	M137	Y	-0.015	-0.015	25	25.5
364	M137	Y	-0.015	-0.015	25.5	26
365	M139	Y	-0.015	-0.015	3.837e-13	4
366	M143	Y	-0.015	-0.015	9.569e-13	4
367	M136	Y	-0.063	-0.063	4	22
368	M137	Y	-0.038	-0.038	4	22
369	M145	Y	-0.003	-0.01	22	22.25
370	M145	Y	-0.01	-0.016	22.25	22.5
371	M145	Y	-0.016	-0.022	22.5	22.75
372	M145	Y	-0.022	-0.028	22.75	23
373	M145	Y	-0.028	-0.035	23	23.25
374	M145	Y	-0.035	-0.041	23.25	23.5
375	M145	Y	-0.041	-0.047	23.5	23.75
376	M145	Y	-0.047	-0.05	23.75	24
377	M145	Y	-0.05	-0.047	24	24.25
378	M145	Y	-0.047	-0.041	24.25	24.5
379	M145	Y	-0.041	-0.035	24.5	24.75
380	M145	Y	-0.035	-0.028	24.75	25
381	M145	Y	-0.028	-0.022	25	25.25
382	M145	Y	-0.022	-0.016	25.25	25.5
383	M145	Y	-0.016	-0.01	25.5	25.75
384	M145	Y	-0.01	-0.003	25.75	26
385	M146	Y	-0.003	-0.01	0.25	0.5
386	M146	Y	-0.01	-0.016	0.5	0.75
387	M146	Y	-0.016	-0.022	0.75	1
388	M146	Y	-0.022	-0.028	1	1.25
389	M146	Y	-0.028	-0.035	1.25	1.5
390	M146	Y	-0.035	-0.041	1.5	1.75
391	M146	Y	-0.041	-0.047	1.75	2
392	M146	Y	-0.047	-0.047	2	2.25
393	M146	Y	-0.047	-0.041	2.25	2.5
394	M146	Y	-0.041	-0.035	2.5	2.75
395	M146	Y	-0.035	-0.028	2.75	3
396	M146	Y	-0.028	-0.022	3	3.25
397	M146	Y	-0.022	-0.016	3.25	3.5
398	M146	Y	-0.016	-0.01	3.5	3.75
399	M146	Y	-0.01	-0.003	3.75	4
400	M147	Y	-0.003	-0.01	1.2	1.45
401	M147	Y	-0.01	-0.016	1.45	1.7
402	M147	Y	-0.016	-0.022	1.7	1.95
403	M147	Y	-0.022	-0.028	1.95	2.2
404	M147	Y	-0.028	-0.035	2.2	2.45
405	M147	Y	-0.035	-0.041	2.45	2.7
406	M147	Y	-0.041	-0.047	2.7	2.95
407	M147	Y	-0.047	-0.047	2.95	3.2
408	M147	Y	-0.047	-0.041	3.2	3.45
409	M147	Y	-0.041	-0.035	3.45	3.7
410	M147	Y	-0.035	-0.028	3.7	3.95
411	M147	Y	-0.028	-0.022	3.95	4.2
412	M147	Y	-0.022	-0.016	4.2	4.45
413	M147	Y	-0.016	-0.01	4.45	4.7

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
414	M147	Y	-0.01	-0.003	4.7	4.95
415	M148	Y	-0.003	-0.01	0.25	0.5
416	M148	Y	-0.01	-0.016	0.5	0.75
417	M148	Y	-0.016	-0.022	0.75	1
418	M148	Y	-0.022	-0.028	1	1.25
419	M148	Y	-0.028	-0.035	1.25	1.5
420	M148	Y	-0.035	-0.041	1.5	1.75
421	M148	Y	-0.041	-0.044	1.75	2
422	M148	Y	-0.044	-0.041	2	2.25
423	M148	Y	-0.041	-0.035	2.25	2.5
424	M148	Y	-0.035	-0.028	2.5	2.75
425	M148	Y	-0.028	-0.022	2.75	3
426	M148	Y	-0.022	-0.016	3	3.25
427	M148	Y	-0.016	-0.01	3.25	3.5
428	M148	Y	-0.01	-0.003	3.5	3.75
429	M144	Y	-0.015	-0.015	22	26
430	M148	Y	-0.015	-0.015	9.568e-13	4
431	M144	Y	-0.065	-0.065	7.105e-13	22
432	M145	Y	-0.065	-0.065	0	22
433	M149	Y	-0.003	-0.01	3	3.25
434	M149	Y	-0.01	-0.016	3.25	3.5
435	M149	Y	-0.016	-0.022	3.5	3.75
436	M149	Y	-0.022	-0.028	3.75	4
437	M149	Y	-0.028	-0.035	4	4.25
438	M149	Y	-0.035	-0.041	4.25	4.5
439	M149	Y	-0.041	-0.047	4.5	4.75
440	M149	Y	-0.047	-0.05	4.75	5
441	M149	Y	-0.05	-0.047	5	5.25
442	M149	Y	-0.047	-0.041	5.25	5.5
443	M149	Y	-0.041	-0.035	5.5	5.75
444	M149	Y	-0.035	-0.028	5.75	6
445	M149	Y	-0.028	-0.022	6	6.25
446	M149	Y	-0.022	-0.016	6.25	6.5
447	M149	Y	-0.016	-0.01	6.5	6.75
448	M149	Y	-0.01	-0.003	6.75	7
449	M154	Y	-0.003	-0.01	1.2	1.45
450	M154	Y	-0.01	-0.016	1.45	1.7
451	M154	Y	-0.016	-0.022	1.7	1.95
452	M154	Y	-0.022	-0.028	1.95	2.2
453	M154	Y	-0.028	-0.035	2.2	2.45
454	M154	Y	-0.035	-0.041	2.45	2.7
455	M154	Y	-0.041	-0.047	2.7	2.95
456	M154	Y	-0.047	-0.047	2.95	3.2
457	M154	Y	-0.047	-0.041	3.2	3.45
458	M154	Y	-0.041	-0.035	3.45	3.7
459	M154	Y	-0.035	-0.028	3.7	3.95
460	M154	Y	-0.028	-0.022	3.95	4.2
461	M154	Y	-0.022	-0.016	4.2	4.45
462	M154	Y	-0.016	-0.01	4.45	4.7
463	M154	Y	-0.01	-0.003	4.7	4.95
464	M156	Y	-0.003	-0.01	0.25	0.5
465	M156	Y	-0.01	-0.016	0.5	0.75
466	M156	Y	-0.016	-0.022	0.75	1
467	M156	Y	-0.022	-0.028	1	1.25
468	M156	Y	-0.028	-0.035	1.25	1.5

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
469	M156	Y	-0.035	-0.041	1.5	1.75
470	M156	Y	-0.041	-0.047	1.75	2
471	M156	Y	-0.047	-0.047	2	2.25
472	M156	Y	-0.047	-0.041	2.25	2.5
473	M156	Y	-0.041	-0.035	2.5	2.75
474	M156	Y	-0.035	-0.028	2.75	3
475	M156	Y	-0.028	-0.022	3	3.25
476	M156	Y	-0.022	-0.016	3.25	3.5
477	M156	Y	-0.016	-0.01	3.5	3.75
478	M156	Y	-0.01	-0.003	3.75	4
479	M151	Y	-0.003	-0.01	0.25	0.5
480	M151	Y	-0.01	-0.016	0.5	0.75
481	M151	Y	-0.016	-0.022	0.75	1
482	M151	Y	-0.022	-0.028	1	1.25
483	M151	Y	-0.028	-0.035	1.25	1.5
484	M151	Y	-0.035	-0.041	1.5	1.75
485	M151	Y	-0.041	-0.044	1.75	2
486	M151	Y	-0.044	-0.041	2	2.25
487	M151	Y	-0.041	-0.035	2.25	2.5
488	M151	Y	-0.035	-0.028	2.5	2.75
489	M151	Y	-0.028	-0.022	2.75	3
490	M151	Y	-0.022	-0.016	3	3.25
491	M151	Y	-0.016	-0.01	3.25	3.5
492	M151	Y	-0.01	-0.003	3.5	3.75
493	M149	Y	-0.065	-0.065	3.27e-13	3
494	M150	Y	-0.065	-0.065	3.269e-13	3
495	M150	Y	-0.015	-0.015	3	7
496	M151	Y	-0.015	-0.015	5.401e-13	4
497	M149	Y	-0.065	-0.065	7	26
498	M150	Y	-0.065	-0.065	7	26
499	M405	Y	-0.003	-0.01	2.255e-12	0.25
500	M405	Y	-0.01	-0.016	0.25	0.5
501	M405	Y	-0.016	-0.022	0.5	0.75
502	M405	Y	-0.022	-0.028	0.75	1
503	M405	Y	-0.028	-0.035	1	1.25
504	M405	Y	-0.035	-0.041	1.25	1.5
505	M405	Y	-0.041	-0.047	1.5	1.75
506	M405	Y	-0.047	-0.05	1.75	2
507	M405	Y	-0.05	-0.047	2	2.25
508	M405	Y	-0.047	-0.041	2.25	2.5
509	M405	Y	-0.041	-0.035	2.5	2.75
510	M405	Y	-0.035	-0.028	2.75	3
511	M405	Y	-0.028	-0.022	3	3.25
512	M405	Y	-0.022	-0.016	3.25	3.5
513	M405	Y	-0.016	-0.01	3.5	3.75
514	M405	Y	-0.01	-0.003	3.75	4
515	M445	Y	-0.003	-0.01	1.2	1.45
516	M445	Y	-0.01	-0.016	1.45	1.7
517	M445	Y	-0.016	-0.022	1.7	1.95
518	M445	Y	-0.022	-0.028	1.95	2.2
519	M445	Y	-0.028	-0.035	2.2	2.45
520	M445	Y	-0.035	-0.041	2.45	2.7
521	M445	Y	-0.041	-0.047	2.7	2.95
522	M445	Y	-0.047	-0.05	2.95	3.2
523	M445	Y	-0.05	-0.047	3.2	3.45

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
524	M445	Y	-0.047	-0.041	3.45	3.7
525	M445	Y	-0.041	-0.035	3.7	3.95
526	M445	Y	-0.035	-0.028	3.95	4.2
527	M445	Y	-0.028	-0.022	4.2	4.45
528	M445	Y	-0.022	-0.016	4.45	4.7
529	M445	Y	-0.016	-0.01	4.7	4.95
530	M445	Y	-0.01	-0.003	4.95	5.2
531	M496	Y	-0.003	-0.01	0.25	0.5
532	M496	Y	-0.01	-0.016	0.5	0.75
533	M496	Y	-0.016	-0.022	0.75	1
534	M496	Y	-0.022	-0.028	1	1.25
535	M496	Y	-0.028	-0.035	1.25	1.5
536	M496	Y	-0.035	-0.041	1.5	1.75
537	M496	Y	-0.041	-0.044	1.75	2
538	M496	Y	-0.044	-0.041	2	2.25
539	M496	Y	-0.041	-0.035	2.25	2.5
540	M496	Y	-0.035	-0.028	2.5	2.75
541	M496	Y	-0.028	-0.022	2.75	3
542	M496	Y	-0.022	-0.016	3	3.25
543	M496	Y	-0.016	-0.01	3.25	3.5
544	M496	Y	-0.01	-0.003	3.5	3.75
545	M497	Y	-0.003	-0.01	0.25	0.5
546	M497	Y	-0.01	-0.016	0.5	0.75
547	M497	Y	-0.016	-0.022	0.75	1
548	M497	Y	-0.022	-0.028	1	1.25
549	M497	Y	-0.028	-0.035	1.25	1.5
550	M497	Y	-0.035	-0.041	1.5	1.75
551	M497	Y	-0.041	-0.044	1.75	2
552	M497	Y	-0.044	-0.041	2	2.25
553	M497	Y	-0.041	-0.035	2.25	2.5
554	M497	Y	-0.035	-0.028	2.5	2.75
555	M497	Y	-0.028	-0.022	2.75	3
556	M497	Y	-0.022	-0.016	3	3.25
557	M497	Y	-0.016	-0.01	3.25	3.5
558	M497	Y	-0.01	-0.003	3.5	3.75
559	M410	Y	-0.003	-0.01	1.2	1.45
560	M410	Y	-0.01	-0.016	1.45	1.7
561	M410	Y	-0.016	-0.022	1.7	1.95
562	M410	Y	-0.022	-0.028	1.95	2.2
563	M410	Y	-0.028	-0.035	2.2	2.45
564	M410	Y	-0.035	-0.041	2.45	2.7
565	M410	Y	-0.041	-0.047	2.7	2.95
566	M410	Y	-0.047	-0.05	2.95	3.2
567	M410	Y	-0.05	-0.047	3.2	3.45
568	M410	Y	-0.047	-0.041	3.45	3.7
569	M410	Y	-0.041	-0.035	3.7	3.95
570	M410	Y	-0.035	-0.028	3.95	4.2
571	M410	Y	-0.028	-0.022	4.2	4.45
572	M410	Y	-0.022	-0.016	4.45	4.7
573	M410	Y	-0.016	-0.01	4.7	4.95
574	M410	Y	-0.01	-0.003	4.95	5.2
575	M450	Y	-0.003	-0.01	2.255e-12	0.25
576	M450	Y	-0.01	-0.016	0.25	0.5
577	M450	Y	-0.016	-0.022	0.5	0.75
578	M450	Y	-0.022	-0.028	0.75	1

Member Distributed Loads (BLC 6 : BLC 3 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
579	M450	Y	-0.028	-0.035	1	1.25
580	M450	Y	-0.035	-0.041	1.25	1.5
581	M450	Y	-0.041	-0.047	1.5	1.75
582	M450	Y	-0.047	-0.05	1.75	2
583	M450	Y	-0.05	-0.047	2	2.25
584	M450	Y	-0.047	-0.041	2.25	2.5
585	M450	Y	-0.041	-0.035	2.5	2.75
586	M450	Y	-0.035	-0.028	2.75	3
587	M450	Y	-0.028	-0.022	3	3.25
588	M450	Y	-0.022	-0.016	3.25	3.5
589	M450	Y	-0.016	-0.01	3.5	3.75
590	M450	Y	-0.01	-0.003	3.75	4
591	M496	Y	-0.003	-0.01	22.25	22.5
592	M496	Y	-0.01	-0.016	22.5	22.75
593	M496	Y	-0.016	-0.022	22.75	23
594	M496	Y	-0.022	-0.028	23	23.25
595	M496	Y	-0.028	-0.035	23.25	23.5
596	M496	Y	-0.035	-0.041	23.5	23.75
597	M496	Y	-0.041	-0.044	23.75	24
598	M496	Y	-0.044	-0.041	24	24.25
599	M496	Y	-0.041	-0.035	24.25	24.5
600	M496	Y	-0.035	-0.028	24.5	24.75
601	M496	Y	-0.05	-0.038	24.75	25
602	M496	Y	-0.025	-0.013	25.25	25.5
603	M498	Y	-0.003	-0.01	0.25	0.5
604	M498	Y	-0.01	-0.016	0.5	0.75
605	M498	Y	-0.016	-0.022	0.75	1
606	M498	Y	-0.022	-0.028	1	1.25
607	M498	Y	-0.028	-0.035	1.25	1.5
608	M498	Y	-0.035	-0.041	1.5	1.75

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
1	M119	X	-0.007	-0.007	9.726e-14	19.625
2	M120	X	-0.013	-0.013	7.622e-14	19.625
3	M121	X	-0.01	-0.01	9.051e-14	19.625
4	M122	X	-0.004	-0.004	1.055e-13	19.625
5	M115	X	-0.007	-0.007	7.167	19.625
6	M117	X	-0.013	-0.013	1.496e-13	12.458
7	M118	X	-0.01	-0.01	1.015e-13	12.458
8	M119	X	-0.003	-0.003	7.167	19.625
9	M108	X	-0.007	-0.007	1.02e-13	19.625
10	M113	X	-0.013	-0.013	1.164e-13	19.625
11	M114	X	-0.012	-0.012	1.854e-13	19.625
12	M115	X	-0.005	-0.005	6.642e-14	19.625
13	M17	X	2.827e-6	-0.004	8.48	9.01
14	M17	X	-0.004	-0.009	9.01	9.54
15	M17	X	-0.009	-0.009	9.54	10.07
16	M17	X	-0.009	-0.011	10.07	10.6
17	M17	X	-0.011	-0.011	10.6	11.13
18	M17	X	-0.011	-0.009	11.13	11.66
19	M17	X	-0.009	-0.009	11.66	12.19
20	M17	X	-0.009	-0.009	12.19	12.72
21	M17	X	-0.009	-0.009	12.72	13.25
22	M17	X	-0.009	-0.009	13.25	13.78

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
23	M17	X	-0.009	-0.009	13.78	14.31
24	M17	X	-0.009	-0.009	14.31	14.84
25	M17	X	-0.009	-0.011	14.84	15.37
26	M17	X	-0.011	-0.01	15.37	15.9
27	M17	X	-0.01	-0.009	15.9	16.43
28	M17	X	-0.009	-0.009	16.43	16.96
29	M95	X	-0.007	-0.007	9	19.625
30	M97	X	-0.013	-0.013	2.47e-14	10.625
31	M98	X	-0.013	-0.013	7.672e-14	10.625
32	M99	X	-0.013	-0.013	6.053e-14	10.625
33	M100	X	-0.013	-0.013	6.5e-14	10.625
34	M101	X	-0.013	-0.013	7.633e-14	10.625
35	M102	X	-0.013	-0.013	7.111e-14	10.625
36	M103	X	-0.013	-0.013	6.176e-14	10.625
37	M104	X	-0.013	-0.013	6.75e-14	10.625
38	M108	X	-0.004	-0.004	9	19.625
39	M109	X	-0.013	-0.013	0	0.531
40	M109	X	-0.013	-0.013	0.531	1.062
41	M109	X	-0.013	-0.013	1.062	1.594
42	M109	X	-0.013	-0.016	1.594	2.125
43	M109	X	-0.016	-0.016	2.125	2.656
44	M109	X	-0.016	-0.013	2.656	3.188
45	M109	X	-0.013	-0.013	3.188	3.719
46	M109	X	-0.013	-0.013	3.719	4.25
47	M109	X	-0.013	-0.013	4.25	4.781
48	M109	X	-0.013	-0.013	4.781	5.312
49	M109	X	-0.013	-0.013	5.312	5.844
50	M109	X	-0.013	-0.013	5.844	6.375
51	M109	X	-0.013	-0.014	6.375	6.906
52	M109	X	-0.014	-0.014	6.906	7.438
53	M109	X	-0.014	-0.016	7.438	7.969
54	M109	X	-0.016	-0.017	7.969	8.5
55	M109	X	-0.017	-0.015	8.5	9.031
56	M109	X	-0.015	-0.015	9.031	9.562
57	M109	X	-0.015	-0.015	9.562	10.094
58	M109	X	-0.015	-0.015	10.094	10.625
59	M110	X	-0.013	-0.013	1.989e-13	10.625
60	M111	X	-0.013	-0.013	1.483e-13	10.625
61	M112	X	-0.011	-0.011	1.286e-13	10.625
62	M125	X	-0.009	-0.009	0	0.531
63	M125	X	-0.009	-0.009	0.531	1.062
64	M125	X	-0.009	-0.009	1.062	1.594
65	M125	X	-0.009	-0.011	1.594	2.125
66	M125	X	-0.011	-0.011	2.125	2.656
67	M125	X	-0.011	-0.009	2.656	3.188
68	M125	X	-0.009	-0.009	3.188	3.719
69	M125	X	-0.009	-0.009	3.719	4.25
70	M125	X	-0.009	-0.009	4.25	4.781
71	M125	X	-0.009	-0.009	4.781	5.312
72	M125	X	-0.009	-0.009	5.312	5.844
73	M125	X	-0.009	-0.009	5.844	6.375
74	M125	X	-0.009	-0.009	6.375	6.906
75	M125	X	-0.009	-0.009	6.906	7.438
76	M125	X	-0.009	-0.014	7.438	7.969
77	M125	X	-0.014	-0.018	7.969	8.5

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
78	M125	X	-0.018	-0.015	8.5	9.031
79	M125	X	-0.015	-0.015	9.031	9.562
80	M125	X	-0.015	-0.015	9.562	10.094
81	M125	X	-0.015	-0.015	10.094	10.625
82	M85	X	-0.005	-0.005	2.376e-14	19.625
83	M95	X	-0.005	-0.005	2.587e-14	19.625
84	M12	X	-0.017	-0.017	9	16.842
85	M73	X	-0.007	-0.007	9	19.625
86	M75	X	-0.012	-0.012	5.21e-14	10.625
87	M76	X	-0.012	-0.012	4.619e-14	10.625
88	M77	X	-0.015	-0.015	6.528e-14	10.625
89	M78	X	-0.012	-0.012	4.649e-14	10.625
90	M79	X	-0.012	-0.012	3.617e-14	10.625
91	M80	X	-0.015	-0.015	5.371e-14	10.625
92	M81	X	-0.012	-0.012	4.607e-14	10.625
93	M82	X	-0.015	-0.015	6.611e-14	0.253
94	M82	X	-0.015	-0.015	0.253	0.506
95	M82	X	-0.015	-0.015	0.506	0.759
96	M82	X	-0.015	-0.015	0.759	1.012
97	M82	X	-0.015	-0.015	1.012	1.265
98	M82	X	-0.015	-0.015	1.265	1.518
99	M82	X	-0.015	-0.015	1.518	1.771
100	M82	X	-0.015	-0.015	1.771	2.024
101	M82	X	-0.015	-0.015	2.024	2.277
102	M82	X	-0.015	-0.015	2.277	2.53
103	M82	X	-0.015	-0.015	2.53	2.783
104	M82	X	-0.015	-0.015	2.783	3.036
105	M82	X	-0.015	-0.015	3.036	3.289
106	M82	X	-0.015	-0.015	3.289	3.542
107	M82	X	-0.015	-0.015	3.542	3.795
108	M82	X	-0.015	-0.015	3.795	4.048
109	M82	X	-0.015	-0.015	4.048	4.301
110	M82	X	-0.015	-0.015	4.301	4.554
111	M82	X	-0.015	-0.015	4.554	4.807
112	M82	X	-0.015	-0.015	4.807	5.06
113	M82	X	-0.015	-0.015	5.06	5.313
114	M82	X	-0.015	-0.015	5.313	5.565
115	M82	X	-0.015	-0.015	5.565	5.818
116	M82	X	-0.015	-0.015	5.818	6.071
117	M82	X	-0.015	-0.015	6.071	6.324
118	M82	X	-0.015	-0.015	6.324	6.577
119	M82	X	-0.015	-0.015	6.577	6.83
120	M82	X	-0.015	-0.015	6.83	7.083
121	M82	X	-0.015	-0.015	7.083	7.336
122	M82	X	-0.015	-0.015	7.336	7.589
123	M82	X	-0.015	-0.019	7.589	7.842
124	M82	X	-0.019	-0.022	7.842	8.095
125	M82	X	-0.022	-0.022	8.095	8.348
126	M82	X	-0.022	-0.022	8.348	8.601
127	M82	X	-0.022	-0.022	8.601	8.854
128	M82	X	-0.022	-0.022	8.854	9.107
129	M82	X	-0.022	-0.022	9.107	9.36
130	M82	X	-0.022	-0.022	9.36	9.613
131	M82	X	-0.022	-0.022	9.613	9.866
132	M82	X	-0.022	-0.022	9.866	10.119

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
133	M82	X	-0.022	-0.022	10.119	10.372
134	M82	X	-0.022	-0.022	10.372	10.625
135	M85	X	-0.002	-0.002	9	19.625
136	M87	X	-0.013	-0.012	6.353e-14	0.253
137	M87	X	-0.012	-0.012	0.253	0.506
138	M87	X	-0.012	-0.012	0.506	0.759
139	M87	X	-0.012	-0.012	0.759	1.012
140	M87	X	-0.012	-0.012	1.012	1.265
141	M87	X	-0.012	-0.012	1.265	1.518
142	M87	X	-0.012	-0.012	1.518	1.771
143	M87	X	-0.012	-0.012	1.771	2.024
144	M87	X	-0.012	-0.012	2.024	2.277
145	M87	X	-0.012	-0.012	2.277	2.53
146	M87	X	-0.012	-0.012	2.53	2.783
147	M87	X	-0.012	-0.012	2.783	3.036
148	M87	X	-0.012	-0.012	3.036	3.289
149	M87	X	-0.012	-0.012	3.289	3.542
150	M87	X	-0.012	-0.012	3.542	3.795
151	M87	X	-0.012	-0.012	3.795	4.048
152	M87	X	-0.012	-0.012	4.048	4.301
153	M87	X	-0.012	-0.012	4.301	4.554
154	M87	X	-0.012	-0.012	4.554	4.807
155	M87	X	-0.012	-0.012	4.807	5.06
156	M87	X	-0.012	-0.012	5.06	5.313
157	M87	X	-0.012	-0.012	5.313	5.565
158	M87	X	-0.012	-0.012	5.565	5.818
159	M87	X	-0.012	-0.012	5.818	6.071
160	M87	X	-0.012	-0.012	6.071	6.324
161	M87	X	-0.012	-0.012	6.324	6.577
162	M87	X	-0.012	-0.012	6.577	6.83
163	M87	X	-0.012	-0.012	6.83	7.083
164	M87	X	-0.012	-0.012	7.083	7.336
165	M87	X	-0.012	-0.012	7.336	7.589
166	M87	X	-0.012	-0.017	7.589	7.842
167	M87	X	-0.017	-0.022	7.842	8.095
168	M87	X	-0.022	-0.022	8.095	8.348
169	M87	X	-0.022	-0.022	8.348	8.601
170	M87	X	-0.022	-0.022	8.601	8.854
171	M87	X	-0.022	-0.022	8.854	9.107
172	M87	X	-0.022	-0.022	9.107	9.36
173	M87	X	-0.022	-0.022	9.36	9.613
174	M87	X	-0.022	-0.022	9.613	9.866
175	M87	X	-0.022	-0.022	9.866	10.119
176	M87	X	-0.022	-0.022	10.119	10.372
177	M87	X	-0.022	-0.022	10.372	10.625
178	M88	X	-0.012	-0.012	8.984e-14	10.625
179	M89	X	-0.015	-0.015	5.92e-14	10.625
180	M90	X	-0.012	-0.012	3.791e-14	10.625
181	M91	X	-0.012	-0.012	6.015e-14	10.625
182	M92	X	-0.015	-0.015	6.542e-14	10.625
183	M93	X	-0.012	-0.012	7.014e-14	10.625
184	M94	X	-0.012	-0.012	7.341e-14	10.625
185	M124	X	-0.01	-0.01	4.705e-14	10.625
186	M72	X	-0.005	-0.005	4.516e-14	19.625
187	M73	X	-0.005	-0.005	2.986e-14	19.625

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
188	M6	X	5.032e-6	-0.003	8.121	8.628
189	M6	X	-0.003	-0.009	8.628	9.136
190	M6	X	-0.009	-0.009	9.136	9.643
191	M6	X	-0.009	-0.009	9.643	10.151
192	M6	X	-0.009	-0.011	10.151	10.658
193	M6	X	-0.011	-0.011	10.658	11.166
194	M6	X	-0.011	-0.011	11.166	11.674
195	M6	X	-0.011	-0.011	11.674	12.181
196	M6	X	-0.011	-0.011	12.181	12.689
197	M6	X	-0.011	-0.011	12.689	13.196
198	M6	X	-0.011	-0.011	13.196	13.704
199	M6	X	-0.011	-0.011	13.704	14.211
200	M6	X	-0.011	-0.011	14.211	14.719
201	M6	X	-0.011	-0.011	14.719	15.226
202	M6	X	-0.011	-0.011	15.226	15.734
203	M6	X	-0.011	-0.012	15.734	16.241
204	M48	X	-0.007	-0.007	9	19.625
205	M50	X	-0.013	-0.013	2.573e-14	10.625
206	M51	X	-0.013	-0.013	1.191e-14	10.625
207	M52	X	-0.013	-0.013	1.174e-14	10.625
208	M53	X	-0.013	-0.013	3.256e-14	10.625
209	M54	X	-0.013	-0.013	1.99e-14	10.625
210	M55	X	-0.013	-0.013	6.339e-14	10.625
211	M56	X	-0.013	-0.013	2.756e-14	10.625
212	M57	X	-0.013	-0.013	3.089e-14	10.625
213	M58	X	-0.013	-0.013	2.023e-14	10.625
214	M59	X	-0.013	-0.013	3.186e-14	10.625
215	M60	X	-0.011	-0.011	0	0.531
216	M60	X	-0.011	-0.011	0.531	1.062
217	M60	X	-0.011	-0.011	1.062	1.594
218	M60	X	-0.011	-0.011	1.594	2.125
219	M60	X	-0.011	-0.013	2.125	2.656
220	M60	X	-0.013	-0.013	2.656	3.188
221	M60	X	-0.013	-0.011	3.188	3.719
222	M60	X	-0.011	-0.011	3.719	4.25
223	M60	X	-0.011	-0.011	4.25	4.781
224	M60	X	-0.011	-0.011	4.781	5.312
225	M60	X	-0.011	-0.011	5.312	5.844
226	M60	X	-0.011	-0.011	5.844	6.375
227	M60	X	-0.011	-0.012	6.375	6.906
228	M60	X	-0.012	-0.015	6.906	7.438
229	M60	X	-0.015	-0.02	7.438	7.969
230	M60	X	-0.02	-0.021	7.969	8.5
231	M60	X	-0.021	-0.017	8.5	9.031
232	M60	X	-0.017	-0.017	9.031	9.562
233	M60	X	-0.017	-0.017	9.562	10.094
234	M60	X	-0.017	-0.017	10.094	10.625
235	M64	X	-0.013	-0.013	0	0.531
236	M64	X	-0.013	-0.013	0.531	1.062
237	M64	X	-0.013	-0.013	1.062	1.594
238	M64	X	-0.013	-0.014	1.594	2.125
239	M64	X	-0.014	-0.015	2.125	2.656
240	M64	X	-0.015	-0.014	2.656	3.188
241	M64	X	-0.014	-0.013	3.188	3.719
242	M64	X	-0.013	-0.013	3.719	4.25

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
243	M64	X	-0.013	-0.013	4.25	4.781
244	M64	X	-0.013	-0.013	4.781	5.312
245	M64	X	-0.013	-0.013	5.312	5.844
246	M64	X	-0.013	-0.013	5.844	6.375
247	M64	X	-0.013	-0.014	6.375	6.906
248	M64	X	-0.014	-0.015	6.906	7.438
249	M64	X	-0.015	-0.021	7.438	7.969
250	M64	X	-0.021	-0.021	7.969	8.5
251	M64	X	-0.021	-0.017	8.5	9.031
252	M64	X	-0.017	-0.017	9.031	9.562
253	M64	X	-0.017	-0.017	9.562	10.094
254	M64	X	-0.017	-0.017	10.094	10.625
255	M65	X	-0.013	-0.013	4.646e-14	10.625
256	M66	X	-0.013	-0.013	7.278e-14	10.625
257	M67	X	-0.013	-0.013	7.391e-14	10.625
258	M68	X	-0.013	-0.013	8.513e-14	10.625
259	M69	X	-0.013	-0.013	6.625e-14	10.625
260	M70	X	-0.013	-0.013	4.396e-14	10.625
261	M71	X	-0.013	-0.013	7.361e-14	10.625
262	M72	X	-0.003	-0.003	9	19.625
263	M123	X	-0.009	-0.009	7.816e-14	10.625
264	M47	X	-0.005	-0.005	2.542e-14	19.625
265	M48	X	-0.005	-0.005	1.06e-14	19.625
266	M41	X	-0.007	-0.007	9	19.625
267	M42	X	-0.013	-0.013	3.056e-14	10.625
268	M43	X	-0.013	-0.013	4.358e-15	10.625
269	M44	X	-0.013	-0.013	0	10.625
270	M45	X	-0.013	-0.013	0	0.531
271	M45	X	-0.013	-0.013	0.531	1.062
272	M45	X	-0.013	-0.014	1.062	1.594
273	M45	X	-0.014	-0.016	1.594	2.125
274	M45	X	-0.016	-0.015	2.125	2.656
275	M45	X	-0.015	-0.012	2.656	3.188
276	M45	X	-0.012	-0.013	3.188	3.719
277	M45	X	-0.013	-0.013	3.719	4.25
278	M45	X	-0.013	-0.014	4.25	4.781
279	M45	X	-0.014	-0.013	4.781	5.312
280	M45	X	-0.013	-0.013	5.312	5.844
281	M45	X	-0.013	-0.013	5.844	6.375
282	M45	X	-0.013	-0.013	6.375	6.906
283	M45	X	-0.013	-0.013	6.906	7.438
284	M45	X	-0.013	-0.014	7.438	7.969
285	M45	X	-0.014	-0.015	7.969	8.5
286	M45	X	-0.015	-0.013	8.5	9.031
287	M45	X	-0.013	-0.014	9.031	9.562
288	M45	X	-0.014	-0.013	9.562	10.094
289	M45	X	-0.013	-0.013	10.094	10.625
290	M46	X	-0.008	-0.008	0	0.531
291	M46	X	-0.008	-0.008	0.531	1.062
292	M46	X	-0.008	-0.008	1.062	1.594
293	M46	X	-0.008	-0.007	1.594	2.125
294	M46	X	-0.007	-0.008	2.125	2.656
295	M46	X	-0.008	-0.009	2.656	3.188
296	M46	X	-0.009	-0.009	3.188	3.719
297	M46	X	-0.009	-0.008	3.719	4.25

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
298	M46	X	-0.008	-0.008	4.25	4.781
299	M46	X	-0.008	-0.008	4.781	5.312
300	M46	X	-0.008	-0.008	5.312	5.844
301	M46	X	-0.008	-0.008	5.844	6.375
302	M46	X	-0.008	-0.009	6.375	6.906
303	M46	X	-0.009	-0.008	6.906	7.438
304	M46	X	-0.008	-0.008	7.438	7.969
305	M46	X	-0.008	-0.008	7.969	8.5
306	M46	X	-0.008	-0.008	8.5	9.031
307	M46	X	-0.008	-0.008	9.031	9.562
308	M46	X	-0.008	-0.008	9.562	10.094
309	M46	X	-0.008	-0.008	10.094	10.625
310	M47	X	2.599e-6	2.599e-6	7.85	8.385
311	M47	X	2.599e-6	-0.0004845	8.385	8.92
312	M47	X	-0.0004845	-0.001	8.92	9.456
313	M47	X	-0.001	-0.002	9.456	9.991
314	M47	X	-0.002	-0.001	9.991	10.526
315	M47	X	-0.001	-0.001	10.526	11.061
316	M47	X	-0.001	-0.001	11.061	11.597
317	M47	X	-0.001	-0.001	11.597	12.132
318	M47	X	-0.001	-0.002	12.132	12.667
319	M47	X	-0.002	-0.002	12.667	13.202
320	M47	X	-0.002	-0.001	13.202	13.737
321	M47	X	-0.001	-0.001	13.737	14.273
322	M47	X	-0.001	-0.001	14.273	14.808
323	M47	X	-0.001	-0.001	14.808	15.343
324	M47	X	-0.001	-0.001	15.343	15.878
325	M47	X	-0.001	-0.002	15.878	16.414
326	M47	X	-0.002	-0.002	16.414	16.949
327	M47	X	-0.002	-0.001	16.949	17.484
328	M47	X	-0.001	-0.001	17.484	18.019
329	M47	X	-0.001	-0.001	18.019	18.555
330	M47	X	-0.001	-0.001	18.555	19.09
331	M47	X	-0.001	-0.002	19.09	19.625
332	M38	X	-0.007	-0.007	1.396e-14	19.625
333	M39	X	-0.013	-0.013	2.323e-14	19.625
334	M41	X	-0.007	-0.007	2.021e-14	19.625
335	M116	X	-0.03	-0.03	2.78e-5	3.333
336	M126	X	-0.03	-0.03	0.000109	3.333
337	M96	X	-0.037	-0.037	0	12.501
338	M107	X	-0.037	-0.037	3.042e-5	6.207
339	M127	X	-0.037	-0.037	4.499e-5	6.208
340	M128	X	-0.037	-0.037	2.457e-8	12.501
341	M74	X	-0.037	-0.037	0	12.501
342	M86	X	-0.037	-0.037	4.669e-5	12.499
343	M129	X	-0.037	-0.037	6.726e-5	12.499
344	M130	X	-0.037	-0.037	2.457e-8	12.501
345	M49	X	-0.037	-0.037	4.968e-15	15.562
346	M63	X	-0.037	-0.037	2.798e-14	12.499
347	M131	X	-0.037	-0.037	3.927e-15	12.499
348	M132	X	-0.037	-0.037	1.046e-14	15.562
349	M40	X	-0.037	-0.037	7.354e-9	6.958
350	M133	X	-0.037	-0.037	0	6.958
351	M257	X	-0.007	-0.007	2.082e-13	19.625
352	M488	X	-0.013	-0.013	3.31e-13	19.625

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
353	M489	X	-0.01	-0.01	2.459e-13	19.625
354	M490	X	-0.004	-0.004	3.297e-13	19.625
355	M257	X	-0.003	-0.003	7.167	19.625
356	M393	X	-0.01	-0.01	2.043e-13	12.458
357	M457	X	-0.007	-0.007	7.167	19.625
358	M487	X	-0.013	-0.013	1.534e-13	12.458
359	M255	X	-0.012	-0.012	3.709e-13	19.625
360	M421	X	-0.007	-0.007	2.247e-13	19.625
361	M457	X	-0.005	-0.005	1.916e-13	19.625
362	M486	X	-0.013	-0.013	2.042e-13	19.625
363	M395	X	-0.007	-0.007	9	19.625
364	M402	X	2.827e-6	-0.004	8.48	9.01
365	M402	X	-0.004	-0.009	9.01	9.54
366	M402	X	-0.009	-0.009	9.54	10.07
367	M402	X	-0.009	-0.011	10.07	10.6
368	M402	X	-0.011	-0.011	10.6	11.13
369	M402	X	-0.011	-0.009	11.13	11.66
370	M402	X	-0.009	-0.009	11.66	12.19
371	M402	X	-0.009	-0.009	12.19	12.72
372	M402	X	-0.009	-0.009	12.72	13.25
373	M402	X	-0.009	-0.009	13.25	13.78
374	M402	X	-0.009	-0.009	13.78	14.31
375	M402	X	-0.009	-0.009	14.31	14.84
376	M402	X	-0.009	-0.011	14.84	15.37
377	M402	X	-0.011	-0.01	15.37	15.9
378	M402	X	-0.01	-0.009	15.9	16.43
379	M402	X	-0.009	-0.009	16.43	16.96
380	M412	X	-0.013	-0.013	2.05e-13	10.625
381	M419	X	-0.013	-0.013	1.51e-13	10.625
382	M421	X	-0.004	-0.004	9	19.625
383	M440	X	-0.009	-0.009	0	0.531
384	M440	X	-0.009	-0.009	0.531	1.062
385	M440	X	-0.009	-0.009	1.062	1.594
386	M440	X	-0.009	-0.011	1.594	2.125
387	M440	X	-0.011	-0.011	2.125	2.656
388	M440	X	-0.011	-0.009	2.656	3.188
389	M440	X	-0.009	-0.009	3.188	3.719
390	M440	X	-0.009	-0.009	3.719	4.25
391	M440	X	-0.009	-0.009	4.25	4.781
392	M440	X	-0.009	-0.009	4.781	5.312
393	M440	X	-0.009	-0.009	5.312	5.844
394	M440	X	-0.009	-0.009	5.844	6.375
395	M440	X	-0.009	-0.009	6.375	6.906
396	M440	X	-0.009	-0.009	6.906	7.438
397	M440	X	-0.009	-0.014	7.438	7.969
398	M440	X	-0.014	-0.018	7.969	8.5
399	M440	X	-0.018	-0.015	8.5	9.031
400	M440	X	-0.015	-0.015	9.031	9.562
401	M440	X	-0.015	-0.015	9.562	10.094
402	M440	X	-0.015	-0.015	10.094	10.625
403	M446	X	-0.011	-0.011	3.559e-13	10.625
404	M449	X	-0.013	-0.013	3.442e-13	10.625
405	M451	X	-0.013	-0.013	0	0.531
406	M451	X	-0.013	-0.013	0.531	1.062
407	M451	X	-0.013	-0.013	1.062	1.594

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
408	M451	X	-0.013	-0.016	1.594	2.125
409	M451	X	-0.016	-0.016	2.125	2.656
410	M451	X	-0.016	-0.013	2.656	3.188
411	M451	X	-0.013	-0.013	3.188	3.719
412	M451	X	-0.013	-0.013	3.719	4.25
413	M451	X	-0.013	-0.013	4.25	4.781
414	M451	X	-0.013	-0.013	4.781	5.312
415	M451	X	-0.013	-0.013	5.312	5.844
416	M451	X	-0.013	-0.013	5.844	6.375
417	M451	X	-0.013	-0.014	6.375	6.906
418	M451	X	-0.014	-0.014	6.906	7.438
419	M451	X	-0.014	-0.016	7.438	7.969
420	M451	X	-0.016	-0.017	7.969	8.5
421	M451	X	-0.017	-0.015	8.5	9.031
422	M451	X	-0.015	-0.015	9.031	9.562
423	M451	X	-0.015	-0.015	9.562	10.094
424	M451	X	-0.015	-0.015	10.094	10.625
425	M468	X	-0.013	-0.013	1.691e-13	10.625
426	M479	X	-0.013	-0.013	1.9e-13	10.625
427	M480	X	-0.013	-0.013	1.753e-13	10.625
428	M481	X	-0.013	-0.013	4.778e-13	10.625
429	M482	X	-0.013	-0.013	3.431e-13	10.625
430	M483	X	-0.013	-0.013	2.062e-13	10.625
431	M484	X	-0.013	-0.013	3.474e-13	10.625
432	M395	X	-0.005	-0.005	3.028e-13	19.625
433	M413	X	-0.005	-0.005	1.714e-13	19.625
434	M258	X	-0.012	-0.012	3.054e-13	10.625
435	M260	X	-0.012	-0.012	3.185e-13	10.625
436	M396	X	-0.012	-0.012	9.293e-14	10.625
437	M397	X	-0.015	-0.015	3.713e-13	10.625
438	M399	X	-0.012	-0.012	4.538e-14	10.625
439	M400	X	-0.007	-0.007	9	19.625
440	M409	X	-0.01	-0.01	3.076e-13	10.625
441	M413	X	-0.002	-0.002	9	19.625
442	M416	X	-0.012	-0.012	0	10.625
443	M428	X	-0.015	-0.015	3.197e-13	10.625
444	M438	X	-0.012	-0.012	7.278e-14	10.625
445	M456	X	-0.012	-0.012	1.46e-13	10.625
446	M465	X	-0.015	-0.015	1.172e-13	0.253
447	M465	X	-0.015	-0.015	0.253	0.506
448	M465	X	-0.015	-0.015	0.506	0.759
449	M465	X	-0.015	-0.015	0.759	1.012
450	M465	X	-0.015	-0.015	1.012	1.265
451	M465	X	-0.015	-0.015	1.265	1.518
452	M465	X	-0.015	-0.015	1.518	1.771
453	M465	X	-0.015	-0.015	1.771	2.024
454	M465	X	-0.015	-0.015	2.024	2.277
455	M465	X	-0.015	-0.015	2.277	2.53
456	M465	X	-0.015	-0.015	2.53	2.783
457	M465	X	-0.015	-0.015	2.783	3.036
458	M465	X	-0.015	-0.015	3.036	3.289
459	M465	X	-0.015	-0.015	3.289	3.542
460	M465	X	-0.015	-0.015	3.542	3.795
461	M465	X	-0.015	-0.015	3.795	4.048
462	M465	X	-0.015	-0.015	4.048	4.301

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
463	M465	X	-0.015	-0.015	4.301	4.554
464	M465	X	-0.015	-0.015	4.554	4.807
465	M465	X	-0.015	-0.015	4.807	5.06
466	M465	X	-0.015	-0.015	5.06	5.312
467	M465	X	-0.015	-0.015	5.312	5.565
468	M465	X	-0.015	-0.015	5.565	5.818
469	M465	X	-0.015	-0.015	5.818	6.071
470	M465	X	-0.015	-0.015	6.071	6.324
471	M465	X	-0.015	-0.015	6.324	6.577
472	M465	X	-0.015	-0.015	6.577	6.83
473	M465	X	-0.015	-0.015	6.83	7.083
474	M465	X	-0.015	-0.015	7.083	7.336
475	M465	X	-0.015	-0.015	7.336	7.589
476	M465	X	-0.015	-0.019	7.589	7.842
477	M465	X	-0.019	-0.022	7.842	8.095
478	M465	X	-0.022	-0.022	8.095	8.348
479	M465	X	-0.022	-0.022	8.348	8.601
480	M465	X	-0.022	-0.022	8.601	8.854
481	M465	X	-0.022	-0.022	8.854	9.107
482	M465	X	-0.022	-0.022	9.107	9.36
483	M465	X	-0.022	-0.022	9.36	9.613
484	M465	X	-0.022	-0.022	9.613	9.866
485	M465	X	-0.022	-0.022	9.866	10.119
486	M465	X	-0.022	-0.022	10.119	10.372
487	M465	X	-0.022	-0.022	10.372	10.625
488	M473	X	-0.012	-0.012	1.485e-13	10.625
489	M474	X	-0.012	-0.012	3.536e-13	10.625
490	M475	X	-0.015	-0.015	1.226e-13	10.625
491	M476	X	-0.013	-0.012	3.454e-13	0.253
492	M476	X	-0.012	-0.012	0.253	0.506
493	M476	X	-0.012	-0.012	0.506	0.759
494	M476	X	-0.012	-0.012	0.759	1.012
495	M476	X	-0.012	-0.012	1.012	1.265
496	M476	X	-0.012	-0.012	1.265	1.518
497	M476	X	-0.012	-0.012	1.518	1.771
498	M476	X	-0.012	-0.012	1.771	2.024
499	M476	X	-0.012	-0.012	2.024	2.277
500	M476	X	-0.012	-0.012	2.277	2.53
501	M476	X	-0.012	-0.012	2.53	2.783
502	M476	X	-0.012	-0.012	2.783	3.036
503	M476	X	-0.012	-0.012	3.036	3.289
504	M476	X	-0.012	-0.012	3.289	3.542
505	M476	X	-0.012	-0.012	3.542	3.795
506	M476	X	-0.012	-0.012	3.795	4.048
507	M476	X	-0.012	-0.012	4.048	4.301
508	M476	X	-0.012	-0.012	4.301	4.554
509	M476	X	-0.012	-0.012	4.554	4.807
510	M476	X	-0.012	-0.012	4.807	5.06
511	M476	X	-0.012	-0.012	5.06	5.312
512	M476	X	-0.012	-0.012	5.312	5.565
513	M476	X	-0.012	-0.012	5.565	5.818
514	M476	X	-0.012	-0.012	5.818	6.071
515	M476	X	-0.012	-0.012	6.071	6.324
516	M476	X	-0.012	-0.012	6.324	6.577
517	M476	X	-0.012	-0.012	6.577	6.83

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
518	M476	X	-0.012	-0.012	6.83	7.083
519	M476	X	-0.012	-0.012	7.083	7.336
520	M476	X	-0.012	-0.012	7.336	7.589
521	M476	X	-0.012	-0.017	7.589	7.842
522	M476	X	-0.017	-0.022	7.842	8.095
523	M476	X	-0.022	-0.022	8.095	8.348
524	M476	X	-0.022	-0.022	8.348	8.601
525	M476	X	-0.022	-0.022	8.601	8.854
526	M476	X	-0.022	-0.022	8.854	9.107
527	M476	X	-0.022	-0.022	9.107	9.36
528	M476	X	-0.022	-0.022	9.36	9.613
529	M476	X	-0.022	-0.022	9.613	9.866
530	M476	X	-0.022	-0.022	9.866	10.119
531	M476	X	-0.022	-0.022	10.119	10.372
532	M476	X	-0.022	-0.022	10.372	10.625
533	M477	X	-0.015	-0.015	1.52e-13	10.625
534	M478	X	-0.012	-0.012	2.317e-13	10.625
535	M507	X	-0.017	-0.017	9	16.842
536	M400	X	-0.005	-0.005	2.288e-13	19.625
537	M444	X	-0.005	-0.005	1.862e-13	19.625
538	M256	X	-0.013	-0.013	2.522e-13	10.625
539	M403	X	-0.013	-0.013	1.761e-13	10.625
540	M404	X	-0.009	-0.009	1.99e-13	10.625
541	M414	X	-0.013	-0.013	1.812e-13	10.625
542	M423	X	-0.013	-0.013	2.558e-13	10.625
543	M424	X	-0.013	-0.013	2.228e-13	10.625
544	M427	X	-0.013	-0.013	1.989e-13	10.625
545	M430	X	-0.013	-0.013	2.718e-13	10.625
546	M432	X	-0.013	-0.013	2.511e-13	10.625
547	M433	X	-0.011	-0.011	0	0.531
548	M433	X	-0.011	-0.011	0.531	1.062
549	M433	X	-0.011	-0.011	1.062	1.594
550	M433	X	-0.011	-0.013	1.594	2.125
551	M433	X	-0.013	-0.013	2.125	2.656
552	M433	X	-0.013	-0.011	2.656	3.188
553	M433	X	-0.011	-0.011	3.188	3.719
554	M433	X	-0.011	-0.011	3.719	4.25
555	M433	X	-0.011	-0.011	4.25	4.781
556	M433	X	-0.011	-0.011	4.781	5.312
557	M433	X	-0.011	-0.011	5.312	5.844
558	M433	X	-0.011	-0.011	5.844	6.375
559	M433	X	-0.011	-0.012	6.375	6.906
560	M433	X	-0.012	-0.017	6.906	7.438
561	M433	X	-0.017	-0.02	7.438	7.969
562	M433	X	-0.02	-0.018	7.969	8.5
563	M433	X	-0.018	-0.017	8.5	9.031
564	M433	X	-0.017	-0.017	9.031	9.562
565	M433	X	-0.017	-0.017	9.562	10.094
566	M433	X	-0.017	-0.017	10.094	10.625
567	M444	X	-0.003	-0.003	9	19.625
568	M455	X	-0.013	-0.013	6.4e-14	10.625
569	M458	X	-0.007	-0.007	9	19.625
570	M459	X	-0.013	-0.013	3.197e-13	10.625
571	M460	X	-0.013	-0.013	1.883e-13	10.625
572	M462	X	-0.013	-0.013	1.623e-13	10.625

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
573	M463	X	-0.013	-0.013	2.227e-13	10.625
574	M464	X	-0.013	-0.013	0	0.531
575	M464	X	-0.013	-0.013	0.531	1.062
576	M464	X	-0.013	-0.013	1.062	1.594
577	M464	X	-0.013	-0.015	1.594	2.125
578	M464	X	-0.015	-0.015	2.125	2.656
579	M464	X	-0.015	-0.014	2.656	3.188
580	M464	X	-0.014	-0.013	3.188	3.719
581	M464	X	-0.013	-0.013	3.719	4.25
582	M464	X	-0.013	-0.013	4.25	4.781
583	M464	X	-0.013	-0.013	4.781	5.312
584	M464	X	-0.013	-0.013	5.312	5.844
585	M464	X	-0.013	-0.013	5.844	6.375
586	M464	X	-0.013	-0.014	6.375	6.906
587	M464	X	-0.014	-0.015	6.906	7.438
588	M464	X	-0.015	-0.021	7.438	7.969
589	M464	X	-0.021	-0.021	7.969	8.5
590	M464	X	-0.021	-0.017	8.5	9.031
591	M464	X	-0.017	-0.017	9.031	9.562
592	M464	X	-0.017	-0.017	9.562	10.094
593	M464	X	-0.017	-0.017	10.094	10.625
594	M469	X	-0.013	-0.013	1.394e-13	10.625
595	M470	X	-0.013	-0.013	1.381e-13	10.625
596	M471	X	-0.013	-0.013	2.088e-13	10.625
597	M472	X	-0.013	-0.013	1.35e-13	10.625
598	M505	X	5.032e-6	-0.003	8.121	8.628
599	M505	X	-0.003	-0.009	8.628	9.136
600	M505	X	-0.009	-0.009	9.136	9.643
601	M505	X	-0.009	-0.009	9.643	10.151
602	M505	X	-0.009	-0.011	10.151	10.658
603	M505	X	-0.011	-0.011	10.658	11.166
604	M505	X	-0.011	-0.011	11.166	11.674
605	M505	X	-0.011	-0.011	11.674	12.181
606	M505	X	-0.011	-0.011	12.181	12.689
607	M505	X	-0.011	-0.011	12.689	13.196
608	M505	X	-0.011	-0.011	13.196	13.704
609	M505	X	-0.011	-0.011	13.704	14.211
610	M505	X	-0.011	-0.011	14.211	14.719
611	M505	X	-0.011	-0.011	14.719	15.226
612	M505	X	-0.011	-0.011	15.226	15.734
613	M505	X	-0.011	-0.012	15.734	16.241
614	M435	X	-0.005	-0.005	1.656e-13	19.625
615	M458	X	-0.005	-0.005	1.318e-13	19.625
616	M259	X	-0.007	-0.007	9	19.625
617	M407	X	-0.013	-0.013	2.45e-13	10.625
618	M431	X	-0.013	-0.013	0	0.531
619	M431	X	-0.013	-0.013	0.531	1.062
620	M431	X	-0.013	-0.014	1.062	1.594
621	M431	X	-0.014	-0.016	1.594	2.125
622	M431	X	-0.016	-0.015	2.125	2.656
623	M431	X	-0.015	-0.012	2.656	3.188
624	M431	X	-0.012	-0.013	3.188	3.719
625	M431	X	-0.013	-0.013	3.719	4.25
626	M431	X	-0.013	-0.014	4.25	4.781
627	M431	X	-0.014	-0.013	4.781	5.312

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
628	M431	X	-0.013	-0.013	5.312	5.844
629	M431	X	-0.013	-0.013	5.844	6.375
630	M431	X	-0.013	-0.013	6.375	6.906
631	M431	X	-0.013	-0.013	6.906	7.438
632	M431	X	-0.013	-0.014	7.438	7.969
633	M431	X	-0.014	-0.015	7.969	8.5
634	M431	X	-0.015	-0.013	8.5	9.031
635	M431	X	-0.013	-0.014	9.031	9.562
636	M431	X	-0.014	-0.013	9.562	10.094
637	M431	X	-0.013	-0.013	10.094	10.625
638	M435	X	2.599e-6	2.599e-6	7.85	8.385
639	M435	X	2.599e-6	-0.0004845	8.385	8.92
640	M435	X	-0.0004845	-0.001	8.92	9.456
641	M435	X	-0.001	-0.002	9.456	9.991
642	M435	X	-0.002	-0.001	9.991	10.526
643	M435	X	-0.001	-0.001	10.526	11.061
644	M435	X	-0.001	-0.001	11.061	11.597
645	M435	X	-0.001	-0.001	11.597	12.132
646	M435	X	-0.001	-0.002	12.132	12.667
647	M435	X	-0.002	-0.002	12.667	13.202
648	M435	X	-0.002	-0.001	13.202	13.737
649	M435	X	-0.001	-0.001	13.737	14.273
650	M435	X	-0.001	-0.001	14.273	14.808
651	M435	X	-0.001	-0.001	14.808	15.343
652	M435	X	-0.001	-0.001	15.343	15.878
653	M435	X	-0.001	-0.002	15.878	16.414
654	M435	X	-0.002	-0.002	16.414	16.949
655	M435	X	-0.002	-0.001	16.949	17.484
656	M435	X	-0.001	-0.001	17.484	18.019
657	M435	X	-0.001	-0.001	18.019	18.555
658	M435	X	-0.001	-0.001	18.555	19.09
659	M435	X	-0.001	-0.002	19.09	19.625
660	M439	X	-0.013	-0.013	2.45e-13	10.625
661	M452	X	-0.013	-0.013	4.734e-13	10.625
662	M453	X	-0.008	-0.008	0	0.531
663	M453	X	-0.008	-0.008	0.531	1.062
664	M453	X	-0.008	-0.008	1.062	1.594
665	M453	X	-0.008	-0.007	1.594	2.125
666	M453	X	-0.007	-0.008	2.125	2.656
667	M453	X	-0.008	-0.009	2.656	3.188
668	M453	X	-0.009	-0.009	3.188	3.719
669	M453	X	-0.009	-0.008	3.719	4.25
670	M453	X	-0.008	-0.008	4.25	4.781
671	M453	X	-0.008	-0.008	4.781	5.312
672	M453	X	-0.008	-0.008	5.312	5.844
673	M453	X	-0.008	-0.008	5.844	6.375
674	M453	X	-0.008	-0.009	6.375	6.906
675	M453	X	-0.009	-0.008	6.906	7.438
676	M453	X	-0.008	-0.008	7.438	7.969
677	M453	X	-0.008	-0.008	7.969	8.5
678	M453	X	-0.008	-0.008	8.5	9.031
679	M453	X	-0.008	-0.008	9.031	9.562
680	M453	X	-0.008	-0.008	9.562	10.094
681	M453	X	-0.008	-0.008	10.094	10.625
682	M259	X	-0.007	-0.007	2.114e-13	19.625

Member Distributed Loads (BLC 7 : BLC 4 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude [k/ft, F, ksf, k-ft/ft]	End Magnitude [k/ft, F, ksf, k-ft/ft]	Start Location [(ft, %)]	End Location [(ft, %)]
683	M436	X	-0.013	-0.013	1.613e-13	19.625
684	M448	X	-0.007	-0.007	2.561e-13	19.625
685	M442	X	-0.03	-0.03	2.78e-5	3.333
686	M491	X	-0.03	-0.03	0.000109	3.333
687	M417	X	-0.037	-0.037	4.499e-5	6.208
688	M420	X	-0.037	-0.037	3.042e-5	6.207
689	M422	X	-0.037	-0.037	2.457e-8	12.501
690	M429	X	-0.037	-0.037	0	12.501
691	M466	X	-0.037	-0.037	4.669e-5	12.499
692	M485	X	-0.037	-0.037	2.457e-8	12.501
693	M492	X	-0.037	-0.037	6.726e-5	12.499
694	M500	X	-0.037	-0.037	0	12.501
695	M262	X	-0.037	-0.037	7.416e-14	12.499
696	M493	X	-0.037	-0.037	0	15.562
697	M508	X	-0.037	-0.037	3.031e-13	15.562
698	M509	X	-0.037	-0.037	3.068e-14	12.499
699	M406	X	-0.037	-0.037	7.354e-9	6.958
700	M494	X	-0.037	-0.037	0	6.958

Load Combinations

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
1															
2	**LRFD LOAD COMBOS FOR GRAVITY**														
3															
4	Deflection 1 (DL ONLY)	Yes	Y	DL	1										
5	Deflection 2 (SL ONLY)	Yes	Y	SL	1										
6	Deflection 3 (DL + SL)	Yes	Y	DL	1	SL	1								
7	Deflection 4 (WL ONLY)	Yes	Y	WL	0.6										
8	IBC 16-1	Yes	Y	DL	1.4										
9	IBC 16-2 (a)	Yes	Y	DL	1.2	LL	1.6	LLS	1.6	RLL	0.5				
10	IBC 16-2 (b)	Yes	Y	DL	1.2	LL	1.6	LLS	1.6	SL	0.5	SLN	0.5		
11	IBC 16-2 (c)	Yes	Y	DL	1.2	LL	1.6	LLS	1.6						
12	IBC 16-3 (a)	Yes	Y	DL	1.2	RLL	1.6	LL	0.5	LLS	1				
13	IBC 16-3 (c)	Yes	Y	DL	1.2	SL	1.6	SLN	1.6	LL	0.5	LLS	1		
14															
15	**LIVE ROOF, SNOW, AND WIND**														
16	LIVE ROOF	Yes	Y	RLL	1										
17	SNOW	Yes	Y	SL	1										
18	WIND	Yes	Y	WL	1										
19															
20															
21	**LOAD COMBOS FOR WIND														
22															
23	IBC 16-3 (b) (a)		Y	DL	1.2	RLL	1.6	WLX	0.5						
24	IBC 16-3 (b) (b)		Y	DL	1.2	RLL	1.6	WLZ	0.5						
25	IBC 16-3 (d) (a)		Y	DL	1.2	SL	1.6	SLN	1.6	WLX	0.5				
26	IBC 16-3 (d) (b)		Y	DL	1.2	SL	1.6	SLN	1.6	WLZ	0.5				
27	IBC 16-3 (f) (a)		Y	DL	1.2	WLX	0.5								
28	IBC 16-3 (f) (b)		Y	DL	1.2	WLZ	0.5								
29	IBC 16-4 (a) (a)		Y	DL	1.2	WLX	1	LL	0.5	LLS	1	RLL	0.5		
30	IBC 16-4 (a) (b)		Y	DL	1.2	WLZ	1	LL	0.5	LLS	1	RLL	0.5		
31	IBC 16-4 (b) (a)		Y	DL	1.2	WLX	1	LL	0.5	LLS	1	SL	0.5	SLN	0.5
32	IBC 16-4 (b) (b)		Y	DL	1.2	WLZ	1	LL	0.5	LLS	1	SL	0.5	SLN	0.5
33	IBC 16-4 (c) (a)		Y	DL	1.2	WLX	1	LL	0.5	LLS	1				
34	IBC 16-4 (c) (b)		Y	DL	1.2	WLZ	1	LL	0.5	LLS	1				

Load Combinations (Continued)

	Description	Solve	P-Delta	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor	BLC	Factor
35	IBC 16-6 (a)		Y	DL	0.9	WLX	1								
36	IBC 16-6 (b)		Y	DL	0.9	WLZ	1								

Load Combination Design

	Description	Service	Hot Rolled	Cold Formed	Wood	Concrete	Masonry	Aluminum	Stainless	Connection
1		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2	**LRFD LOAD COMBOS FOR GRAVITY**	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4	Deflection 1 (DL ONLY)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5	Deflection 2 (SL ONLY)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6	Deflection 3 (DL + SL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7	Deflection 4 (WL ONLY)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
8	IBC 16-1		Yes	Yes		Yes	Yes	Yes	Yes	Yes
9	IBC 16-2 (a)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
10	IBC 16-2 (b)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
11	IBC 16-2 (c)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
12	IBC 16-3 (a)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
13	IBC 16-3 (c)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
14			Yes	Yes		Yes	Yes	Yes	Yes	Yes
15	**LIVE ROOF, SNOW, AND WIND**		Yes	Yes		Yes	Yes	Yes	Yes	Yes
16	LIVE ROOF		Yes	Yes		Yes	Yes	Yes	Yes	Yes
17	SNOW		Yes	Yes		Yes	Yes	Yes	Yes	Yes
18	WIND		Yes	Yes		Yes	Yes	Yes	Yes	Yes
19			Yes	Yes		Yes	Yes	Yes	Yes	Yes
20			Yes	Yes		Yes	Yes	Yes	Yes	Yes
21	**LOAD COMBOS FOR WIND		Yes	Yes		Yes	Yes	Yes	Yes	Yes
22			Yes	Yes		Yes	Yes	Yes	Yes	Yes
23	IBC 16-3 (b) (a)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
24	IBC 16-3 (b) (b)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
25	IBC 16-3 (d) (a)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
26	IBC 16-3 (d) (b)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
27	IBC 16-3 (f) (a)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
28	IBC 16-3 (f) (b)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
29	IBC 16-4 (a) (a)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
30	IBC 16-4 (a) (b)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
31	IBC 16-4 (b) (a)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
32	IBC 16-4 (b) (b)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
33	IBC 16-4 (c) (a)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
34	IBC 16-4 (c) (b)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
35	IBC 16-6 (a)		Yes	Yes		Yes	Yes	Yes	Yes	Yes
36	IBC 16-6 (b)		Yes	Yes		Yes	Yes	Yes	Yes	Yes

Envelope Member Section Forces

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1	M5	1	max	-0.019	16	44.325	13	0	18	0	18	0	18	0	18
2			min	-0.736	18	0	7	0	4	0	4	0	4	0	4
3		2	max	-0.019	16	23.879	13	0	18	0	18	0	18	0	18
4			min	-0.736	18	0	7	0	4	0	4	0	4	-311.064	13
5		3	max	-0.019	16	0	18	0	18	0	18	0	18	0	18
6			min	-0.736	18	-2.005	13	0	4	0	4	0	4	-405.485	13
7		4	max	-0.019	16	0	18	0	18	0	18	0	18	0	18
8			min	-0.736	18	-23.746	13	0	4	0	4	0	4	-298.714	13
9		5	max	-0.019	16	0	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
10			min	-0.736	18	-39.064	13	0	4	0	4	0	4	0	4
11	M6	1	max	59.773	13	0	17	0	18	0	18	0	18	0	18
12			min	0	7	-0.56	18	0	4	0	4	0	4	0	4
13		2	max	59.696	13	0	17	0	18	0	18	0	18	2.273	18
14			min	0	7	-0.56	18	0	4	0	4	0	4	0	5
15		3	max	59.62	13	0	17	0	18	0	18	0	18	4.547	18
16			min	0	7	-0.56	18	0	4	0	4	0	4	0	5
17		4	max	57.357	13	0.69	18	0	18	0	18	0	18	2.897	18
18			min	0	7	0	5	0	4	0	4	0	4	0	5
19		5	max	57.225	13	0.736	18	0	18	0	18	0	18	0	18
20			min	0	7	0	5	0	4	0	4	0	4	0	4
21	M7	1	max	0	18	12.9	13	0	18	0	18	0	18	0	18
22			min	-0.112	13	0	7	0	4	0	4	0	4	0	4
23		2	max	0	18	9.596	13	0	18	0	18	0	18	0	18
24			min	-0.112	13	0	7	0	4	0	4	0	4	-40.365	13
25		3	max	0	18	0.515	13	0	18	0	18	0	18	0	18
26			min	-0.112	13	0	7	0	4	0	4	0	4	-50.157	13
27		4	max	0	18	0	18	0	18	0	18	0	18	0	18
28			min	-0.112	13	-8.566	13	0	4	0	4	0	4	-36.668	13
29		5	max	0	18	0	18	0	18	0	18	0	18	0	18
30			min	-0.112	13	-11.87	13	0	4	0	4	0	4	0	4
31	M8	1	max	21.678	13	0.001	8	0	18	0	18	0	18	0	18
32			min	0	7	0	5	0	4	0	4	0	4	0	4
33		2	max	21.754	13	0	8	0	18	0	18	0	18	0	18
34			min	0	7	0	5	0	4	0	4	0	4	-0.003	8
35		3	max	21.831	13	0	18	0	18	0	18	0	18	0	18
36			min	0	7	0	4	0	4	0	4	0	4	-0.004	8
37		4	max	21.908	13	0	18	0	18	0	18	0	18	0	18
38			min	0	7	0	8	0	4	0	4	0	4	-0.003	8
39		5	max	21.984	13	0	18	0	18	0	18	0	18	0	18
40			min	0	7	-0.001	8	0	4	0	4	0	4	0	4
41	M9	1	max	39.604	13	0	18	0	18	0	18	0	18	0	18
42			min	0	7	0	4	0	4	0	4	0	4	0	4
43		2	max	39.469	13	0	18	0	18	0	18	0	18	0	18
44			min	0	7	0	4	0	4	0	4	0	4	0	4
45		3	max	39.334	13	0	18	0	18	0	18	0	18	0	18
46			min	0	7	0	4	0	4	0	4	0	4	0	4
47		4	max	39.199	13	0	18	0	18	0	18	0	18	0	18
48			min	0	7	0	4	0	4	0	4	0	4	0	4
49		5	max	39.064	13	0	18	0	18	0	18	0	18	0	18
50			min	0	7	0	4	0	4	0	4	0	4	0	4
51	M10	1	max	-0.018	16	34.781	13	0	18	0	18	0	18	0	18
52			min	-0.658	18	0	7	0	4	0	4	0	4	0	4
53		2	max	-0.018	16	18.395	13	0	18	0	18	0	18	0	18
54			min	-0.658	18	0	7	0	4	0	4	0	4	-250.227	13
55		3	max	-0.018	16	0	16	0	18	0	18	0	18	0	18
56			min	-0.658	18	-1.25	13	0	4	0	4	0	4	-331.944	13
57		4	max	-0.018	16	0	18	0	18	0	18	0	18	0	18
58			min	-0.658	18	-17.636	13	0	4	0	4	0	4	-243.077	13
59		5	max	-0.018	16	0	18	0	18	0	18	0	18	0	18
60			min	-0.658	18	-34.021	13	0	4	0	4	0	4	0	4
61	M11	1	max	34.587	13	0	18	0	18	0	18	0	18	0	18
62			min	0	7	0	4	0	4	0	4	0	4	0	4
63		2	max	34.445	13	0	18	0	18	0	18	0	18	0	18
64			min	0	7	0	4	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
65		3	max	34.304	13	0	18	0	18	0	18	0	18	0	18
66			min	0	7	0	4	0	4	0	4	0	4	0	4
67		4	max	34.163	13	0	18	0	18	0	18	0	18	0	18
68			min	0	7	0	4	0	4	0	4	0	4	0	4
69		5	max	34.022	13	0	18	0	18	0	18	0	18	0	18
70			min	0	7	0	4	0	4	0	4	0	4	0	4
71	M12	1	max	49.32	13	0	17	0	18	0	18	0	18	0	18
72			min	0	7	-0.523	18	0	4	0	4	0	4	0	4
73		2	max	49.239	13	0	17	0	18	0	18	0	18	2.216	18
74			min	0	7	-0.523	18	0	4	0	4	0	4	0	5
75		3	max	49.159	13	0	17	0	18	0	18	0	18	4.431	18
76			min	0	7	-0.523	18	0	4	0	4	0	4	0	5
77		4	max	47.187	13	0.586	18	0	18	0	18	0	18	2.643	18
78			min	0	7	0	5	0	4	0	4	0	4	0	5
79		5	max	47.02	13	0.658	18	0	18	0	18	0	18	0	18
80			min	0	7	0	5	0	4	0	4	0	4	0	4
81	M13	1	max	12.332	13	0.001	8	0	18	0	18	0	18	0	18
82			min	0	7	0	5	0	4	0	4	0	4	0	4
83		2	max	12.412	13	0	8	0	18	0	18	0	18	0	18
84			min	0	7	0	5	0	4	0	4	0	4	-0.003	8
85		3	max	12.492	13	0	18	0	18	0	18	0	18	0	18
86			min	0	7	0	4	0	4	0	4	0	4	-0.004	8
87		4	max	12.573	13	0	18	0	18	0	18	0	18	0	18
88			min	0	7	0	8	0	4	0	4	0	4	-0.003	8
89		5	max	12.653	13	0	18	0	18	0	18	0	18	0	18
90			min	0	7	-0.001	8	0	4	0	4	0	4	0	4
91	M14	1	max	0	18	12.239	13	0	18	0	18	0	18	0	18
92			min	-0.061	13	0	7	0	4	0	4	0	4	0	4
93		2	max	0	18	6.133	13	0	18	0	18	0	18	0	18
94			min	-0.061	13	0	7	0	4	0	4	0	4	-32.964	13
95		3	max	0	18	0.027	13	0	18	0	18	0	18	0	18
96			min	-0.061	13	0	7	0	4	0	4	0	4	-44.018	13
97		4	max	0	18	0	18	0	18	0	18	0	18	0	18
98			min	-0.061	13	-6.078	13	0	4	0	4	0	4	-33.16	13
99		5	max	0	18	0	18	0	18	0	18	0	18	0	18
100			min	-0.061	13	-12.332	13	0	4	0	4	0	4	0	4
101	M15	1	max	35.996	13	0	18	0	18	0	18	0	18	0	18
102			min	0	7	0	4	0	4	0	4	0	4	0	4
103		2	max	35.854	13	0	18	0	18	0	18	0	18	0	18
104			min	0	7	0	4	0	4	0	4	0	4	0	4
105		3	max	35.713	13	0	18	0	18	0	18	0	18	0	18
106			min	0	7	0	4	0	4	0	4	0	4	0	4
107		4	max	35.572	13	0	18	0	18	0	18	0	18	0	18
108			min	0	7	0	4	0	4	0	4	0	4	0	4
109		5	max	35.431	13	0	18	0	18	0	18	0	18	0	18
110			min	0	7	0	4	0	4	0	4	0	4	0	4
111	M16	1	max	-0.018	16	37.045	13	0	18	0	18	0	18	0	18
112			min	-0.482	18	0	7	0	4	0	4	0	4	0	4
113		2	max	-0.018	16	20.66	13	0	18	0	18	0	18	0	18
114			min	-0.482	18	0	7	0	4	0	4	0	4	-271.541	13
115		3	max	-0.018	16	0	16	0	18	0	18	0	18	0	18
116			min	-0.482	18	-2.659	13	0	4	0	4	0	4	-358.461	13
117		4	max	-0.018	16	0	18	0	18	0	18	0	18	0	18
118			min	-0.482	18	-19.044	13	0	4	0	4	0	4	-256.336	13
119		5	max	-0.018	16	0	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
120			min	-0.482	18	-35.43	13	0	4	0	4	0	4	0	4
121	M17	1	max	51.596	13	0	17	0	18	0	18	0	18	0	18
122			min	0	7	-0.393	18	0	4	0	4	0	4	0	4
123		2	max	51.516	13	0	17	0	18	0	18	0	18	1.665	18
124			min	0	7	-0.393	18	0	4	0	4	0	4	0	5
125		3	max	51.436	13	0	17	0	18	0	18	0	18	3.331	18
126			min	0	7	-0.393	18	0	4	0	4	0	4	0	5
127		4	max	49.908	13	0.442	18	0	18	0	18	0	18	1.956	18
128			min	0	7	0	5	0	4	0	4	0	4	0	5
129		5	max	49.781	13	0.482	18	0	18	0	18	0	18	0	18
130			min	0	7	0	5	0	4	0	4	0	4	0	4
131	M18	1	max	14.525	13	0.001	8	0	18	0	18	0	18	0	18
132			min	0	7	0	5	0	4	0	4	0	4	0	4
133		2	max	14.605	13	0	8	0	18	0	18	0	18	0	18
134			min	0	7	0	5	0	4	0	4	0	4	-0.003	8
135		3	max	14.685	13	0	18	0	18	0	18	0	18	0	18
136			min	0	7	0	4	0	4	0	4	0	4	-0.004	8
137		4	max	14.765	13	0	18	0	18	0	18	0	18	0	18
138			min	0	7	0	8	0	4	0	4	0	4	-0.003	8
139		5	max	14.845	13	0	18	0	18	0	18	0	18	0	18
140			min	0	7	-0.001	8	0	4	0	4	0	4	0	4
141	M19	1	max	0	18	12.734	13	0	18	0	18	0	18	0	18
142			min	-0.072	13	0	7	0	4	0	4	0	4	0	4
143		2	max	0	18	6.628	13	0	18	0	18	0	18	0	18
144			min	-0.072	13	0	7	0	4	0	4	0	4	-34.742	13
145		3	max	0	18	0.523	13	0	18	0	18	0	18	0	18
146			min	-0.072	13	0	7	0	4	0	4	0	4	-47.574	13
147		4	max	0	18	0	18	0	18	0	18	0	18	0	18
148			min	-0.072	13	-5.583	13	0	4	0	4	0	4	-38.495	13
149		5	max	0	18	0	18	0	18	0	18	0	18	0	18
150			min	-0.072	13	-14.524	13	0	4	0	4	0	4	0	4
151	M38	1	max	0.224	8	0	17	0	18	0	18	0	18	0	18
152			min	0	5	-0.065	18	0	4	0	4	0	4	0	4
153		2	max	0.168	8	0	17	0	18	0	18	0	18	0.24	18
154			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
155		3	max	0.112	8	0	18	0	18	0	18	0	18	0.32	18
156			min	0	5	0	4	0	4	0	4	0	4	0	4
157		4	max	0.056	8	0.033	18	0	18	0	18	0	18	0.24	18
158			min	0	5	0	4	0	4	0	4	0	4	0	4
159		5	max	0	18	0.065	18	0	18	0	18	0	18	0	18
160			min	0	4	0	4	0	4	0	4	0	4	0	4
161	M39	1	max	0.405	8	0	17	0	18	0	18	0	18	0	18
162			min	0	5	-0.13	18	0	4	0	4	0	4	0	4
163		2	max	0.304	8	0	17	0	18	0	18	0	18	0.478	18
164			min	0	5	-0.065	18	0	4	0	4	0	4	0	4
165		3	max	0.203	8	0	18	0	18	0	18	0	18	0.637	18
166			min	0	5	0	4	0	4	0	4	0	4	0	4
167		4	max	0.101	8	0.065	18	0	18	0	18	0	18	0.478	18
168			min	0	5	0	4	0	4	0	4	0	4	0	4
169		5	max	0	18	0.13	18	0	18	0	18	0	18	0	18
170			min	0	4	0	4	0	4	0	4	0	4	0	4
171	M40	1	max	0	18	0.637	8	0.307	18	0	18	0	18	0	18
172			min	0	4	0	5	0	4	0	4	0	4	0	4
173		2	max	0	18	0.234	8	0.128	18	0	18	0.408	18	0	18
174			min	0	4	0	5	0	4	0	4	0	4	-0.844	8

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
175		3	max	0	18	0	18	0	17	0	18	0.537	18	0	18
176			min	0	4	-0.025	8	-0.008	18	0	4	0	4	-1.104	8
177		4	max	0	18	0	18	0	17	0	18	0.401	18	0	18
178			min	0	4	-0.284	8	-0.144	18	0	4	0	4	-0.822	8
179		5	max	0	18	0	18	0	17	0	18	0	18	0	18
180			min	0	4	-0.543	8	-0.279	18	0	4	0	4	0	4
181	M41	1	max	0.907	8	0	17	0	18	0	18	0	18	0	18
182			min	0	5	-0.235	18	0	4	0	4	0	4	0	4
183		2	max	0.841	8	0	17	0	18	0	18	0	18	1.074	18
184			min	0	5	-0.203	18	0	4	0	4	0	4	0	4
185		3	max	0.224	8	0.114	18	0	18	0	18	0	18	1.76	18
186			min	0	5	0	4	0	4	0	4	0	4	0	4
187		4	max	0.112	8	0.179	18	0	18	0	18	0	18	1.04	18
188			min	0	5	0	4	0	4	0	4	0	4	0	4
189		5	max	0	18	0.244	18	0	18	0	18	0	18	0	18
190			min	0	4	0	4	0	4	0	4	0	4	0	4
191	M42	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
192			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
193		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
194			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
195		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
196			min	0	5	0	4	0	4	0	4	0	4	0	4
197		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
198			min	0	5	0	4	0	4	0	4	0	4	0	4
199		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
200			min	0	4	0	4	0	4	0	4	0	4	0	4
201	M43	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
202			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
203		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
204			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
205		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
206			min	0	5	0	4	0	4	0	4	0	4	0	4
207		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
208			min	0	5	0	4	0	4	0	4	0	4	0	4
209		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
210			min	0	4	0	4	0	4	0	4	0	4	0	4
211	M44	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
212			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
213		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
214			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
215		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
216			min	0	5	0	4	0	4	0	4	0	4	0	4
217		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
218			min	0	5	0	4	0	4	0	4	0	4	0	4
219		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
220			min	0	4	0	4	0	4	0	4	0	4	0	4
221	M45	1	max	0.222	8	0	17	0	18	0	18	0	18	0	18
222			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
223		2	max	0.165	8	0	17	0	18	0	18	0	18	0.143	18
224			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
225		3	max	0.111	8	0	18	0	18	0	18	0	18	0.188	18
226			min	0	5	0	4	0	4	0	4	0	4	0	4
227		4	max	0.057	8	0.035	18	0	18	0	18	0	18	0.142	18
228			min	0	5	0	4	0	4	0	4	0	4	0	4
229		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
230			min	0	4	0	4	0	4	0	4	0	4	0	4
231	M46	1	max	0.142	8	0	17	0	18	0	18	0	18	0	18
232			min	0	5	-0.043	18	0	4	0	4	0	4	0	4
233		2	max	0.108	8	0	17	0	18	0	18	0	18	0.085	18
234			min	0	5	-0.022	18	0	4	0	4	0	4	0	4
235		3	max	0.071	8	0	17	0	18	0	18	0	18	0.114	18
236			min	0	5	0	18	0	4	0	4	0	4	0	4
237		4	max	0.035	8	0.022	18	0	18	0	18	0	18	0.086	18
238			min	0	5	0	4	0	4	0	4	0	4	0	4
239		5	max	0	18	0.043	18	0	18	0	18	0	18	0	18
240			min	0	4	0	4	0	4	0	4	0	4	0	4
241	M47	1	max	0.88	8	0	17	0	18	0	18	0	18	0	18
242			min	0	5	-0.219	18	0	4	0	4	0	4	0	4
243		2	max	0.825	8	0	17	0	18	0	18	0	18	1.017	18
244			min	0	5	-0.195	18	0	4	0	4	0	4	0	4
245		3	max	0.131	8	0.138	18	0	18	0	18	0	18	1.663	18
246			min	0	5	0	4	0	4	0	4	0	4	0	4
247		4	max	0.065	8	0.169	18	0	18	0	18	0	18	0.909	18
248			min	0	5	0	4	0	4	0	4	0	4	0	4
249		5	max	0	18	0.201	18	0	18	0	18	0	18	0	18
250			min	0	4	0	4	0	4	0	4	0	4	0	4
251	M48	1	max	1.673	8	0	17	0	18	0	18	0	18	0	18
252			min	0	5	-0.43	18	0	4	0	4	0	4	0	4
253		2	max	1.618	8	0	17	0	18	0	18	0	18	2.051	18
254			min	0	5	-0.406	18	0	4	0	4	0	4	0	5
255		3	max	0.202	8	0.293	18	0	18	0	18	0	18	3.436	18
256			min	0	5	0	4	0	4	0	4	0	4	0	5
257		4	max	0.101	8	0.35	18	0	18	0	18	0	18	1.858	18
258			min	0	5	0	4	0	4	0	4	0	4	0	5
259		5	max	0	18	0.407	18	0	18	0	18	0	18	0	18
260			min	0	4	0	4	0	4	0	4	0	4	0	4
261	M49	1	max	0	18	1.353	8	0	17	0	18	0	18	0	18
262			min	0	4	0	5	-0.669	18	0	4	0	4	0	4
263		2	max	0	18	0.826	8	0	17	0	18	0	17	0	18
264			min	0	4	0	5	-0.382	18	0	4	-2.052	18	-4.26	8
265		3	max	0	18	0.077	8	0	17	0	18	0	17	0	18
266			min	0	4	0	5	-0.024	18	0	4	-2.734	18	-5.681	8
267		4	max	0	18	0	18	0.333	18	0	18	0	17	0	18
268			min	0	4	-0.671	8	0	4	0	4	-2.048	18	-4.26	8
269		5	max	0	18	0	18	0.683	18	0	18	0	18	0	18
270			min	0	4	-1.419	8	0	5	0	4	0	4	0	4
271	M50	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
272			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
273		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
274			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
275		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
276			min	0	5	0	4	0	4	0	4	0	4	0	4
277		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
278			min	0	5	0	4	0	4	0	4	0	4	0	4
279		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
280			min	0	4	0	4	0	4	0	4	0	4	0	4
281	M51	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
282			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
283		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
284			min	0	5	-0.035	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
285		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
286			min	0	5	0	4	0	4	0	4	0	4	0	4
287		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
288			min	0	5	0	4	0	4	0	4	0	4	0	4
289		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
290			min	0	4	0	4	0	4	0	4	0	4	0	4
291	M52	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
292			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
293		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
294			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
295		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
296			min	0	5	0	4	0	4	0	4	0	4	0	4
297		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
298			min	0	5	0	4	0	4	0	4	0	4	0	4
299		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
300			min	0	4	0	4	0	4	0	4	0	4	0	4
301	M53	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
302			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
303		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
304			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
305		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
306			min	0	5	0	4	0	4	0	4	0	4	0	4
307		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
308			min	0	5	0	4	0	4	0	4	0	4	0	4
309		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
310			min	0	4	0	4	0	4	0	4	0	4	0	4
311	M54	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
312			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
313		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
314			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
315		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
316			min	0	5	0	4	0	4	0	4	0	4	0	4
317		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
318			min	0	5	0	4	0	4	0	4	0	4	0	4
319		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
320			min	0	4	0	4	0	4	0	4	0	4	0	4
321	M55	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
322			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
323		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
324			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
325		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
326			min	0	5	0	4	0	4	0	4	0	4	0	4
327		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
328			min	0	5	0	4	0	4	0	4	0	4	0	4
329		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
330			min	0	4	0	4	0	4	0	4	0	4	0	4
331	M56	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
332			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
333		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
334			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
335		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
336			min	0	5	0	4	0	4	0	4	0	4	0	4
337		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
338			min	0	5	0	4	0	4	0	4	0	4	0	4
339		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
340			min	0	4	0	4	0	4	0	4	0	4	0	4
341	M57	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
342			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
343		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
344			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
345		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
346			min	0	5	0	4	0	4	0	4	0	4	0	4
347		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
348			min	0	5	0	4	0	4	0	4	0	4	0	4
349		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
350			min	0	4	0	4	0	4	0	4	0	4	0	4
351	M58	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
352			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
353		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
354			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
355		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
356			min	0	5	0	4	0	4	0	4	0	4	0	4
357		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
358			min	0	5	0	4	0	4	0	4	0	4	0	4
359		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
360			min	0	4	0	4	0	4	0	4	0	4	0	4
361	M59	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
362			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
363		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
364			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
365		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
366			min	0	5	0	4	0	4	0	4	0	4	0	4
367		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
368			min	0	5	0	4	0	4	0	4	0	4	0	4
369		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
370			min	0	4	0	4	0	4	0	4	0	4	0	4
371	M60	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
372			min	0	5	-0.063	18	0	4	0	4	0	4	0	4
373		2	max	0.175	8	0	17	0	18	0	18	0	18	0.13	18
374			min	0	5	-0.034	18	0	4	0	4	0	4	0	4
375		3	max	0.126	8	0	17	0	18	0	18	0	18	0.178	18
376			min	0	5	-0.003	18	0	4	0	4	0	4	0	4
377		4	max	0.073	8	0.03	18	0	18	0	18	0	18	0.147	18
378			min	0	5	0	4	0	4	0	4	0	4	0	4
379		5	max	0	18	0.078	18	0	18	0	18	0	18	0	18
380			min	0	4	0	4	0	4	0	4	0	4	0	4
381	M63	1	max	0	18	1.084	8	0	17	0	18	0	18	0	18
382			min	0	4	0	5	-0.532	18	0	4	0	4	0	4
383		2	max	0	18	0.552	8	0	17	0	18	0	17	0	18
384			min	0	4	0	5	-0.272	18	0	4	-1.317	18	-2.74	8
385		3	max	0	18	0.042	8	0	17	0	18	0	17	0	18
386			min	0	4	0	5	-0.014	18	0	4	-1.759	18	-3.653	8
387		4	max	0	18	0	18	0.315	18	0	18	0	17	0	18
388			min	0	4	-0.688	8	0	4	0	4	-1.324	18	-2.754	8
389		5	max	0	18	0	18	0.552	18	0	18	0	18	0	18
390			min	0	4	-1.139	8	0	4	0	4	0	4	0	4
391	M64	1	max	0.243	8	0	17	0	18	0	18	0	18	0	18
392			min	0	5	-0.073	18	0	4	0	4	0	4	0	4
393		2	max	0.188	8	0	17	0	18	0	18	0	18	0.149	18
394			min	0	5	-0.038	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
395		3	max	0.132	8	0	17	0	18	0	18	0	18	0.201	18
396			min	0	5	-0.002	18	0	4	0	4	0	4	0	4
397		4	max	0.074	8	0.035	18	0	18	0	18	0	18	0.161	18
398			min	0	5	0	4	0	4	0	4	0	4	0	4
399		5	max	0	18	0.084	18	0	18	0	18	0	18	0	18
400			min	0	4	0	4	0	4	0	4	0	4	0	4
401	M65	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
402			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
403		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
404			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
405		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
406			min	0	5	0	4	0	4	0	4	0	4	0	4
407		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
408			min	0	5	0	4	0	4	0	4	0	4	0	4
409		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
410			min	0	4	0	4	0	4	0	4	0	4	0	4
411	M66	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
412			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
413		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
414			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
415		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
416			min	0	5	0	4	0	4	0	4	0	4	0	4
417		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
418			min	0	5	0	4	0	4	0	4	0	4	0	4
419		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
420			min	0	4	0	4	0	4	0	4	0	4	0	4
421	M67	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
422			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
423		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
424			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
425		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
426			min	0	5	0	4	0	4	0	4	0	4	0	4
427		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
428			min	0	5	0	4	0	4	0	4	0	4	0	4
429		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
430			min	0	4	0	4	0	4	0	4	0	4	0	4
431	M68	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
432			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
433		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
434			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
435		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
436			min	0	5	0	4	0	4	0	4	0	4	0	4
437		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
438			min	0	5	0	4	0	4	0	4	0	4	0	4
439		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
440			min	0	4	0	4	0	4	0	4	0	4	0	4
441	M69	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
442			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
443		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
444			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
445		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
446			min	0	5	0	4	0	4	0	4	0	4	0	4
447		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
448			min	0	5	0	4	0	4	0	4	0	4	0	4
449		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
450			min	0	4	0	4	0	4	0	4	0	4	0	4
451	M70	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
452			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
453		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
454			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
455		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
456			min	0	5	0	4	0	4	0	4	0	4	0	4
457		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
458			min	0	5	0	4	0	4	0	4	0	4	0	4
459		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
460			min	0	4	0	4	0	4	0	4	0	4	0	4
461	M71	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
462			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
463		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
464			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
465		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
466			min	0	5	0	4	0	4	0	4	0	4	0	4
467		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
468			min	0	5	0	4	0	4	0	4	0	4	0	4
469		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
470			min	0	4	0	4	0	4	0	4	0	4	0	4
471	M72	1	max	1.399	8	0	17	0	18	0	18	0	18	0	18
472			min	0	5	-0.355	18	0	4	0	4	0	4	0	4
473		2	max	1.344	8	0	17	0	18	0	18	0	18	1.683	18
474			min	0	5	-0.331	18	0	4	0	4	0	4	0	5
475		3	max	0.147	8	0.248	18	0	18	0	18	0	18	2.797	18
476			min	0	5	0	4	0	4	0	4	0	4	0	5
477		4	max	0.073	8	0.285	18	0	18	0	18	0	18	1.491	18
478			min	0	5	0	4	0	4	0	4	0	4	0	5
479		5	max	0	18	0.323	18	0	18	0	18	0	18	0	18
480			min	0	4	0	4	0	4	0	4	0	4	0	4
481	M73	1	max	1.389	8	0	17	0	18	0	18	0	18	0	18
482			min	0	5	-0.356	18	0	4	0	4	0	4	0	4
483		2	max	1.333	8	0	17	0	18	0	18	0	18	1.685	18
484			min	0	5	-0.331	18	0	4	0	4	0	4	0	5
485		3	max	0.214	8	0.226	18	0	18	0	18	0	18	2.82	18
486			min	0	5	0	4	0	4	0	4	0	4	0	5
487		4	max	0.107	8	0.287	18	0	18	0	18	0	18	1.56	18
488			min	0	5	0	4	0	4	0	4	0	4	0	5
489		5	max	0	18	0.349	18	0	18	0	18	0	18	0	18
490			min	0	4	0	4	0	4	0	4	0	4	0	4
491	M74	1	max	0	18	1.056	8	0	17	0	18	0	18	0	18
492			min	0	4	0	5	-0.527	18	0	4	0	4	0	4
493		2	max	0	18	0.57	8	0	17	0	18	0	17	0	18
494			min	0	4	0	5	-0.277	18	0	4	-1.313	18	-2.721	8
495		3	max	0	18	0.047	8	0	17	0	18	0	17	0	18
496			min	0	4	0	5	-0.014	18	0	4	-1.755	18	-3.646	8
497		4	max	0	18	0	18	0.315	18	0	18	0	17	0	18
498			min	0	4	-0.685	8	0	4	0	4	-1.32	18	-2.759	8
499		5	max	0	18	0	18	0.514	18	0	18	0	18	0	18
500			min	0	4	-1.029	8	0	4	0	4	0	4	0	4
501	M75	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
502			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
503		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
504			min	0	5	-0.033	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
505		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
506			min	0	5	0	4	0	4	0	4	0	4	0	4
507		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
508			min	0	5	0	4	0	4	0	4	0	4	0	4
509		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
510			min	0	4	0	4	0	4	0	4	0	4	0	4
511	M76	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
512			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
513		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
514			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
515		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
516			min	0	5	0	4	0	4	0	4	0	4	0	4
517		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
518			min	0	5	0	4	0	4	0	4	0	4	0	4
519		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
520			min	0	4	0	4	0	4	0	4	0	4	0	4
521	M77	1	max	0.246	8	0	17	0	18	0	18	0	18	0	18
522			min	0	5	-0.08	18	0	4	0	4	0	4	0	4
523		2	max	0.184	8	0	17	0	18	0	18	0	18	0.159	18
524			min	0	5	-0.04	18	0	4	0	4	0	4	0	4
525		3	max	0.123	8	0	18	0	18	0	18	0	18	0.212	18
526			min	0	5	0	4	0	4	0	4	0	4	0	4
527		4	max	0.061	8	0.04	18	0	18	0	18	0	18	0.159	18
528			min	0	5	0	4	0	4	0	4	0	4	0	4
529		5	max	0	18	0.08	18	0	18	0	18	0	18	0	18
530			min	0	4	0	4	0	4	0	4	0	4	0	4
531	M78	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
532			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
533		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
534			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
535		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
536			min	0	5	0	4	0	4	0	4	0	4	0	4
537		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
538			min	0	5	0	4	0	4	0	4	0	4	0	4
539		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
540			min	0	4	0	4	0	4	0	4	0	4	0	4
541	M79	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
542			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
543		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
544			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
545		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
546			min	0	5	0	4	0	4	0	4	0	4	0	4
547		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
548			min	0	5	0	4	0	4	0	4	0	4	0	4
549		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
550			min	0	4	0	4	0	4	0	4	0	4	0	4
551	M80	1	max	0.246	8	0	17	0	18	0	18	0	18	0	18
552			min	0	5	-0.08	18	0	4	0	4	0	4	0	4
553		2	max	0.184	8	0	17	0	18	0	18	0	18	0.159	18
554			min	0	5	-0.04	18	0	4	0	4	0	4	0	4
555		3	max	0.123	8	0	18	0	18	0	18	0	18	0.212	18
556			min	0	5	0	4	0	4	0	4	0	4	0	4
557		4	max	0.061	8	0.04	18	0	18	0	18	0	18	0.159	18
558			min	0	5	0	4	0	4	0	4	0	4	0	4
559		5	max	0	18	0.08	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
560			min	0	4	0	4	0	4	0	4	0	4	0	4
561	M81	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
562			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
563		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
564			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
565		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
566			min	0	5	0	4	0	4	0	4	0	4	0	4
567		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
568			min	0	5	0	4	0	4	0	4	0	4	0	4
569		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
570			min	0	4	0	4	0	4	0	4	0	4	0	4
571	M82	1	max	0.275	8	0	17	0	18	0	18	0	18	0	18
572			min	0	5	-0.082	18	0	4	0	4	0	4	0	4
573		2	max	0.214	8	0	17	0	18	0	18	0	18	0.166	18
574			min	0	5	-0.043	18	0	4	0	4	0	4	0	4
575		3	max	0.152	8	0	17	0	18	0	18	0	18	0.226	18
576			min	0	5	-0.003	18	0	4	0	4	0	4	0	4
577		4	max	0.089	8	0.038	18	0	18	0	18	0	18	0.18	18
578			min	0	5	0	4	0	4	0	4	0	4	0	4
579		5	max	0	18	0.098	18	0	18	0	18	0	18	0	18
580			min	0	4	0	4	0	4	0	4	0	4	0	4
581	M85	1	max	1.399	8	0	17	0	18	0	18	0	18	0	18
582			min	0	5	-0.355	18	0	4	0	4	0	4	0	4
583		2	max	1.343	8	0	17	0	18	0	18	0	18	1.681	18
584			min	0	5	-0.33	18	0	4	0	4	0	4	0	5
585		3	max	0.145	8	0.248	18	0	18	0	18	0	18	2.793	18
586			min	0	5	0	4	0	4	0	4	0	4	0	5
587		4	max	0.072	8	0.285	18	0	18	0	18	0	18	1.487	18
588			min	0	5	0	4	0	4	0	4	0	4	0	5
589		5	max	0	18	0.321	18	0	18	0	18	0	18	0	18
590			min	0	4	0	4	0	4	0	4	0	4	0	4
591	M86	1	max	0	18	1.088	8	0	17	0	18	0	18	0	18
592			min	0	4	0	5	-0.53	18	0	4	0	4	0	4
593		2	max	0	18	0.563	8	0	17	0	18	0	17	0	18
594			min	0	4	0	5	-0.276	18	0	4	-1.316	18	-2.751	8
595		3	max	0	18	0.04	8	0	17	0	18	0	17	0	18
596			min	0	4	0	5	-0.014	18	0	4	-1.756	18	-3.654	8
597		4	max	0	18	0	18	0.316	18	0	18	0	17	0	18
598			min	0	4	-0.692	8	0	4	0	4	-1.32	18	-2.747	8
599		5	max	0	18	0	18	0.552	18	0	18	0	18	0	18
600			min	0	4	-1.14	8	0	4	0	4	0	4	0	4
601	M87	1	max	0.248	8	0	17	0	18	0	18	0	18	0	18
602			min	0	5	-0.07	18	0	4	0	4	0	4	0	4
603		2	max	0.195	8	0	17	0	18	0	18	0	18	0.142	18
604			min	0	5	-0.037	18	0	4	0	4	0	4	0	4
605		3	max	0.143	8	0	17	0	18	0	18	0	18	0.196	18
606			min	0	5	-0.004	18	0	4	0	4	0	4	0	4
607		4	max	0.089	8	0.031	18	0	18	0	18	0	18	0.161	18
608			min	0	5	0	4	0	4	0	4	0	4	0	4
609		5	max	0	18	0.091	18	0	18	0	18	0	18	0	18
610			min	0	4	0	4	0	4	0	4	0	4	0	4
611	M88	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
612			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
613		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
614			min	0	5	-0.033	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
615		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
616			min	0	5	0	4	0	4	0	4	0	4	0	4
617		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
618			min	0	5	0	4	0	4	0	4	0	4	0	4
619		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
620			min	0	4	0	4	0	4	0	4	0	4	0	4
621	M89	1	max	0.246	8	0	17	0	18	0	18	0	18	0	18
622			min	0	5	-0.08	18	0	4	0	4	0	4	0	4
623		2	max	0.184	8	0	17	0	18	0	18	0	18	0.159	18
624			min	0	5	-0.04	18	0	4	0	4	0	4	0	4
625		3	max	0.123	8	0	18	0	18	0	18	0	18	0.212	18
626			min	0	5	0	4	0	4	0	4	0	4	0	4
627		4	max	0.061	8	0.04	18	0	18	0	18	0	18	0.159	18
628			min	0	5	0	4	0	4	0	4	0	4	0	4
629		5	max	0	18	0.08	18	0	18	0	18	0	18	0	18
630			min	0	4	0	4	0	4	0	4	0	4	0	4
631	M90	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
632			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
633		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
634			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
635		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
636			min	0	5	0	4	0	4	0	4	0	4	0	4
637		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
638			min	0	5	0	4	0	4	0	4	0	4	0	4
639		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
640			min	0	4	0	4	0	4	0	4	0	4	0	4
641	M91	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
642			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
643		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
644			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
645		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
646			min	0	5	0	4	0	4	0	4	0	4	0	4
647		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
648			min	0	5	0	4	0	4	0	4	0	4	0	4
649		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
650			min	0	4	0	4	0	4	0	4	0	4	0	4
651	M92	1	max	0.246	8	0	17	0	18	0	18	0	18	0	18
652			min	0	5	-0.08	18	0	4	0	4	0	4	0	4
653		2	max	0.184	8	0	17	0	18	0	18	0	18	0.159	18
654			min	0	5	-0.04	18	0	4	0	4	0	4	0	4
655		3	max	0.123	8	0	18	0	18	0	18	0	18	0.212	18
656			min	0	5	0	4	0	4	0	4	0	4	0	4
657		4	max	0.061	8	0.04	18	0	18	0	18	0	18	0.159	18
658			min	0	5	0	4	0	4	0	4	0	4	0	4
659		5	max	0	18	0.08	18	0	18	0	18	0	18	0	18
660			min	0	4	0	4	0	4	0	4	0	4	0	4
661	M93	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
662			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
663		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
664			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
665		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
666			min	0	5	0	4	0	4	0	4	0	4	0	4
667		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
668			min	0	5	0	4	0	4	0	4	0	4	0	4
669		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
670			min	0	4	0	4	0	4	0	4	0	4	0	4
671	M94	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
672			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
673		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
674			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
675		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
676			min	0	5	0	4	0	4	0	4	0	4	0	4
677		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
678			min	0	5	0	4	0	4	0	4	0	4	0	4
679		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
680			min	0	4	0	4	0	4	0	4	0	4	0	4
681	M95	1	max	1.385	8	0	17	0	18	0	18	0	18	0	18
682			min	0	5	-0.355	18	0	4	0	4	0	4	0	4
683		2	max	1.33	8	0	17	0	18	0	18	0	18	1.683	18
684			min	0	5	-0.331	18	0	4	0	4	0	4	0	5
685		3	max	0.202	8	0.229	18	0	18	0	18	0	18	2.812	18
686			min	0	5	0	4	0	4	0	4	0	4	0	5
687		4	max	0.101	8	0.287	18	0	18	0	18	0	18	1.546	18
688			min	0	5	0	4	0	4	0	4	0	4	0	5
689		5	max	0	18	0.344	18	0	18	0	18	0	18	0	18
690			min	0	4	0	4	0	4	0	4	0	4	0	4
691	M96	1	max	0	18	1.065	8	0	17	0	18	0	18	0	18
692			min	0	4	0	5	-0.53	18	0	4	0	4	0	4
693		2	max	0	18	0.555	8	0	17	0	18	0	17	0	18
694			min	0	4	0	5	-0.272	18	0	4	-1.315	18	-2.722	8
695		3	max	0	18	0.045	8	0	17	0	18	0	17	0	18
696			min	0	4	0	5	-0.014	18	0	4	-1.758	18	-3.646	8
697		4	max	0	18	0	18	0.314	18	0	18	0	17	0	18
698			min	0	4	-0.685	8	0	4	0	4	-1.324	18	-2.757	8
699		5	max	0	18	0	18	0.554	18	0	18	0	18	0	18
700			min	0	4	-1.16	8	0	4	0	4	0	4	0	4
701	M97	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
702			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
703		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
704			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
705		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
706			min	0	5	0	4	0	4	0	4	0	4	0	4
707		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
708			min	0	5	0	4	0	4	0	4	0	4	0	4
709		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
710			min	0	4	0	4	0	4	0	4	0	4	0	4
711	M98	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
712			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
713		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
714			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
715		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
716			min	0	5	0	4	0	4	0	4	0	4	0	4
717		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
718			min	0	5	0	4	0	4	0	4	0	4	0	4
719		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
720			min	0	4	0	4	0	4	0	4	0	4	0	4
721	M99	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
722			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
723		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
724			min	0	5	-0.035	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
725		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
726			min	0	5	0	4	0	4	0	4	0	4	0	4
727		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
728			min	0	5	0	4	0	4	0	4	0	4	0	4
729		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
730			min	0	4	0	4	0	4	0	4	0	4	0	4
731	M100	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
732			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
733		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
734			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
735		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
736			min	0	5	0	4	0	4	0	4	0	4	0	4
737		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
738			min	0	5	0	4	0	4	0	4	0	4	0	4
739		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
740			min	0	4	0	4	0	4	0	4	0	4	0	4
741	M101	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
742			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
743		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
744			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
745		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
746			min	0	5	0	4	0	4	0	4	0	4	0	4
747		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
748			min	0	5	0	4	0	4	0	4	0	4	0	4
749		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
750			min	0	4	0	4	0	4	0	4	0	4	0	4
751	M102	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
752			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
753		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
754			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
755		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
756			min	0	5	0	4	0	4	0	4	0	4	0	4
757		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
758			min	0	5	0	4	0	4	0	4	0	4	0	4
759		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
760			min	0	4	0	4	0	4	0	4	0	4	0	4
761	M103	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
762			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
763		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
764			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
765		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
766			min	0	5	0	4	0	4	0	4	0	4	0	4
767		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
768			min	0	5	0	4	0	4	0	4	0	4	0	4
769		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
770			min	0	4	0	4	0	4	0	4	0	4	0	4
771	M104	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
772			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
773		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
774			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
775		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
776			min	0	5	0	4	0	4	0	4	0	4	0	4
777		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
778			min	0	5	0	4	0	4	0	4	0	4	0	4
779		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
780			min	0	4	0	4	0	4	0	4	0	4	0	4
781	M107	1	max	0	18	0.481	8	0	17	0	18	0	18	0	18
782			min	0	4	0	5	-0.246	18	0	4	0	4	0	4
783		2	max	0	18	0.217	8	0	17	0	18	0	17	0	18
784			min	0	4	0	5	-0.117	18	0	4	-0.321	18	-0.668	8
785		3	max	0	18	0	18	0.012	18	0	18	0	17	0	18
786			min	0	4	-0.038	8	0	4	0	4	-0.426	18	-0.88	8
787		4	max	0	18	0	18	0.141	18	0	18	0	17	0	18
788			min	0	4	-0.293	8	0	4	0	4	-0.315	18	-0.647	8
789		5	max	0	18	0	18	0.257	18	0	18	0	18	0	18
790			min	0	4	-0.514	8	0	4	0	4	0	4	0	4
791	M108	1	max	0.847	8	0	17	0	18	0	18	0	18	0	18
792			min	0	5	-0.217	18	0	4	0	4	0	4	0	4
793		2	max	0.78	8	0	17	0	18	0	18	0	18	0.986	18
794			min	0	5	-0.185	18	0	4	0	4	0	4	0	5
795		3	max	0.194	8	0.109	18	0	18	0	18	0	18	1.602	18
796			min	0	5	0	4	0	4	0	4	0	4	0	5
797		4	max	0.097	8	0.163	18	0	18	0	18	0	18	0.935	18
798			min	0	5	0	4	0	4	0	4	0	4	0	5
799		5	max	0	18	0.218	18	0	18	0	18	0	18	0	18
800			min	0	4	0	4	0	4	0	4	0	4	0	4
801	M109	1	max	0.23	8	0	17	0	18	0	18	0	18	0	18
802			min	0	5	-0.072	18	0	4	0	4	0	4	0	4
803		2	max	0.174	8	0	17	0	18	0	18	0	18	0.144	18
804			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
805		3	max	0.12	8	0	17	0	18	0	18	0	18	0.192	18
806			min	0	5	-0.001	18	0	4	0	4	0	4	0	4
807		4	max	0.064	8	0.035	18	0	18	0	18	0	18	0.149	18
808			min	0	5	0	4	0	4	0	4	0	4	0	4
809		5	max	0	18	0.076	18	0	18	0	18	0	18	0	18
810			min	0	4	0	4	0	4	0	4	0	4	0	4
811	M110	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
812			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
813		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
814			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
815		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
816			min	0	5	0	4	0	4	0	4	0	4	0	4
817		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
818			min	0	5	0	4	0	4	0	4	0	4	0	4
819		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
820			min	0	4	0	4	0	4	0	4	0	4	0	4
821	M111	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
822			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
823		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
824			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
825		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
826			min	0	5	0	4	0	4	0	4	0	4	0	4
827		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
828			min	0	5	0	4	0	4	0	4	0	4	0	4
829		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
830			min	0	4	0	4	0	4	0	4	0	4	0	4
831	M112	1	max	0.188	8	0	17	0	18	0	18	0	18	0	18
832			min	0	5	-0.059	18	0	4	0	4	0	4	0	4
833		2	max	0.141	8	0	17	0	18	0	18	0	18	0.117	18
834			min	0	5	-0.029	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
835		3	max	0.094	8	0	18	0	18	0	18	0	18	0.156	18
836			min	0	5	0	4	0	4	0	4	0	4	0	4
837		4	max	0.047	8	0.029	18	0	18	0	18	0	18	0.117	18
838			min	0	5	0	4	0	4	0	4	0	4	0	4
839		5	max	0	18	0.059	18	0	18	0	18	0	18	0	18
840			min	0	4	0	4	0	4	0	4	0	4	0	4
841	M113	1	max	0.407	8	0	17	0	18	0	18	0	18	0	18
842			min	0	5	-0.131	18	0	4	0	4	0	4	0	4
843		2	max	0.305	8	0	17	0	18	0	18	0	18	0.48	18
844			min	0	5	-0.065	18	0	4	0	4	0	4	0	4
845		3	max	0.204	8	0	18	0	18	0	18	0	18	0.64	18
846			min	0	5	0	4	0	4	0	4	0	4	0	4
847		4	max	0.102	8	0.065	18	0	18	0	18	0	18	0.48	18
848			min	0	5	0	4	0	4	0	4	0	4	0	4
849		5	max	0	18	0.131	18	0	18	0	18	0	18	0	18
850			min	0	4	0	4	0	4	0	4	0	4	0	4
851	M114	1	max	0.362	8	0	17	0	18	0	18	0	18	0	18
852			min	0	5	-0.114	18	0	4	0	4	0	4	0	4
853		2	max	0.271	8	0	17	0	18	0	18	0	18	0.421	18
854			min	0	5	-0.057	18	0	4	0	4	0	4	0	4
855		3	max	0.181	8	0	18	0	18	0	18	0	18	0.561	18
856			min	0	5	0	4	0	4	0	4	0	4	0	4
857		4	max	0.09	8	0.057	18	0	18	0	18	0	18	0.421	18
858			min	0	5	0	4	0	4	0	4	0	4	0	4
859		5	max	0	18	0.114	18	0	18	0	18	0	18	0	18
860			min	0	4	0	4	0	4	0	4	0	4	0	4
861	M115	1	max	0.569	8	0	17	0	18	0	18	0	18	0	18
862			min	0	5	-0.139	18	0	4	0	4	0	4	0	4
863		2	max	0.515	8	0	17	0	18	0	18	0	18	0.623	18
864			min	0	5	-0.115	18	0	4	0	4	0	4	0	4
865		3	max	0.201	8	0.028	18	0	18	0	18	0	18	0.836	18
866			min	0	5	0	4	0	4	0	4	0	4	0	4
867		4	max	0.101	8	0.085	18	0	18	0	18	0	18	0.558	18
868			min	0	5	0	4	0	4	0	4	0	4	0	4
869		5	max	0	18	0.142	18	0	18	0	18	0	18	0	18
870			min	0	4	0	4	0	4	0	4	0	4	0	4
871	M116	1	max	0	18	0.234	8	0	17	0	18	0	18	0	18
872			min	0	4	0	5	-0.101	18	0	4	0	4	0	4
873		2	max	0	18	0.214	8	0	17	0	18	0	17	0	18
874			min	0	4	0	5	-0.076	18	0	4	-0.073	18	-0.186	8
875		3	max	0	18	0	18	0.019	18	0	17	0	17	0	18
876			min	0	4	-0.064	8	0	4	-0.16	18	-0.103	18	-0.27	8
877		4	max	0	18	0	18	0.044	18	0	17	0	17	0	18
878			min	0	4	-0.082	8	0	4	-0.16	18	-0.076	18	-0.209	8
879		5	max	0	18	0	18	0.113	18	0	17	0	18	0	18
880			min	0	4	-0.301	8	0	4	-0.386	18	0	4	0	4
881	M117	1	max	0.259	8	0	17	0	8	0	18	0	18	0.16	18
882			min	0	5	-0.07	18	0	5	0	4	0	8	0	4
883		2	max	0.194	8	0	17	0	8	0	18	0	18	0.314	18
884			min	0	5	-0.029	18	0	5	0	4	0	8	0	4
885		3	max	0.13	8	0.013	18	0	8	0	18	0	18	0.339	18
886			min	0	5	0	4	0	5	0	4	0	8	0	4
887		4	max	0.065	8	0.054	18	0	8	0	18	0	18	0.234	18
888			min	0	5	0	4	0	5	0	4	0	8	0	4
889		5	max	0	18	0.096	18	0	8	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
890			min	0	4	0	4	0	5	0	4	0	4	0	4
891	M118	1	max	0.201	8	0	17	0	18	0	18	0.001	8	0.226	18
892			min	0	5	-0.044	18	0	8	0	4	0	5	0	4
893		2	max	0.151	8	0	17	0	18	0	18	0	8	0.315	18
894			min	0	5	-0.013	18	0	8	0	4	0	5	0	4
895		3	max	0.1	8	0.018	18	0	18	0	18	0	8	0.307	18
896			min	0	5	0	4	0	8	0	4	0	5	0	4
897		4	max	0.05	8	0.049	18	0	18	0	18	0	8	0.202	18
898			min	0	5	0	4	0	8	0	4	0	5	0	4
899		5	max	0	18	0.08	18	0	18	0	18	0	18	0	18
900			min	0	4	0	4	0	8	0	4	0	4	0	4
901	M119	1	max	0.626	8	0	17	0	18	0	18	0	18	0	18
902			min	0	5	-0.17	18	0	4	0	4	0	4	0	4
903		2	max	0.559	8	0	17	0	18	0	18	0	18	0.754	18
904			min	0	5	-0.137	18	0	4	0	4	0	4	0	4
905		3	max	0.179	8	0.017	18	0	18	0	18	0	18	0.65	18
906			min	0	5	0	4	0	4	0	4	0	4	0	4
907		4	max	0.09	8	0.066	18	0	18	0	18	0	18	0.446	18
908			min	0	5	0	4	0	4	0	4	0	4	0	4
909		5	max	0	18	0.115	18	0	18	0	18	0	18	0	18
910			min	0	4	0	4	0	4	0	4	0	4	0	4
911	M120	1	max	0.408	8	0	17	0	18	0	18	0	18	0	18
912			min	0	5	-0.131	18	0	4	0	4	0	4	0	4
913		2	max	0.306	8	0	17	0	18	0	18	0	18	0.481	18
914			min	0	5	-0.065	18	0	4	0	4	0	4	0	4
915		3	max	0.204	8	0	18	0	18	0	18	0	18	0.642	18
916			min	0	5	0	4	0	4	0	4	0	4	0	4
917		4	max	0.102	8	0.065	18	0	18	0	18	0	18	0.481	18
918			min	0	5	0	4	0	4	0	4	0	4	0	4
919		5	max	0	18	0.131	18	0	18	0	18	0	18	0	18
920			min	0	4	0	4	0	4	0	4	0	4	0	4
921	M121	1	max	0.328	8	0	17	0	18	0	18	0	18	0	18
922			min	0	5	-0.102	18	0	4	0	4	0	4	0	4
923		2	max	0.246	8	0	17	0	18	0	18	0	18	0.376	18
924			min	0	5	-0.051	18	0	4	0	4	0	4	0	4
925		3	max	0.164	8	0	18	0	18	0	18	0	18	0.502	18
926			min	0	5	0	4	0	4	0	4	0	4	0	4
927		4	max	0.082	8	0.051	18	0	18	0	18	0	18	0.376	18
928			min	0	5	0	4	0	4	0	4	0	4	0	4
929		5	max	0	18	0.102	18	0	18	0	18	0	18	0	18
930			min	0	4	0	4	0	4	0	4	0	4	0	4
931	M122	1	max	0.145	8	0	17	0	18	0	18	0	18	0	18
932			min	0	5	-0.037	18	0	4	0	4	0	4	0	4
933		2	max	0.109	8	0	17	0	18	0	18	0	18	0.136	18
934			min	0	5	-0.018	18	0	4	0	4	0	4	0	4
935		3	max	0.072	8	0	18	0	18	0	18	0	18	0.181	18
936			min	0	5	0	4	0	4	0	4	0	4	0	4
937		4	max	0.036	8	0.018	18	0	18	0	18	0	18	0.136	18
938			min	0	5	0	4	0	4	0	4	0	4	0	4
939		5	max	0	18	0.037	18	0	18	0	18	0	18	0	18
940			min	0	4	0	4	0	4	0	4	0	4	0	4
941	M123	1	max	0.161	8	0	17	0	18	0	18	0	18	0	18
942			min	0	5	-0.049	18	0	4	0	4	0	4	0	4
943		2	max	0.121	8	0	17	0	18	0	18	0	18	0.098	18
944			min	0	5	-0.025	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
945		3	max	0.08	8	0	18	0	18	0	18	0	18	0.131	18
946			min	0	5	0	4	0	4	0	4	0	4	0	4
947		4	max	0.04	8	0.025	18	0	18	0	18	0	18	0.098	18
948			min	0	5	0	4	0	4	0	4	0	4	0	4
949		5	max	0	18	0.049	18	0	18	0	18	0	18	0	18
950			min	0	4	0	4	0	4	0	4	0	4	0	4
951	M124	1	max	0.171	8	0	17	0	18	0	18	0	18	0	18
952			min	0	5	-0.053	18	0	4	0	4	0	4	0	4
953		2	max	0.129	8	0	17	0	18	0	18	0	18	0.106	18
954			min	0	5	-0.027	18	0	4	0	4	0	4	0	4
955		3	max	0.086	8	0	18	0	18	0	18	0	18	0.141	18
956			min	0	5	0	4	0	4	0	4	0	4	0	4
957		4	max	0.043	8	0.027	18	0	18	0	18	0	18	0.106	18
958			min	0	5	0	4	0	4	0	4	0	4	0	4
959		5	max	0	18	0.053	18	0	18	0	18	0	18	0	18
960			min	0	4	0	4	0	4	0	4	0	4	0	4
961	M125	1	max	0.186	8	0	17	0	18	0	18	0	18	0	18
962			min	0	5	-0.052	18	0	4	0	4	0	4	0	4
963		2	max	0.145	8	0	17	0	18	0	18	0	18	0.106	18
964			min	0	5	-0.026	18	0	4	0	4	0	4	0	4
965		3	max	0.105	8	0	17	0	18	0	18	0	18	0.143	18
966			min	0	5	-0.002	18	0	4	0	4	0	4	0	4
967		4	max	0.064	8	0.023	18	0	18	0	18	0	18	0.118	18
968			min	0	5	0	4	0	4	0	4	0	4	0	4
969		5	max	0	18	0.065	18	0	18	0	18	0	18	0	18
970			min	0	4	0	4	0	4	0	4	0	4	0	4
971	M126	1	max	0	18	0	18	0.05	18	0	18	0	18	0	18
972			min	0	4	0	4	0	4	0	4	0	4	0	4
973		2	max	0	18	0	18	0.025	18	0	18	0.031	18	0	18
974			min	0	4	0	4	0	4	0	4	0	4	0	4
975		3	max	0	18	0	18	0	18	0	18	0.041	18	0	18
976			min	0	4	0	4	0	4	0	4	0	4	0	4
977		4	max	0	18	0	18	0	17	0	18	0.031	18	0	18
978			min	0	4	0	4	-0.025	18	0	4	0	4	0	4
979		5	max	0	18	0	18	0	17	0	18	0	18	0	18
980			min	0	4	0	4	-0.05	18	0	4	0	4	0	4
981	M127	1	max	0	18	0	18	0.116	18	0	18	0	18	0	18
982			min	0	4	0	4	0	4	0	4	0	4	0	4
983		2	max	0	18	0	18	0.058	18	0	18	0.135	18	0	18
984			min	0	4	0	4	0	4	0	4	0	4	0	4
985		3	max	0	18	0	18	0	18	0	18	0.18	18	0	18
986			min	0	4	0	4	0	4	0	4	0	4	0	4
987		4	max	0	18	0	18	0	17	0	18	0.135	18	0	18
988			min	0	4	0	4	-0.058	18	0	4	0	4	0	4
989		5	max	0	18	0	18	0	17	0	18	0	18	0	18
990			min	0	4	0	4	-0.116	18	0	4	0	4	0	4
991	M128	1	max	0	18	0	18	0.233	18	0	18	0	18	0	18
992			min	0	4	0	4	0	4	0	4	0	4	0	4
993		2	max	0	18	0	18	0.117	18	0	18	0.547	18	0	18
994			min	0	4	0	4	0	4	0	4	0	4	0	4
995		3	max	0	18	0	18	0	18	0	18	0.73	18	0	18
996			min	0	4	0	4	0	4	0	4	0	4	0	4
997		4	max	0	18	0	18	0	17	0	18	0.547	18	0	18
998			min	0	4	0	4	-0.117	18	0	4	0	4	0	4
999		5	max	0	18	0	18	0	17	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1000			min	0	4	0	4	-0.233	18	0	4	0	4	0	4
1001	M129	1	max	0	18	0	18	0.233	18	0	18	0	18	0	18
1002			min	0	4	0	4	0	4	0	4	0	4	0	4
1003		2	max	0	18	0	18	0.117	18	0	18	0.547	18	0	18
1004			min	0	4	0	4	0	4	0	4	0	4	0	4
1005		3	max	0	18	0	18	0	18	0	18	0.729	18	0	18
1006			min	0	4	0	4	0	4	0	4	0	4	0	4
1007		4	max	0	18	0	18	0	17	0	18	0.547	18	0	18
1008			min	0	4	0	4	-0.117	18	0	4	0	4	0	4
1009		5	max	0	18	0	18	0	17	0	18	0	18	0	18
1010			min	0	4	0	4	-0.233	18	0	4	0	4	0	4
1011	M130	1	max	0	18	0	18	0.233	18	0	18	0	18	0	18
1012			min	0	4	0	4	0	4	0	4	0	4	0	4
1013		2	max	0	18	0	18	0.117	18	0	18	0.547	18	0	18
1014			min	0	4	0	4	0	4	0	4	0	4	0	4
1015		3	max	0	18	0	18	0	18	0	18	0.73	18	0	18
1016			min	0	4	0	4	0	4	0	4	0	4	0	4
1017		4	max	0	18	0	18	0	17	0	18	0.547	18	0	18
1018			min	0	4	0	4	-0.117	18	0	4	0	4	0	4
1019		5	max	0	18	0	18	0	17	0	18	0	18	0	18
1020			min	0	4	0	4	-0.233	18	0	4	0	4	0	4
1021	M131	1	max	0	18	0	18	0.233	18	0	18	0	18	0	18
1022			min	0	4	0	4	0	4	0	4	0	4	0	4
1023		2	max	0	18	0	18	0.117	18	0	18	0.547	18	0	18
1024			min	0	4	0	4	0	4	0	4	0	4	0	4
1025		3	max	0	18	0	18	0	18	0	18	0.729	18	0	18
1026			min	0	4	0	4	0	4	0	4	0	4	0	4
1027		4	max	0	18	0	18	0	17	0	18	0.547	18	0	18
1028			min	0	4	0	4	-0.117	18	0	4	0	4	0	4
1029		5	max	0	18	0	18	0	17	0	18	0	18	0	18
1030			min	0	4	0	4	-0.233	18	0	4	0	4	0	4
1031	M132	1	max	0	18	0	18	0.291	18	0	18	0	18	0	18
1032			min	0	4	0	4	0	4	0	4	0	4	0	4
1033		2	max	0	18	0	18	0.145	18	0	18	0.848	18	0	18
1034			min	0	4	0	4	0	4	0	4	0	4	0	4
1035		3	max	0	18	0	18	0	18	0	18	1.131	18	0	18
1036			min	0	4	0	4	0	4	0	4	0	4	0	4
1037		4	max	0	18	0	18	0	17	0	18	0.848	18	0	18
1038			min	0	4	0	4	-0.145	18	0	4	0	4	0	4
1039		5	max	0	18	0	18	0	17	0	18	0	18	0	18
1040			min	0	4	0	4	-0.291	18	0	4	0	4	0	4
1041	M133	1	max	0	18	0	18	0.13	18	0	18	0	18	0	18
1042			min	0	4	0	4	0	4	0	4	0	4	0	4
1043		2	max	0	18	0	18	0.065	18	0	18	0.17	18	0	18
1044			min	0	4	0	4	0	4	0	4	0	4	0	4
1045		3	max	0	18	0	18	0	18	0	18	0.226	18	0	18
1046			min	0	4	0	4	0	4	0	4	0	4	0	4
1047		4	max	0	18	0	18	0	17	0	18	0.17	18	0	18
1048			min	0	4	0	4	-0.065	18	0	4	0	4	0	4
1049		5	max	0	18	0	18	0	17	0	18	0	18	0	18
1050			min	0	4	0	4	-0.13	18	0	4	0	4	0	4
1051	M134	1	max	0	18	1.63	13	0	18	0.001	13	0	18	0	18
1052			min	0	4	0	7	0	4	0	7	0	4	0	4
1053		2	max	0	18	1.458	13	0	18	0.001	13	0	18	0	18
1054			min	0	4	0	7	0	4	0	7	0	4	-10.038	13

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1055		3	max	0	18	0.895	13	0	18	0.001	13	0	18	0	18
1056			min	0	4	0	7	0	4	0	7	0	4	-18.728	13
1057		4	max	0	18	0	18	0	18	0.001	13	0	18	0	18
1058			min	0	4	-1.454	13	0	4	0	7	0	4	-16.914	13
1059		5	max	0	18	0	18	0	18	0.001	13	0	18	0	18
1060			min	0	4	-3.467	13	0	4	0	7	0	4	0	4
1061	M135	1	max	0	18	1.63	13	0	18	0	18	0	18	0	18
1062			min	0	4	0	7	0	4	0	13	0	4	0	4
1063		2	max	0	18	1.458	13	0	18	0	18	0	18	0	18
1064			min	0	4	0	7	0	4	0	13	0	4	-10.038	13
1065		3	max	0	18	0.895	13	0	18	0	18	0	18	0	18
1066			min	0	4	0	7	0	4	0	13	0	4	-18.728	13
1067		4	max	0	18	0	18	0	18	0	18	0	18	0	18
1068			min	0	4	-1.454	13	0	4	0	13	0	4	-16.914	13
1069		5	max	0	18	0	18	0	18	0	18	0	18	0	18
1070			min	0	4	-3.467	13	0	4	0	13	0	4	0	4
1071	M136	1	max	0.023	13	2.044	13	0	18	0.203	13	0	18	0	18
1072			min	0	7	0	7	-0.002	13	0	7	0	4	0	4
1073		2	max	0	18	1.099	13	0	13	0.443	13	0	18	0	18
1074			min	-0.01	13	0	7	0	7	0	7	-0.057	13	-10.842	13
1075		3	max	0	18	0	13	0	13	0.443	13	0	18	0	18
1076			min	-0.01	13	0	7	0	7	0	7	-0.057	13	-14.413	13
1077		4	max	0	18	0	18	0	13	0.443	13	0	18	0	18
1078			min	-0.01	13	-1.098	13	0	7	0	7	-0.056	13	-10.843	13
1079		5	max	0.022	13	0	18	0.002	13	0.681	13	0	18	0	18
1080			min	0	7	-2.043	13	0	7	0	7	0	4	0	4
1081	M137	1	max	0.012	13	2.12	13	0	18	0	18	0	18	0	18
1082			min	0	7	0	7	-0.007	13	-0.261	13	0	4	0	4
1083		2	max	0	18	1.185	13	0	13	0	18	0.038	13	0	18
1084			min	-0.006	13	0	7	0	7	-0.569	13	0	7	-11.686	13
1085		3	max	0	18	0	18	0	13	0	18	0.039	13	0	18
1086			min	-0.006	13	-0.001	13	0	7	-0.569	13	0	7	-15.536	13
1087		4	max	0	18	0	18	0	13	0	18	0.039	13	0	18
1088			min	-0.006	13	-1.188	13	0	7	-0.569	13	0	7	-11.672	13
1089		5	max	0.016	13	0	18	0.007	13	0	18	0	18	0	18
1090			min	0	7	-2.115	13	0	7	-0.871	13	0	4	0	4
1091	M138	1	max	0	18	0	18	0.033	13	0	18	0.135	13	0	18
1092			min	-0.002	13	-0.219	13	0	7	-0.001	13	0	7	-0.204	13
1093		2	max	0	18	0	18	0.033	13	0	18	0	18	0.01	13
1094			min	-0.002	13	-0.162	13	0	7	-0.001	13	-0.019	13	0	7
1095		3	max	0	18	0	18	0.033	13	0	18	0	18	0.121	13
1096			min	-0.002	13	-0.007	13	0	7	-0.001	13	-0.069	13	0	7
1097		4	max	0	18	0.081	13	0.033	13	0	18	0.003	13	0.108	13
1098			min	-0.002	13	0	7	0	7	-0.001	13	0	7	0	7
1099		5	max	0.007	13	0.317	13	0	18	0.002	13	0.171	13	0	18
1100			min	0	7	0	7	-0.018	13	0	7	0	7	-0.265	13
1101	M139	1	max	0	18	0	18	0	18	0	17	0.092	13	0.089	13
1102			min	-0.051	13	-0.224	13	-0.01	13	0	8	0	7	0	7
1103		2	max	0	18	0	18	0	18	0	17	0	18	0.218	13
1104			min	-0.051	13	-0.15	13	-0.01	13	0	8	-0.051	13	0	7
1105		3	max	0	18	0	18	0	18	0	17	0	18	0.271	13
1106			min	-0.051	13	-0.008	13	-0.01	13	0	8	-0.118	13	0	7
1107		4	max	0	18	0.149	13	0	18	0	17	0	18	0.211	13
1108			min	-0.051	13	0	7	-0.01	13	0	8	-0.071	13	0	7
1109		5	max	0	18	0.24	13	0	18	0	17	0.063	13	0.063	13

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1110			min	-0.051	13	0	7	-0.01	13	0	8	0	7	0	7
1111	M140	1	max	0	18	0	18	0.022	13	0	18	0.185	13	0	18
1112			min	-0.007	13	-0.307	13	0	7	0	4	0	7	-0.185	13
1113		2	max	0.002	13	0	18	0	18	0	18	0.003	13	0.156	13
1114			min	0	7	-0.057	13	-0.029	13	0	4	0	7	0	7
1115		3	max	0.002	13	0.008	13	0	18	0	18	0	18	0.16	13
1116			min	0	7	0	7	-0.029	13	0	4	-0.054	13	0	7
1117		4	max	0.002	13	0.153	13	0	18	0	18	0	18	0.059	13
1118			min	0	7	0	7	-0.029	13	0	4	-0.006	13	0	7
1119		5	max	0.002	13	0.21	13	0	18	0	18	0.144	13	0	18
1120			min	0	7	0	7	-0.029	13	0	4	0	7	-0.144	13
1121	M141	1	max	0.002	13	0	18	0.029	13	0	18	0.152	13	0	18
1122			min	0	7	-0.22	13	0	7	0	4	0	7	-0.152	13
1123		2	max	0.002	13	0	18	0.029	13	0	18	0	18	0.059	13
1124			min	0	7	-0.163	13	0	7	0	4	-0.006	13	0	7
1125		3	max	0.002	13	0	18	0.029	13	0	18	0	18	0.168	13
1126			min	0	7	-0.008	13	0	7	0	4	-0.062	13	0	7
1127		4	max	0.002	13	0.08	13	0.029	13	0	18	0.006	13	0.153	13
1128			min	0	7	0	7	0	7	0	4	0	7	0	7
1129		5	max	0	18	0.306	13	0	18	0	18	0.188	13	0	18
1130			min	-0.007	13	0	7	-0.026	13	0	4	0	7	-0.188	13
1131	M142	1	max	0.007	13	0	18	0.022	13	0	18	0.165	13	0	18
1132			min	0	7	-0.309	13	0	7	-0.002	13	0	7	-0.262	13
1133		2	max	0	18	0	18	0	18	0.001	13	0.004	13	0.105	13
1134			min	-0.002	13	-0.082	13	-0.032	13	0	7	0	7	0	7
1135		3	max	0	18	0.006	13	0	18	0.001	13	0	18	0.12	13
1136			min	-0.002	13	0	7	-0.032	13	0	7	-0.069	13	0	7
1137		4	max	0	18	0.161	13	0	18	0.001	13	0	18	0.01	13
1138			min	-0.002	13	0	7	-0.032	13	0	7	-0.019	13	0	7
1139		5	max	0	18	0.218	13	0	18	0.001	13	0.135	13	0	18
1140			min	-0.002	13	0	7	-0.032	13	0	7	0	7	-0.202	13
1141	M143	1	max	0	18	0	18	0.009	13	0	13	0.06	13	0.06	13
1142			min	-0.054	13	-0.215	13	0	7	0	7	0	7	0	7
1143		2	max	0	18	0	18	0.009	13	0	13	0	18	0.196	13
1144			min	-0.054	13	-0.14	13	0	7	0	7	-0.063	13	0	7
1145		3	max	0	18	0.001	13	0.009	13	0	13	0	18	0.256	13
1146			min	-0.054	13	0	7	0	7	0	7	-0.11	13	0	7
1147		4	max	0	18	0.142	13	0.009	13	0	13	0	18	0.208	13
1148			min	-0.054	13	0	7	0	7	0	7	-0.049	13	0	7
1149		5	max	0	18	0.216	13	0.009	13	0	13	0.088	13	0.084	13
1150			min	-0.054	13	0	7	0	7	0	7	0	7	0	7
1151	M144	1	max	0	18	3.281	13	0.002	13	0	18	0	18	0	18
1152			min	-0.003	13	0	7	0	7	0	4	0	4	0	4
1153		2	max	0	18	1.631	13	0.002	13	0	18	0.01	13	0	18
1154			min	-0.003	13	0	7	0	7	0	4	0	7	-15.963	13
1155		3	max	0	18	0	17	0.002	13	0	18	0.02	13	0	18
1156			min	-0.003	13	-0.022	8	0	7	0	4	0	7	-21.206	13
1157		4	max	0	18	0	18	0.002	13	0	18	0.03	13	0	18
1158			min	-0.003	13	-1.668	13	0	7	0	4	0	7	-15.729	13
1159		5	max	0.019	13	0	18	0.009	13	0	18	0	18	0	18
1160			min	0	7	-2.773	13	0	7	-0.302	13	0	4	0	4
1161	M145	1	max	0	18	3.278	13	0	18	0	18	0	18	0	18
1162			min	-0.005	13	0	7	-0.002	13	0	4	0	4	0	4
1163		2	max	0	18	1.628	13	0	18	0	18	0	18	0	18
1164			min	-0.005	13	0	7	-0.002	13	0	4	-0.014	13	-15.943	13

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1165		3	max	0	18	0	18	0	18	0	18	0	18	0	18
1166			min	-0.005	13	-0.024	8	-0.002	13	0	4	-0.028	13	-21.166	13
1167		4	max	0	18	0	18	0	18	0	18	0	18	0	18
1168			min	-0.005	13	-1.671	13	-0.002	13	0	4	-0.042	13	-15.668	13
1169		5	max	0.027	13	0	18	0	18	0.238	13	0	18	0	18
1170			min	0	7	-2.827	13	0	13	0	7	0	4	0	4
1171	M146	1	max	0.002	13	0	18	0.029	13	0	18	0.152	13	0	18
1172			min	0	7	-0.22	13	0	7	0	4	0	7	-0.152	13
1173		2	max	0.002	13	0	18	0.029	13	0	18	0	18	0.059	13
1174			min	0	7	-0.163	13	0	7	0	4	-0.006	13	0	7
1175		3	max	0.002	13	0	18	0.029	13	0	18	0	18	0.168	13
1176			min	0	7	-0.008	13	0	7	0	4	-0.062	13	0	7
1177		4	max	0.002	13	0.08	13	0.029	13	0	18	0.006	13	0.153	13
1178			min	0	7	0	7	0	7	0	4	0	7	0	7
1179		5	max	0	18	0.306	13	0	18	0	18	0.188	13	0	18
1180			min	-0.007	13	0	7	-0.026	13	0	4	0	7	-0.188	13
1181	M147	1	max	0.007	13	0	18	0.022	13	0	18	0.165	13	0	18
1182			min	0	7	-0.309	13	0	7	-0.002	13	0	7	-0.262	13
1183		2	max	0	18	0	18	0	18	0.001	13	0.004	13	0.105	13
1184			min	-0.002	13	-0.082	13	-0.032	13	0	7	0	7	0	7
1185		3	max	0	18	0.006	13	0	18	0.001	13	0	18	0.12	13
1186			min	-0.002	13	0	7	-0.032	13	0	7	-0.069	13	0	7
1187		4	max	0	18	0.161	13	0	18	0.001	13	0	18	0.01	13
1188			min	-0.002	13	0	7	-0.032	13	0	7	-0.019	13	0	7
1189		5	max	0	18	0.218	13	0	18	0.001	13	0.135	13	0	18
1190			min	-0.002	13	0	7	-0.032	13	0	7	0	7	-0.202	13
1191	M148	1	max	0	18	0	18	0.009	13	0	13	0.06	13	0.06	13
1192			min	-0.054	13	-0.215	13	0	7	0	7	0	7	0	7
1193		2	max	0	18	0	18	0.009	13	0	13	0	18	0.196	13
1194			min	-0.054	13	-0.14	13	0	7	0	7	-0.063	13	0	7
1195		3	max	0	18	0.001	13	0.009	13	0	13	0	18	0.256	13
1196			min	-0.054	13	0	7	0	7	0	7	-0.11	13	0	7
1197		4	max	0	18	0.142	13	0.009	13	0	13	0	18	0.208	13
1198			min	-0.054	13	0	7	0	7	0	7	-0.049	13	0	7
1199		5	max	0	18	0.216	13	0.009	13	0	13	0.088	13	0.084	13
1200			min	-0.054	13	0	7	0	7	0	7	0	7	0	7
1201	M149	1	max	0	18	2.315	13	0	13	0	18	0	18	0	18
1202			min	-0.007	13	0	7	0	7	0	4	0	4	0	4
1203		2	max	0.038	13	1.278	13	0	13	0	18	0	18	0	18
1204			min	0	7	0	7	0	7	-0.238	13	-0.069	13	-11.189	13
1205		3	max	0	18	0.001	17	0	18	0	18	0	13	0	18
1206			min	-0.007	13	-0.009	8	0	13	-0.477	13	0	7	-14.944	13
1207		4	max	0	18	0	18	0	18	0	18	0	13	0	18
1208			min	-0.007	13	-1.15	13	0	13	-0.477	13	0	7	-11.185	13
1209		5	max	0	18	0	18	0	18	0	18	0	18	0	18
1210			min	-0.007	13	-2.292	13	0	13	-0.477	13	0	4	0	4
1211	M150	1	max	0	18	2.347	13	0	18	0	18	0	18	0	18
1212			min	-0.021	13	0	7	0	13	0	4	0	4	0	4
1213		2	max	0.115	13	1.369	13	0	18	0.301	13	0.152	13	0	18
1214			min	0	7	0	7	0	13	0	7	0	7	-11.29	13
1215		3	max	0	18	0	18	0	13	0.602	13	0	18	0	18
1216			min	-0.021	13	-0.016	8	0	7	0	7	0	13	-15.042	13
1217		4	max	0	18	0	18	0	13	0.602	13	0	18	0	18
1218			min	-0.021	13	-1.157	13	0	7	0	7	0	13	-11.234	13
1219		5	max	0	18	0	18	0	13	0.602	13	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1220			min	-0.021	13	-2.3	13	0	7	0	7	0	4	0	4
1221	M154	1	max	0	18	0	18	0.136	13	0	18	0.106	13	0	18
1222			min	0	13	-0.309	13	0	7	-0.002	13	0	7	-0.32	13
1223		2	max	0	18	0	18	0	18	0.001	13	0.024	13	0.126	13
1224			min	0	13	-0.082	13	-0.045	13	0	7	0	7	0	7
1225		3	max	0	18	0.006	13	0	18	0.001	13	0	18	0.128	13
1226			min	0	13	0	7	-0.045	13	0	7	-0.06	13	0	7
1227		4	max	0	18	0.161	13	0	18	0.001	13	0	18	0.007	13
1228			min	0	13	0	7	-0.045	13	0	7	-0.022	13	0	7
1229		5	max	0	18	0.218	13	0	18	0.001	13	0.12	13	0	18
1230			min	0	13	0	7	-0.045	13	0	7	0	7	-0.217	13
1231	M156	1	max	0	18	0	18	0.045	13	0	18	0.12	13	0	18
1232			min	0	13	-0.218	13	0	7	-0.001	13	0	7	-0.217	13
1233		2	max	0	18	0	18	0.045	13	0	18	0	18	0.007	13
1234			min	0	13	-0.161	13	0	7	-0.001	13	-0.022	13	0	7
1235		3	max	0	18	0	18	0.045	13	0	18	0	18	0.128	13
1236			min	0	13	-0.006	13	0	7	-0.001	13	-0.06	13	0	7
1237		4	max	0	18	0.082	13	0.045	13	0	18	0.024	13	0.126	13
1238			min	0	13	0	7	0	7	-0.001	13	0	7	0	7
1239		5	max	0	18	0.309	13	0	18	0.002	13	0.106	13	0	18
1240			min	0	13	0	7	-0.136	13	0	7	0	7	-0.32	13
1241	M151	1	max	0	18	0	13	0	18	0	18	0.072	13	0	18
1242			min	-0.181	13	0	7	-0.215	13	0	4	0	7	-0.069	13
1243		2	max	0	18	0	13	0	18	0	18	0	18	0	18
1244			min	-0.181	13	0	7	-0.141	13	0	4	-0.058	13	-0.199	13
1245		3	max	0	18	0	18	0	18	0	18	0	18	0	18
1246			min	-0.181	13	0	4	0	4	0	4	-0.111	13	-0.252	13
1247		4	max	0	18	0	13	0.141	13	0	18	0	18	0	18
1248			min	-0.181	13	0	7	0	7	0	4	-0.058	13	-0.199	13
1249		5	max	0	18	0	13	0.215	13	0	18	0.072	13	0	18
1250			min	-0.181	13	0	7	0	7	0	4	0	7	-0.069	13
1251	M255	1	max	0.362	8	0	17	0	18	0	18	0	18	0	18
1252			min	0	5	-0.114	18	0	4	0	4	0	4	0	4
1253		2	max	0.271	8	0	17	0	18	0	18	0	18	0.421	18
1254			min	0	5	-0.057	18	0	4	0	4	0	4	0	4
1255		3	max	0.181	8	0	18	0	18	0	18	0	18	0.561	18
1256			min	0	5	0	4	0	4	0	4	0	4	0	4
1257		4	max	0.09	8	0.057	18	0	18	0	18	0	18	0.421	18
1258			min	0	5	0	4	0	4	0	4	0	4	0	4
1259		5	max	0	18	0.114	18	0	18	0	18	0	18	0	18
1260			min	0	4	0	4	0	4	0	4	0	4	0	4
1261	M256	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1262			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1263		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
1264			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1265		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1266			min	0	5	0	4	0	4	0	4	0	4	0	4
1267		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1268			min	0	5	0	4	0	4	0	4	0	4	0	4
1269		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1270			min	0	4	0	4	0	4	0	4	0	4	0	4
1271	M257	1	max	0.626	8	0	17	0	18	0	18	0	18	0	18
1272			min	0	5	-0.17	18	0	4	0	4	0	4	0	4
1273		2	max	0.559	8	0	17	0	18	0	18	0	18	0.754	18
1274			min	0	5	-0.137	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1275		3	max	0.179	8	0.017	18	0	18	0	18	0	18	0.65	18
1276			min	0	5	0	4	0	4	0	4	0	4	0	4
1277		4	max	0.09	8	0.066	18	0	18	0	18	0	18	0.446	18
1278			min	0	5	0	4	0	4	0	4	0	4	0	4
1279		5	max	0	18	0.115	18	0	18	0	18	0	18	0	18
1280			min	0	4	0	4	0	4	0	4	0	4	0	4
1281	M258	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
1282			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
1283		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
1284			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
1285		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
1286			min	0	5	0	4	0	4	0	4	0	4	0	4
1287		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
1288			min	0	5	0	4	0	4	0	4	0	4	0	4
1289		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
1290			min	0	4	0	4	0	4	0	4	0	4	0	4
1291	M259	1	max	0.907	8	0	17	0	18	0	18	0	18	0	18
1292			min	0	5	-0.235	18	0	4	0	4	0	4	0	4
1293		2	max	0.841	8	0	17	0	18	0	18	0	18	1.074	18
1294			min	0	5	-0.203	18	0	4	0	4	0	4	0	4
1295		3	max	0.224	8	0.114	18	0	18	0	18	0	18	1.76	18
1296			min	0	5	0	4	0	4	0	4	0	4	0	4
1297		4	max	0.112	8	0.179	18	0	18	0	18	0	18	1.04	18
1298			min	0	5	0	4	0	4	0	4	0	4	0	4
1299		5	max	0	18	0.244	18	0	18	0	18	0	18	0	18
1300			min	0	4	0	4	0	4	0	4	0	4	0	4
1301	M260	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
1302			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
1303		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
1304			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
1305		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
1306			min	0	5	0	4	0	4	0	4	0	4	0	4
1307		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
1308			min	0	5	0	4	0	4	0	4	0	4	0	4
1309		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
1310			min	0	4	0	4	0	4	0	4	0	4	0	4
1311	M261	1	max	0	18	12.734	13	0	18	0	18	0	18	0	18
1312			min	-0.072	13	0	7	0	4	0	4	0	4	0	4
1313		2	max	0	18	6.628	13	0	18	0	18	0	18	0	18
1314			min	-0.072	13	0	7	0	4	0	4	0	4	-34.742	13
1315		3	max	0	18	0.523	13	0	18	0	18	0	18	0	18
1316			min	-0.072	13	0	7	0	4	0	4	0	4	-47.574	13
1317		4	max	0	18	0	18	0	18	0	18	0	18	0	18
1318			min	-0.072	13	-5.583	13	0	4	0	4	0	4	-38.495	13
1319		5	max	0	18	0	18	0	18	0	18	0	18	0	18
1320			min	-0.072	13	-14.524	13	0	4	0	4	0	4	0	4
1321	M262	1	max	0	18	0	18	0.233	18	0	18	0	18	0	18
1322			min	0	4	0	4	0	4	0	4	0	4	0	4
1323		2	max	0	18	0	18	0.117	18	0	18	0.547	18	0	18
1324			min	0	4	0	4	0	4	0	4	0	4	0	4
1325		3	max	0	18	0	18	0	18	0	18	0.729	18	0	18
1326			min	0	4	0	4	0	4	0	4	0	4	0	4
1327		4	max	0	18	0	18	0	17	0	18	0.547	18	0	18
1328			min	0	4	0	4	-0.117	18	0	4	0	4	0	4
1329		5	max	0	18	0	18	0	17	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1330			min	0	4	0	4	-0.233	18	0	4	0	4	0	4
1331	M392	1	max	15.104	13	0.001	8	0	18	0	18	0	18	0	18
1332			min	0	7	0	5	0	4	0	4	0	4	0	4
1333		2	max	15.185	13	0	8	0	18	0	18	0	18	0	18
1334			min	0	7	0	5	0	4	0	4	0	4	-0.003	8
1335		3	max	15.265	13	0	18	0	18	0	18	0	18	0	18
1336			min	0	7	0	4	0	4	0	4	0	4	-0.004	8
1337		4	max	15.345	13	0	18	0	18	0	18	0	18	0	18
1338			min	0	7	0	8	0	4	0	4	0	4	-0.003	8
1339		5	max	15.425	13	0	18	0	18	0	18	0	18	0	18
1340			min	0	7	-0.001	8	0	4	0	4	0	4	0	4
1341	M393	1	max	0.201	8	0	17	0	18	0	18	0.001	8	0.226	18
1342			min	0	5	-0.044	18	0	8	0	4	0	5	0	4
1343		2	max	0.151	8	0	17	0	18	0	18	0	8	0.315	18
1344			min	0	5	-0.013	18	0	8	0	4	0	5	0	4
1345		3	max	0.1	8	0.018	18	0	18	0	18	0	8	0.307	18
1346			min	0	5	0	4	0	8	0	4	0	5	0	4
1347		4	max	0.05	8	0.049	18	0	18	0	18	0	8	0.202	18
1348			min	0	5	0	4	0	8	0	4	0	5	0	4
1349		5	max	0	18	0.08	18	0	18	0	18	0	18	0	18
1350			min	0	4	0	4	0	8	0	4	0	4	0	4
1351	M394	1	max	0	18	12.865	13	0	18	0	18	0	18	0	18
1352			min	-0.075	13	0	7	0	4	0	4	0	4	0	4
1353		2	max	0	18	6.76	13	0	18	0	18	0	18	0	18
1354			min	-0.075	13	0	7	0	4	0	4	0	4	-35.213	13
1355		3	max	0	18	0.654	13	0	18	0	18	0	18	0	18
1356			min	-0.075	13	0	7	0	4	0	4	0	4	-48.515	13
1357		4	max	0	18	0	18	0	18	0	18	0	18	0	18
1358			min	-0.075	13	-5.452	13	0	4	0	4	0	4	-39.906	13
1359		5	max	0	18	0	18	0	18	0	18	0	18	0	18
1360			min	-0.075	13	-15.104	13	0	4	0	4	0	4	0	4
1361	M395	1	max	1.385	8	0	17	0	18	0	18	0	18	0	18
1362			min	0	5	-0.355	18	0	4	0	4	0	4	0	4
1363		2	max	1.33	8	0	17	0	18	0	18	0	18	1.683	18
1364			min	0	5	-0.331	18	0	4	0	4	0	4	0	5
1365		3	max	0.202	8	0.229	18	0	18	0	18	0	18	2.812	18
1366			min	0	5	0	4	0	4	0	4	0	4	0	5
1367		4	max	0.101	8	0.287	18	0	18	0	18	0	18	1.546	18
1368			min	0	5	0	4	0	4	0	4	0	4	0	5
1369		5	max	0	18	0.344	18	0	18	0	18	0	18	0	18
1370			min	0	4	0	4	0	4	0	4	0	4	0	4
1371	M396	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
1372			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
1373		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
1374			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
1375		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
1376			min	0	5	0	4	0	4	0	4	0	4	0	4
1377		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
1378			min	0	5	0	4	0	4	0	4	0	4	0	4
1379		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
1380			min	0	4	0	4	0	4	0	4	0	4	0	4
1381	M397	1	max	0.246	8	0	17	0	18	0	18	0	18	0	18
1382			min	0	5	-0.08	18	0	4	0	4	0	4	0	4
1383		2	max	0.184	8	0	17	0	18	0	18	0	18	0.159	18
1384			min	0	5	-0.04	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1385		3	max	0.123	8	0	18	0	18	0	18	0	18	0.212	18
1386			min	0	5	0	4	0	4	0	4	0	4	0	4
1387		4	max	0.061	8	0.04	18	0	18	0	18	0	18	0.159	18
1388			min	0	5	0	4	0	4	0	4	0	4	0	4
1389		5	max	0	18	0.08	18	0	18	0	18	0	18	0	18
1390			min	0	4	0	4	0	4	0	4	0	4	0	4
1391	M398	1	max	0	18	2.6	13	0	18	0	18	0	18	0	18
1392			min	0	4	0	7	0	13	0	4	0	4	0	4
1393		2	max	0	18	1.426	13	0	18	0	18	0	18	0	18
1394			min	0	4	0	7	0	13	0	4	0	13	-9.075	13
1395		3	max	0	18	0	18	0	18	0	18	0	18	0	18
1396			min	0	4	-0.076	13	0	13	0	4	0	13	-11.94	13
1397		4	max	0	18	0	18	0	18	0	18	0	18	0	18
1398			min	0	4	-1.577	13	0	13	0	4	0	13	-8.431	13
1399		5	max	0	18	0	18	0	18	0	18	0	18	0	18
1400			min	0	4	-2.104	13	0	13	0	4	0	13	0	4
1401	M399	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
1402			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
1403		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
1404			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
1405		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
1406			min	0	5	0	4	0	4	0	4	0	4	0	4
1407		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
1408			min	0	5	0	4	0	4	0	4	0	4	0	4
1409		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
1410			min	0	4	0	4	0	4	0	4	0	4	0	4
1411	M400	1	max	1.389	8	0	17	0	18	0	18	0	18	0	18
1412			min	0	5	-0.356	18	0	4	0	4	0	4	0	4
1413		2	max	1.333	8	0	17	0	18	0	18	0	18	1.685	18
1414			min	0	5	-0.331	18	0	4	0	4	0	4	0	5
1415		3	max	0.214	8	0.226	18	0	18	0	18	0	18	2.82	18
1416			min	0	5	0	4	0	4	0	4	0	4	0	5
1417		4	max	0.107	8	0.287	18	0	18	0	18	0	18	1.56	18
1418			min	0	5	0	4	0	4	0	4	0	4	0	5
1419		5	max	0	18	0.349	18	0	18	0	18	0	18	0	18
1420			min	0	4	0	4	0	4	0	4	0	4	0	4
1421	M402	1	max	50.307	13	0	17	0	18	0	18	0	18	0	18
1422			min	0	7	-0.393	18	0	4	0	4	0	4	0	4
1423		2	max	50.227	13	0	17	0	18	0	18	0	18	1.665	18
1424			min	0	7	-0.393	18	0	4	0	4	0	4	0	5
1425		3	max	50.147	13	0	17	0	18	0	18	0	18	3.331	18
1426			min	0	7	-0.393	18	0	4	0	4	0	4	0	5
1427		4	max	48.619	13	0.442	18	0	18	0	18	0	18	1.956	18
1428			min	0	7	0	5	0	4	0	4	0	4	0	5
1429		5	max	48.491	13	0.482	18	0	18	0	18	0	18	0	18
1430			min	0	7	0	5	0	4	0	4	0	4	0	4
1431	M403	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
1432			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1433		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
1434			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1435		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1436			min	0	5	0	4	0	4	0	4	0	4	0	4
1437		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1438			min	0	5	0	4	0	4	0	4	0	4	0	4
1439		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1440			min	0	4	0	4	0	4	0	4	0	4	0	4
1441	M404	1	max	0.161	8	0	17	0	18	0	18	0	18	0	18
1442			min	0	5	-0.049	18	0	4	0	4	0	4	0	4
1443		2	max	0.121	8	0	17	0	18	0	18	0	18	0.098	18
1444			min	0	5	-0.025	18	0	4	0	4	0	4	0	4
1445		3	max	0.08	8	0	18	0	18	0	18	0	18	0.131	18
1446			min	0	5	0	4	0	4	0	4	0	4	0	4
1447		4	max	0.04	8	0.025	18	0	18	0	18	0	18	0.098	18
1448			min	0	5	0	4	0	4	0	4	0	4	0	4
1449		5	max	0	18	0.049	18	0	18	0	18	0	18	0	18
1450			min	0	4	0	4	0	4	0	4	0	4	0	4
1451	M405	1	max	0	18	0	18	0.033	13	0	18	0.147	13	0	18
1452			min	-0.002	13	-0.248	13	0	7	-0.001	13	0	7	-0.216	13
1453		2	max	0	18	0	18	0.033	13	0	18	0	18	0.014	13
1454			min	-0.002	13	-0.169	13	0	7	-0.001	13	-0.023	13	0	7
1455		3	max	0	18	0	17	0.033	13	0	18	0	18	0.123	13
1456			min	-0.002	13	-0.002	8	0	7	-0.001	13	-0.072	13	0	7
1457		4	max	0	18	0.086	13	0.033	13	0	18	0.006	13	0.106	13
1458			min	-0.002	13	0	7	0	7	-0.001	13	0	7	0	7
1459		5	max	0.007	13	0.313	13	0	18	0.002	13	0.168	13	0	18
1460			min	0	7	0	7	-0.025	13	0	7	0	7	-0.268	13
1461	M406	1	max	0	18	0.637	8	0.307	18	0	18	0	18	0	18
1462			min	0	4	0	5	0	4	0	4	0	4	0	4
1463		2	max	0	18	0.234	8	0.128	18	0	18	0.408	18	0	18
1464			min	0	4	0	5	0	4	0	4	0	4	-0.844	8
1465		3	max	0	18	0	18	0	17	0	18	0.537	18	0	18
1466			min	0	4	-0.025	8	-0.008	18	0	4	0	4	-1.104	8
1467		4	max	0	18	0	18	0	17	0	18	0.401	18	0	18
1468			min	0	4	-0.284	8	-0.144	18	0	4	0	4	-0.822	8
1469		5	max	0	18	0	18	0	17	0	18	0	18	0	18
1470			min	0	4	-0.543	8	-0.279	18	0	4	0	4	0	4
1471	M407	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1472			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1473		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
1474			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1475		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1476			min	0	5	0	4	0	4	0	4	0	4	0	4
1477		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1478			min	0	5	0	4	0	4	0	4	0	4	0	4
1479		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1480			min	0	4	0	4	0	4	0	4	0	4	0	4
1481	M408	1	max	0	18	2.301	13	0	13	0	18	0	18	0	18
1482			min	-0.007	13	0	7	0	7	0	4	0	4	0	4
1483		2	max	0.038	13	1.273	13	0	13	0	18	0	18	0	18
1484			min	0	7	0	7	0	7	-0.228	13	-0.069	13	-11.129	13
1485		3	max	0	18	0.002	17	0	18	0	18	0	13	0	18
1486			min	-0.007	13	-0.008	8	0	13	-0.456	13	0	7	-14.901	13
1487		4	max	0	18	0	18	0	18	0	18	0	13	0	18
1488			min	-0.007	13	-1.146	13	0	13	-0.456	13	0	7	-11.163	13
1489		5	max	0	18	0	18	0	18	0	18	0	18	0	18
1490			min	-0.007	13	-2.289	13	0	13	-0.456	13	0	4	0	4
1491	M409	1	max	0.171	8	0	17	0	18	0	18	0	18	0	18
1492			min	0	5	-0.053	18	0	4	0	4	0	4	0	4
1493		2	max	0.129	8	0	17	0	18	0	18	0	18	0.106	18
1494			min	0	5	-0.027	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1495		3	max	0.086	8	0	18	0	18	0	18	0	18	0.141	18
1496			min	0	5	0	4	0	4	0	4	0	4	0	4
1497		4	max	0.043	8	0.027	18	0	18	0	18	0	18	0.106	18
1498			min	0	5	0	4	0	4	0	4	0	4	0	4
1499		5	max	0	18	0.053	18	0	18	0	18	0	18	0	18
1500			min	0	4	0	4	0	4	0	4	0	4	0	4
1501	M410	1	max	0.007	13	0	18	0.025	13	0	18	0.168	13	0	18
1502			min	0	7	-0.313	13	0	7	-0.002	13	0	7	-0.268	13
1503		2	max	0	18	0	18	0	18	0.001	13	0.006	13	0.106	13
1504			min	-0.002	13	-0.086	13	-0.033	13	0	7	0	7	0	7
1505		3	max	0	18	0.002	8	0	18	0.001	13	0	18	0.123	13
1506			min	-0.002	13	0	5	-0.033	13	0	7	-0.072	13	0	7
1507		4	max	0	18	0.169	13	0	18	0.001	13	0	18	0.014	13
1508			min	-0.002	13	0	7	-0.033	13	0	7	-0.023	13	0	7
1509		5	max	0	18	0.248	13	0	18	0.001	13	0.147	13	0	18
1510			min	-0.002	13	0	7	-0.033	13	0	7	0	7	-0.216	13
1511	M411	1	max	0.008	13	0	18	0.019	13	0	18	0.174	13	0	18
1512			min	0	7	-0.321	13	0	7	-0.002	13	0	7	-0.271	13
1513		2	max	0	18	0	18	0	18	0.001	13	0.005	13	0.109	13
1514			min	-0.002	13	-0.085	13	-0.033	13	0	7	0	7	0	7
1515		3	max	0	18	0.003	13	0	18	0.001	13	0	18	0.125	13
1516			min	-0.002	13	0	7	-0.033	13	0	7	-0.072	13	0	7
1517		4	max	0	18	0.17	13	0	18	0.001	13	0	18	0.014	13
1518			min	-0.002	13	0	7	-0.033	13	0	7	-0.022	13	0	7
1519		5	max	0	18	0.249	13	0	18	0.001	13	0.148	13	0	18
1520			min	-0.002	13	0	7	-0.033	13	0	7	0	7	-0.218	13
1521	M412	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
1522			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1523		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
1524			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1525		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1526			min	0	5	0	4	0	4	0	4	0	4	0	4
1527		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1528			min	0	5	0	4	0	4	0	4	0	4	0	4
1529		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1530			min	0	4	0	4	0	4	0	4	0	4	0	4
1531	M413	1	max	1.399	8	0	17	0	18	0	18	0	18	0	18
1532			min	0	5	-0.355	18	0	4	0	4	0	4	0	4
1533		2	max	1.343	8	0	17	0	18	0	18	0	18	1.681	18
1534			min	0	5	-0.33	18	0	4	0	4	0	4	0	5
1535		3	max	0.145	8	0.248	18	0	18	0	18	0	18	2.793	18
1536			min	0	5	0	4	0	4	0	4	0	4	0	5
1537		4	max	0.072	8	0.285	18	0	18	0	18	0	18	1.487	18
1538			min	0	5	0	4	0	4	0	4	0	4	0	5
1539		5	max	0	18	0.321	18	0	18	0	18	0	18	0	18
1540			min	0	4	0	4	0	4	0	4	0	4	0	4
1541	M414	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
1542			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1543		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
1544			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1545		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1546			min	0	5	0	4	0	4	0	4	0	4	0	4
1547		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1548			min	0	5	0	4	0	4	0	4	0	4	0	4
1549		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1550			min	0	4	0	4	0	4	0	4	0	4	0	4
1551	M415	1	max	-0.018	16	35.756	13	0	18	0	18	0	18	0	18
1552			min	-0.482	18	0	7	0	4	0	4	0	4	0	4
1553		2	max	-0.018	16	19.37	13	0	18	0	18	0	18	0	18
1554			min	-0.482	18	0	7	0	4	0	4	0	4	-259.407	13
1555		3	max	-0.018	16	0.385	13	0	18	0	18	0	18	0	18
1556			min	-0.482	18	0	16	0	4	0	4	0	4	-348.735	13
1557		4	max	-0.018	16	0	18	0	18	0	18	0	18	0	18
1558			min	-0.482	18	-18.599	13	0	4	0	4	0	4	-252.144	13
1559		5	max	-0.018	16	0	18	0	18	0	18	0	18	0	18
1560			min	-0.482	18	-34.985	13	0	4	0	4	0	4	0	4
1561	M416	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
1562			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
1563		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
1564			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
1565		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
1566			min	0	5	0	4	0	4	0	4	0	4	0	4
1567		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
1568			min	0	5	0	4	0	4	0	4	0	4	0	4
1569		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
1570			min	0	4	0	4	0	4	0	4	0	4	0	4
1571	M417	1	max	0	18	0	18	0.116	18	0	18	0	18	0	18
1572			min	0	4	0	4	0	4	0	4	0	4	0	4
1573		2	max	0	18	0	18	0.058	18	0	18	0.135	18	0	18
1574			min	0	4	0	4	0	4	0	4	0	4	0	4
1575		3	max	0	18	0	18	0	18	0	18	0.18	18	0	18
1576			min	0	4	0	4	0	4	0	4	0	4	0	4
1577		4	max	0	18	0	18	0	17	0	18	0.135	18	0	18
1578			min	0	4	0	4	-0.058	18	0	4	0	4	0	4
1579		5	max	0	18	0	18	0	17	0	18	0	18	0	18
1580			min	0	4	0	4	-0.116	18	0	4	0	4	0	4
1581	M418	1	max	0.017	13	2.118	13	0	18	0	18	0	18	0	18
1582			min	0	7	0	7	-0.007	13	-0.27	13	0	4	0	4
1583		2	max	0	18	1.186	13	0	18	0	18	0.041	13	0	18
1584			min	-0.008	13	0	7	0	4	-0.579	13	0	7	-11.681	13
1585		3	max	0	18	0	18	0	18	0	18	0.041	13	0	18
1586			min	-0.008	13	0	4	0	4	-0.579	13	0	7	-15.537	13
1587		4	max	0	18	0	18	0	18	0	18	0.041	13	0	18
1588			min	-0.008	13	-1.186	13	0	4	-0.579	13	0	7	-11.681	13
1589		5	max	0.017	13	0	18	0.007	13	0	18	0	18	0	18
1590			min	0	7	-2.118	13	0	7	-0.887	13	0	4	0	4
1591	M419	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
1592			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1593		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
1594			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1595		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1596			min	0	5	0	4	0	4	0	4	0	4	0	4
1597		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1598			min	0	5	0	4	0	4	0	4	0	4	0	4
1599		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1600			min	0	4	0	4	0	4	0	4	0	4	0	4
1601	M420	1	max	0	18	0.481	8	0	17	0	18	0	18	0	18
1602			min	0	4	0	5	-0.246	18	0	4	0	4	0	4
1603		2	max	0	18	0.217	8	0	17	0	18	0	17	0	18
1604			min	0	4	0	5	-0.117	18	0	4	-0.321	18	-0.668	8

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1605		3	max	0	18	0	18	0.012	18	0	18	0	17	0	18
1606			min	0	4	-0.038	8	0	4	0	4	-0.426	18	-0.88	8
1607		4	max	0	18	0	18	0.141	18	0	18	0	17	0	18
1608			min	0	4	-0.293	8	0	4	0	4	-0.315	18	-0.647	8
1609		5	max	0	18	0	18	0.257	18	0	18	0	18	0	18
1610			min	0	4	-0.514	8	0	4	0	4	0	4	0	4
1611	M421	1	max	0.847	8	0	17	0	18	0	18	0	18	0	18
1612			min	0	5	-0.217	18	0	4	0	4	0	4	0	4
1613		2	max	0.78	8	0	17	0	18	0	18	0	18	0.986	18
1614			min	0	5	-0.185	18	0	4	0	4	0	4	0	5
1615		3	max	0.194	8	0.109	18	0	18	0	18	0	18	1.602	18
1616			min	0	5	0	4	0	4	0	4	0	4	0	5
1617		4	max	0.097	8	0.163	18	0	18	0	18	0	18	0.935	18
1618			min	0	5	0	4	0	4	0	4	0	4	0	5
1619		5	max	0	18	0.218	18	0	18	0	18	0	18	0	18
1620			min	0	4	0	4	0	4	0	4	0	4	0	4
1621	M422	1	max	0	18	0	18	0.233	18	0	18	0	18	0	18
1622			min	0	4	0	4	0	4	0	4	0	4	0	4
1623		2	max	0	18	0	18	0.117	18	0	18	0.547	18	0	18
1624			min	0	4	0	4	0	4	0	4	0	4	0	4
1625		3	max	0	18	0	18	0	18	0	18	0.73	18	0	18
1626			min	0	4	0	4	0	4	0	4	0	4	0	4
1627		4	max	0	18	0	18	0	17	0	18	0.547	18	0	18
1628			min	0	4	0	4	-0.117	18	0	4	0	4	0	4
1629		5	max	0	18	0	18	0	17	0	18	0	18	0	18
1630			min	0	4	0	4	-0.233	18	0	4	0	4	0	4
1631	M423	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1632			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1633		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
1634			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1635		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1636			min	0	5	0	4	0	4	0	4	0	4	0	4
1637		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1638			min	0	5	0	4	0	4	0	4	0	4	0	4
1639		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1640			min	0	4	0	4	0	4	0	4	0	4	0	4
1641	M424	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1642			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1643		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
1644			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1645		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1646			min	0	5	0	4	0	4	0	4	0	4	0	4
1647		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1648			min	0	5	0	4	0	4	0	4	0	4	0	4
1649		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1650			min	0	4	0	4	0	4	0	4	0	4	0	4
1651	M425	1	max	0	18	2.36	13	0	18	0	18	0	18	0	18
1652			min	-0.019	13	0	7	0	13	0	4	0	4	0	4
1653		2	max	0.104	13	1.374	13	0	18	0.302	13	0.146	13	0	18
1654			min	0	7	0	7	0	13	0	7	0	7	-11.35	13
1655		3	max	0	18	0	18	0	13	0.604	13	0	18	0	18
1656			min	-0.019	13	-0.018	13	0	7	0	7	0	13	-15.085	13
1657		4	max	0	18	0	18	0	13	0.604	13	0	18	0	18
1658			min	-0.019	13	-1.16	13	0	7	0	7	0	13	-11.255	13
1659		5	max	0	18	0	18	0	13	0.604	13	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1660			min	-0.019	13	-2.303	13	0	7	0	7	0	4	0	4
1661	M426	1	max	0	18	0	18	0.01	13	0	18	0.062	13	0.062	13
1662			min	-0.052	13	-0.24	13	0	7	0	13	0	7	0	7
1663		2	max	0	18	0	18	0.01	13	0	18	0	18	0.211	13
1664			min	-0.052	13	-0.149	13	0	7	0	13	-0.072	13	0	7
1665		3	max	0	18	0.008	13	0.01	13	0	18	0	18	0.271	13
1666			min	-0.052	13	0	7	0	7	0	13	-0.117	13	0	7
1667		4	max	0	18	0.15	13	0.01	13	0	18	0	18	0.219	13
1668			min	-0.052	13	0	7	0	7	0	13	-0.05	13	0	7
1669		5	max	0	18	0.224	13	0.01	13	0	18	0.093	13	0.09	13
1670			min	-0.052	13	0	7	0	7	0	13	0	7	0	7
1671	M427	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1672			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1673		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
1674			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1675		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1676			min	0	5	0	4	0	4	0	4	0	4	0	4
1677		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1678			min	0	5	0	4	0	4	0	4	0	4	0	4
1679		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1680			min	0	4	0	4	0	4	0	4	0	4	0	4
1681	M428	1	max	0.246	8	0	17	0	18	0	18	0	18	0	18
1682			min	0	5	-0.08	18	0	4	0	4	0	4	0	4
1683		2	max	0.184	8	0	17	0	18	0	18	0	18	0.159	18
1684			min	0	5	-0.04	18	0	4	0	4	0	4	0	4
1685		3	max	0.123	8	0	18	0	18	0	18	0	18	0.212	18
1686			min	0	5	0	4	0	4	0	4	0	4	0	4
1687		4	max	0.061	8	0.04	18	0	18	0	18	0	18	0.159	18
1688			min	0	5	0	4	0	4	0	4	0	4	0	4
1689		5	max	0	18	0.08	18	0	18	0	18	0	18	0	18
1690			min	0	4	0	4	0	4	0	4	0	4	0	4
1691	M429	1	max	0	18	1.065	8	0	17	0	18	0	18	0	18
1692			min	0	4	0	5	-0.53	18	0	4	0	4	0	4
1693		2	max	0	18	0.555	8	0	17	0	18	0	17	0	18
1694			min	0	4	0	5	-0.272	18	0	4	-1.315	18	-2.722	8
1695		3	max	0	18	0.045	8	0	17	0	18	0	17	0	18
1696			min	0	4	0	5	-0.014	18	0	4	-1.758	18	-3.646	8
1697		4	max	0	18	0	18	0.314	18	0	18	0	17	0	18
1698			min	0	4	-0.685	8	0	4	0	4	-1.324	18	-2.757	8
1699		5	max	0	18	0	18	0.554	18	0	18	0	18	0	18
1700			min	0	4	-1.16	8	0	4	0	4	0	4	0	4
1701	M430	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
1702			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1703		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
1704			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1705		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1706			min	0	5	0	4	0	4	0	4	0	4	0	4
1707		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1708			min	0	5	0	4	0	4	0	4	0	4	0	4
1709		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1710			min	0	4	0	4	0	4	0	4	0	4	0	4
1711	M431	1	max	0.222	8	0	17	0	18	0	18	0	18	0	18
1712			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1713		2	max	0.165	8	0	17	0	18	0	18	0	18	0.143	18
1714			min	0	5	-0.035	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1715		3	max	0.111	8	0	18	0	18	0	18	0	18	0.188	18
1716			min	0	5	0	4	0	4	0	4	0	4	0	4
1717		4	max	0.057	8	0.035	18	0	18	0	18	0	18	0.142	18
1718			min	0	5	0	4	0	4	0	4	0	4	0	4
1719		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1720			min	0	4	0	4	0	4	0	4	0	4	0	4
1721	M432	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1722			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1723		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
1724			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1725		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1726			min	0	5	0	4	0	4	0	4	0	4	0	4
1727		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1728			min	0	5	0	4	0	4	0	4	0	4	0	4
1729		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1730			min	0	4	0	4	0	4	0	4	0	4	0	4
1731	M433	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1732			min	0	5	-0.063	18	0	4	0	4	0	4	0	4
1733		2	max	0.173	8	0	17	0	18	0	18	0	18	0.13	18
1734			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
1735		3	max	0.126	8	0	17	0	18	0	18	0	18	0.178	18
1736			min	0	5	-0.004	18	0	4	0	4	0	4	0	4
1737		4	max	0.071	8	0.031	18	0	18	0	18	0	18	0.147	18
1738			min	0	5	0	4	0	4	0	4	0	4	0	4
1739		5	max	0	18	0.078	18	0	18	0	18	0	18	0	18
1740			min	0	4	0	4	0	4	0	4	0	4	0	4
1741	M434	1	max	-0.019	16	44.325	13	0	18	0	18	0	18	0	18
1742			min	-0.737	18	0	7	0	4	0	4	0	4	0	4
1743		2	max	-0.019	16	23.879	13	0	18	0	18	0	18	0	18
1744			min	-0.737	18	0	7	0	4	0	4	0	4	-311.064	13
1745		3	max	-0.019	16	0	18	0	18	0	18	0	18	0	18
1746			min	-0.737	18	-2.005	13	0	4	0	4	0	4	-405.485	13
1747		4	max	-0.019	16	0	18	0	18	0	18	0	18	0	18
1748			min	-0.737	18	-23.746	13	0	4	0	4	0	4	-298.714	13
1749		5	max	-0.019	16	0	18	0	18	0	18	0	18	0	18
1750			min	-0.737	18	-39.064	13	0	4	0	4	0	4	0	4
1751	M435	1	max	0.88	8	0	17	0	18	0	18	0	18	0	18
1752			min	0	5	-0.219	18	0	4	0	4	0	4	0	4
1753		2	max	0.825	8	0	17	0	18	0	18	0	18	1.017	18
1754			min	0	5	-0.195	18	0	4	0	4	0	4	0	4
1755		3	max	0.131	8	0.138	18	0	18	0	18	0	18	1.663	18
1756			min	0	5	0	4	0	4	0	4	0	4	0	4
1757		4	max	0.065	8	0.169	18	0	18	0	18	0	18	0.909	18
1758			min	0	5	0	4	0	4	0	4	0	4	0	4
1759		5	max	0	18	0.201	18	0	18	0	18	0	18	0	18
1760			min	0	4	0	4	0	4	0	4	0	4	0	4
1761	M436	1	max	0.405	8	0	17	0	18	0	18	0	18	0	18
1762			min	0	5	-0.13	18	0	4	0	4	0	4	0	4
1763		2	max	0.304	8	0	17	0	18	0	18	0	18	0.478	18
1764			min	0	5	-0.065	18	0	4	0	4	0	4	0	4
1765		3	max	0.203	8	0	18	0	18	0	18	0	18	0.637	18
1766			min	0	5	0	4	0	4	0	4	0	4	0	4
1767		4	max	0.101	8	0.065	18	0	18	0	18	0	18	0.478	18
1768			min	0	5	0	4	0	4	0	4	0	4	0	4
1769		5	max	0	18	0.13	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1770			min	0	4	0	4	0	4	0	4	0	4	0	4
1771	M437	1	max	0	18	12.934	13	0	18	0	18	0	18	0	18
1772			min	-0.113	13	0	7	0	4	0	4	0	4	0	4
1773		2	max	0	18	9.63	13	0	18	0	18	0	18	0	18
1774			min	-0.113	13	0	7	0	4	0	4	0	4	-40.487	13
1775		3	max	0	18	0.549	13	0	18	0	18	0	18	0	18
1776			min	-0.113	13	0	7	0	4	0	4	0	4	-50.403	13
1777		4	max	0	18	0	18	0	18	0	18	0	18	0	18
1778			min	-0.113	13	-8.531	13	0	4	0	4	0	4	-37.036	13
1779		5	max	0	18	0	18	0	18	0	18	0	18	0	18
1780			min	-0.113	13	-12.021	13	0	4	0	4	0	4	0	4
1781	M438	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
1782			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
1783		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
1784			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
1785		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
1786			min	0	5	0	4	0	4	0	4	0	4	0	4
1787		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
1788			min	0	5	0	4	0	4	0	4	0	4	0	4
1789		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
1790			min	0	4	0	4	0	4	0	4	0	4	0	4
1791	M439	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1792			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1793		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
1794			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1795		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1796			min	0	5	0	4	0	4	0	4	0	4	0	4
1797		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1798			min	0	5	0	4	0	4	0	4	0	4	0	4
1799		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1800			min	0	4	0	4	0	4	0	4	0	4	0	4
1801	M440	1	max	0.186	8	0	17	0	18	0	18	0	18	0	18
1802			min	0	5	-0.052	18	0	4	0	4	0	4	0	4
1803		2	max	0.145	8	0	17	0	18	0	18	0	18	0.106	18
1804			min	0	5	-0.026	18	0	4	0	4	0	4	0	4
1805		3	max	0.105	8	0	17	0	18	0	18	0	18	0.143	18
1806			min	0	5	-0.002	18	0	4	0	4	0	4	0	4
1807		4	max	0.064	8	0.023	18	0	18	0	18	0	18	0.118	18
1808			min	0	5	0	4	0	4	0	4	0	4	0	4
1809		5	max	0	18	0.065	18	0	18	0	18	0	18	0	18
1810			min	0	4	0	4	0	4	0	4	0	4	0	4
1811	M441	1	max	-0.018	16	32.771	13	0	18	0	18	0	18	0	18
1812			min	-0.658	18	0	7	0	4	0	4	0	4	0	4
1813		2	max	-0.018	16	16.386	13	0	18	0	18	0	18	0	18
1814			min	-0.658	18	0	7	0	4	0	4	0	4	-231.32	13
1815		3	max	-0.018	16	0	18	0	18	0	18	0	18	0	18
1816			min	-0.658	18	0	4	0	4	0	4	0	4	-308.427	13
1817		4	max	-0.018	16	0	18	0	18	0	18	0	18	0	18
1818			min	-0.658	18	-16.386	13	0	4	0	4	0	4	-231.32	13
1819		5	max	-0.018	16	0	18	0	18	0	18	0	18	0	18
1820			min	-0.658	18	-32.771	13	0	4	0	4	0	4	0	4
1821	M442	1	max	0	18	0.234	8	0	17	0	18	0	18	0	18
1822			min	0	4	0	5	-0.101	18	0	4	0	4	0	4
1823		2	max	0	18	0.214	8	0	17	0	18	0	17	0	18
1824			min	0	4	0	5	-0.076	18	0	4	-0.073	18	-0.186	8

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1825		3	max	0	18	0	18	0.019	18	0	17	0	17	0	18
1826			min	0	4	-0.064	8	0	4	-0.16	18	-0.103	18	-0.27	8
1827		4	max	0	18	0	18	0.044	18	0	17	0	17	0	18
1828			min	0	4	-0.082	8	0	4	-0.16	18	-0.076	18	-0.209	8
1829		5	max	0	18	0	18	0.113	18	0	17	0	18	0	18
1830			min	0	4	-0.301	8	0	4	-0.386	18	0	4	0	4
1831	M443	1	max	33.092	13	0	18	0	18	0	18	0	18	0	18
1832			min	0	7	0	4	0	4	0	4	0	4	0	4
1833		2	max	33.012	13	0	18	0	18	0	18	0	18	0	18
1834			min	0	7	0	4	0	4	0	4	0	4	0	4
1835		3	max	32.932	13	0	18	0	18	0	18	0	18	0	18
1836			min	0	7	0	4	0	4	0	4	0	4	0	4
1837		4	max	32.852	13	0	18	0	18	0	18	0	18	0	18
1838			min	0	7	0	4	0	4	0	4	0	4	0	4
1839		5	max	32.771	13	0	18	0	18	0	18	0	18	0	18
1840			min	0	7	0	4	0	4	0	4	0	4	0	4
1841	M444	1	max	1.399	8	0	17	0	18	0	18	0	18	0	18
1842			min	0	5	-0.355	18	0	4	0	4	0	4	0	4
1843		2	max	1.344	8	0	17	0	18	0	18	0	18	1.683	18
1844			min	0	5	-0.331	18	0	4	0	4	0	4	0	5
1845		3	max	0.147	8	0.248	18	0	18	0	18	0	18	2.797	18
1846			min	0	5	0	4	0	4	0	4	0	4	0	5
1847		4	max	0.073	8	0.285	18	0	18	0	18	0	18	1.491	18
1848			min	0	5	0	4	0	4	0	4	0	4	0	5
1849		5	max	0	18	0.323	18	0	18	0	18	0	18	0	18
1850			min	0	4	0	4	0	4	0	4	0	4	0	4
1851	M445	1	max	0	18	0	18	0.028	13	0	18	0.191	13	0	18
1852			min	-0.007	13	-0.31	13	0	7	0	4	0	7	-0.191	13
1853		2	max	0.002	13	0	18	0	18	0	18	0.008	13	0.155	13
1854			min	0	7	-0.083	13	-0.03	13	0	4	0	7	0	7
1855		3	max	0.002	13	0.004	13	0	18	0	18	0	18	0.173	13
1856			min	0	7	0	7	-0.03	13	0	4	-0.064	13	0	7
1857		4	max	0.002	13	0.171	13	0	18	0	18	0	18	0.064	13
1858			min	0	7	0	7	-0.03	13	0	4	-0.01	13	0	7
1859		5	max	0.002	13	0.25	13	0	18	0	18	0.166	13	0	18
1860			min	0	7	0	7	-0.03	13	0	4	0	7	-0.166	13
1861	M446	1	max	0.188	8	0	17	0	18	0	18	0	18	0	18
1862			min	0	5	-0.059	18	0	4	0	4	0	4	0	4
1863		2	max	0.141	8	0	17	0	18	0	18	0	18	0.117	18
1864			min	0	5	-0.029	18	0	4	0	4	0	4	0	4
1865		3	max	0.094	8	0	18	0	18	0	18	0	18	0.156	18
1866			min	0	5	0	4	0	4	0	4	0	4	0	4
1867		4	max	0.047	8	0.029	18	0	18	0	18	0	18	0.117	18
1868			min	0	5	0	4	0	4	0	4	0	4	0	4
1869		5	max	0	18	0.059	18	0	18	0	18	0	18	0	18
1870			min	0	4	0	4	0	4	0	4	0	4	0	4
1871	M447	1	max	35.306	13	0	18	0	18	0	18	0	18	0	18
1872			min	0	7	0	4	0	4	0	4	0	4	0	4
1873		2	max	35.226	13	0	18	0	18	0	18	0	18	0	18
1874			min	0	7	0	4	0	4	0	4	0	4	0	4
1875		3	max	35.146	13	0	18	0	18	0	18	0	18	0	18
1876			min	0	7	0	4	0	4	0	4	0	4	0	4
1877		4	max	35.066	13	0	18	0	18	0	18	0	18	0	18
1878			min	0	7	0	4	0	4	0	4	0	4	0	4
1879		5	max	34.986	13	0	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1880			min	0	7	0	4	0	4	0	4	0	4	0	4
1881	M448	1	max	0.224	8	0	17	0	18	0	18	0	18	0	18
1882			min	0	5	-0.065	18	0	4	0	4	0	4	0	4
1883		2	max	0.168	8	0	17	0	18	0	18	0	18	0.24	18
1884			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
1885		3	max	0.112	8	0	18	0	18	0	18	0	18	0.32	18
1886			min	0	5	0	4	0	4	0	4	0	4	0	4
1887		4	max	0.056	8	0.033	18	0	18	0	18	0	18	0.24	18
1888			min	0	5	0	4	0	4	0	4	0	4	0	4
1889		5	max	0	18	0.065	18	0	18	0	18	0	18	0	18
1890			min	0	4	0	4	0	4	0	4	0	4	0	4
1891	M449	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
1892			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1893		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
1894			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1895		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1896			min	0	5	0	4	0	4	0	4	0	4	0	4
1897		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1898			min	0	5	0	4	0	4	0	4	0	4	0	4
1899		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1900			min	0	4	0	4	0	4	0	4	0	4	0	4
1901	M450	1	max	0.002	13	0	18	0.03	13	0	18	0.166	13	0	18
1902			min	0	7	-0.25	13	0	7	0	4	0	7	-0.166	13
1903		2	max	0.002	13	0	18	0.03	13	0	18	0	18	0.064	13
1904			min	0	7	-0.171	13	0	7	0	4	-0.01	13	0	7
1905		3	max	0.002	13	0	18	0.03	13	0	18	0	18	0.173	13
1906			min	0	7	-0.004	13	0	7	0	4	-0.064	13	0	7
1907		4	max	0.002	13	0.083	13	0.03	13	0	18	0.008	13	0.155	13
1908			min	0	7	0	7	0	7	0	4	0	7	0	7
1909		5	max	0	18	0.31	13	0	18	0	18	0.191	13	0	18
1910			min	-0.007	13	0	7	-0.028	13	0	4	0	7	-0.191	13
1911	M451	1	max	0.23	8	0	17	0	18	0	18	0	18	0	18
1912			min	0	5	-0.072	18	0	4	0	4	0	4	0	4
1913		2	max	0.174	8	0	17	0	18	0	18	0	18	0.144	18
1914			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1915		3	max	0.12	8	0	17	0	18	0	18	0	18	0.192	18
1916			min	0	5	-0.001	18	0	4	0	4	0	4	0	4
1917		4	max	0.064	8	0.035	18	0	18	0	18	0	18	0.149	18
1918			min	0	5	0	4	0	4	0	4	0	4	0	4
1919		5	max	0	18	0.076	18	0	18	0	18	0	18	0	18
1920			min	0	4	0	4	0	4	0	4	0	4	0	4
1921	M452	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1922			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1923		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
1924			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1925		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1926			min	0	5	0	4	0	4	0	4	0	4	0	4
1927		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1928			min	0	5	0	4	0	4	0	4	0	4	0	4
1929		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1930			min	0	4	0	4	0	4	0	4	0	4	0	4
1931	M453	1	max	0.142	8	0	17	0	18	0	18	0	18	0	18
1932			min	0	5	-0.043	18	0	4	0	4	0	4	0	4
1933		2	max	0.108	8	0	17	0	18	0	18	0	18	0.085	18
1934			min	0	5	-0.022	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1935		3	max	0.071	8	0	17	0	18	0	18	0	18	0.114	18
1936			min	0	5	0	18	0	4	0	4	0	4	0	4
1937		4	max	0.035	8	0.022	18	0	18	0	18	0	18	0.086	18
1938			min	0	5	0	4	0	4	0	4	0	4	0	4
1939		5	max	0	18	0.043	18	0	18	0	18	0	18	0	18
1940			min	0	4	0	4	0	4	0	4	0	4	0	4
1941	M454	1	max	0	18	0	13	0	18	0	18	0.08	13	0	18
1942			min	-0.169	13	0	7	-0.249	13	0	4	0	7	-0.076	13
1943		2	max	0	18	0	13	0	18	0	18	0	18	0	18
1944			min	-0.169	13	0	7	-0.158	13	0	4	-0.068	13	-0.224	13
1945		3	max	0	18	0	18	0	18	0	18	0	18	0	18
1946			min	-0.169	13	0	4	0	4	0	4	-0.127	13	-0.283	13
1947		4	max	0	18	0	13	0.158	13	0	18	0	18	0	18
1948			min	-0.169	13	0	7	0	7	0	4	-0.068	13	-0.224	13
1949		5	max	0	18	0	13	0.249	13	0	18	0.08	13	0	18
1950			min	-0.169	13	0	7	0	7	0	4	0	7	-0.076	13
1951	M455	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1952			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1953		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
1954			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1955		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1956			min	0	5	0	4	0	4	0	4	0	4	0	4
1957		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1958			min	0	5	0	4	0	4	0	4	0	4	0	4
1959		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
1960			min	0	4	0	4	0	4	0	4	0	4	0	4
1961	M456	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
1962			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
1963		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
1964			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
1965		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
1966			min	0	5	0	4	0	4	0	4	0	4	0	4
1967		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
1968			min	0	5	0	4	0	4	0	4	0	4	0	4
1969		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
1970			min	0	4	0	4	0	4	0	4	0	4	0	4
1971	M457	1	max	0.569	8	0	17	0	18	0	18	0	18	0	18
1972			min	0	5	-0.139	18	0	4	0	4	0	4	0	4
1973		2	max	0.515	8	0	17	0	18	0	18	0	18	0.623	18
1974			min	0	5	-0.115	18	0	4	0	4	0	4	0	4
1975		3	max	0.201	8	0.028	18	0	18	0	18	0	18	0.836	18
1976			min	0	5	0	4	0	4	0	4	0	4	0	4
1977		4	max	0.101	8	0.085	18	0	18	0	18	0	18	0.558	18
1978			min	0	5	0	4	0	4	0	4	0	4	0	4
1979		5	max	0	18	0.142	18	0	18	0	18	0	18	0	18
1980			min	0	4	0	4	0	4	0	4	0	4	0	4
1981	M458	1	max	1.673	8	0	17	0	18	0	18	0	18	0	18
1982			min	0	5	-0.43	18	0	4	0	4	0	4	0	4
1983		2	max	1.618	8	0	17	0	18	0	18	0	18	2.051	18
1984			min	0	5	-0.406	18	0	4	0	4	0	4	0	5
1985		3	max	0.202	8	0.293	18	0	18	0	18	0	18	3.436	18
1986			min	0	5	0	4	0	4	0	4	0	4	0	5
1987		4	max	0.101	8	0.35	18	0	18	0	18	0	18	1.858	18
1988			min	0	5	0	4	0	4	0	4	0	4	0	5
1989		5	max	0	18	0.407	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
1990			min	0	4	0	4	0	4	0	4	0	4	0	4
1991	M459	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
1992			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
1993		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
1994			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
1995		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
1996			min	0	5	0	4	0	4	0	4	0	4	0	4
1997		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
1998			min	0	5	0	4	0	4	0	4	0	4	0	4
1999		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2000			min	0	4	0	4	0	4	0	4	0	4	0	4
2001	M460	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
2002			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2003		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
2004			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2005		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2006			min	0	5	0	4	0	4	0	4	0	4	0	4
2007		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2008			min	0	5	0	4	0	4	0	4	0	4	0	4
2009		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2010			min	0	4	0	4	0	4	0	4	0	4	0	4
2011	M461	1	max	21.829	13	0.001	8	0	18	0	18	0	18	0	18
2012			min	0	7	0	5	0	4	0	4	0	4	0	4
2013		2	max	21.906	13	0	8	0	18	0	18	0	18	0	18
2014			min	0	7	0	5	0	4	0	4	0	4	-0.003	8
2015		3	max	21.982	13	0	18	0	18	0	18	0	18	0	18
2016			min	0	7	0	4	0	4	0	4	0	4	-0.004	8
2017		4	max	22.059	13	0	18	0	18	0	18	0	18	0	18
2018			min	0	7	0	8	0	4	0	4	0	4	-0.003	8
2019		5	max	22.136	13	0	18	0	18	0	18	0	18	0	18
2020			min	0	7	-0.001	8	0	4	0	4	0	4	0	4
2021	M462	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
2022			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2023		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
2024			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2025		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2026			min	0	5	0	4	0	4	0	4	0	4	0	4
2027		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2028			min	0	5	0	4	0	4	0	4	0	4	0	4
2029		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2030			min	0	4	0	4	0	4	0	4	0	4	0	4
2031	M463	1	max	0.221	8	0	17	0	18	0	18	0	18	0	18
2032			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2033		2	max	0.166	8	0	17	0	18	0	18	0	18	0.141	18
2034			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2035		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2036			min	0	5	0	4	0	4	0	4	0	4	0	4
2037		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2038			min	0	5	0	4	0	4	0	4	0	4	0	4
2039		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2040			min	0	4	0	4	0	4	0	4	0	4	0	4
2041	M464	1	max	0.243	8	0	17	0	18	0	18	0	18	0	18
2042			min	0	5	-0.073	18	0	4	0	4	0	4	0	4
2043		2	max	0.187	8	0	17	0	18	0	18	0	18	0.149	18
2044			min	0	5	-0.038	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
2045		3	max	0.132	8	0	17	0	18	0	18	0	18	0.201	18
2046			min	0	5	-0.002	18	0	4	0	4	0	4	0	4
2047		4	max	0.074	8	0.035	18	0	18	0	18	0	18	0.161	18
2048			min	0	5	0	4	0	4	0	4	0	4	0	4
2049		5	max	0	18	0.084	18	0	18	0	18	0	18	0	18
2050			min	0	4	0	4	0	4	0	4	0	4	0	4
2051	M465	1	max	0.275	8	0	17	0	18	0	18	0	18	0	18
2052			min	0	5	-0.082	18	0	4	0	4	0	4	0	4
2053		2	max	0.214	8	0	17	0	18	0	18	0	18	0.166	18
2054			min	0	5	-0.043	18	0	4	0	4	0	4	0	4
2055		3	max	0.152	8	0	17	0	18	0	18	0	18	0.226	18
2056			min	0	5	-0.003	18	0	4	0	4	0	4	0	4
2057		4	max	0.089	8	0.038	18	0	18	0	18	0	18	0.18	18
2058			min	0	5	0	4	0	4	0	4	0	4	0	4
2059		5	max	0	18	0.098	18	0	18	0	18	0	18	0	18
2060			min	0	4	0	4	0	4	0	4	0	4	0	4
2061	M466	1	max	0	18	1.088	8	0	17	0	18	0	18	0	18
2062			min	0	4	0	5	-0.53	18	0	4	0	4	0	4
2063		2	max	0	18	0.563	8	0	17	0	18	0	17	0	18
2064			min	0	4	0	5	-0.276	18	0	4	-1.316	18	-2.751	8
2065		3	max	0	18	0.04	8	0	17	0	18	0	17	0	18
2066			min	0	4	0	5	-0.014	18	0	4	-1.756	18	-3.654	8
2067		4	max	0	18	0	18	0.316	18	0	18	0	17	0	18
2068			min	0	4	-0.692	8	0	4	0	4	-1.32	18	-2.747	8
2069		5	max	0	18	0	18	0.552	18	0	18	0	18	0	18
2070			min	0	4	-1.14	8	0	4	0	4	0	4	0	4
2071	M467	1	max	14.525	13	0.001	8	0	18	0	18	0	18	0	18
2072			min	0	7	0	5	0	4	0	4	0	4	0	4
2073		2	max	14.605	13	0	8	0	18	0	18	0	18	0	18
2074			min	0	7	0	5	0	4	0	4	0	4	-0.003	8
2075		3	max	14.685	13	0	18	0	18	0	18	0	18	0	18
2076			min	0	7	0	4	0	4	0	4	0	4	-0.004	8
2077		4	max	14.765	13	0	18	0	18	0	18	0	18	0	18
2078			min	0	7	0	8	0	4	0	4	0	4	-0.003	8
2079		5	max	14.845	13	0	18	0	18	0	18	0	18	0	18
2080			min	0	7	-0.001	8	0	4	0	4	0	4	0	4
2081	M468	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2082			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2083		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2084			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2085		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2086			min	0	5	0	4	0	4	0	4	0	4	0	4
2087		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2088			min	0	5	0	4	0	4	0	4	0	4	0	4
2089		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2090			min	0	4	0	4	0	4	0	4	0	4	0	4
2091	M469	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2092			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2093		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2094			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2095		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2096			min	0	5	0	4	0	4	0	4	0	4	0	4
2097		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2098			min	0	5	0	4	0	4	0	4	0	4	0	4
2099		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
2100			min	0	4	0	4	0	4	0	4	0	4	0	4
2101	M470	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2102			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2103		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2104			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2105		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2106			min	0	5	0	4	0	4	0	4	0	4	0	4
2107		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2108			min	0	5	0	4	0	4	0	4	0	4	0	4
2109		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2110			min	0	4	0	4	0	4	0	4	0	4	0	4
2111	M471	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2112			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2113		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2114			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2115		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2116			min	0	5	0	4	0	4	0	4	0	4	0	4
2117		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2118			min	0	5	0	4	0	4	0	4	0	4	0	4
2119		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2120			min	0	4	0	4	0	4	0	4	0	4	0	4
2121	M472	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2122			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2123		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2124			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2125		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2126			min	0	5	0	4	0	4	0	4	0	4	0	4
2127		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2128			min	0	5	0	4	0	4	0	4	0	4	0	4
2129		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2130			min	0	4	0	4	0	4	0	4	0	4	0	4
2131	M473	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
2132			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
2133		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
2134			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
2135		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
2136			min	0	5	0	4	0	4	0	4	0	4	0	4
2137		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
2138			min	0	5	0	4	0	4	0	4	0	4	0	4
2139		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
2140			min	0	4	0	4	0	4	0	4	0	4	0	4
2141	M474	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
2142			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
2143		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
2144			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
2145		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
2146			min	0	5	0	4	0	4	0	4	0	4	0	4
2147		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
2148			min	0	5	0	4	0	4	0	4	0	4	0	4
2149		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
2150			min	0	4	0	4	0	4	0	4	0	4	0	4
2151	M475	1	max	0.246	8	0	17	0	18	0	18	0	18	0	18
2152			min	0	5	-0.08	18	0	4	0	4	0	4	0	4
2153		2	max	0.184	8	0	17	0	18	0	18	0	18	0.159	18
2154			min	0	5	-0.04	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
2155		3	max	0.123	8	0	18	0	18	0	18	0	18	0.212	18
2156			min	0	5	0	4	0	4	0	4	0	4	0	4
2157		4	max	0.061	8	0.04	18	0	18	0	18	0	18	0.159	18
2158			min	0	5	0	4	0	4	0	4	0	4	0	4
2159		5	max	0	18	0.08	18	0	18	0	18	0	18	0	18
2160			min	0	4	0	4	0	4	0	4	0	4	0	4
2161	M476	1	max	0.248	8	0	17	0	18	0	18	0	18	0	18
2162			min	0	5	-0.07	18	0	4	0	4	0	4	0	4
2163		2	max	0.195	8	0	17	0	18	0	18	0	18	0.142	18
2164			min	0	5	-0.037	18	0	4	0	4	0	4	0	4
2165		3	max	0.143	8	0	17	0	18	0	18	0	18	0.196	18
2166			min	0	5	-0.004	18	0	4	0	4	0	4	0	4
2167		4	max	0.089	8	0.031	18	0	18	0	18	0	18	0.161	18
2168			min	0	5	0	4	0	4	0	4	0	4	0	4
2169		5	max	0	18	0.091	18	0	18	0	18	0	18	0	18
2170			min	0	4	0	4	0	4	0	4	0	4	0	4
2171	M477	1	max	0.246	8	0	17	0	18	0	18	0	18	0	18
2172			min	0	5	-0.08	18	0	4	0	4	0	4	0	4
2173		2	max	0.184	8	0	17	0	18	0	18	0	18	0.159	18
2174			min	0	5	-0.04	18	0	4	0	4	0	4	0	4
2175		3	max	0.123	8	0	18	0	18	0	18	0	18	0.212	18
2176			min	0	5	0	4	0	4	0	4	0	4	0	4
2177		4	max	0.061	8	0.04	18	0	18	0	18	0	18	0.159	18
2178			min	0	5	0	4	0	4	0	4	0	4	0	4
2179		5	max	0	18	0.08	18	0	18	0	18	0	18	0	18
2180			min	0	4	0	4	0	4	0	4	0	4	0	4
2181	M478	1	max	0.209	8	0	17	0	18	0	18	0	18	0	18
2182			min	0	5	-0.066	18	0	4	0	4	0	4	0	4
2183		2	max	0.156	8	0	17	0	18	0	18	0	18	0.132	18
2184			min	0	5	-0.033	18	0	4	0	4	0	4	0	4
2185		3	max	0.104	8	0	18	0	18	0	18	0	18	0.176	18
2186			min	0	5	0	4	0	4	0	4	0	4	0	4
2187		4	max	0.052	8	0.033	18	0	18	0	18	0	18	0.132	18
2188			min	0	5	0	4	0	4	0	4	0	4	0	4
2189		5	max	0	18	0.066	18	0	18	0	18	0	18	0	18
2190			min	0	4	0	4	0	4	0	4	0	4	0	4
2191	M479	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2192			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2193		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2194			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2195		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2196			min	0	5	0	4	0	4	0	4	0	4	0	4
2197		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2198			min	0	5	0	4	0	4	0	4	0	4	0	4
2199		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2200			min	0	4	0	4	0	4	0	4	0	4	0	4
2201	M480	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2202			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2203		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2204			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2205		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2206			min	0	5	0	4	0	4	0	4	0	4	0	4
2207		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2208			min	0	5	0	4	0	4	0	4	0	4	0	4
2209		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
2210			min	0	4	0	4	0	4	0	4	0	4	0	4
2211	M481	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2212			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2213		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2214			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2215		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2216			min	0	5	0	4	0	4	0	4	0	4	0	4
2217		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2218			min	0	5	0	4	0	4	0	4	0	4	0	4
2219		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2220			min	0	4	0	4	0	4	0	4	0	4	0	4
2221	M482	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2222			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2223		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2224			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2225		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2226			min	0	5	0	4	0	4	0	4	0	4	0	4
2227		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2228			min	0	5	0	4	0	4	0	4	0	4	0	4
2229		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2230			min	0	4	0	4	0	4	0	4	0	4	0	4
2231	M483	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2232			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2233		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2234			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2235		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2236			min	0	5	0	4	0	4	0	4	0	4	0	4
2237		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2238			min	0	5	0	4	0	4	0	4	0	4	0	4
2239		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2240			min	0	4	0	4	0	4	0	4	0	4	0	4
2241	M484	1	max	0.22	8	0	17	0	18	0	18	0	18	0	18
2242			min	0	5	-0.071	18	0	4	0	4	0	4	0	4
2243		2	max	0.165	8	0	17	0	18	0	18	0	18	0.141	18
2244			min	0	5	-0.035	18	0	4	0	4	0	4	0	4
2245		3	max	0.11	8	0	18	0	18	0	18	0	18	0.188	18
2246			min	0	5	0	4	0	4	0	4	0	4	0	4
2247		4	max	0.055	8	0.035	18	0	18	0	18	0	18	0.141	18
2248			min	0	5	0	4	0	4	0	4	0	4	0	4
2249		5	max	0	18	0.071	18	0	18	0	18	0	18	0	18
2250			min	0	4	0	4	0	4	0	4	0	4	0	4
2251	M485	1	max	0	18	0	18	0.233	18	0	18	0	18	0	18
2252			min	0	4	0	4	0	4	0	4	0	4	0	4
2253		2	max	0	18	0	18	0.117	18	0	18	0.547	18	0	18
2254			min	0	4	0	4	0	4	0	4	0	4	0	4
2255		3	max	0	18	0	18	0	18	0	18	0.73	18	0	18
2256			min	0	4	0	4	0	4	0	4	0	4	0	4
2257		4	max	0	18	0	18	0	17	0	18	0.547	18	0	18
2258			min	0	4	0	4	-0.117	18	0	4	0	4	0	4
2259		5	max	0	18	0	18	0	17	0	18	0	18	0	18
2260			min	0	4	0	4	-0.233	18	0	4	0	4	0	4
2261	M486	1	max	0.407	8	0	17	0	18	0	18	0	18	0	18
2262			min	0	5	-0.131	18	0	4	0	4	0	4	0	4
2263		2	max	0.305	8	0	17	0	18	0	18	0	18	0.48	18
2264			min	0	5	-0.065	18	0	4	0	4	0	4	0	4

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
2265		3	max	0.204	8	0	18	0	18	0	18	0	18	0.64	18
2266			min	0	5	0	4	0	4	0	4	0	4	0	4
2267		4	max	0.102	8	0.065	18	0	18	0	18	0	18	0.48	18
2268			min	0	5	0	4	0	4	0	4	0	4	0	4
2269		5	max	0	18	0.131	18	0	18	0	18	0	18	0	18
2270			min	0	4	0	4	0	4	0	4	0	4	0	4
2271	M487	1	max	0.259	8	0	17	0	8	0	18	0	18	0.16	18
2272			min	0	5	-0.07	18	0	5	0	4	0	8	0	4
2273		2	max	0.194	8	0	17	0	8	0	18	0	18	0.314	18
2274			min	0	5	-0.029	18	0	5	0	4	0	8	0	4
2275		3	max	0.13	8	0.013	18	0	8	0	18	0	18	0.339	18
2276			min	0	5	0	4	0	5	0	4	0	8	0	4
2277		4	max	0.065	8	0.054	18	0	8	0	18	0	18	0.234	18
2278			min	0	5	0	4	0	5	0	4	0	8	0	4
2279		5	max	0	18	0.096	18	0	8	0	18	0	18	0	18
2280			min	0	4	0	4	0	5	0	4	0	4	0	4
2281	M488	1	max	0.408	8	0	17	0	18	0	18	0	18	0	18
2282			min	0	5	-0.131	18	0	4	0	4	0	4	0	4
2283		2	max	0.306	8	0	17	0	18	0	18	0	18	0.481	18
2284			min	0	5	-0.065	18	0	4	0	4	0	4	0	4
2285		3	max	0.204	8	0	18	0	18	0	18	0	18	0.642	18
2286			min	0	5	0	4	0	4	0	4	0	4	0	4
2287		4	max	0.102	8	0.065	18	0	18	0	18	0	18	0.481	18
2288			min	0	5	0	4	0	4	0	4	0	4	0	4
2289		5	max	0	18	0.131	18	0	18	0	18	0	18	0	18
2290			min	0	4	0	4	0	4	0	4	0	4	0	4
2291	M489	1	max	0.328	8	0	17	0	18	0	18	0	18	0	18
2292			min	0	5	-0.102	18	0	4	0	4	0	4	0	4
2293		2	max	0.246	8	0	17	0	18	0	18	0	18	0.376	18
2294			min	0	5	-0.051	18	0	4	0	4	0	4	0	4
2295		3	max	0.164	8	0	18	0	18	0	18	0	18	0.502	18
2296			min	0	5	0	4	0	4	0	4	0	4	0	4
2297		4	max	0.082	8	0.051	18	0	18	0	18	0	18	0.376	18
2298			min	0	5	0	4	0	4	0	4	0	4	0	4
2299		5	max	0	18	0.102	18	0	18	0	18	0	18	0	18
2300			min	0	4	0	4	0	4	0	4	0	4	0	4
2301	M490	1	max	0.145	8	0	17	0	18	0	18	0	18	0	18
2302			min	0	5	-0.037	18	0	4	0	4	0	4	0	4
2303		2	max	0.109	8	0	17	0	18	0	18	0	18	0.136	18
2304			min	0	5	-0.018	18	0	4	0	4	0	4	0	4
2305		3	max	0.072	8	0	18	0	18	0	18	0	18	0.181	18
2306			min	0	5	0	4	0	4	0	4	0	4	0	4
2307		4	max	0.036	8	0.018	18	0	18	0	18	0	18	0.136	18
2308			min	0	5	0	4	0	4	0	4	0	4	0	4
2309		5	max	0	18	0.037	18	0	18	0	18	0	18	0	18
2310			min	0	4	0	4	0	4	0	4	0	4	0	4
2311	M491	1	max	0	18	0	18	0.05	18	0	18	0	18	0	18
2312			min	0	4	0	4	0	4	0	4	0	4	0	4
2313		2	max	0	18	0	18	0.025	18	0	18	0.031	18	0	18
2314			min	0	4	0	4	0	4	0	4	0	4	0	4
2315		3	max	0	18	0	18	0	18	0	18	0.041	18	0	18
2316			min	0	4	0	4	0	4	0	4	0	4	0	4
2317		4	max	0	18	0	18	0	17	0	18	0.031	18	0	18
2318			min	0	4	0	4	-0.025	18	0	4	0	4	0	4
2319		5	max	0	18	0	18	0	17	0	18	0	18	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
2320			min	0	4	0	4	-0.05	18	0	4	0	4	0	4
2321	M492	1	max	0	18	0	18	0.233	18	0	18	0	18	0	18
2322			min	0	4	0	4	0	4	0	4	0	4	0	4
2323		2	max	0	18	0	18	0.117	18	0	18	0.547	18	0	18
2324			min	0	4	0	4	0	4	0	4	0	4	0	4
2325		3	max	0	18	0	18	0	18	0	18	0.729	18	0	18
2326			min	0	4	0	4	0	4	0	4	0	4	0	4
2327		4	max	0	18	0	18	0	17	0	18	0.547	18	0	18
2328			min	0	4	0	4	-0.117	18	0	4	0	4	0	4
2329		5	max	0	18	0	18	0	17	0	18	0	18	0	18
2330			min	0	4	0	4	-0.233	18	0	4	0	4	0	4
2331	M493	1	max	0	18	0	18	0.291	18	0	18	0	18	0	18
2332			min	0	4	0	4	0	4	0	4	0	4	0	4
2333		2	max	0	18	0	18	0.145	18	0	18	0.848	18	0	18
2334			min	0	4	0	4	0	4	0	4	0	4	0	4
2335		3	max	0	18	0	18	0	18	0	18	1.131	18	0	18
2336			min	0	4	0	4	0	4	0	4	0	4	0	4
2337		4	max	0	18	0	18	0	17	0	18	0.848	18	0	18
2338			min	0	4	0	4	-0.145	18	0	4	0	4	0	4
2339		5	max	0	18	0	18	0	17	0	18	0	18	0	18
2340			min	0	4	0	4	-0.291	18	0	4	0	4	0	4
2341	M494	1	max	0	18	0	18	0.13	18	0	18	0	18	0	18
2342			min	0	4	0	4	0	4	0	4	0	4	0	4
2343		2	max	0	18	0	18	0.065	18	0	18	0.17	18	0	18
2344			min	0	4	0	4	0	4	0	4	0	4	0	4
2345		3	max	0	18	0	18	0	18	0	18	0.226	18	0	18
2346			min	0	4	0	4	0	4	0	4	0	4	0	4
2347		4	max	0	18	0	18	0	17	0	18	0.17	18	0	18
2348			min	0	4	0	4	-0.065	18	0	4	0	4	0	4
2349		5	max	0	18	0	18	0	17	0	18	0	18	0	18
2350			min	0	4	0	4	-0.13	18	0	4	0	4	0	4
2351	M496	1	max	0.023	13	2.005	13	0	18	0.234	13	0	18	0	18
2352			min	0	7	0	7	-0.002	13	0	7	0	4	0	4
2353		2	max	0	18	1.099	13	0	18	0.491	13	0	18	0	18
2354			min	-0.01	13	0	7	0	4	0	7	-0.057	13	-10.822	13
2355		3	max	0	18	0	13	0	18	0.491	13	0	18	0	18
2356			min	-0.01	13	0	7	0	4	0	7	-0.057	13	-14.394	13
2357		4	max	0	18	0	18	0	18	0.491	13	0	18	0	18
2358			min	-0.01	13	-1.098	13	0	4	0	7	-0.057	13	-10.824	13
2359		5	max	0.023	13	0	18	0.002	13	0.748	13	0	18	0	18
2360			min	0	7	-2.005	13	0	7	0	7	0	4	0	4
2361	M497	1	max	0	18	0	18	0	18	0	18	0.089	13	0.085	13
2362			min	-0.057	13	-0.216	13	-0.009	13	0	13	0	7	0	7
2363		2	max	0	18	0	18	0	18	0	18	0	18	0.209	13
2364			min	-0.057	13	-0.142	13	-0.009	13	0	13	-0.048	13	0	7
2365		3	max	0	18	0	18	0	18	0	18	0	18	0.256	13
2366			min	-0.057	13	-0.001	13	-0.009	13	0	13	-0.109	13	0	7
2367		4	max	0	18	0.14	13	0	18	0	18	0	18	0.196	13
2368			min	-0.057	13	0	7	-0.009	13	0	13	-0.063	13	0	7
2369		5	max	0	18	0.215	13	0	18	0	18	0.06	13	0.06	13
2370			min	-0.057	13	0	7	-0.009	13	0	13	0	7	0	7
2371	M498	1	max	0	18	0	18	0.009	13	0	13	0.06	13	0.06	13
2372			min	-0.057	13	-0.215	13	0	7	0	7	0	7	0	7
2373		2	max	0	18	0	18	0.009	13	0	13	0	18	0.196	13
2374			min	-0.057	13	-0.14	13	0	7	0	7	-0.063	13	0	7

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
2375		3	max	0	18	0.001	13	0.009	13	0	13	0	18	0.256	13
2376			min	-0.057	13	0	7	0	7	0	7	-0.109	13	0	7
2377		4	max	0	18	0.142	13	0.009	13	0	13	0	18	0.209	13
2378			min	-0.057	13	0	7	0	7	0	7	-0.048	13	0	7
2379		5	max	0	18	0.216	13	0.009	13	0	13	0.089	13	0.085	13
2380			min	-0.057	13	0	7	0	7	0	7	0	7	0	7
2381	M499	1	max	0	18	3.283	13	0.001	13	0	18	0	18	0	18
2382			min	-0.003	13	0	7	0	7	0	4	0	4	0	4
2383		2	max	0	18	1.633	13	0.001	13	0	18	0.009	13	0	18
2384			min	-0.003	13	0	7	0	7	0	4	0	7	-15.974	13
2385		3	max	0	18	0.001	17	0.001	13	0	18	0.018	13	0	18
2386			min	-0.003	13	-0.021	8	0	7	0	4	0	7	-21.229	13
2387		4	max	0	18	0	18	0.001	13	0	18	0.028	13	0	18
2388			min	-0.003	13	-1.666	13	0	7	0	4	0	7	-15.763	13
2389		5	max	0.016	13	0	18	0.009	13	0	18	0	18	0	18
2390			min	0	7	-2.783	13	0	7	-0.314	13	0	4	0	4
2391	M500	1	max	0	18	1.056	8	0	17	0	18	0	18	0	18
2392			min	0	4	0	5	-0.527	18	0	4	0	4	0	4
2393		2	max	0	18	0.57	8	0	17	0	18	0	17	0	18
2394			min	0	4	0	5	-0.277	18	0	4	-1.313	18	-2.721	8
2395		3	max	0	18	0.047	8	0	17	0	18	0	17	0	18
2396			min	0	4	0	5	-0.014	18	0	4	-1.755	18	-3.646	8
2397		4	max	0	18	0	18	0.315	18	0	18	0	17	0	18
2398			min	0	4	-0.685	8	0	4	0	4	-1.32	18	-2.759	8
2399		5	max	0	18	0	18	0.514	18	0	18	0	18	0	18
2400			min	0	4	-1.029	8	0	4	0	4	0	4	0	4
2401	M501	1	max	0	18	3.279	13	0	18	0	18	0	18	0	18
2402			min	-0.005	13	0	7	-0.002	13	0	4	0	4	0	4
2403		2	max	0	18	1.629	13	0	18	0	18	0	18	0	18
2404			min	-0.005	13	0	7	-0.002	13	0	4	-0.015	13	-15.948	13
2405		3	max	0	18	0	17	0	18	0	18	0	18	0	18
2406			min	-0.005	13	-0.024	8	-0.002	13	0	4	-0.029	13	-21.177	13
2407		4	max	0	18	0	18	0	18	0	18	0	18	0	18
2408			min	-0.005	13	-1.67	13	-0.002	13	0	4	-0.044	13	-15.685	13
2409		5	max	0.028	13	0	18	0	13	0.259	13	0	18	0	18
2410			min	0	7	-2.823	13	0	7	0	7	0	4	0	4
2411	M502	1	max	0.002	13	0	18	0.029	13	0	18	0.144	13	0	18
2412			min	0	7	-0.21	13	0	7	0	4	0	7	-0.144	13
2413		2	max	0.002	13	0	18	0.029	13	0	18	0	18	0.059	13
2414			min	0	7	-0.153	13	0	7	0	4	-0.006	13	0	7
2415		3	max	0.002	13	0	18	0.029	13	0	18	0	18	0.161	13
2416			min	0	7	-0.008	13	0	7	0	4	-0.054	13	0	7
2417		4	max	0.002	13	0.057	13	0.029	13	0	18	0.004	13	0.156	13
2418			min	0	7	0	7	0	7	0	4	0	7	0	7
2419		5	max	0	18	0.307	13	0	18	0	18	0.184	13	0	18
2420			min	-0.008	13	0	7	-0.023	13	0	4	0	7	-0.184	13
2421	M503	1	max	0	18	0	18	0.123	13	0	18	0.11	13	0	18
2422			min	0	13	-0.317	13	0	7	-0.002	13	0	7	-0.317	13
2423		2	max	0	18	0	18	0	18	0.001	13	0.021	13	0.132	13
2424			min	0	13	-0.058	13	-0.045	13	0	7	0	7	0	7
2425		3	max	0	18	0.007	13	0	18	0.001	13	0	18	0.123	13
2426			min	0	13	0	7	-0.045	13	0	7	-0.053	13	0	7
2427		4	max	0	18	0.152	13	0	18	0.001	13	0	18	0.006	13
2428			min	0	13	0	7	-0.045	13	0	7	-0.021	13	0	7
2429		5	max	0	18	0.209	13	0	18	0.001	13	0.112	13	0	18

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
2430			min	0	13	0	7	-0.045	13	0	7	0	7	-0.21	13
2431	M504	1	max	0	18	0	18	0.045	13	0	18	0.112	13	0	18
2432			min	0	13	-0.209	13	0	7	-0.001	13	0	7	-0.21	13
2433		2	max	0	18	0	18	0.045	13	0	18	0	18	0.006	13
2434			min	0	13	-0.152	13	0	7	-0.001	13	-0.021	13	0	7
2435		3	max	0	18	0	18	0.045	13	0	18	0	18	0.123	13
2436			min	0	13	-0.007	13	0	7	-0.001	13	-0.053	13	0	7
2437		4	max	0	18	0.058	13	0.045	13	0	18	0.021	13	0.132	13
2438			min	0	13	0	7	0	7	-0.001	13	0	7	0	7
2439		5	max	0	18	0.317	13	0	18	0.002	13	0.11	13	0	18
2440			min	0	13	0	7	-0.123	13	0	7	0	7	-0.317	13
2441	M505	1	max	59.807	13	0	17	0	18	0	18	0	18	0	18
2442			min	0	7	-0.56	18	0	4	0	4	0	4	0	4
2443		2	max	59.731	13	0	17	0	18	0	18	0	18	2.274	18
2444			min	0	7	-0.56	18	0	4	0	4	0	4	0	5
2445		3	max	59.654	13	0	17	0	18	0	18	0	18	4.548	18
2446			min	0	7	-0.56	18	0	4	0	4	0	4	0	5
2447		4	max	57.391	13	0.691	18	0	18	0	18	0	18	2.897	18
2448			min	0	7	0	5	0	4	0	4	0	4	0	5
2449		5	max	57.259	13	0.737	18	0	18	0	18	0	18	0	18
2450			min	0	7	0	5	0	4	0	4	0	4	0	4
2451	M506	1	max	39.37	13	0	18	0	18	0	18	0	18	0	18
2452			min	0	7	0	4	0	4	0	4	0	4	0	4
2453		2	max	39.294	13	0	18	0	18	0	18	0	18	0	18
2454			min	0	7	0	4	0	4	0	4	0	4	0	4
2455		3	max	39.217	13	0	18	0	18	0	18	0	18	0	18
2456			min	0	7	0	4	0	4	0	4	0	4	0	4
2457		4	max	39.14	13	0	18	0	18	0	18	0	18	0	18
2458			min	0	7	0	4	0	4	0	4	0	4	0	4
2459		5	max	39.064	13	0	18	0	18	0	18	0	18	0	18
2460			min	0	7	0	4	0	4	0	4	0	4	0	4
2461	M507	1	max	47.936	13	0	17	0	18	0	18	0	18	0	18
2462			min	0	7	-0.523	18	0	4	0	4	0	4	0	4
2463		2	max	47.856	13	0	17	0	18	0	18	0	18	2.216	18
2464			min	0	7	-0.523	18	0	4	0	4	0	4	0	5
2465		3	max	47.776	13	0	17	0	18	0	18	0	18	4.431	18
2466			min	0	7	-0.523	18	0	4	0	4	0	4	0	5
2467		4	max	45.803	13	0.586	18	0	18	0	18	0	18	2.643	18
2468			min	0	7	0	5	0	4	0	4	0	4	0	5
2469		5	max	45.637	13	0.658	18	0	18	0	18	0	18	0	18
2470			min	0	7	0	5	0	4	0	4	0	4	0	4
2471	M508	1	max	0	18	1.353	8	0	17	0	18	0	18	0	18
2472			min	0	4	0	5	-0.669	18	0	4	0	4	0	4
2473		2	max	0	18	0.826	8	0	17	0	18	0	17	0	18
2474			min	0	4	0	5	-0.382	18	0	4	-2.052	18	-4.26	8
2475		3	max	0	18	0.077	8	0	17	0	18	0	17	0	18
2476			min	0	4	0	5	-0.024	18	0	4	-2.735	18	-5.681	8
2477		4	max	0	18	0	18	0.333	18	0	18	0	17	0	18
2478			min	0	4	-0.671	8	0	4	0	4	-2.048	18	-4.26	8
2479		5	max	0	18	0	18	0.684	18	0	18	0	18	0	18
2480			min	0	4	-1.419	8	0	5	0	4	0	4	0	4
2481	M509	1	max	0	18	1.084	8	0	17	0	18	0	18	0	18
2482			min	0	4	0	5	-0.532	18	0	4	0	4	0	4
2483		2	max	0	18	0.552	8	0	17	0	18	0	17	0	18
2484			min	0	4	0	5	-0.272	18	0	4	-1.317	18	-2.74	8

Envelope Member Section Forces (Continued)

	Member	Sec		Axial[k]	LC	y Shear[k]	LC	z Shear[k]	LC	Torque[k-ft]	LC	y-y Moment[k-ft]	LC	z-z Moment[k-ft]	LC
2485		3	max	0	18	0.042	8	0	17	0	18	0	17	0	18
2486			min	0	4	0	5	-0.014	18	0	4	-1.759	18	-3.653	8
2487		4	max	0	18	0	18	0.315	18	0	18	0	17	0	18
2488			min	0	4	-0.688	8	0	4	0	4	-1.324	18	-2.754	8
2489		5	max	0	18	0	18	0.552	18	0	18	0	18	0	18
2490			min	0	4	-1.139	8	0	4	0	4	0	4	0	4
2491	M510	1	max	2.355	13	0	18	0	18	0	18	0	18	0	18
2492			min	0	7	0	4	0	4	0	4	0	4	0	4
2493		2	max	2.292	13	0	18	0	18	0	18	0	18	0	18
2494			min	0	7	0	4	0	4	0	4	0	4	0	4
2495		3	max	2.23	13	0	18	0	18	0	18	0	18	0	18
2496			min	0	7	0	4	0	4	0	4	0	4	0	4
2497		4	max	2.167	13	0	18	0	18	0	18	0	18	0	18
2498			min	0	7	0	4	0	4	0	4	0	4	0	4
2499		5	max	2.104	13	0	18	0	18	0	18	0	18	0	18
2500			min	0	7	0	4	0	4	0	4	0	4	0	4
2501	M511	1	max	2.355	13	0	18	0	18	0	18	0	18	0	18
2502			min	0	7	0	4	0	4	0	4	0	4	0	4
2503		2	max	2.292	13	0	18	0	18	0	18	0	18	0	18
2504			min	0	7	0	4	0	4	0	4	0	4	0	4
2505		3	max	2.23	13	0	18	0	18	0	18	0	18	0	18
2506			min	0	7	0	4	0	4	0	4	0	4	0	4
2507		4	max	2.167	13	0	18	0	18	0	18	0	18	0	18
2508			min	0	7	0	4	0	4	0	4	0	4	0	4
2509		5	max	2.104	13	0	18	0	18	0	18	0	18	0	18
2510			min	0	7	0	4	0	4	0	4	0	4	0	4
2511	M512	1	max	0	18	2.6	13	0	18	0	18	0	18	0	18
2512			min	0	4	0	7	0	4	0	4	0	4	0	4
2513		2	max	0	18	1.426	13	0	18	0	18	0	18	0	18
2514			min	0	4	0	7	0	4	0	4	0	4	-9.075	13
2515		3	max	0	18	0	18	0	18	0	18	0	18	0	18
2516			min	0	4	-0.076	13	0	4	0	4	0	4	-11.94	13
2517		4	max	0	18	0	18	0	18	0	18	0	18	0	18
2518			min	0	4	-1.577	13	0	4	0	4	0	4	-8.431	13
2519		5	max	0	18	0	18	0	18	0	18	0	18	0	18
2520			min	0	4	-2.104	13	0	4	0	4	0	4	0	4

Envelope Member Section Deflections - Service

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1	M5	1	max	0	4	0	7	0	7	0	7	NC	7	NC	7
2			min	-0.001	7	-0.081	6	0	4	0	4	NC	4	NC	4
3		2	max	0	4	0	7	0	7	0	7	NC	7	NC	7
4			min	0	7	-1.75	6	0	4	0	4	268.616	6	NC	4
5		3	max	0	4	0	7	0	7	0	7	NC	7	NC	7
6			min	0	7	-2.402	6	0	4	0	4	192.527	6	NC	4
7		4	max	0	4	0	7	0	7	0	7	NC	7	NC	7
8			min	0	7	-1.704	6	0	4	0	4	272.011	6	NC	4
9		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
10			min	0	4	-0.031	6	0	4	0	4	NC	4	NC	4
11	M6	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
12			min	0	4	0	4	0	4	0	4	NC	4	NC	4
13		2	max	0	7	0.208	7	0	7	0	7	NC	6	NC	7
14			min	-0.021	6	0	4	0	4	0	4	937.84	7	NC	4
15		3	max	0	7	0.311	7	0	7	0	7	NC	6	NC	7
16			min	-0.041	6	0	4	0	4	0	4	626.786	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
17		4	max	0	7	0.222	7	0	7	0	7	NC	6	NC	7
18			min	-0.061	6	0	4	0	4	0	4	878.702	7	NC	4
19		5	max	0	7	0.001	7	0	7	0	7	NC	7	NC	7
20			min	-0.081	6	0	4	0	4	0	4	NC	4	NC	4
21	M7	1	max	0.001	7	0	7	0	7	0	7	NC	7	NC	7
22			min	0	4	-0.081	6	0	4	0	4	NC	4	NC	4
23		2	max	0.001	7	0	7	0	7	0	7	NC	7	NC	7
24			min	0	4	-0.148	6	0	4	0	4	2160.753	6	NC	4
25		3	max	0.001	7	0	7	0	7	0	7	NC	7	NC	7
26			min	0	4	-0.167	6	0	4	0	4	1549.319	6	NC	4
27		4	max	0.001	7	0	7	0	7	0	7	NC	7	NC	7
28			min	0	4	-0.122	6	0	4	0	4	2190.961	6	NC	4
29		5	max	0.001	7	0	7	0	7	0	7	NC	7	NC	7
30			min	0	4	-0.03	6	0	4	0	4	NC	4	NC	4
31	M8	1	max	0.03	6	0	4	0	7	0	7	NC	7	NC	7
32			min	0	7	-0.001	7	0	4	0	4	NC	4	NC	4
33		2	max	0.023	6	0	5	0	7	0	7	NC	7	NC	7
34			min	0	7	0	6	0	4	0	4	NC	4	NC	4
35		3	max	0.015	6	0	5	0	7	0	7	NC	7	NC	7
36			min	0	7	0	6	0	4	0	4	NC	4	NC	4
37		4	max	0.008	6	0	5	0	7	0	7	NC	7	NC	7
38			min	0	7	0	6	0	4	0	4	NC	4	NC	4
39		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
40			min	0	4	0	4	0	4	0	4	NC	4	NC	4
41	M9	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
42			min	0	4	0	4	0	4	0	4	NC	4	NC	4
43		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
44			min	-0.008	6	0	4	0	4	0	4	NC	4	NC	4
45		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
46			min	-0.015	6	0	4	0	4	0	4	NC	4	NC	4
47		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
48			min	-0.023	6	0	4	0	4	0	4	NC	4	NC	4
49		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
50			min	-0.031	6	0	4	0	4	0	4	NC	4	NC	4
51	M10	1	max	0	4	0	7	0	7	0	7	NC	7	NC	7
52			min	0	7	-0.07	6	0	4	0	4	NC	4	NC	4
53		2	max	0	4	0	7	0	7	0	7	NC	7	NC	7
54			min	0	7	-1.449	6	0	4	0	4	325.217	6	NC	4
55		3	max	0	4	0	7	0	7	0	7	NC	7	NC	7
56			min	0	7	-1.992	6	0	4	0	4	232.522	6	NC	4
57		4	max	0	4	0	7	0	7	0	7	NC	7	NC	7
58			min	0	7	-1.41	6	0	4	0	4	329.328	6	NC	4
59		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
60			min	0	4	-0.028	6	0	4	0	4	NC	4	NC	4
61	M11	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
62			min	0	4	0	4	0	4	0	4	NC	4	NC	4
63		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
64			min	-0.007	6	0	4	0	4	0	4	NC	4	NC	4
65		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
66			min	-0.014	6	0	4	0	4	0	4	NC	4	NC	4
67		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
68			min	-0.021	6	0	4	0	4	0	4	NC	4	NC	4
69		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
70			min	-0.028	6	0	4	0	4	0	4	NC	4	NC	4
71	M12	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
72			min	0	4	0	4	0	4	0	4	NC	4	NC	4
73		2	max	0	7	0.216	7	0	7	0	7	NC	6	NC	7
74			min	-0.018	6	0	4	0	4	0	4	944.172	7	NC	4
75		3	max	0	7	0.32	7	0	7	0	7	NC	6	NC	7
76			min	-0.036	6	0	4	0	4	0	4	636.304	7	NC	4
77		4	max	0	7	0.226	7	0	7	0	7	NC	6	NC	7
78			min	-0.053	6	0	4	0	4	0	4	901.767	7	NC	4
79		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
80			min	-0.07	6	0	4	0	4	0	4	NC	4	NC	4
81	M13	1	max	0.018	6	0	4	0	7	0	7	NC	7	NC	7
82			min	0	7	0	7	0	4	0	4	NC	4	NC	4
83		2	max	0.014	6	0	5	0	7	0	7	NC	7	NC	7
84			min	0	7	0	6	0	4	0	4	NC	4	NC	4
85		3	max	0.009	6	0	5	0	7	0	7	NC	7	NC	7
86			min	0	7	0	6	0	4	0	4	NC	4	NC	4
87		4	max	0.005	6	0	5	0	7	0	7	NC	7	NC	7
88			min	0	7	0	6	0	4	0	4	NC	4	NC	4
89		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
90			min	0	4	0	4	0	4	0	4	NC	4	NC	4
91	M14	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
92			min	0	4	-0.07	6	0	4	0	4	NC	4	NC	4
93		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
94			min	0	4	-0.235	6	0	4	0	4	968.11	6	NC	4
95		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
96			min	0	4	-0.294	6	0	4	0	4	689.355	6	NC	4
97		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
98			min	0	4	-0.209	6	0	4	0	4	966.55	6	NC	4
99		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
100			min	0	4	-0.018	6	0	4	0	4	NC	4	NC	4
101	M15	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
102			min	0	4	0	4	0	4	0	4	NC	4	NC	4
103		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
104			min	-0.007	6	0	4	0	4	0	4	NC	4	NC	4
105		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
106			min	-0.015	6	0	4	0	4	0	4	NC	4	NC	4
107		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
108			min	-0.022	6	0	4	0	4	0	4	NC	4	NC	4
109		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
110			min	-0.029	6	0	4	0	4	0	4	NC	4	NC	4
111	M16	1	max	0	4	0	7	0	7	0	7	NC	7	NC	7
112			min	0	7	-0.074	6	0	4	0	4	NC	4	NC	4
113		2	max	0	4	0	7	0	7	0	7	NC	7	NC	7
114			min	0	7	-1.564	6	0	4	0	4	301.032	6	NC	4
115		3	max	0	4	0	7	0	7	0	7	NC	7	NC	7
116			min	0	7	-2.145	6	0	4	0	4	215.803	6	NC	4
117		4	max	0	4	0	7	0	7	0	7	NC	7	NC	7
118			min	0	7	-1.512	6	0	4	0	4	307.094	6	NC	4
119		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
120			min	0	4	-0.029	6	0	4	0	4	NC	4	NC	4
121	M17	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
122			min	0	4	0	4	0	4	0	4	NC	4	NC	4
123		2	max	0	7	0.162	7	0	7	0	7	NC	6	NC	7
124			min	-0.019	6	0	4	0	4	0	4	1259.694	7	NC	4
125		3	max	0	7	0.24	7	0	7	0	7	NC	6	NC	7
126			min	-0.038	6	0	4	0	4	0	4	849.772	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
127		4	max	0	7	0.169	7	0	7	0	7	NC	6	NC	7
128			min	-0.056	6	0	4	0	4	0	4	1207.391	7	NC	4
129		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
130			min	-0.074	6	0	4	0	4	0	4	NC	4	NC	4
131	M18	1	max	0.021	6	0	4	0	7	0	7	NC	7	NC	7
132			min	0	7	0	7	0	4	0	4	NC	4	NC	4
133		2	max	0.016	6	0	5	0	7	0	7	NC	7	NC	7
134			min	0	7	0	6	0	4	0	4	NC	4	NC	4
135		3	max	0.011	6	0	5	0	7	0	7	NC	7	NC	7
136			min	0	7	-0.001	6	0	4	0	4	NC	4	NC	4
137		4	max	0.005	6	0	5	0	7	0	7	NC	7	NC	7
138			min	0	7	0	6	0	4	0	4	NC	4	NC	4
139		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
140			min	0	4	0	4	0	4	0	4	NC	4	NC	4
141	M19	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
142			min	0	4	-0.074	6	0	4	0	4	NC	4	NC	4
143		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
144			min	0	4	-0.254	6	0	4	0	4	891.325	6	NC	4
145		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
146			min	0	4	-0.322	6	0	4	0	4	628.271	6	NC	4
147		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
148			min	0	4	-0.233	6	0	4	0	4	866.677	6	NC	4
149		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
150			min	0	4	-0.021	6	0	4	0	4	NC	4	NC	4
151	M38	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
152			min	0	4	0	4	0	4	0	4	NC	4	NC	4
153		2	max	0	7	0.154	7	0	7	0	7	NC	6	NC	7
154			min	0	4	0	4	0	4	0	4	1528.849	7	NC	4
155		3	max	0	7	0.216	7	0	7	0	7	NC	6	NC	7
156			min	-0.001	4	0	4	0	4	0	4	1089.305	7	NC	4
157		4	max	0	7	0.154	7	0	7	0	7	NC	6	NC	7
158			min	-0.001	4	0	4	0	4	0	4	1528.849	7	NC	4
159		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
160			min	-0.002	4	0	4	0	4	0	4	NC	4	NC	4
161	M39	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
162			min	0	4	0	4	0	4	0	4	NC	4	NC	4
163		2	max	0	7	0.306	7	0	7	0	7	NC	6	NC	7
164			min	-0.001	4	0	4	0	4	0	4	768.517	7	NC	4
165		3	max	0	7	0.43	7	0	7	0	7	NC	6	NC	7
166			min	-0.001	4	0	4	0	4	0	4	547.569	7	NC	4
167		4	max	0	7	0.306	7	0	7	0	7	NC	6	NC	7
168			min	-0.002	4	0	4	0	4	0	4	768.517	7	NC	4
169		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
170			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
171	M40	1	max	0	7	0	7	0	6	0	6	NC	7	NC	7
172			min	0	4	-0.003	4	-0.498	7	-0.001	7	NC	4	NC	4
173		2	max	0	7	0	7	0	6	0	6	NC	7	NC	7
174			min	0	4	-0.016	4	-0.512	7	-0.001	7	6152.242	4	NC	4
175		3	max	0	7	0	7	0	6	0	6	NC	7	NC	7
176			min	0	4	-0.022	4	-0.524	7	-0.001	7	4388.056	4	NC	4
177		4	max	0	7	0	7	0	6	0	6	NC	7	NC	7
178			min	0	4	-0.016	4	-0.53	7	-0.001	7	6162.603	4	NC	4
179		5	max	0	7	0	7	0	6	0	6	NC	7	NC	7
180			min	0	4	-0.003	4	-0.534	7	-0.001	7	NC	4	NC	4
181	M41	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
182			min	0	4	0	4	0	4	0	4	NC	4	NC	4
183		2	max	0	7	0.376	7	0	7	0	7	NC	6	NC	7
184			min	-0.001	4	0	4	0	4	0	4	625.83	7	NC	4
185		3	max	0	7	0.537	7	0	7	0	7	NC	6	NC	7
186			min	-0.003	4	0	4	0	4	0	4	438.181	7	NC	4
187		4	max	0	7	0.371	7	0	7	0	7	NC	6	NC	7
188			min	-0.003	4	0	4	0	4	0	4	634.197	7	NC	4
189		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
190			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
191	M42	1	max	0	7	0.532	7	0	7	0	7	NC	7	NC	7
192			min	-0.014	4	0	4	0	4	0	4	NC	4	NC	4
193		2	max	0	7	0.425	7	0	7	0	7	NC	6	NC	7
194			min	-0.014	4	0	4	0	4	0	4	4806.159	7	NC	4
195		3	max	0	7	0.303	7	0	7	0	7	NC	6	NC	7
196			min	-0.014	4	0	4	0	4	0	4	3424.388	7	NC	4
197		4	max	0	7	0.159	7	0	7	0	7	NC	6	NC	7
198			min	-0.014	4	0	4	0	4	0	4	4806.159	7	NC	4
199		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
200			min	-0.014	4	0	4	0	4	0	4	NC	4	NC	4
201	M43	1	max	0	7	0.527	7	0	7	0	7	NC	7	NC	7
202			min	-0.021	4	0	4	0	4	0	4	NC	4	NC	4
203		2	max	0	7	0.422	7	0	7	0	7	NC	6	NC	7
204			min	-0.021	4	0	4	0	4	0	4	4806.159	7	NC	4
205		3	max	0	7	0.301	7	0	7	0	7	NC	6	NC	7
206			min	-0.021	4	0	4	0	4	0	4	3424.388	7	NC	4
207		4	max	0	7	0.158	7	0	7	0	7	NC	6	NC	7
208			min	-0.021	4	0	4	0	4	0	4	4806.159	7	NC	4
209		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
210			min	-0.021	4	0	4	0	4	0	4	NC	4	NC	4
211	M44	1	max	0	7	0.521	7	0	7	0.001	7	NC	7	NC	7
212			min	-0.021	4	0	4	0	4	0	4	NC	4	NC	4
213		2	max	0	7	0.417	7	0	7	0.001	7	NC	6	NC	7
214			min	-0.021	4	0	4	0	4	0	4	4806.159	7	NC	4
215		3	max	0	7	0.298	7	0	7	0.001	7	NC	6	NC	7
216			min	-0.022	4	0	4	0	4	0	4	3424.388	7	NC	4
217		4	max	0	7	0.157	7	0	7	0.001	7	NC	6	NC	7
218			min	-0.022	4	0	4	0	4	0	4	4806.159	7	NC	4
219		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
220			min	-0.022	4	0	4	0	4	0	4	NC	4	NC	4
221	M45	1	max	0	7	0.511	7	0	7	0.001	7	NC	7	NC	7
222			min	-0.016	4	0	4	0	4	0	4	NC	4	NC	4
223		2	max	0	7	0.41	7	0	7	0.001	7	NC	6	NC	7
224			min	-0.016	4	0	4	0	4	0	4	4784.924	7	NC	4
225		3	max	0	7	0.293	7	0	7	0.001	7	NC	6	NC	7
226			min	-0.016	4	0	4	0	4	0	4	3414.781	7	NC	4
227		4	max	0	7	0.154	7	0	7	0.001	7	NC	6	NC	7
228			min	-0.016	4	0	4	0	4	0	4	4791.301	7	NC	4
229		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
230			min	-0.016	4	0	4	0	4	0	4	NC	4	NC	4
231	M46	1	max	0	7	0.5	7	0	7	0.001	7	NC	7	NC	7
232			min	-0.005	4	0	4	0	4	0	4	NC	4	NC	4
233		2	max	0	7	0.391	7	0	7	0.001	7	NC	6	NC	7
234			min	-0.005	4	0	4	0	4	0	4	7916.623	7	NC	4
235		3	max	0	7	0.273	7	0	7	0.001	7	NC	6	NC	7
236			min	-0.006	4	0	4	0	4	0	4	5637.131	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
237		4	max	0	7	0.141	7	0	7	0.001	7	NC	6	NC	7
238			min	-0.006	4	0	4	0	4	0	4	7912.93	7	NC	4
239		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
240			min	-0.006	4	0	4	0	4	0	4	NC	4	NC	4
241	M47	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
242			min	0	4	0	4	0	4	0	4	NC	4	NC	4
243		2	max	0	7	0.352	7	0	7	0	7	NC	6	NC	7
244			min	-0.001	4	0	4	0	4	0	4	669.023	7	NC	4
245		3	max	0	7	0.5	7	0	7	0	7	NC	6	NC	7
246			min	-0.003	4	0	4	0	4	0	4	471.109	7	NC	4
247		4	max	0	7	0.341	7	0	7	0	7	NC	6	NC	7
248			min	-0.003	4	0	4	0	4	0	4	691.158	7	NC	4
249		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
250			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
251	M48	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
252			min	0	4	0	4	0	4	0	4	NC	4	NC	4
253		2	max	0	7	0.719	7	0	7	0	7	NC	6	NC	7
254			min	-0.003	6	0	5	0	4	0	4	327.342	7	NC	4
255		3	max	0	7	1.025	7	0	7	0	7	NC	6	NC	7
256			min	-0.005	6	0	5	0	4	0	4	229.764	7	NC	4
257		4	max	0	7	0.698	7	0	7	0	7	NC	6	NC	7
258			min	-0.005	6	0	5	0	4	0	4	337.224	7	NC	4
259		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
260			min	-0.006	6	0	4	0	4	0	4	NC	4	NC	4
261	M49	1	max	0	7	0	7	1.02	7	0	6	NC	7	NC	7
262			min	0	4	-0.005	6	0	5	-0.001	7	NC	4	NC	4
263		2	max	0	7	0	7	0.98	7	0	6	NC	7	NC	6
264			min	0	4	-0.356	6	0	4	-0.001	7	548.397	6	1355.534	7
265		3	max	0	7	0	7	0.858	7	0	6	NC	7	NC	6
266			min	0	4	-0.504	6	0	4	-0.001	7	390.56	6	965.798	7
267		4	max	0	7	0	7	0.625	7	0	6	NC	7	NC	6
268			min	0	4	-0.377	6	0	4	-0.001	7	547.752	6	1355.209	7
269		5	max	0	7	0	7	0.31	7	0	6	NC	7	NC	7
270			min	0	4	-0.046	6	0	4	-0.001	7	NC	4	NC	4
271	M50	1	max	0	7	0.948	7	0	7	0.002	7	NC	7	NC	7
272			min	-0.441	6	0	4	0	4	0	6	NC	4	NC	4
273		2	max	0	7	0.737	7	0	7	0.002	7	NC	6	NC	7
274			min	-0.441	6	0	4	0	4	0	6	4806.159	7	NC	4
275		3	max	0	7	0.511	7	0	7	0.002	7	NC	6	NC	7
276			min	-0.442	6	0	4	0	4	0	6	3424.388	7	NC	4
277		4	max	0	7	0.263	7	0	7	0.002	7	NC	6	NC	7
278			min	-0.442	6	0	4	0	4	0	6	4806.159	7	NC	4
279		5	max	0	7	0	7	0	7	0.002	7	NC	7	NC	7
280			min	-0.442	6	0	4	0	4	0	6	NC	4	NC	4
281	M51	1	max	0	7	0.999	7	0	7	0.001	7	NC	7	NC	7
282			min	-0.26	6	0	4	0	4	0	6	NC	4	NC	4
283		2	max	0	7	0.776	7	0	7	0.001	7	NC	6	NC	7
284			min	-0.26	6	0	4	0	4	0	6	4806.159	7	NC	4
285		3	max	0	7	0.537	7	0	7	0.001	7	NC	6	NC	7
286			min	-0.26	6	0	4	0	4	0	6	3424.388	7	NC	4
287		4	max	0	7	0.276	7	0	7	0.001	7	NC	6	NC	7
288			min	-0.261	6	0	4	0	4	0	6	4806.159	7	NC	4
289		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
290			min	-0.261	6	0	4	0	4	0	6	NC	4	NC	4
291	M52	1	max	0	7	0.978	7	0	7	0.002	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
292			min	-0.363	6	0	4	0	4	0	6	NC	4	NC	4
293		2	max	0	7	0.76	7	0	7	0.002	7	NC	6	NC	7
294			min	-0.363	6	0	4	0	4	0	6	4806.159	7	NC	4
295		3	max	0	7	0.526	7	0	7	0.002	7	NC	6	NC	7
296			min	-0.364	6	0	4	0	4	0	6	3424.388	7	NC	4
297		4	max	0	7	0.271	7	0	7	0.002	7	NC	6	NC	7
298			min	-0.364	6	0	4	0	4	0	6	4806.159	7	NC	4
299		5	max	0	7	0	7	0	7	0.002	7	NC	7	NC	7
300			min	-0.364	6	0	4	0	4	0	6	NC	4	NC	4
301	M53	1	max	0	7	1.012	7	0	7	0.001	7	NC	7	NC	7
302			min	-0.138	6	0	4	0	4	0	6	NC	4	NC	4
303		2	max	0	7	0.785	7	0	7	0.001	7	NC	6	NC	7
304			min	-0.138	6	0	4	0	4	0	6	4811.572	7	NC	4
305		3	max	0	7	0.543	7	0	7	0.001	7	NC	6	NC	7
306			min	-0.138	6	0	4	0	4	0	6	3428.245	7	NC	4
307		4	max	0	7	0.279	7	0	7	0.001	7	NC	6	NC	7
308			min	-0.138	6	0	4	0	4	0	6	4811.572	7	NC	4
309		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
310			min	-0.138	6	0	4	0	4	0	6	NC	4	NC	4
311	M54	1	max	0	7	0.905	7	0	7	0.003	7	NC	7	NC	7
312			min	-0.489	6	0	4	0	4	0	6	NC	4	NC	4
313		2	max	0	7	0.705	7	0	7	0.003	7	NC	6	NC	7
314			min	-0.489	6	0	4	0	4	0	6	4811.574	7	NC	4
315		3	max	0	7	0.489	7	0	7	0.003	7	NC	6	NC	7
316			min	-0.489	6	0	4	0	4	0	6	3428.246	7	NC	4
317		4	max	0	7	0.253	7	0	7	0.003	7	NC	6	NC	7
318			min	-0.49	6	0	4	0	4	0	6	4811.574	7	NC	4
319		5	max	0	7	0	7	0	7	0.003	7	NC	7	NC	7
320			min	-0.49	6	0	4	0	4	0	6	NC	4	NC	4
321	M55	1	max	0	7	0.601	7	0	7	0.006	7	NC	7	NC	7
322			min	-0.355	6	0	4	0	4	0	6	NC	4	NC	4
323		2	max	0	7	0.478	7	0	7	0.006	7	NC	6	NC	7
324			min	-0.355	6	0	4	0	4	0	6	4806.159	7	NC	4
325		3	max	0	7	0.338	7	0	7	0.006	7	NC	6	NC	7
326			min	-0.356	6	0	4	0	4	0	6	3424.388	7	NC	4
327		4	max	0	7	0.177	7	0	7	0.006	7	NC	6	NC	7
328			min	-0.356	6	0	4	0	4	0	6	4806.159	7	NC	4
329		5	max	0	7	0	7	0	7	0.006	7	NC	7	NC	7
330			min	-0.356	6	0	4	0	4	0	6	NC	4	NC	4
331	M56	1	max	0	7	0.779	7	0	7	0.005	7	NC	7	NC	7
332			min	-0.485	6	0	4	0	4	0	6	NC	4	NC	4
333		2	max	0	7	0.611	7	0	7	0.005	7	NC	6	NC	7
334			min	-0.486	6	0	4	0	4	0	6	4806.159	7	NC	4
335		3	max	0	7	0.427	7	0	7	0.005	7	NC	6	NC	7
336			min	-0.486	6	0	4	0	4	0	6	3424.388	7	NC	4
337		4	max	0	7	0.221	7	0	7	0.005	7	NC	6	NC	7
338			min	-0.486	6	0	4	0	4	0	6	4806.159	7	NC	4
339		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
340			min	-0.486	6	0	4	0	4	0	6	NC	4	NC	4
341	M57	1	max	0	7	0.696	7	0	7	0.006	7	NC	7	NC	7
342			min	-0.435	6	0	4	0	4	0	6	NC	4	NC	4
343		2	max	0	7	0.548	7	0	7	0.006	7	NC	6	NC	7
344			min	-0.435	6	0	4	0	4	0	6	4806.159	7	NC	4
345		3	max	0	7	0.385	7	0	7	0.006	7	NC	6	NC	7
346			min	-0.435	6	0	4	0	4	0	6	3424.388	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
347		4	max	0	7	0.201	7	0	7	0.006	7	NC	6	NC	7
348			min	-0.435	6	0	4	0	4	0	6	4806.159	7	NC	4
349		5	max	0	7	0	7	0	7	0.006	7	NC	7	NC	7
350			min	-0.436	6	0	4	0	4	0	6	NC	4	NC	4
351	M58	1	max	0	7	0.497	7	0	7	0.007	7	NC	7	NC	7
352			min	-0.252	6	0	4	0	4	0	6	NC	4	NC	4
353		2	max	0	7	0.4	7	0	7	0.007	7	NC	6	NC	7
354			min	-0.252	6	0	4	0	4	0	6	4811.574	7	NC	4
355		3	max	0	7	0.286	7	0	7	0.007	7	NC	6	NC	7
356			min	-0.252	6	0	4	0	4	0	6	3428.246	7	NC	4
357		4	max	0	7	0.151	7	0	7	0.007	7	NC	6	NC	7
358			min	-0.253	6	0	4	0	4	0	6	4811.574	7	NC	4
359		5	max	0	7	0	7	0	7	0.007	7	NC	7	NC	7
360			min	-0.253	6	0	4	0	4	0	6	NC	4	NC	4
361	M59	1	max	0	7	0.848	7	0	7	0.004	7	NC	7	NC	7
362			min	-0.504	6	0	4	0	4	0	6	NC	4	NC	4
363		2	max	0	7	0.663	7	0	7	0.004	7	NC	6	NC	7
364			min	-0.504	6	0	4	0	4	0	6	4811.574	7	NC	4
365		3	max	0	7	0.461	7	0	7	0.004	7	NC	6	NC	7
366			min	-0.504	6	0	4	0	4	0	6	3428.246	7	NC	4
367		4	max	0	7	0.239	7	0	7	0.004	7	NC	6	NC	7
368			min	-0.504	6	0	4	0	4	0	6	4811.574	7	NC	4
369		5	max	0	7	0	7	0	7	0.004	7	NC	7	NC	7
370			min	-0.505	6	0	4	0	4	0	6	NC	4	NC	4
371	M60	1	max	0	7	0.387	7	0	7	0.007	7	NC	7	NC	7
372			min	-0.132	6	0	4	0	4	0	6	NC	4	NC	4
373		2	max	0	7	0.315	7	0	7	0.007	7	NC	6	NC	7
374			min	-0.133	6	0	4	0	4	0	6	5066.545	7	NC	4
375		3	max	0	7	0.229	7	0	7	0.007	7	NC	6	NC	7
376			min	-0.133	6	0	4	0	4	0	6	3565.37	7	NC	4
377		4	max	0	7	0.123	7	0	7	0.007	7	NC	6	NC	7
378			min	-0.133	6	0	4	0	4	0	6	4905.396	7	NC	4
379		5	max	0	7	0	7	0	7	0.007	7	NC	7	NC	7
380			min	-0.133	6	0	4	0	4	0	6	NC	4	NC	4
381	M63	1	max	0	7	0	7	0.31	7	0.001	7	NC	7	NC	7
382			min	0	4	-0.046	6	0	4	0	4	NC	4	NC	4
383		2	max	0	7	0	7	0.497	7	0.001	7	NC	7	NC	6
384			min	0	4	-0.178	6	0	4	0	4	1055.145	6	2612.65	7
385		3	max	0	7	0	7	0.65	7	0.001	7	NC	7	NC	6
386			min	0	4	-0.224	6	0	4	0	4	752.452	6	1862.11	7
387		4	max	0	7	0	7	0.757	7	0.001	7	NC	7	NC	6
388			min	0	4	-0.157	6	0	4	0	4	1056.495	6	2613.424	7
389		5	max	0	7	0	7	0.83	7	0.001	7	NC	7	NC	7
390			min	0	4	-0.004	6	0	5	0	4	NC	4	NC	4
391	M64	1	max	0	7	0.392	7	0	7	0	6	NC	7	NC	7
392			min	-0.108	6	0	4	0	4	-0.005	7	NC	4	NC	4
393		2	max	0	7	0.322	7	0	7	0	6	NC	6	NC	7
394			min	-0.108	6	0	4	0	4	-0.005	7	4470.113	7	NC	4
395		3	max	0	7	0.236	7	0	7	0	6	NC	6	NC	7
396			min	-0.108	6	0	4	0	4	-0.005	7	3162.09	7	NC	4
397		4	max	0	7	0.127	7	0	7	0	6	NC	6	NC	7
398			min	-0.109	6	0	4	0	4	-0.005	7	4381.221	7	NC	4
399		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
400			min	-0.109	6	0	4	0	4	-0.005	7	NC	4	NC	4
401	M65	1	max	0	7	0.471	7	0	7	0	6	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
402			min	-0.162	6	0	4	0	4	-0.005	7	NC	4	NC	4
403		2	max	0	7	0.38	7	0	7	0	6	NC	6	NC	7
404			min	-0.162	6	0	4	0	4	-0.005	7	4817	7	NC	4
405		3	max	0	7	0.273	7	0	7	0	6	NC	6	NC	7
406			min	-0.162	6	0	4	0	4	-0.005	7	3432.113	7	NC	4
407		4	max	0	7	0.144	7	0	7	0	6	NC	6	NC	7
408			min	-0.163	6	0	4	0	4	-0.005	7	4817	7	NC	4
409		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
410			min	-0.163	6	0	4	0	4	-0.005	7	NC	4	NC	4
411	M66	1	max	0	7	0.544	7	0	7	0	6	NC	7	NC	7
412			min	-0.201	6	0	4	0	4	-0.004	7	NC	4	NC	4
413		2	max	0	7	0.434	7	0	7	0	6	NC	6	NC	7
414			min	-0.202	6	0	4	0	4	-0.004	7	4817	7	NC	4
415		3	max	0	7	0.309	7	0	7	0	6	NC	6	NC	7
416			min	-0.202	6	0	4	0	4	-0.004	7	3432.113	7	NC	4
417		4	max	0	7	0.162	7	0	7	0	6	NC	6	NC	7
418			min	-0.202	6	0	4	0	4	-0.004	7	4817	7	NC	4
419		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
420			min	-0.202	6	0	4	0	4	-0.004	7	NC	4	NC	4
421	M67	1	max	0	7	0.609	7	0	7	0	6	NC	7	NC	7
422			min	-0.222	6	0	4	0	4	-0.004	7	NC	4	NC	4
423		2	max	0	7	0.484	7	0	7	0	6	NC	6	NC	7
424			min	-0.223	6	0	4	0	4	-0.004	7	4817	7	NC	4
425		3	max	0	7	0.342	7	0	7	0	6	NC	6	NC	7
426			min	-0.223	6	0	4	0	4	-0.004	7	3432.113	7	NC	4
427		4	max	0	7	0.179	7	0	7	0	6	NC	6	NC	7
428			min	-0.223	6	0	4	0	4	-0.004	7	4817	7	NC	4
429		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
430			min	-0.223	6	0	4	0	4	-0.004	7	NC	4	NC	4
431	M68	1	max	0	7	0.667	7	0	7	0	6	NC	7	NC	7
432			min	-0.222	6	0	4	0	4	-0.003	7	NC	4	NC	4
433		2	max	0	7	0.526	7	0	7	0	6	NC	6	NC	7
434			min	-0.222	6	0	4	0	4	-0.003	7	4817	7	NC	4
435		3	max	0	7	0.37	7	0	7	0	6	NC	6	NC	7
436			min	-0.223	6	0	4	0	4	-0.003	7	3432.113	7	NC	4
437		4	max	0	7	0.193	7	0	7	0	6	NC	6	NC	7
438			min	-0.223	6	0	4	0	4	-0.003	7	4817	7	NC	4
439		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
440			min	-0.223	6	0	4	0	4	-0.003	7	NC	4	NC	4
441	M69	1	max	0	7	0.715	7	0	7	0	6	NC	7	NC	7
442			min	-0.201	6	0	4	0	4	-0.003	7	NC	4	NC	4
443		2	max	0	7	0.563	7	0	7	0	6	NC	6	NC	7
444			min	-0.201	6	0	4	0	4	-0.003	7	4817	7	NC	4
445		3	max	0	7	0.395	7	0	7	0	6	NC	6	NC	7
446			min	-0.201	6	0	4	0	4	-0.003	7	3432.113	7	NC	4
447		4	max	0	7	0.205	7	0	7	0	6	NC	6	NC	7
448			min	-0.201	6	0	4	0	4	-0.003	7	4817	7	NC	4
449		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
450			min	-0.201	6	0	4	0	4	-0.003	7	NC	4	NC	4
451	M70	1	max	0	7	0.755	7	0	7	0	6	NC	7	NC	7
452			min	-0.159	6	0	4	0	4	-0.002	7	NC	4	NC	4
453		2	max	0	7	0.593	7	0	7	0	6	NC	6	NC	7
454			min	-0.159	6	0	4	0	4	-0.002	7	4817	7	NC	4
455		3	max	0	7	0.415	7	0	7	0	6	NC	6	NC	7
456			min	-0.16	6	0	4	0	4	-0.002	7	3432.113	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
457		4	max	0	7	0.215	7	0	7	0	6	NC	6	NC	7
458			min	-0.16	6	0	4	0	4	-0.002	7	4817	7	NC	4
459		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
460			min	-0.16	6	0	4	0	4	-0.002	7	NC	4	NC	4
461	M71	1	max	0	7	0.789	7	0	7	0	6	NC	7	NC	7
462			min	-0.102	6	0	4	0	4	-0.002	7	NC	4	NC	4
463		2	max	0	7	0.618	7	0	7	0	6	NC	6	NC	7
464			min	-0.102	6	0	4	0	4	-0.002	7	4817	7	NC	4
465		3	max	0	7	0.432	7	0	7	0	6	NC	6	NC	7
466			min	-0.102	6	0	4	0	4	-0.002	7	3432.113	7	NC	4
467		4	max	0	7	0.224	7	0	7	0	6	NC	6	NC	7
468			min	-0.102	6	0	4	0	4	-0.002	7	4817	7	NC	4
469		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
470			min	-0.102	6	0	4	0	4	-0.002	7	NC	4	NC	4
471	M72	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
472			min	0	4	0	4	0	4	0	4	NC	4	NC	4
473		2	max	0	7	0.586	7	0	7	0	7	NC	6	NC	7
474			min	-0.002	6	0	5	0	4	0	4	401.635	7	NC	4
475		3	max	0	7	0.833	7	0	7	0	7	NC	6	NC	7
476			min	-0.004	6	0	5	0	4	0	4	282.57	7	NC	4
477		4	max	0	7	0.566	7	0	7	0	7	NC	6	NC	7
478			min	-0.005	6	0	5	0	4	0	4	415.975	7	NC	4
479		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
480			min	-0.005	6	0	4	0	4	0	4	NC	4	NC	4
481	M73	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
482			min	0	4	0	4	0	4	0	4	NC	4	NC	4
483		2	max	0	7	0.592	7	0	7	0	7	NC	6	NC	7
484			min	-0.002	4	0	4	0	4	0	4	397.495	7	NC	4
485		3	max	0	7	0.845	7	0	7	0	7	NC	6	NC	7
486			min	-0.004	4	0	4	0	4	0	4	278.626	7	NC	4
487		4	max	0	7	0.578	7	0	7	0	7	NC	6	NC	7
488			min	-0.005	4	0	4	0	4	0	4	407.36	7	NC	4
489		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
490			min	-0.005	4	0	4	0	4	0	4	NC	4	NC	4
491	M74	1	max	0	7	0	7	0.841	7	0	6	NC	7	NC	7
492			min	0	4	-0.004	4	0	4	0	7	NC	4	NC	4
493		2	max	0	7	0	7	0.768	7	0	6	NC	7	NC	6
494			min	0	4	-0.155	6	0	4	0	7	1058.576	6	2618.711	7
495		3	max	0	7	0	7	0.661	7	0	6	NC	7	NC	6
496			min	0	4	-0.22	6	0	4	0	7	753.638	6	1865.786	7
497		4	max	0	7	0	7	0.507	7	0	6	NC	7	NC	6
498			min	0	4	-0.172	6	0	4	0	7	1057.153	6	2619.098	7
499		5	max	0	7	0	7	0.32	7	0	6	NC	7	NC	7
500			min	0	4	-0.038	6	0	4	0	7	NC	4	NC	4
501	M75	1	max	0	7	0.812	7	0	7	0.002	7	NC	7	NC	7
502			min	-0.074	6	0	4	0	4	0	6	NC	4	NC	4
503		2	max	0	7	0.634	7	0	7	0.002	7	NC	6	NC	7
504			min	-0.074	6	0	4	0	4	0	6	5125.363	7	NC	4
505		3	max	0	7	0.441	7	0	7	0.002	7	NC	6	NC	7
506			min	-0.075	6	0	4	0	4	0	6	3651.821	7	NC	4
507		4	max	0	7	0.228	7	0	7	0.002	7	NC	6	NC	7
508			min	-0.075	6	0	4	0	4	0	6	5125.363	7	NC	4
509		5	max	0	7	0	7	0	7	0.002	7	NC	7	NC	7
510			min	-0.075	6	0	4	0	4	0	6	NC	4	NC	4
511	M76	1	max	0	7	0.78	7	0	7	0.002	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
512			min	-0.136	6	0	4	0	4	0	6	NC	4	NC	4
513		2	max	0	7	0.61	7	0	7	0.002	7	NC	6	NC	7
514			min	-0.136	6	0	4	0	4	0	6	5125.363	7	NC	4
515		3	max	0	7	0.425	7	0	7	0.002	7	NC	6	NC	7
516			min	-0.136	6	0	4	0	4	0	6	3651.821	7	NC	4
517		4	max	0	7	0.22	7	0	7	0.002	7	NC	6	NC	7
518			min	-0.137	6	0	4	0	4	0	6	5125.363	7	NC	4
519		5	max	0	7	0	7	0	7	0.002	7	NC	7	NC	7
520			min	-0.137	6	0	4	0	4	0	6	NC	4	NC	4
521	M77	1	max	0	7	0.743	7	0	7	0.003	7	NC	7	NC	7
522			min	-0.184	6	0	4	0	4	0	6	NC	4	NC	4
523		2	max	0	7	0.587	7	0	7	0.003	7	NC	6	NC	7
524			min	-0.184	6	0	4	0	4	0	6	4271.136	7	NC	4
525		3	max	0	7	0.413	7	0	7	0.003	7	NC	6	NC	7
526			min	-0.184	6	0	4	0	4	0	6	3043.184	7	NC	4
527		4	max	0	7	0.216	7	0	7	0.003	7	NC	6	NC	7
528			min	-0.184	6	0	4	0	4	0	6	4271.136	7	NC	4
529		5	max	0	7	0	7	0	7	0.003	7	NC	7	NC	7
530			min	-0.184	6	0	4	0	4	0	6	NC	4	NC	4
531	M78	1	max	0	7	0.697	7	0	7	0.003	7	NC	7	NC	7
532			min	-0.212	6	0	4	0	4	0	6	NC	4	NC	4
533		2	max	0	7	0.548	7	0	7	0.003	7	NC	6	NC	7
534			min	-0.213	6	0	4	0	4	0	6	5125.363	7	NC	4
535		3	max	0	7	0.384	7	0	7	0.003	7	NC	6	NC	7
536			min	-0.213	6	0	4	0	4	0	6	3651.821	7	NC	4
537		4	max	0	7	0.199	7	0	7	0.003	7	NC	6	NC	7
538			min	-0.213	6	0	4	0	4	0	6	5125.363	7	NC	4
539		5	max	0	7	0	7	0	7	0.003	7	NC	7	NC	7
540			min	-0.213	6	0	4	0	4	0	6	NC	4	NC	4
541	M79	1	max	0	7	0.644	7	0	7	0.004	7	NC	7	NC	7
542			min	-0.22	6	0	4	0	4	0	6	NC	4	NC	4
543		2	max	0	7	0.508	7	0	7	0.004	7	NC	6	NC	7
544			min	-0.221	6	0	4	0	4	0	6	5125.363	7	NC	4
545		3	max	0	7	0.357	7	0	7	0.004	7	NC	6	NC	7
546			min	-0.221	6	0	4	0	4	0	6	3651.821	7	NC	4
547		4	max	0	7	0.186	7	0	7	0.004	7	NC	6	NC	7
548			min	-0.221	6	0	4	0	4	0	6	5125.363	7	NC	4
549		5	max	0	7	0	7	0	7	0.004	7	NC	7	NC	7
550			min	-0.221	6	0	4	0	4	0	6	NC	4	NC	4
551	M80	1	max	0	7	0.581	7	0	7	0.004	7	NC	7	NC	7
552			min	-0.207	6	0	4	0	4	0	6	NC	4	NC	4
553		2	max	0	7	0.466	7	0	7	0.004	7	NC	6	NC	7
554			min	-0.207	6	0	4	0	4	0	6	4271.136	7	NC	4
555		3	max	0	7	0.333	7	0	7	0.004	7	NC	6	NC	7
556			min	-0.208	6	0	4	0	4	0	6	3043.184	7	NC	4
557		4	max	0	7	0.175	7	0	7	0.004	7	NC	6	NC	7
558			min	-0.208	6	0	4	0	4	0	6	4271.136	7	NC	4
559		5	max	0	7	0	7	0	7	0.004	7	NC	7	NC	7
560			min	-0.208	6	0	4	0	4	0	6	NC	4	NC	4
561	M81	1	max	0	7	0.511	7	0	7	0.005	7	NC	7	NC	7
562			min	-0.174	6	0	4	0	4	0	6	NC	4	NC	4
563		2	max	0	7	0.408	7	0	7	0.005	7	NC	6	NC	7
564			min	-0.174	6	0	4	0	4	0	6	5125.363	7	NC	4
565		3	max	0	7	0.29	7	0	7	0.005	7	NC	6	NC	7
566			min	-0.174	6	0	4	0	4	0	6	3651.821	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
567		4	max	0	7	0.153	7	0	7	0.005	7	NC	6	NC	7
568			min	-0.174	6	0	4	0	4	0	6	5125.363	7	NC	4
569		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
570			min	-0.175	6	0	4	0	4	0	6	NC	4	NC	4
571	M82	1	max	0	7	0.434	7	0	7	0.005	7	NC	7	NC	7
572			min	-0.124	6	0	4	0	4	0	6	NC	4	NC	4
573		2	max	0	7	0.358	7	0	7	0.005	7	NC	6	NC	7
574			min	-0.124	6	0	4	0	4	0	6	3992.768	7	NC	4
575		3	max	0	7	0.262	7	0	7	0.005	7	NC	6	NC	7
576			min	-0.125	6	0	4	0	4	0	6	2821.126	7	NC	4
577		4	max	0	7	0.141	7	0	7	0.005	7	NC	6	NC	7
578			min	-0.125	6	0	4	0	4	0	6	3906.617	7	NC	4
579		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
580			min	-0.125	6	0	4	0	4	0	6	NC	4	NC	4
581	M85	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
582			min	0	4	0	4	0	4	0	4	NC	4	NC	4
583		2	max	0	7	0.586	7	0	7	0	7	NC	6	NC	7
584			min	-0.002	6	0	4	0	4	0	4	402.176	7	NC	4
585		3	max	0	7	0.832	7	0	7	0	7	NC	6	NC	7
586			min	-0.004	6	0	4	0	4	0	4	282.983	7	NC	4
587		4	max	0	7	0.565	7	0	7	0	7	NC	6	NC	7
588			min	-0.005	6	0	4	0	4	0	4	416.669	7	NC	4
589		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
590			min	-0.005	6	0	4	0	4	0	4	NC	4	NC	4
591	M86	1	max	0	7	0	7	0.32	7	0.001	7	NC	7	NC	7
592			min	0	4	-0.038	6	0	4	0	4	NC	4	NC	4
593		2	max	0	7	0	7	0.504	7	0.001	7	NC	7	NC	6
594			min	0	4	-0.172	6	0	4	0	4	1052.691	6	2615.161	7
595		3	max	0	7	0	7	0.655	7	0.001	7	NC	7	NC	6
596			min	0	4	-0.221	6	0	4	0	4	751.196	6	1863.908	7
597		4	max	0	7	0	7	0.759	7	0.001	7	NC	7	NC	6
598			min	0	4	-0.155	6	0	4	0	4	1055.459	6	2616.59	7
599		5	max	0	7	0	7	0.829	7	0.001	7	NC	7	NC	7
600			min	0	4	-0.004	6	0	4	0	4	NC	4	NC	4
601	M87	1	max	0	7	0.401	7	0	7	0	6	NC	7	NC	7
602			min	-0.101	6	0	4	0	4	-0.005	7	NC	4	NC	4
603		2	max	0	7	0.328	7	0	7	0	6	NC	6	NC	7
604			min	-0.102	6	0	4	0	4	-0.005	7	4611.012	7	NC	4
605		3	max	0	7	0.24	7	0	7	0	6	NC	6	NC	7
606			min	-0.102	6	0	4	0	4	-0.005	7	3243.353	7	NC	4
607		4	max	0	7	0.129	7	0	7	0	6	NC	6	NC	7
608			min	-0.102	6	0	4	0	4	-0.005	7	4459.579	7	NC	4
609		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
610			min	-0.102	6	0	4	0	4	-0.005	7	NC	4	NC	4
611	M88	1	max	0	7	0.479	7	0	7	0	6	NC	7	NC	7
612			min	-0.156	6	0	4	0	4	-0.005	7	NC	4	NC	4
613		2	max	0	7	0.384	7	0	7	0	6	NC	6	NC	7
614			min	-0.156	6	0	4	0	4	-0.005	7	5125.363	7	NC	4
615		3	max	0	7	0.274	7	0	7	0	6	NC	6	NC	7
616			min	-0.157	6	0	4	0	4	-0.005	7	3651.821	7	NC	4
617		4	max	0	7	0.145	7	0	7	0	6	NC	6	NC	7
618			min	-0.157	6	0	4	0	4	-0.005	7	5125.363	7	NC	4
619		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
620			min	-0.157	6	0	4	0	4	-0.005	7	NC	4	NC	4
621	M89	1	max	0	7	0.55	7	0	7	0	6	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
622			min	-0.197	6	0	4	0	4	-0.004	7	NC	4	NC	4
623		2	max	0	7	0.443	7	0	7	0	6	NC	6	NC	7
624			min	-0.197	6	0	4	0	4	-0.004	7	4271.136	7	NC	4
625		3	max	0	7	0.317	7	0	7	0	6	NC	6	NC	7
626			min	-0.197	6	0	4	0	4	-0.004	7	3043.184	7	NC	4
627		4	max	0	7	0.167	7	0	7	0	6	NC	6	NC	7
628			min	-0.197	6	0	4	0	4	-0.004	7	4271.136	7	NC	4
629		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
630			min	-0.198	6	0	4	0	4	-0.004	7	NC	4	NC	4
631	M90	1	max	0	7	0.615	7	0	7	0	6	NC	7	NC	7
632			min	-0.218	6	0	4	0	4	-0.004	7	NC	4	NC	4
633		2	max	0	7	0.486	7	0	7	0	6	NC	6	NC	7
634			min	-0.218	6	0	4	0	4	-0.004	7	5125.363	7	NC	4
635		3	max	0	7	0.342	7	0	7	0	6	NC	6	NC	7
636			min	-0.219	6	0	4	0	4	-0.004	7	3651.821	7	NC	4
637		4	max	0	7	0.179	7	0	7	0	6	NC	6	NC	7
638			min	-0.219	6	0	4	0	4	-0.004	7	5125.363	7	NC	4
639		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
640			min	-0.219	6	0	4	0	4	-0.004	7	NC	4	NC	4
641	M91	1	max	0	7	0.671	7	0	7	0	6	NC	7	NC	7
642			min	-0.219	6	0	4	0	4	-0.003	7	NC	4	NC	4
643		2	max	0	7	0.528	7	0	7	0	6	NC	6	NC	7
644			min	-0.219	6	0	4	0	4	-0.003	7	5125.363	7	NC	4
645		3	max	0	7	0.37	7	0	7	0	6	NC	6	NC	7
646			min	-0.219	6	0	4	0	4	-0.003	7	3651.821	7	NC	4
647		4	max	0	7	0.193	7	0	7	0	6	NC	6	NC	7
648			min	-0.219	6	0	4	0	4	-0.003	7	5125.363	7	NC	4
649		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
650			min	-0.22	6	0	4	0	4	-0.003	7	NC	4	NC	4
651	M92	1	max	0	7	0.718	7	0	7	0	6	NC	7	NC	7
652			min	-0.198	6	0	4	0	4	-0.003	7	NC	4	NC	4
653		2	max	0	7	0.568	7	0	7	0	6	NC	6	NC	7
654			min	-0.198	6	0	4	0	4	-0.003	7	4271.136	7	NC	4
655		3	max	0	7	0.401	7	0	7	0	6	NC	6	NC	7
656			min	-0.199	6	0	4	0	4	-0.003	7	3043.184	7	NC	4
657		4	max	0	7	0.209	7	0	7	0	6	NC	6	NC	7
658			min	-0.199	6	0	4	0	4	-0.003	7	4271.136	7	NC	4
659		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
660			min	-0.199	6	0	4	0	4	-0.003	7	NC	4	NC	4
661	M93	1	max	0	7	0.757	7	0	7	0	6	NC	7	NC	7
662			min	-0.157	6	0	4	0	4	-0.002	7	NC	4	NC	4
663		2	max	0	7	0.593	7	0	7	0	6	NC	6	NC	7
664			min	-0.158	6	0	4	0	4	-0.002	7	5125.363	7	NC	4
665		3	max	0	7	0.413	7	0	7	0	6	NC	6	NC	7
666			min	-0.158	6	0	4	0	4	-0.002	7	3651.821	7	NC	4
667		4	max	0	7	0.214	7	0	7	0	6	NC	6	NC	7
668			min	-0.158	6	0	4	0	4	-0.002	7	5125.363	7	NC	4
669		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
670			min	-0.158	6	0	4	0	4	-0.002	7	NC	4	NC	4
671	M94	1	max	0	7	0.79	7	0	7	0	6	NC	7	NC	7
672			min	-0.1	6	0	4	0	4	-0.002	7	NC	4	NC	4
673		2	max	0	7	0.617	7	0	7	0	6	NC	6	NC	7
674			min	-0.101	6	0	4	0	4	-0.002	7	5125.363	7	NC	4
675		3	max	0	7	0.43	7	0	7	0	6	NC	6	NC	7
676			min	-0.101	6	0	4	0	4	-0.002	7	3651.821	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
677		4	max	0	7	0.222	7	0	7	0	6	NC	6	NC	7
678			min	-0.101	6	0	4	0	4	-0.002	7	5125.363	7	NC	4
679		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
680			min	-0.101	6	0	4	0	4	-0.002	7	NC	4	NC	4
681	M95	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
682			min	0	4	0	4	0	4	0	4	NC	4	NC	4
683		2	max	0	7	0.591	7	0	7	0	7	NC	6	NC	7
684			min	-0.002	6	0	4	0	4	0	4	398.657	7	NC	4
685		3	max	0	7	0.842	7	0	7	0	7	NC	6	NC	7
686			min	-0.004	6	0	5	0	4	0	4	279.619	7	NC	4
687		4	max	0	7	0.575	7	0	7	0	7	NC	6	NC	7
688			min	-0.005	6	0	4	0	4	0	4	409.29	7	NC	4
689		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
690			min	-0.005	6	0	4	0	4	0	4	NC	4	NC	4
691	M96	1	max	0	7	0	7	0.838	7	0	6	NC	7	NC	7
692			min	0	4	-0.004	6	0	5	0	7	NC	4	NC	4
693		2	max	0	7	0	7	0.746	7	0	6	NC	7	NC	6
694			min	0	4	-0.155	6	0	4	0	7	1058.93	6	2614.513	7
695		3	max	0	7	0	7	0.619	7	0	6	NC	7	NC	6
696			min	0	4	-0.221	6	0	4	0	7	754.162	6	1862.865	7
697		4	max	0	7	0	7	0.446	7	0	6	NC	7	NC	6
698			min	0	4	-0.173	6	0	4	0	7	1057.76	6	2613.862	7
699		5	max	0	7	0	7	0.239	7	0	6	NC	7	NC	7
700			min	0	4	-0.04	6	0	4	0	7	NC	4	NC	4
701	M97	1	max	0	7	0.801	7	0	7	0.002	7	NC	7	NC	7
702			min	-0.074	6	0	5	0	4	0	6	NC	4	NC	4
703		2	max	0	7	0.627	7	0	7	0.002	7	NC	6	NC	7
704			min	-0.075	6	0	5	0	4	0	6	4817.12	7	NC	4
705		3	max	0	7	0.438	7	0	7	0.002	7	NC	6	NC	7
706			min	-0.075	6	0	5	0	4	0	6	3432.198	7	NC	4
707		4	max	0	7	0.227	7	0	7	0.002	7	NC	6	NC	7
708			min	-0.075	6	0	5	0	4	0	6	4817.12	7	NC	4
709		5	max	0	7	0	7	0	7	0.002	7	NC	7	NC	7
710			min	-0.075	6	0	4	0	4	0	6	NC	4	NC	4
711	M98	1	max	0	7	0.761	7	0	7	0.003	7	NC	7	NC	7
712			min	-0.136	6	0	4	0	4	0	6	NC	4	NC	4
713		2	max	0	7	0.597	7	0	7	0.003	7	NC	6	NC	7
714			min	-0.137	6	0	4	0	4	0	6	4817	7	NC	4
715		3	max	0	7	0.418	7	0	7	0.003	7	NC	6	NC	7
716			min	-0.137	6	0	4	0	4	0	6	3432.113	7	NC	4
717		4	max	0	7	0.217	7	0	7	0.003	7	NC	6	NC	7
718			min	-0.137	6	0	4	0	4	0	6	4817	7	NC	4
719		5	max	0	7	0	7	0	7	0.003	7	NC	7	NC	7
720			min	-0.137	6	0	4	0	4	0	6	NC	4	NC	4
721	M99	1	max	0	7	0.715	7	0	7	0.003	7	NC	7	NC	7
722			min	-0.184	6	0	4	0	4	0	6	NC	4	NC	4
723		2	max	0	7	0.563	7	0	7	0.003	7	NC	6	NC	7
724			min	-0.184	6	0	4	0	4	0	6	4817	7	NC	4
725		3	max	0	7	0.395	7	0	7	0.003	7	NC	6	NC	7
726			min	-0.184	6	0	4	0	4	0	6	3432.113	7	NC	4
727		4	max	0	7	0.205	7	0	7	0.003	7	NC	6	NC	7
728			min	-0.185	6	0	4	0	4	0	6	4817	7	NC	4
729		5	max	0	7	0	7	0	7	0.003	7	NC	7	NC	7
730			min	-0.185	6	0	4	0	4	0	6	NC	4	NC	4
731	M100	1	max	0	7	0.662	7	0	7	0.004	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
732			min	-0.213	6	0	4	0	4	0	6	NC	4	NC	4
733		2	max	0	7	0.523	7	0	7	0.004	7	NC	6	NC	7
734			min	-0.213	6	0	4	0	4	0	6	4817	7	NC	4
735		3	max	0	7	0.368	7	0	7	0.004	7	NC	6	NC	7
736			min	-0.214	6	0	4	0	4	0	6	3432.113	7	NC	4
737		4	max	0	7	0.192	7	0	7	0.004	7	NC	6	NC	7
738			min	-0.214	6	0	4	0	4	0	6	4817	7	NC	4
739		5	max	0	7	0	7	0	7	0.004	7	NC	7	NC	7
740			min	-0.214	6	0	4	0	4	0	6	NC	4	NC	4
741	M101	1	max	0	7	0.6	7	0	7	0.004	7	NC	7	NC	7
742			min	-0.221	6	0	4	0	4	0	6	NC	4	NC	4
743		2	max	0	7	0.476	7	0	7	0.004	7	NC	6	NC	7
744			min	-0.221	6	0	4	0	4	0	6	4817	7	NC	4
745		3	max	0	7	0.337	7	0	7	0.004	7	NC	6	NC	7
746			min	-0.222	6	0	4	0	4	0	6	3432.113	7	NC	4
747		4	max	0	7	0.176	7	0	7	0.004	7	NC	6	NC	7
748			min	-0.222	6	0	4	0	4	0	6	4817	7	NC	4
749		5	max	0	7	0	7	0	7	0.004	7	NC	7	NC	7
750			min	-0.222	6	0	4	0	4	0	6	NC	4	NC	4
751	M102	1	max	0	7	0.529	7	0	7	0.005	7	NC	7	NC	7
752			min	-0.208	6	0	4	0	4	0	6	NC	4	NC	4
753		2	max	0	7	0.423	7	0	7	0.005	7	NC	6	NC	7
754			min	-0.208	6	0	4	0	4	0	6	4817	7	NC	4
755		3	max	0	7	0.302	7	0	7	0.005	7	NC	6	NC	7
756			min	-0.208	6	0	4	0	4	0	6	3432.113	7	NC	4
757		4	max	0	7	0.159	7	0	7	0.005	7	NC	6	NC	7
758			min	-0.209	6	0	4	0	4	0	6	4817	7	NC	4
759		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
760			min	-0.209	6	0	4	0	4	0	6	NC	4	NC	4
761	M103	1	max	0	7	0.451	7	0	7	0.005	7	NC	7	NC	7
762			min	-0.175	6	0	4	0	4	0	6	NC	4	NC	4
763		2	max	0	7	0.364	7	0	7	0.005	7	NC	6	NC	7
764			min	-0.175	6	0	4	0	4	0	6	4817	7	NC	4
765		3	max	0	7	0.262	7	0	7	0.005	7	NC	6	NC	7
766			min	-0.175	6	0	4	0	4	0	6	3432.113	7	NC	4
767		4	max	0	7	0.139	7	0	7	0.005	7	NC	6	NC	7
768			min	-0.176	6	0	4	0	4	0	6	4817	7	NC	4
769		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
770			min	-0.176	6	0	4	0	4	0	6	NC	4	NC	4
771	M104	1	max	0	7	0.365	7	0	7	0.005	7	NC	7	NC	7
772			min	-0.126	6	0	4	0	4	0	6	NC	4	NC	4
773		2	max	0	7	0.3	7	0	7	0.005	7	NC	6	NC	7
774			min	-0.126	6	0	4	0	4	0	6	4817	7	NC	4
775		3	max	0	7	0.22	7	0	7	0.005	7	NC	6	NC	7
776			min	-0.126	6	0	4	0	4	0	6	3432.113	7	NC	4
777		4	max	0	7	0.118	7	0	7	0.005	7	NC	6	NC	7
778			min	-0.126	6	0	4	0	4	0	6	4817	7	NC	4
779		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
780			min	-0.126	6	0	4	0	4	0	6	NC	4	NC	4
781	M107	1	max	0	7	0	7	0.239	7	0.001	7	NC	7	NC	7
782			min	0	4	-0.04	6	0	4	0	4	NC	4	NC	4
783		2	max	0	7	0	7	0.305	7	0.001	7	NC	7	NC	7
784			min	0	4	-0.039	6	0	4	0	4	8598.21	6	NC	4
785		3	max	0	7	0	7	0.368	7	0.001	7	NC	7	NC	7
786			min	0	4	-0.033	6	0	4	0	4	6133.652	6	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
787		4	max	0	7	0	7	0.428	7	0.001	7	NC	7	NC	7
788			min	0	4	-0.021	6	0	4	0	4	8614.623	6	NC	4
789		5	max	0	7	0	7	0.486	7	0.001	7	NC	7	NC	7
790			min	0	4	-0.003	4	0	4	0	4	NC	4	NC	4
791	M108	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
792			min	0	4	0	4	0	4	0	4	NC	4	NC	4
793		2	max	0	7	0.343	7	0	7	0	7	NC	6	NC	7
794			min	-0.001	4	0	4	0	4	0	4	686.346	7	NC	4
795		3	max	0	7	0.489	7	0	7	0	7	NC	6	NC	7
796			min	-0.003	6	0	4	0	4	0	4	481.707	7	NC	4
797		4	max	0	7	0.337	7	0	7	0	7	NC	6	NC	7
798			min	-0.003	6	0	4	0	4	0	4	699.123	7	NC	4
799		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
800			min	-0.003	6	0	4	0	4	0	4	NC	4	NC	4
801	M109	1	max	0	7	0.295	7	0	7	0	6	NC	7	NC	7
802			min	-0.04	6	0	4	0	4	-0.003	7	NC	4	NC	4
803		2	max	0	7	0.249	7	0	7	0	6	NC	6	NC	7
804			min	-0.04	6	0	4	0	4	-0.003	7	4687.987	7	NC	4
805		3	max	0	7	0.186	7	0	7	0	6	NC	6	NC	7
806			min	-0.04	6	0	4	0	4	-0.003	7	3332.979	7	NC	4
807		4	max	0	7	0.101	7	0	7	0	6	NC	6	NC	7
808			min	-0.04	6	0	4	0	4	-0.003	7	4649.529	7	NC	4
809		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
810			min	-0.041	6	0	4	0	4	-0.003	7	NC	4	NC	4
811	M110	1	max	0	7	0.35	7	0	7	0	6	NC	7	NC	7
812			min	-0.036	6	0	4	0	4	-0.003	7	NC	4	NC	4
813		2	max	0	7	0.289	7	0	7	0	6	NC	6	NC	7
814			min	-0.036	6	0	4	0	4	-0.003	7	4817	7	NC	4
815		3	max	0	7	0.212	7	0	7	0	6	NC	6	NC	7
816			min	-0.036	6	0	4	0	4	-0.003	7	3432.113	7	NC	4
817		4	max	0	7	0.114	7	0	7	0	6	NC	6	NC	7
818			min	-0.036	6	0	4	0	4	-0.003	7	4817	7	NC	4
819		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
820			min	-0.037	6	0	4	0	4	-0.003	7	NC	4	NC	4
821	M111	1	max	0	7	0.402	7	0	7	0	6	NC	7	NC	7
822			min	-0.027	6	0	4	0	4	-0.003	7	NC	4	NC	4
823		2	max	0	7	0.328	7	0	7	0	6	NC	6	NC	7
824			min	-0.027	6	0	4	0	4	-0.003	7	4817	7	NC	4
825		3	max	0	7	0.238	7	0	7	0	6	NC	6	NC	7
826			min	-0.027	6	0	4	0	4	-0.003	7	3432.113	7	NC	4
827		4	max	0	7	0.127	7	0	7	0	6	NC	6	NC	7
828			min	-0.028	6	0	4	0	4	-0.003	7	4817	7	NC	4
829		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
830			min	-0.028	6	0	4	0	4	-0.003	7	NC	4	NC	4
831	M112	1	max	0	7	0.453	7	0	7	0	6	NC	7	NC	7
832			min	-0.013	6	0	4	0	4	-0.003	7	NC	4	NC	4
833		2	max	0	7	0.362	7	0	7	0	6	NC	6	NC	7
834			min	-0.013	6	0	4	0	4	-0.003	7	5778.928	7	NC	4
835		3	max	0	7	0.257	7	0	7	0	6	NC	6	NC	7
836			min	-0.014	6	0	4	0	4	-0.003	7	4117.486	7	NC	4
837		4	max	0	7	0.135	7	0	7	0	6	NC	6	NC	7
838			min	-0.014	6	0	4	0	4	-0.003	7	5778.928	7	NC	4
839		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
840			min	-0.014	6	0	4	0	4	-0.003	7	NC	4	NC	4
841	M113	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
842			min	0	4	0	4	0	4	0	4	NC	4	NC	4
843		2	max	0	7	0.308	7	0	7	0	7	NC	6	NC	7
844			min	-0.001	4	0	4	0	4	0	4	764.424	7	NC	4
845		3	max	0	7	0.432	7	0	7	0	7	NC	6	NC	7
846			min	-0.001	4	0	4	0	4	0	4	544.652	7	NC	4
847		4	max	0	7	0.308	7	0	7	0	7	NC	6	NC	7
848			min	-0.002	4	0	4	0	4	0	4	764.424	7	NC	4
849		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
850			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
851	M114	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
852			min	0	4	0	4	0	4	0	4	NC	4	NC	4
853		2	max	0	7	0.27	7	0	7	0	7	NC	6	NC	7
854			min	-0.001	4	0	4	0	4	0	4	872.69	7	NC	4
855		3	max	0	7	0.379	7	0	7	0	7	NC	6	NC	7
856			min	-0.001	4	0	4	0	4	0	4	621.792	7	NC	4
857		4	max	0	7	0.27	7	0	7	0	7	NC	6	NC	7
858			min	-0.002	4	0	4	0	4	0	4	872.69	7	NC	4
859		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
860			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
861	M115	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
862			min	0	4	0	4	0	4	0	4	NC	4	NC	4
863		2	max	0	7	0.201	7	0	7	0	7	NC	6	NC	7
864			min	-0.001	4	0	4	0	4	0	4	1174.016	7	NC	4
865		3	max	0	7	0.279	7	0	7	0	7	NC	6	NC	7
866			min	-0.001	4	0	4	0	4	0	4	844.075	7	NC	4
867		4	max	0	7	0.194	7	0	7	0	7	NC	6	NC	7
868			min	-0.002	4	0	4	0	4	0	4	1215.767	7	NC	4
869		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
870			min	-0.002	4	0	4	0	4	0	4	NC	4	NC	4
871	M116	1	max	0	7	0	7	0.258	7	0.001	7	NC	7	NC	7
872			min	0	4	-0.001	4	0	4	0	4	NC	4	NC	4
873		2	max	0	7	0	7	0.253	7	0.001	7	NC	7	NC	7
874			min	0	4	-0.002	4	0	4	0	4	NC	4	NC	4
875		3	max	0	7	0	7	0.248	7	0.001	7	NC	7	NC	7
876			min	0	4	-0.003	4	0	4	0	4	NC	4	NC	4
877		4	max	0	7	0	7	0.242	7	0.001	7	NC	7	NC	7
878			min	0	4	-0.002	4	0	4	0	4	NC	4	NC	4
879		5	max	0	7	0	7	0.237	7	0.001	7	NC	7	NC	7
880			min	0	4	-0.001	4	0	4	0	4	NC	4	NC	4
881	M117	1	max	0	7	0.25	7	0	7	0.001	7	NC	6	NC	7
882			min	-0.003	4	0	4	0	4	0	4	598.181	7	NC	4
883		2	max	0	7	0.26	7	0.001	6	0.001	7	NC	6	NC	7
884			min	-0.003	4	0	4	0	5	0	4	573.986	7	NC	4
885		3	max	0	7	0.221	7	0.001	6	0.001	7	NC	6	NC	7
886			min	-0.003	4	0	4	0	5	0	4	675.009	7	NC	4
887		4	max	0	7	0.129	7	0	6	0.001	7	NC	6	NC	7
888			min	-0.003	4	0	4	0	5	0	4	1159.259	7	NC	4
889		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
890			min	-0.004	4	0	4	0	4	0	4	NC	4	NC	4
891	M118	1	max	0	7	0.241	7	0	7	0.001	7	NC	6	NC	7
892			min	-0.002	4	0	4	0	4	0	4	619.331	7	NC	4
893		2	max	0	7	0.251	7	0	7	0.001	7	NC	6	NC	7
894			min	-0.002	4	0	4	-0.002	4	0	4	595.853	7	NC	4
895		3	max	0	7	0.21	7	0	7	0.001	7	NC	6	NC	7
896			min	-0.003	4	0	4	-0.002	4	0	4	710.763	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
897		4	max	0	7	0.121	7	0	7	0.001	7	NC	6	NC	7
898			min	-0.003	4	0	4	-0.001	4	0	4	1235.607	7	NC	4
899		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
900			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
901	M119	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
902			min	0	4	0	4	0	4	0	4	NC	4	NC	4
903		2	max	0	7	0.191	7	0	7	0	7	NC	6	NC	7
904			min	-0.001	4	0	4	0	4	0	4	1231.269	7	NC	4
905		3	max	0	7	0.246	7	0	7	0	7	NC	6	NC	7
906			min	-0.002	4	0	4	0	4	0	4	956.737	7	NC	4
907		4	max	0	7	0.166	7	0	7	0	7	NC	6	NC	7
908			min	-0.002	4	0	4	0	4	0	4	1417.158	7	NC	4
909		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
910			min	-0.002	4	0	4	0	4	0	4	NC	4	NC	4
911	M120	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
912			min	0	4	0	4	0	4	0	4	NC	4	NC	4
913		2	max	0	7	0.309	7	0	7	0	7	NC	6	NC	7
914			min	-0.001	4	0	4	0	4	0	4	762.704	7	NC	4
915		3	max	0	7	0.433	7	0	7	0	7	NC	6	NC	7
916			min	-0.001	4	0	4	0	4	0	4	543.427	7	NC	4
917		4	max	0	7	0.309	7	0	7	0	7	NC	6	NC	7
918			min	-0.002	4	0	4	0	4	0	4	762.704	7	NC	4
919		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
920			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
921	M121	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
922			min	0	4	0	4	0	4	0	4	NC	4	NC	4
923		2	max	0	7	0.241	7	0	7	0	7	NC	6	NC	7
924			min	-0.001	4	0	4	0	4	0	4	975.861	7	NC	4
925		3	max	0	7	0.339	7	0	7	0	7	NC	6	NC	7
926			min	-0.001	4	0	4	0	4	0	4	695.301	7	NC	4
927		4	max	0	7	0.241	7	0	7	0	7	NC	6	NC	7
928			min	-0.002	4	0	4	0	4	0	4	975.861	7	NC	4
929		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
930			min	-0.002	4	0	4	0	4	0	4	NC	4	NC	4
931	M122	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
932			min	0	4	0	4	0	4	0	4	NC	4	NC	4
933		2	max	0	7	0.087	7	0	7	0	7	NC	6	NC	7
934			min	0	4	0	4	0	4	0	4	2708.75	7	NC	4
935		3	max	0	7	0.122	7	0	7	0	7	NC	6	NC	7
936			min	-0.001	4	0	4	0	4	0	4	1929.985	7	NC	4
937		4	max	0	7	0.087	7	0	7	0	7	NC	6	NC	7
938			min	-0.001	4	0	4	0	4	0	4	2708.75	7	NC	4
939		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
940			min	-0.001	4	0	4	0	4	0	4	NC	4	NC	4
941	M123	1	max	0	7	0.819	7	0	7	0	6	NC	7	NC	7
942			min	-0.033	6	0	4	0	4	-0.002	7	NC	4	NC	4
943		2	max	0	7	0.633	7	0	7	0	6	NC	6	NC	7
944			min	-0.033	6	0	4	0	4	-0.002	7	6889.82	7	NC	4
945		3	max	0	7	0.435	7	0	7	0	6	NC	6	NC	7
946			min	-0.033	6	0	4	0	4	-0.002	7	4908.997	7	NC	4
947		4	max	0	7	0.223	7	0	7	0	6	NC	6	NC	7
948			min	-0.034	6	0	4	0	4	-0.002	7	6889.82	7	NC	4
949		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
950			min	-0.034	6	0	4	0	4	-0.002	7	NC	4	NC	4
951	M124	1	max	0	7	0.818	7	0	7	0	6	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
952			min	-0.033	6	0	4	0	4	-0.002	7	NC	4	NC	4
953		2	max	0	7	0.633	7	0	7	0	6	NC	6	NC	7
954			min	-0.033	6	0	4	0	4	-0.002	7	6406.704	7	NC	4
955		3	max	0	7	0.437	7	0	7	0	6	NC	6	NC	7
956			min	-0.033	6	0	4	0	4	-0.002	7	4564.777	7	NC	4
957		4	max	0	7	0.224	7	0	7	0	6	NC	6	NC	7
958			min	-0.033	6	0	4	0	4	-0.002	7	6406.704	7	NC	4
959		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
960			min	-0.033	6	0	4	0	4	-0.002	7	NC	4	NC	4
961	M125	1	max	0	7	0.276	7	0	7	0.006	7	NC	7	NC	7
962			min	-0.065	6	0	4	0	4	0	6	NC	4	NC	4
963		2	max	0	7	0.227	7	0	7	0.006	7	NC	6	NC	7
964			min	-0.066	6	0	4	0	4	0	6	6272.885	7	NC	4
965		3	max	0	7	0.167	7	0	7	0.006	7	NC	6	NC	7
966			min	-0.066	6	0	4	0	4	0	6	4424.407	7	NC	4
967		4	max	0	7	0.09	7	0	7	0.006	7	NC	6	NC	7
968			min	-0.066	6	0	4	0	4	0	6	6094.786	7	NC	4
969		5	max	0	7	0	7	0	7	0.006	7	NC	7	NC	7
970			min	-0.066	6	0	4	0	4	0	6	NC	4	NC	4
971	M126	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
972			min	0	4	0	4	0	4	-0.004	7	NC	4	NC	4
973		2	max	0	7	0	7	0	7	0	6	NC	7	NC	7
974			min	0	4	0	4	0	4	-0.004	7	NC	4	NC	4
975		3	max	0	7	0	7	0	7	0	6	NC	7	NC	7
976			min	0	4	0	4	0	4	-0.004	7	NC	4	NC	4
977		4	max	0	7	0	7	0	7	0	6	NC	7	NC	7
978			min	0	4	0	4	0	4	-0.004	7	NC	4	NC	4
979		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
980			min	0	4	0	4	0	4	-0.004	7	NC	4	NC	4
981	M127	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
982			min	0	4	0	4	0	4	-0.006	7	NC	4	NC	4
983		2	max	0	7	0	7	0	7	0	6	NC	7	NC	7
984			min	0	4	0	4	0	4	-0.006	7	NC	4	NC	4
985		3	max	0	7	0	7	0	7	0	6	NC	7	NC	7
986			min	0	4	0	4	0	4	-0.006	7	NC	4	NC	4
987		4	max	0	7	0	7	0	7	0	6	NC	7	NC	7
988			min	0	4	0	4	0	4	-0.006	7	NC	4	NC	4
989		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
990			min	0	4	0	4	0	4	-0.006	7	NC	4	NC	4
991	M128	1	max	0	7	0	7	0	7	0	4	NC	7	NC	7
992			min	0	4	0	4	0	4	-0.003	7	NC	4	NC	4
993		2	max	0	7	0	7	0	7	0	4	NC	7	NC	7
994			min	0	4	0	4	0	4	-0.003	7	NC	4	NC	4
995		3	max	0	7	0	7	0	7	0	4	NC	7	NC	7
996			min	0	4	0	4	0	4	-0.003	7	NC	4	NC	4
997		4	max	0	7	0	7	0	7	0	4	NC	7	NC	7
998			min	0	4	0	4	0	4	-0.003	7	NC	4	NC	4
999		5	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1000			min	0	4	0	4	0	4	-0.003	7	NC	4	NC	4
1001	M129	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1002			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1003		2	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1004			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1005		3	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1006			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1007		4	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1008			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1009		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1010			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1011	M130	1	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1012			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
1013		2	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1014			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
1015		3	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1016			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
1017		4	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1018			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
1019		5	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1020			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
1021	M131	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1022			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1023		2	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1024			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1025		3	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1026			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1027		4	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1028			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1029		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1030			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1031	M132	1	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1032			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
1033		2	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1034			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
1035		3	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1036			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
1037		4	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1038			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
1039		5	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1040			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
1041	M133	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1042			min	0	4	0	4	0	4	-0.007	7	NC	4	NC	4
1043		2	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1044			min	0	4	0	4	0	4	-0.007	7	NC	4	NC	4
1045		3	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1046			min	0	4	0	4	0	4	-0.007	7	NC	4	NC	4
1047		4	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1048			min	0	4	0	4	0	4	-0.007	7	NC	4	NC	4
1049		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1050			min	0	4	0	4	0	4	-0.007	7	NC	4	NC	4
1051	M134	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1052			min	0	4	-1.612	6	0	4	-0.008	6	NC	4	NC	4
1053		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1054			min	0	4	-1.885	6	0	4	-0.008	6	1292.583	6	NC	4
1055		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1056			min	0	4	-2.039	6	0	4	-0.008	6	857.837	6	NC	4
1057		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1058			min	0	4	-1.982	6	0	4	-0.008	6	1135.242	6	NC	4
1059		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1060			min	0	4	-1.739	6	0	4	-0.009	6	NC	4	NC	4
1061	M135	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1062			min	0	4	-1.99	6	0	4	-0.001	6	NC	4	NC	4
1063		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1064			min	0	4	-2.27	6	0	4	-0.001	6	1292.583	6	NC	4
1065		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1066			min	0	4	-2.431	6	0	4	-0.001	6	857.837	6	NC	4
1067		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1068			min	0	4	-2.38	6	0	4	-0.001	6	1135.242	6	NC	4
1069		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1070			min	0	4	-2.144	6	0	4	-0.001	6	NC	4	NC	4
1071	M136	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1072			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1073		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1074			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1075		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1076			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1077		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1078			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1079		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1080			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1081	M137	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1082			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1083		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1084			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1085		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1086			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1087		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1088			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1089		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1090			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1091	M138	1	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1092			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1093		2	max	0	6	0.003	6	0.001	6	0	6	NC	7	NC	7
1094			min	0	7	0	7	0	7	0	7	NC	4	NC	4
1095		3	max	0	6	0.006	6	0.002	6	0	6	NC	7	NC	7
1096			min	0	7	0	7	0	7	0	7	NC	4	NC	4
1097		4	max	0	6	0.004	6	0.001	6	0	6	NC	7	NC	7
1098			min	0	7	0	7	0	7	0	7	NC	4	NC	4
1099		5	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1100			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1101	M139	1	max	0	7	0.003	6	0	6	0	6	NC	7	NC	7
1102			min	-0.001	6	0	7	0	7	0	7	NC	4	NC	4
1103		2	max	0	7	0.009	6	0.001	6	0	6	NC	7	NC	7
1104			min	-0.001	6	0	7	0	7	0	7	8043.352	6	NC	4
1105		3	max	0	7	0.012	6	0.001	6	0	6	NC	7	NC	7
1106			min	-0.001	6	0	7	0	7	0	7	5423.018	6	NC	4
1107		4	max	0	7	0.01	6	0.001	6	0	6	NC	7	NC	7
1108			min	-0.001	6	0	7	0	7	0	7	7683.931	6	NC	4
1109		5	max	0	7	0.003	6	0	7	0	6	NC	7	NC	7
1110			min	-0.001	6	0	7	0	6	0	7	NC	4	NC	4
1111	M140	1	max	0	7	0	7	0	7	0.001	6	NC	7	NC	7
1112			min	0	4	0	4	0	4	0	7	NC	4	NC	4
1113		2	max	0	6	0.004	6	0	7	0.001	6	NC	7	NC	7
1114			min	0	7	0	7	-0.001	6	0	7	NC	4	NC	4
1115		3	max	0	6	0.006	6	0	7	0.001	6	NC	7	NC	7
1116			min	0	7	0	7	-0.001	6	0	7	NC	4	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1117		4	max	0	6	0.003	6	0	7	0.001	6	NC	7	NC	7
1118			min	0	7	0	7	-0.001	6	0	7	NC	4	NC	4
1119		5	max	0	7	0	7	0	7	0.001	6	NC	7	NC	7
1120			min	0	4	0	4	0	4	0	7	NC	4	NC	4
1121	M141	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1122			min	0	4	0	4	0	4	0	7	NC	4	NC	4
1123		2	max	0	7	0.003	6	0	7	0	6	NC	7	NC	7
1124			min	0	6	0	7	-0.001	6	0	7	NC	4	NC	4
1125		3	max	0	7	0.006	6	0	7	0	6	NC	7	NC	7
1126			min	0	6	0	7	0	6	0	7	NC	4	NC	4
1127		4	max	0	7	0.004	6	0	7	0	6	NC	7	NC	7
1128			min	0	6	0	7	-0.001	6	0	7	NC	4	NC	4
1129		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1130			min	0	4	0	4	0	4	0	7	NC	4	NC	4
1131	M142	1	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1132			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1133		2	max	0	7	0.004	6	0.001	6	0	6	NC	7	NC	7
1134			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1135		3	max	0	7	0.006	6	0.002	6	0	6	NC	7	NC	7
1136			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1137		4	max	0	7	0.003	6	0.001	6	0	6	NC	7	NC	7
1138			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1139		5	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1140			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1141	M143	1	max	0.001	6	0.003	6	0	7	0	6	NC	7	NC	7
1142			min	0	7	0	7	0	6	0	7	NC	4	NC	4
1143		2	max	0.001	6	0.009	6	0.001	6	0	6	NC	7	NC	7
1144			min	0	7	0	7	0	7	0	7	8311.775	6	NC	4
1145		3	max	0.001	6	0.012	6	0.001	6	0	6	NC	7	NC	7
1146			min	0	7	0	7	0	7	0	7	5816.367	6	NC	4
1147		4	max	0.001	6	0.009	6	0.001	6	0	6	NC	7	NC	7
1148			min	0	7	0	7	0	7	0	7	8571.155	6	NC	4
1149		5	max	0.001	6	0.003	6	0	6	0	6	NC	7	NC	7
1150			min	0	7	0	7	0	7	0	7	NC	4	NC	4
1151	M144	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1152			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1153		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1154			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1155		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1156			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1157		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1158			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1159		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1160			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1161	M145	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1162			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1163		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1164			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1165		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1166			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1167		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1168			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1169		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1170			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1171	M146	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1172			min	0	4	0	4	0	4	0	7	NC	4	NC	4
1173		2	max	0	7	0.003	6	0	7	0	6	NC	7	NC	7
1174			min	0	6	0	7	-0.001	6	0	7	NC	4	NC	4
1175		3	max	0	7	0.006	6	0	7	0	6	NC	7	NC	7
1176			min	0	6	0	7	0	6	0	7	NC	4	NC	4
1177		4	max	0	7	0.004	6	0	7	0	6	NC	7	NC	7
1178			min	0	6	0	7	-0.001	6	0	7	NC	4	NC	4
1179		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1180			min	0	4	0	4	0	4	0	7	NC	4	NC	4
1181	M147	1	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1182			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1183		2	max	0	7	0.004	6	0.001	6	0	6	NC	7	NC	7
1184			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1185		3	max	0	7	0.006	6	0.002	6	0	6	NC	7	NC	7
1186			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1187		4	max	0	7	0.003	6	0.001	6	0	6	NC	7	NC	7
1188			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1189		5	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1190			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1191	M148	1	max	0.001	6	0.003	6	0	7	0	6	NC	7	NC	7
1192			min	0	7	0	7	0	6	0	7	NC	4	NC	4
1193		2	max	0.001	6	0.009	6	0.001	6	0	6	NC	7	NC	7
1194			min	0	7	0	7	0	7	0	7	8311.775	6	NC	4
1195		3	max	0.001	6	0.012	6	0.001	6	0	6	NC	7	NC	7
1196			min	0	7	0	7	0	7	0	7	5816.367	6	NC	4
1197		4	max	0.001	6	0.009	6	0.001	6	0	6	NC	7	NC	7
1198			min	0	7	0	7	0	7	0	7	8571.155	6	NC	4
1199		5	max	0.001	6	0.003	6	0	6	0	6	NC	7	NC	7
1200			min	0	7	0	7	0	7	0	7	NC	4	NC	4
1201	M149	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1202			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1203		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1204			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1205		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1206			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1207		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1208			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1209		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1210			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1211	M150	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1212			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1213		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1214			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1215		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1216			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1217		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1218			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1219		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1220			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1221	M154	1	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1222			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1223		2	max	0	7	0.003	6	0	6	0	6	NC	7	NC	7
1224			min	0	4	0	7	0	7	0	7	NC	4	NC	4
1225		3	max	0	7	0.005	6	0.001	6	0	6	NC	7	NC	7
1226			min	0	4	0	7	0	7	0	7	NC	4	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1227		4	max	0	7	0.003	6	0.001	6	0	6	NC	7	NC	7
1228			min	0	4	0	7	0	7	0	7	NC	4	NC	4
1229		5	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1230			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1231	M156	1	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1232			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1233		2	max	0	7	0.003	6	0.001	6	0	6	NC	7	NC	7
1234			min	0	4	0	7	0	7	0	7	NC	4	NC	4
1235		3	max	0	7	0.005	6	0.001	6	0	6	NC	7	NC	7
1236			min	0	4	0	7	0	7	0	7	NC	4	NC	4
1237		4	max	0	7	0.003	6	0	6	0	6	NC	7	NC	7
1238			min	0	4	0	7	0	7	0	7	NC	4	NC	4
1239		5	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1240			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1241	M151	1	max	0	7	0	6	0.003	6	0	7	NC	7	NC	7
1242			min	0	6	0	7	0	7	0	6	NC	4	NC	4
1243		2	max	0	7	0.001	6	0.009	6	0	7	NC	7	NC	7
1244			min	0	6	0	7	0	7	0	6	NC	4	8381.277	6
1245		3	max	0	7	0.001	6	0.011	6	0	7	NC	7	NC	7
1246			min	0	4	0	7	0	7	0	6	NC	4	5779.611	6
1247		4	max	0	6	0.001	6	0.009	6	0	7	NC	7	NC	7
1248			min	0	7	0	7	0	7	0	6	NC	4	8382.022	6
1249		5	max	0	6	0	6	0.003	6	0	7	NC	7	NC	7
1250			min	0	7	0	7	0	7	0	6	NC	4	NC	4
1251	M255	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1252			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1253		2	max	0	7	0.27	7	0	7	0	7	NC	6	NC	7
1254			min	-0.001	4	0	4	0	4	0	4	872.69	7	NC	4
1255		3	max	0	7	0.379	7	0	7	0	7	NC	6	NC	7
1256			min	-0.001	4	0	4	0	4	0	4	621.792	7	NC	4
1257		4	max	0	7	0.27	7	0	7	0	7	NC	6	NC	7
1258			min	-0.002	4	0	4	0	4	0	4	872.69	7	NC	4
1259		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1260			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
1261	M256	1	max	0	7	0.978	7	0	7	0.002	7	NC	7	NC	7
1262			min	-0.363	6	0	4	0	4	0	6	NC	4	NC	4
1263		2	max	0	7	0.76	7	0	7	0.002	7	NC	6	NC	7
1264			min	-0.363	6	0	4	0	4	0	6	4806.159	7	NC	4
1265		3	max	0	7	0.526	7	0	7	0.002	7	NC	6	NC	7
1266			min	-0.364	6	0	4	0	4	0	6	3424.388	7	NC	4
1267		4	max	0	7	0.271	7	0	7	0.002	7	NC	6	NC	7
1268			min	-0.364	6	0	4	0	4	0	6	4806.159	7	NC	4
1269		5	max	0	7	0	7	0	7	0.002	7	NC	7	NC	7
1270			min	-0.364	6	0	4	0	4	0	6	NC	4	NC	4
1271	M257	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1272			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1273		2	max	0	7	0.191	7	0	7	0	7	NC	6	NC	7
1274			min	-0.001	4	0	4	0	4	0	4	1231.269	7	NC	4
1275		3	max	0	7	0.246	7	0	7	0	7	NC	6	NC	7
1276			min	-0.002	4	0	4	0	4	0	4	956.737	7	NC	4
1277		4	max	0	7	0.166	7	0	7	0	7	NC	6	NC	7
1278			min	-0.002	4	0	4	0	4	0	4	1417.158	7	NC	4
1279		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1280			min	-0.002	4	0	4	0	4	0	4	NC	4	NC	4
1281	M258	1	max	0	7	0.671	7	0	7	0	6	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1282			min	-0.218	6	0	5	0	4	-0.003	7	NC	4	NC	4
1283		2	max	0	7	0.528	7	0	7	0	6	NC	6	NC	7
1284			min	-0.219	6	0	5	0	4	-0.003	7	5125.363	7	NC	4
1285		3	max	0	7	0.37	7	0	7	0	6	NC	6	NC	7
1286			min	-0.219	6	0	5	0	4	-0.003	7	3651.821	7	NC	4
1287		4	max	0	7	0.193	7	0	7	0	6	NC	6	NC	7
1288			min	-0.219	6	0	5	0	4	-0.003	7	5125.363	7	NC	4
1289		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1290			min	-0.219	6	0	4	0	4	-0.003	7	NC	4	NC	4
1291	M259	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1292			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1293		2	max	0	7	0.376	7	0	7	0	7	NC	6	NC	7
1294			min	-0.001	4	0	4	0	4	0	4	625.83	7	NC	4
1295		3	max	0	7	0.537	7	0	7	0	7	NC	6	NC	7
1296			min	-0.003	4	0	4	0	4	0	4	438.181	7	NC	4
1297		4	max	0	7	0.371	7	0	7	0	7	NC	6	NC	7
1298			min	-0.003	4	0	4	0	4	0	4	634.197	7	NC	4
1299		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1300			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
1301	M260	1	max	0	7	0.757	7	0	7	0	6	NC	7	NC	7
1302			min	-0.157	6	0	5	0	4	-0.002	7	NC	4	NC	4
1303		2	max	0	7	0.593	7	0	7	0	6	NC	6	NC	7
1304			min	-0.157	6	0	5	0	4	-0.002	7	5125.363	7	NC	4
1305		3	max	0	7	0.413	7	0	7	0	6	NC	6	NC	7
1306			min	-0.157	6	0	5	0	4	-0.002	7	3651.821	7	NC	4
1307		4	max	0	7	0.214	7	0	7	0	6	NC	6	NC	7
1308			min	-0.158	6	0	5	0	4	-0.002	7	5125.363	7	NC	4
1309		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1310			min	-0.158	6	0	4	0	4	-0.002	7	NC	4	NC	4
1311	M261	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1312			min	0	4	-0.072	6	0	4	0	4	NC	4	NC	4
1313		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1314			min	0	4	-0.253	6	0	4	0	4	891.325	6	NC	4
1315		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1316			min	0	4	-0.321	6	0	4	0	4	628.271	6	NC	4
1317		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1318			min	0	4	-0.233	6	0	4	0	4	866.677	6	NC	4
1319		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1320			min	0	4	-0.021	6	0	4	0	4	NC	4	NC	4
1321	M262	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1322			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1323		2	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1324			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1325		3	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1326			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1327		4	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1328			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1329		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1330			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
1331	M392	1	max	0.022	6	0	5	0	7	0	7	NC	7	NC	7
1332			min	0	7	0	7	0	4	0	4	NC	4	NC	4
1333		2	max	0.017	6	0	5	0	7	0	7	NC	7	NC	7
1334			min	0	7	0	6	0	4	0	4	NC	4	NC	4
1335		3	max	0.011	6	0	5	0	7	0	7	NC	7	NC	7
1336			min	0	7	-0.001	6	0	4	0	4	NC	4	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1337		4	max	0.006	6	0	5	0	7	0	7	NC	7	NC	7
1338			min	0	7	0	6	0	4	0	4	NC	4	NC	4
1339		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1340			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1341	M393	1	max	0	7	0.241	7	0	7	0.001	7	NC	6	NC	7
1342			min	-0.002	4	0	4	0	4	0	4	619.331	7	NC	4
1343		2	max	0	7	0.251	7	0	7	0.001	7	NC	6	NC	7
1344			min	-0.002	4	0	4	-0.002	4	0	4	595.853	7	NC	4
1345		3	max	0	7	0.21	7	0	7	0.001	7	NC	6	NC	7
1346			min	-0.003	4	0	4	-0.002	4	0	4	710.763	7	NC	4
1347		4	max	0	7	0.121	7	0	7	0.001	7	NC	6	NC	7
1348			min	-0.003	4	0	4	-0.001	4	0	4	1235.607	7	NC	4
1349		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
1350			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
1351	M394	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1352			min	0	5	-0.068	6	0	4	0	4	NC	4	NC	4
1353		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1354			min	0	5	-0.254	6	0	4	0	4	870.807	6	NC	4
1355		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1356			min	0	5	-0.327	6	0	4	0	4	612.158	6	NC	4
1357		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1358			min	0	5	-0.239	6	0	4	0	4	840.867	6	NC	4
1359		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1360			min	0	5	-0.022	6	0	4	0	4	NC	4	NC	4
1361	M395	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1362			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1363		2	max	0	7	0.591	7	0	7	0	7	NC	6	NC	7
1364			min	-0.002	4	0	4	0	4	0	4	398.657	7	NC	4
1365		3	max	0	7	0.842	7	0	7	0	7	NC	6	NC	7
1366			min	-0.004	4	0	5	0	4	0	4	279.619	7	NC	4
1367		4	max	0	7	0.575	7	0	7	0	7	NC	6	NC	7
1368			min	-0.005	4	0	4	0	4	0	4	409.29	7	NC	4
1369		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1370			min	-0.005	4	0	4	0	4	0	4	NC	4	NC	4
1371	M396	1	max	0	7	0.812	7	0	7	0.002	7	NC	7	NC	7
1372			min	-0.074	6	0	5	0	4	0	6	NC	4	NC	4
1373		2	max	0	7	0.634	7	0	7	0.002	7	NC	6	NC	7
1374			min	-0.074	6	0	5	0	4	0	6	5125.363	7	NC	4
1375		3	max	0	7	0.441	7	0	7	0.002	7	NC	6	NC	7
1376			min	-0.074	6	0	5	0	4	0	6	3651.821	7	NC	4
1377		4	max	0	7	0.228	7	0	7	0.002	7	NC	6	NC	7
1378			min	-0.075	6	0	5	0	4	0	6	5125.363	7	NC	4
1379		5	max	0	7	0	7	0	7	0.002	7	NC	7	NC	7
1380			min	-0.075	6	0	4	0	4	0	6	NC	4	NC	4
1381	M397	1	max	0	7	0.55	7	0	7	0	6	NC	7	NC	7
1382			min	-0.196	6	0	5	0	4	-0.004	7	NC	4	NC	4
1383		2	max	0	7	0.443	7	0	7	0	6	NC	6	NC	7
1384			min	-0.196	6	0	5	0	4	-0.004	7	4271.136	7	NC	4
1385		3	max	0	7	0.317	7	0	7	0	6	NC	6	NC	7
1386			min	-0.196	6	0	5	0	4	-0.004	7	3043.184	7	NC	4
1387		4	max	0	7	0.167	7	0	7	0	6	NC	6	NC	7
1388			min	-0.197	6	0	5	0	4	-0.004	7	4271.136	7	NC	4
1389		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1390			min	-0.197	6	0	4	0	4	-0.004	7	NC	4	NC	4
1391	M398	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1392			min	0	4	-1.85	6	0	4	-0.007	6	NC	4	NC	4
1393		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1394			min	0	4	-1.46	6	0	4	-0.007	6	2857.004	6	NC	4
1395		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1396			min	0	4	-1.027	6	0	5	-0.007	6	2049.204	6	NC	4
1397		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1398			min	0	4	-0.536	6	0	5	-0.007	6	2916.954	6	NC	4
1399		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1400			min	0	4	-0.004	6	0	5	-0.007	6	NC	4	NC	4
1401	M399	1	max	0	7	0.697	7	0	7	0.003	7	NC	7	NC	7
1402			min	-0.212	6	0	5	0	4	0	6	NC	4	NC	4
1403		2	max	0	7	0.548	7	0	7	0.003	7	NC	6	NC	7
1404			min	-0.212	6	0	5	0	4	0	6	5125.363	7	NC	4
1405		3	max	0	7	0.384	7	0	7	0.003	7	NC	6	NC	7
1406			min	-0.212	6	0	5	0	4	0	6	3651.821	7	NC	4
1407		4	max	0	7	0.199	7	0	7	0.003	7	NC	6	NC	7
1408			min	-0.213	6	0	5	0	4	0	6	5125.363	7	NC	4
1409		5	max	0	7	0	7	0	7	0.003	7	NC	7	NC	7
1410			min	-0.213	6	0	4	0	4	0	6	NC	4	NC	4
1411	M400	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1412			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1413		2	max	0	7	0.592	7	0	7	0	7	NC	6	NC	7
1414			min	-0.002	4	0	4	0	4	0	4	397.495	7	NC	4
1415		3	max	0	7	0.845	7	0	7	0	7	NC	6	NC	7
1416			min	-0.004	4	0	5	0	4	0	4	278.626	7	NC	4
1417		4	max	0	7	0.578	7	0	7	0	7	NC	6	NC	7
1418			min	-0.005	4	0	4	0	4	0	4	407.36	7	NC	4
1419		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1420			min	-0.005	4	0	4	0	4	0	4	NC	4	NC	4
1421	M402	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1422			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1423		2	max	0	7	0.162	7	0	7	0	7	NC	6	NC	7
1424			min	-0.018	6	0	4	0	4	0	4	1259.694	7	NC	4
1425		3	max	0	7	0.24	7	0	7	0	7	NC	6	NC	7
1426			min	-0.037	6	0	4	0	4	0	4	849.772	7	NC	4
1427		4	max	0	7	0.169	7	0	7	0	7	NC	6	NC	7
1428			min	-0.054	6	0	4	0	4	0	4	1207.391	7	NC	4
1429		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1430			min	-0.072	6	0	4	0	4	0	4	NC	4	NC	4
1431	M403	1	max	0	7	0.471	7	0	7	0	6	NC	7	NC	7
1432			min	-0.162	6	0	4	0	4	-0.005	7	NC	4	NC	4
1433		2	max	0	7	0.38	7	0	7	0	6	NC	6	NC	7
1434			min	-0.162	6	0	4	0	4	-0.005	7	4817	7	NC	4
1435		3	max	0	7	0.273	7	0	7	0	6	NC	6	NC	7
1436			min	-0.162	6	0	4	0	4	-0.005	7	3432.113	7	NC	4
1437		4	max	0	7	0.144	7	0	7	0	6	NC	6	NC	7
1438			min	-0.163	6	0	4	0	4	-0.005	7	4817	7	NC	4
1439		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1440			min	-0.163	6	0	4	0	4	-0.005	7	NC	4	NC	4
1441	M404	1	max	0	7	0.819	7	0	7	0	6	NC	7	NC	7
1442			min	-0.033	6	0	4	0	4	-0.002	7	NC	4	NC	4
1443		2	max	0	7	0.633	7	0	7	0	6	NC	6	NC	7
1444			min	-0.033	6	0	4	0	4	-0.002	7	6889.82	7	NC	4
1445		3	max	0	7	0.435	7	0	7	0	6	NC	6	NC	7
1446			min	-0.033	6	0	4	0	4	-0.002	7	4908.997	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1447		4	max	0	7	0.223	7	0	7	0	6	NC	6	NC	7
1448			min	-0.034	6	0	4	0	4	-0.002	7	6889.82	7	NC	4
1449		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1450			min	-0.034	6	0	4	0	4	-0.002	7	NC	4	NC	4
1451	M405	1	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1452			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1453		2	max	0	6	0.003	6	0.001	6	0	6	NC	7	NC	7
1454			min	0	7	0	7	0	7	0	7	NC	4	NC	4
1455		3	max	0	6	0.006	6	0.002	6	0	6	NC	7	NC	7
1456			min	0	7	0	7	0	7	0	7	NC	4	NC	4
1457		4	max	0	6	0.004	6	0.001	6	0	6	NC	7	NC	7
1458			min	0	7	0	7	0	7	0	7	NC	4	NC	4
1459		5	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1460			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1461	M406	1	max	0	7	0	7	0	6	0	6	NC	7	NC	7
1462			min	0	4	-0.003	4	-0.498	7	-0.001	7	NC	4	NC	4
1463		2	max	0	7	0	7	0	6	0	6	NC	7	NC	7
1464			min	0	4	-0.016	4	-0.512	7	-0.001	7	6152.242	4	NC	4
1465		3	max	0	7	0	7	0	6	0	6	NC	7	NC	7
1466			min	0	4	-0.022	4	-0.524	7	-0.001	7	4388.056	4	NC	4
1467		4	max	0	7	0	7	0	6	0	6	NC	7	NC	7
1468			min	0	4	-0.016	4	-0.53	7	-0.001	7	6162.603	4	NC	4
1469		5	max	0	7	0	7	0	6	0	6	NC	7	NC	7
1470			min	0	4	-0.003	4	-0.534	7	-0.001	7	NC	4	NC	4
1471	M407	1	max	0	7	0.527	7	0	7	0	7	NC	7	NC	7
1472			min	-0.021	4	0	4	0	4	0	4	NC	4	NC	4
1473		2	max	0	7	0.422	7	0	7	0	7	NC	6	NC	7
1474			min	-0.021	4	0	4	0	4	0	4	4806.159	7	NC	4
1475		3	max	0	7	0.301	7	0	7	0	7	NC	6	NC	7
1476			min	-0.021	4	0	4	0	4	0	4	3424.388	7	NC	4
1477		4	max	0	7	0.158	7	0	7	0	7	NC	6	NC	7
1478			min	-0.021	4	0	4	0	4	0	4	4806.159	7	NC	4
1479		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1480			min	-0.021	4	0	4	0	4	0	4	NC	4	NC	4
1481	M408	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1482			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1483		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1484			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1485		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1486			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1487		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1488			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1489		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1490			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1491	M409	1	max	0	7	0.818	7	0	7	0	6	NC	7	NC	7
1492			min	-0.033	6	0	5	0	4	-0.002	7	NC	4	NC	4
1493		2	max	0	7	0.633	7	0	7	0	6	NC	6	NC	7
1494			min	-0.033	6	0	5	0	4	-0.002	7	6406.704	7	NC	4
1495		3	max	0	7	0.437	7	0	7	0	6	NC	6	NC	7
1496			min	-0.033	6	0	5	0	4	-0.002	7	4564.777	7	NC	4
1497		4	max	0	7	0.224	7	0	7	0	6	NC	6	NC	7
1498			min	-0.033	6	0	5	0	4	-0.002	7	6406.704	7	NC	4
1499		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1500			min	-0.033	6	0	4	0	4	-0.002	7	NC	4	NC	4
1501	M410	1	max	0	7	0	6	0	7	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1502			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1503		2	max	0	7	0.004	6	0.001	6	0	6	NC	7	NC	7
1504			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1505		3	max	0	7	0.006	6	0.002	6	0	6	NC	7	NC	7
1506			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1507		4	max	0	7	0.003	6	0.001	6	0	6	NC	7	NC	7
1508			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1509		5	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1510			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1511	M411	1	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1512			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1513		2	max	0	7	0.004	6	0.001	6	0	6	NC	7	NC	7
1514			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1515		3	max	0	7	0.006	6	0.002	6	0	6	NC	7	NC	7
1516			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1517		4	max	0	7	0.003	6	0.001	6	0	6	NC	7	NC	7
1518			min	0	6	0	7	0	7	0	7	NC	4	NC	4
1519		5	max	0	7	0	6	0	7	0	7	NC	7	NC	7
1520			min	0	4	0	7	0	6	0	4	NC	4	NC	4
1521	M412	1	max	0	7	0.35	7	0	7	0	6	NC	7	NC	7
1522			min	-0.035	6	0	4	0	4	-0.003	7	NC	4	NC	4
1523		2	max	0	7	0.289	7	0	7	0	6	NC	6	NC	7
1524			min	-0.035	6	0	4	0	4	-0.003	7	4817	7	NC	4
1525		3	max	0	7	0.212	7	0	7	0	6	NC	6	NC	7
1526			min	-0.036	6	0	4	0	4	-0.003	7	3432.113	7	NC	4
1527		4	max	0	7	0.114	7	0	7	0	6	NC	6	NC	7
1528			min	-0.036	6	0	4	0	4	-0.003	7	4817	7	NC	4
1529		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1530			min	-0.036	6	0	4	0	4	-0.003	7	NC	4	NC	4
1531	M413	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1532			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1533		2	max	0	7	0.586	7	0	7	0	7	NC	6	NC	7
1534			min	-0.002	4	0	4	0	4	0	4	402.176	7	NC	4
1535		3	max	0	7	0.832	7	0	7	0	7	NC	6	NC	7
1536			min	-0.004	4	0	5	0	4	0	4	282.983	7	NC	4
1537		4	max	0	7	0.565	7	0	7	0	7	NC	6	NC	7
1538			min	-0.005	4	0	4	0	4	0	4	416.669	7	NC	4
1539		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1540			min	-0.005	4	0	4	0	4	0	4	NC	4	NC	4
1541	M414	1	max	0	7	0.755	7	0	7	0	6	NC	7	NC	7
1542			min	-0.159	6	0	4	0	4	-0.002	7	NC	4	NC	4
1543		2	max	0	7	0.593	7	0	7	0	6	NC	6	NC	7
1544			min	-0.159	6	0	4	0	4	-0.002	7	4817	7	NC	4
1545		3	max	0	7	0.415	7	0	7	0	6	NC	6	NC	7
1546			min	-0.16	6	0	4	0	4	-0.002	7	3432.113	7	NC	4
1547		4	max	0	7	0.215	7	0	7	0	6	NC	6	NC	7
1548			min	-0.16	6	0	4	0	4	-0.002	7	4817	7	NC	4
1549		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1550			min	-0.16	6	0	4	0	4	-0.002	7	NC	4	NC	4
1551	M415	1	max	0	4	0	7	0	7	0	7	NC	7	NC	7
1552			min	0	7	-0.072	6	0	4	0	4	NC	4	NC	4
1553		2	max	0	4	0	7	0	7	0	7	NC	7	NC	7
1554			min	0	7	-1.516	6	0	4	0	4	311.679	6	NC	4
1555		3	max	0	4	0	7	0	7	0	7	NC	7	NC	7
1556			min	0	7	-2.094	6	0	4	0	4	222.229	6	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1557		4	max	0	4	0	7	0	7	0	7	NC	7	NC	7
1558			min	0	7	-1.49	6	0	4	0	4	315.13	6	NC	4
1559		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1560			min	0	4	-0.051	6	0	4	0	4	NC	4	NC	4
1561	M416	1	max	0	7	0.78	7	0	7	0.002	7	NC	7	NC	7
1562			min	-0.136	6	0	5	0	4	0	6	NC	4	NC	4
1563		2	max	0	7	0.61	7	0	7	0.002	7	NC	6	NC	7
1564			min	-0.136	6	0	5	0	4	0	6	5125.363	7	NC	4
1565		3	max	0	7	0.425	7	0	7	0.002	7	NC	6	NC	7
1566			min	-0.136	6	0	5	0	4	0	6	3651.821	7	NC	4
1567		4	max	0	7	0.22	7	0	7	0.002	7	NC	6	NC	7
1568			min	-0.136	6	0	5	0	4	0	6	5125.363	7	NC	4
1569		5	max	0	7	0	7	0	7	0.002	7	NC	7	NC	7
1570			min	-0.137	6	0	4	0	4	0	6	NC	4	NC	4
1571	M417	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1572			min	0	4	0	4	0	4	-0.006	7	NC	4	NC	4
1573		2	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1574			min	0	4	0	4	0	4	-0.006	7	NC	4	NC	4
1575		3	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1576			min	0	4	0	4	0	4	-0.006	7	NC	4	NC	4
1577		4	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1578			min	0	4	0	4	0	4	-0.006	7	NC	4	NC	4
1579		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1580			min	0	4	0	4	0	4	-0.006	7	NC	4	NC	4
1581	M418	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1582			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1583		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1584			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1585		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1586			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1587		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1588			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1589		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1590			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1591	M419	1	max	0	7	0.715	7	0	7	0.003	7	NC	7	NC	7
1592			min	-0.184	6	0	4	0	4	0	6	NC	4	NC	4
1593		2	max	0	7	0.563	7	0	7	0.003	7	NC	6	NC	7
1594			min	-0.184	6	0	4	0	4	0	6	4817	7	NC	4
1595		3	max	0	7	0.395	7	0	7	0.003	7	NC	6	NC	7
1596			min	-0.184	6	0	4	0	4	0	6	3432.113	7	NC	4
1597		4	max	0	7	0.205	7	0	7	0.003	7	NC	6	NC	7
1598			min	-0.184	6	0	4	0	4	0	6	4817	7	NC	4
1599		5	max	0	7	0	7	0	7	0.003	7	NC	7	NC	7
1600			min	-0.185	6	0	4	0	4	0	6	NC	4	NC	4
1601	M420	1	max	0	7	0	7	0.239	7	0.001	7	NC	7	NC	7
1602			min	0	4	-0.039	6	0	4	0	4	NC	4	NC	4
1603		2	max	0	7	0	7	0.305	7	0.001	7	NC	7	NC	7
1604			min	0	4	-0.038	6	0	4	0	4	8598.21	6	NC	4
1605		3	max	0	7	0	7	0.368	7	0.001	7	NC	7	NC	7
1606			min	0	4	-0.033	6	0	4	0	4	6133.652	4	NC	4
1607		4	max	0	7	0	7	0.428	7	0.001	7	NC	7	NC	7
1608			min	0	4	-0.02	6	0	4	0	4	8614.623	6	NC	4
1609		5	max	0	7	0	7	0.486	7	0.001	7	NC	7	NC	7
1610			min	0	4	-0.003	4	0	4	0	4	NC	4	NC	4
1611	M421	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1612			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1613		2	max	0	7	0.343	7	0	7	0	7	NC	6	NC	7
1614			min	-0.001	4	0	4	0	4	0	4	686.346	7	NC	4
1615		3	max	0	7	0.489	7	0	7	0	7	NC	6	NC	7
1616			min	-0.003	4	0	4	0	4	0	4	481.707	7	NC	4
1617		4	max	0	7	0.337	7	0	7	0	7	NC	6	NC	7
1618			min	-0.003	4	0	4	0	4	0	4	699.123	7	NC	4
1619		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1620			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
1621	M422	1	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1622			min	0	4	0	4	0	4	-0.003	7	NC	4	NC	4
1623		2	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1624			min	0	4	0	4	0	4	-0.003	7	NC	4	NC	4
1625		3	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1626			min	0	4	0	4	0	4	-0.003	7	NC	4	NC	4
1627		4	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1628			min	0	4	0	4	0	4	-0.003	7	NC	4	NC	4
1629		5	max	0	7	0	7	0	7	0	4	NC	7	NC	7
1630			min	0	4	0	4	0	4	-0.003	7	NC	4	NC	4
1631	M423	1	max	0	7	0.696	7	0	7	0.006	7	NC	7	NC	7
1632			min	-0.435	6	0	4	0	4	0	6	NC	4	NC	4
1633		2	max	0	7	0.549	7	0	7	0.006	7	NC	6	NC	7
1634			min	-0.435	6	0	4	0	4	0	6	4806.159	7	NC	4
1635		3	max	0	7	0.385	7	0	7	0.006	7	NC	6	NC	7
1636			min	-0.435	6	0	4	0	4	0	6	3424.388	7	NC	4
1637		4	max	0	7	0.201	7	0	7	0.006	7	NC	6	NC	7
1638			min	-0.435	6	0	4	0	4	0	6	4806.159	7	NC	4
1639		5	max	0	7	0	7	0	7	0.006	7	NC	7	NC	7
1640			min	-0.436	6	0	4	0	4	0	6	NC	4	NC	4
1641	M424	1	max	0	7	0.905	7	0	7	0.003	7	NC	7	NC	7
1642			min	-0.489	6	0	4	0	4	0	6	NC	4	NC	4
1643		2	max	0	7	0.705	7	0	7	0.003	7	NC	6	NC	7
1644			min	-0.489	6	0	4	0	4	0	6	4811.574	7	NC	4
1645		3	max	0	7	0.489	7	0	7	0.003	7	NC	6	NC	7
1646			min	-0.489	6	0	4	0	4	0	6	3428.246	7	NC	4
1647		4	max	0	7	0.253	7	0	7	0.003	7	NC	6	NC	7
1648			min	-0.49	6	0	4	0	4	0	6	4811.574	7	NC	4
1649		5	max	0	7	0	7	0	7	0.003	7	NC	7	NC	7
1650			min	-0.49	6	0	4	0	4	0	6	NC	4	NC	4
1651	M425	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1652			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1653		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1654			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1655		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1656			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1657		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1658			min	0	4	0	6	0	4	0	4	NC	4	NC	4
1659		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1660			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1661	M426	1	max	0.001	6	0.003	6	0	7	0	6	NC	7	NC	7
1662			min	0	7	0	7	0	6	0	7	NC	4	NC	4
1663		2	max	0.001	6	0.01	6	0.001	6	0	6	NC	7	NC	7
1664			min	0	7	0	7	0	7	0	7	7686.477	6	NC	4
1665		3	max	0.001	6	0.012	6	0.001	6	0	6	NC	7	NC	7
1666			min	0	7	0	7	0	7	0	7	5429.454	6	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1667		4	max	0.001	6	0.009	6	0.001	6	0	6	NC	7	NC	7
1668			min	0	7	0	7	0	7	0	7	8061.818	6	NC	4
1669		5	max	0.001	6	0.003	6	0	6	0	6	NC	7	NC	7
1670			min	0	7	0	7	0	7	0	7	NC	4	NC	4
1671	M427	1	max	0	7	0.848	7	0	7	0.004	7	NC	7	NC	7
1672			min	-0.504	6	0	4	0	4	0	6	NC	4	NC	4
1673		2	max	0	7	0.663	7	0	7	0.004	7	NC	6	NC	7
1674			min	-0.504	6	0	4	0	4	0	6	4811.574	7	NC	4
1675		3	max	0	7	0.461	7	0	7	0.004	7	NC	6	NC	7
1676			min	-0.504	6	0	4	0	4	0	6	3428.246	7	NC	4
1677		4	max	0	7	0.239	7	0	7	0.004	7	NC	6	NC	7
1678			min	-0.505	6	0	4	0	4	0	6	4811.574	7	NC	4
1679		5	max	0	7	0	7	0	7	0.004	7	NC	7	NC	7
1680			min	-0.505	6	0	4	0	4	0	6	NC	4	NC	4
1681	M428	1	max	0	7	0.743	7	0	7	0.003	7	NC	7	NC	7
1682			min	-0.183	6	0	5	0	4	0	6	NC	4	NC	4
1683		2	max	0	7	0.587	7	0	7	0.003	7	NC	6	NC	7
1684			min	-0.183	6	0	5	0	4	0	6	4271.136	7	NC	4
1685		3	max	0	7	0.413	7	0	7	0.003	7	NC	6	NC	7
1686			min	-0.184	6	0	5	0	4	0	6	3043.184	7	NC	4
1687		4	max	0	7	0.216	7	0	7	0.003	7	NC	6	NC	7
1688			min	-0.184	6	0	5	0	4	0	6	4271.136	7	NC	4
1689		5	max	0	7	0	7	0	7	0.003	7	NC	7	NC	7
1690			min	-0.184	6	0	4	0	4	0	6	NC	4	NC	4
1691	M429	1	max	0	7	0	7	0.838	7	0	6	NC	7	NC	7
1692			min	0	4	-0.004	4	0	5	0	7	NC	4	NC	4
1693		2	max	0	7	0	7	0.746	7	0	6	NC	7	NC	6
1694			min	0	4	-0.155	6	0	4	0	7	1058.93	4	2614.513	7
1695		3	max	0	7	0	7	0.619	7	0	6	NC	7	NC	6
1696			min	0	4	-0.221	6	0	4	0	7	754.162	4	1862.865	7
1697		4	max	0	7	0	7	0.446	7	0	6	NC	7	NC	6
1698			min	0	4	-0.172	6	0	4	0	7	1057.76	4	2613.862	7
1699		5	max	0	7	0	7	0.239	7	0	6	NC	7	NC	7
1700			min	0	4	-0.039	6	0	4	0	7	NC	4	NC	4
1701	M430	1	max	0	7	0.544	7	0	7	0	6	NC	7	NC	7
1702			min	-0.201	6	0	4	0	4	-0.004	7	NC	4	NC	4
1703		2	max	0	7	0.434	7	0	7	0	6	NC	6	NC	7
1704			min	-0.202	6	0	4	0	4	-0.004	7	4817	7	NC	4
1705		3	max	0	7	0.309	7	0	7	0	6	NC	6	NC	7
1706			min	-0.202	6	0	4	0	4	-0.004	7	3432.113	7	NC	4
1707		4	max	0	7	0.162	7	0	7	0	6	NC	6	NC	7
1708			min	-0.202	6	0	4	0	4	-0.004	7	4817	7	NC	4
1709		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1710			min	-0.202	6	0	4	0	4	-0.004	7	NC	4	NC	4
1711	M431	1	max	0	7	0.511	7	0	7	0.001	7	NC	7	NC	7
1712			min	-0.016	4	0	4	0	4	0	4	NC	4	NC	4
1713		2	max	0	7	0.41	7	0	7	0.001	7	NC	6	NC	7
1714			min	-0.016	4	0	4	0	4	0	4	4784.924	7	NC	4
1715		3	max	0	7	0.293	7	0	7	0.001	7	NC	6	NC	7
1716			min	-0.016	4	0	4	0	4	0	4	3414.781	7	NC	4
1717		4	max	0	7	0.154	7	0	7	0.001	7	NC	6	NC	7
1718			min	-0.016	4	0	4	0	4	0	4	4791.301	7	NC	4
1719		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
1720			min	-0.016	4	0	4	0	4	0	4	NC	4	NC	4
1721	M432	1	max	0	7	0.999	7	0	7	0.001	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1722			min	-0.26	6	0	4	0	4	0	6	NC	4	NC	4
1723		2	max	0	7	0.776	7	0	7	0.001	7	NC	6	NC	7
1724			min	-0.26	6	0	4	0	4	0	6	4806.159	7	NC	4
1725		3	max	0	7	0.537	7	0	7	0.001	7	NC	6	NC	7
1726			min	-0.26	6	0	4	0	4	0	6	3424.388	7	NC	4
1727		4	max	0	7	0.276	7	0	7	0.001	7	NC	6	NC	7
1728			min	-0.261	6	0	4	0	4	0	6	4806.159	7	NC	4
1729		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
1730			min	-0.261	6	0	4	0	4	0	6	NC	4	NC	4
1731	M433	1	max	0	7	0.387	7	0	7	0.007	7	NC	7	NC	7
1732			min	-0.132	6	0	4	0	4	0	6	NC	4	NC	4
1733		2	max	0	7	0.315	7	0	7	0.007	7	NC	6	NC	7
1734			min	-0.133	6	0	4	0	4	0	6	5061.731	7	NC	4
1735		3	max	0	7	0.229	7	0	7	0.007	7	NC	6	NC	7
1736			min	-0.133	6	0	4	0	4	0	6	3561.8	7	NC	4
1737		4	max	0	7	0.123	7	0	7	0.007	7	NC	6	NC	7
1738			min	-0.133	6	0	4	0	4	0	6	4900.883	7	NC	4
1739		5	max	0	7	0	7	0	7	0.007	7	NC	7	NC	7
1740			min	-0.133	6	0	4	0	4	0	6	NC	4	NC	4
1741	M434	1	max	0	4	0	7	0	7	0	7	NC	7	NC	7
1742			min	-0.001	7	-0.081	6	0	4	0	4	NC	4	NC	4
1743		2	max	0	4	0	7	0	7	0	7	NC	7	NC	7
1744			min	0	7	-1.756	6	0	4	0	4	268.616	6	NC	4
1745		3	max	0	4	0	7	0	7	0	7	NC	7	NC	7
1746			min	0	7	-2.414	6	0	4	0	4	192.527	6	NC	4
1747		4	max	0	4	0	7	0	7	0	7	NC	7	NC	7
1748			min	0	7	-1.722	6	0	4	0	4	272.011	6	NC	4
1749		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1750			min	0	4	-0.054	6	0	4	0	4	NC	4	NC	4
1751	M435	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1752			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1753		2	max	0	7	0.352	7	0	7	0	7	NC	6	NC	7
1754			min	-0.001	4	0	4	0	4	0	4	669.023	7	NC	4
1755		3	max	0	7	0.5	7	0	7	0	7	NC	6	NC	7
1756			min	-0.003	4	0	4	0	4	0	4	471.109	7	NC	4
1757		4	max	0	7	0.341	7	0	7	0	7	NC	6	NC	7
1758			min	-0.003	4	0	4	0	4	0	4	691.158	7	NC	4
1759		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1760			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
1761	M436	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1762			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1763		2	max	0	7	0.306	7	0	7	0	7	NC	6	NC	7
1764			min	-0.001	4	0	4	0	4	0	4	768.517	7	NC	4
1765		3	max	0	7	0.43	7	0	7	0	7	NC	6	NC	7
1766			min	-0.001	4	0	4	0	4	0	4	547.569	7	NC	4
1767		4	max	0	7	0.306	7	0	7	0	7	NC	6	NC	7
1768			min	-0.002	4	0	4	0	4	0	4	768.517	7	NC	4
1769		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1770			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
1771	M437	1	max	0.001	7	0	7	0	7	0	7	NC	7	NC	7
1772			min	0	4	-0.081	6	0	4	0	4	NC	4	NC	4
1773		2	max	0.001	7	0	7	0	7	0	7	NC	7	NC	7
1774			min	0	4	-0.149	6	0	4	0	4	2149.358	6	NC	4
1775		3	max	0.001	7	0	7	0	7	0	7	NC	7	NC	7
1776			min	0	4	-0.168	6	0	4	0	4	1540.04	6	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1777		4	max	0.001	7	0	7	0	7	0	7	NC	7	NC	7
1778			min	0	4	-0.122	6	0	4	0	4	2175.292	6	NC	4
1779		5	max	0.001	7	0	7	0	7	0	7	NC	7	NC	7
1780			min	0	4	-0.03	6	0	4	0	4	NC	4	NC	4
1781	M438	1	max	0	7	0.511	7	0	7	0.005	7	NC	7	NC	7
1782			min	-0.173	6	0	5	0	4	0	6	NC	4	NC	4
1783		2	max	0	7	0.408	7	0	7	0.005	7	NC	6	NC	7
1784			min	-0.173	6	0	5	0	4	0	6	5125.363	7	NC	4
1785		3	max	0	7	0.29	7	0	7	0.005	7	NC	6	NC	7
1786			min	-0.173	6	0	5	0	4	0	6	3651.821	7	NC	4
1787		4	max	0	7	0.153	7	0	7	0.005	7	NC	6	NC	7
1788			min	-0.173	6	0	5	0	4	0	6	5125.363	7	NC	4
1789		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
1790			min	-0.174	6	0	4	0	4	0	6	NC	4	NC	4
1791	M439	1	max	0	7	0.521	7	0	7	0.001	7	NC	7	NC	7
1792			min	-0.021	4	0	4	0	4	0	4	NC	4	NC	4
1793		2	max	0	7	0.417	7	0	7	0.001	7	NC	6	NC	7
1794			min	-0.021	4	0	4	0	4	0	4	4806.159	7	NC	4
1795		3	max	0	7	0.298	7	0	7	0.001	7	NC	6	NC	7
1796			min	-0.022	4	0	4	0	4	0	4	3424.388	7	NC	4
1797		4	max	0	7	0.157	7	0	7	0.001	7	NC	6	NC	7
1798			min	-0.022	4	0	4	0	4	0	4	4806.159	7	NC	4
1799		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
1800			min	-0.022	4	0	4	0	4	0	4	NC	4	NC	4
1801	M440	1	max	0	7	0.276	7	0	7	0.006	7	NC	7	NC	7
1802			min	-0.064	6	0	4	0	4	0	6	NC	4	NC	4
1803		2	max	0	7	0.227	7	0	7	0.006	7	NC	6	NC	7
1804			min	-0.065	6	0	4	0	4	0	6	6272.885	7	NC	4
1805		3	max	0	7	0.167	7	0	7	0.006	7	NC	6	NC	7
1806			min	-0.065	6	0	4	0	4	0	6	4424.407	7	NC	4
1807		4	max	0	7	0.09	7	0	7	0.006	7	NC	6	NC	7
1808			min	-0.065	6	0	4	0	4	0	6	6094.786	7	NC	4
1809		5	max	0	7	0	7	0	7	0.006	7	NC	7	NC	7
1810			min	-0.065	6	0	4	0	4	0	6	NC	4	NC	4
1811	M441	1	max	0	5	0	7	0	7	0	7	NC	7	NC	7
1812			min	0	7	-0.068	6	0	4	0	4	NC	4	NC	4
1813		2	max	0	5	0	7	0	7	0	7	NC	7	NC	7
1814			min	0	7	-1.332	6	0	4	0	4	356.041	6	NC	4
1815		3	max	0	5	0	7	0	7	0	7	NC	7	NC	7
1816			min	0	7	-1.839	6	0	4	0	4	253.679	6	NC	4
1817		4	max	0	5	0	7	0	7	0	7	NC	7	NC	7
1818			min	0	7	-1.322	6	0	4	0	4	356.041	6	NC	4
1819		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1820			min	0	4	-0.048	6	0	4	0	4	NC	4	NC	4
1821	M442	1	max	0	7	0	7	0.258	7	0.001	7	NC	7	NC	7
1822			min	0	4	-0.001	4	0	4	0	4	NC	4	NC	4
1823		2	max	0	7	0	7	0.253	7	0.001	7	NC	7	NC	7
1824			min	0	4	-0.002	4	0	4	0	4	NC	4	NC	4
1825		3	max	0	7	0	7	0.248	7	0.001	7	NC	7	NC	7
1826			min	0	4	-0.003	4	0	4	0	4	NC	4	NC	4
1827		4	max	0	7	0	7	0.242	7	0.001	7	NC	7	NC	7
1828			min	0	4	-0.002	4	0	4	0	4	NC	4	NC	4
1829		5	max	0	7	0	7	0.237	7	0.001	7	NC	7	NC	7
1830			min	0	4	-0.001	4	0	4	0	4	NC	4	NC	4
1831	M443	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1832			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1833		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1834			min	-0.012	6	0	4	0	4	0	4	NC	4	NC	4
1835		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1836			min	-0.024	6	0	4	0	4	0	4	NC	4	NC	4
1837		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1838			min	-0.036	6	0	4	0	4	0	4	NC	4	NC	4
1839		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1840			min	-0.048	6	0	4	0	4	0	4	NC	4	NC	4
1841	M444	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1842			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1843		2	max	0	7	0.586	7	0	7	0	7	NC	6	NC	7
1844			min	-0.002	6	0	5	0	4	0	4	401.633	7	NC	4
1845		3	max	0	7	0.833	7	0	7	0	7	NC	6	NC	7
1846			min	-0.004	6	0	5	0	4	0	4	282.569	7	NC	4
1847		4	max	0	7	0.566	7	0	7	0	7	NC	6	NC	7
1848			min	-0.005	6	0	5	0	4	0	4	415.974	7	NC	4
1849		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1850			min	-0.005	6	0	4	0	4	0	4	NC	4	NC	4
1851	M445	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1852			min	0	4	0	4	0	4	0	7	NC	4	NC	4
1853		2	max	0	6	0.004	6	0	7	0	6	NC	7	NC	7
1854			min	0	7	0	7	-0.001	6	0	7	NC	4	NC	4
1855		3	max	0	6	0.006	6	0	7	0	6	NC	7	NC	7
1856			min	0	7	0	7	0	6	0	7	NC	4	NC	4
1857		4	max	0	6	0.003	6	0	7	0	6	NC	7	NC	7
1858			min	0	7	0	7	-0.001	6	0	7	NC	4	NC	4
1859		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1860			min	0	4	0	4	0	4	0	7	NC	4	NC	4
1861	M446	1	max	0	7	0.453	7	0	7	0	6	NC	7	NC	7
1862			min	-0.013	6	0	4	0	4	-0.003	7	NC	4	NC	4
1863		2	max	0	7	0.362	7	0	7	0	6	NC	6	NC	7
1864			min	-0.013	6	0	4	0	4	-0.003	7	5778.928	7	NC	4
1865		3	max	0	7	0.257	7	0	7	0	6	NC	6	NC	7
1866			min	-0.013	6	0	4	0	4	-0.003	7	4117.486	7	NC	4
1867		4	max	0	7	0.135	7	0	7	0	6	NC	6	NC	7
1868			min	-0.014	6	0	4	0	4	-0.003	7	5778.928	7	NC	4
1869		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1870			min	-0.014	6	0	4	0	4	-0.003	7	NC	4	NC	4
1871	M447	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1872			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1873		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1874			min	-0.013	6	0	4	0	4	0	4	NC	4	NC	4
1875		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1876			min	-0.026	6	0	4	0	4	0	4	NC	4	NC	4
1877		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1878			min	-0.038	6	0	4	0	4	0	4	NC	4	NC	4
1879		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1880			min	-0.051	6	0	4	0	4	0	4	NC	4	NC	4
1881	M448	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1882			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1883		2	max	0	7	0.154	7	0	7	0	7	NC	6	NC	7
1884			min	0	4	0	4	0	4	0	4	1528.849	7	NC	4
1885		3	max	0	7	0.216	7	0	7	0	7	NC	6	NC	7
1886			min	-0.001	4	0	4	0	4	0	4	1089.305	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1887		4	max	0	7	0.154	7	0	7	0	7	NC	6	NC	7
1888			min	-0.001	4	0	4	0	4	0	4	1528.849	7	NC	4
1889		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1890			min	-0.002	4	0	4	0	4	0	4	NC	4	NC	4
1891	M449	1	max	0	7	0.365	7	0	7	0.005	7	NC	7	NC	7
1892			min	-0.125	6	0	4	0	4	0	6	NC	4	NC	4
1893		2	max	0	7	0.3	7	0	7	0.005	7	NC	6	NC	7
1894			min	-0.125	6	0	4	0	4	0	6	4817	7	NC	4
1895		3	max	0	7	0.22	7	0	7	0.005	7	NC	6	NC	7
1896			min	-0.125	6	0	4	0	4	0	6	3432.113	7	NC	4
1897		4	max	0	7	0.118	7	0	7	0.005	7	NC	6	NC	7
1898			min	-0.125	6	0	4	0	4	0	6	4817	7	NC	4
1899		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
1900			min	-0.126	6	0	4	0	4	0	6	NC	4	NC	4
1901	M450	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1902			min	0	4	0	4	0	4	0	7	NC	4	NC	4
1903		2	max	0	7	0.003	6	0	7	0	6	NC	7	NC	7
1904			min	0	6	0	7	-0.001	6	0	7	NC	4	NC	4
1905		3	max	0	7	0.006	6	0	7	0	6	NC	7	NC	7
1906			min	0	6	0	7	0	6	0	7	NC	4	NC	4
1907		4	max	0	7	0.004	6	0	7	0	6	NC	7	NC	7
1908			min	0	6	0	7	-0.001	6	0	7	NC	4	NC	4
1909		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1910			min	0	4	0	4	0	4	0	7	NC	4	NC	4
1911	M451	1	max	0	7	0.295	7	0	7	0	6	NC	7	NC	7
1912			min	-0.039	6	0	4	0	4	-0.003	7	NC	4	NC	4
1913		2	max	0	7	0.249	7	0	7	0	6	NC	6	NC	7
1914			min	-0.039	6	0	4	0	4	-0.003	7	4687.987	7	NC	4
1915		3	max	0	7	0.186	7	0	7	0	6	NC	6	NC	7
1916			min	-0.039	6	0	4	0	4	-0.003	7	3332.979	7	NC	4
1917		4	max	0	7	0.101	7	0	7	0	6	NC	6	NC	7
1918			min	-0.039	6	0	4	0	4	-0.003	7	4649.529	7	NC	4
1919		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1920			min	-0.04	6	0	4	0	4	-0.003	7	NC	4	NC	4
1921	M452	1	max	0	7	0.532	7	0	7	0	7	NC	7	NC	7
1922			min	-0.014	4	0	4	0	4	0	4	NC	4	NC	4
1923		2	max	0	7	0.425	7	0	7	0	7	NC	6	NC	7
1924			min	-0.014	4	0	4	0	4	0	4	4806.159	7	NC	4
1925		3	max	0	7	0.303	7	0	7	0	7	NC	6	NC	7
1926			min	-0.014	4	0	4	0	4	0	4	3424.388	7	NC	4
1927		4	max	0	7	0.159	7	0	7	0	7	NC	6	NC	7
1928			min	-0.014	4	0	4	0	4	0	4	4806.159	7	NC	4
1929		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1930			min	-0.014	4	0	4	0	4	0	4	NC	4	NC	4
1931	M453	1	max	0	7	0.5	7	0	7	0.001	7	NC	7	NC	7
1932			min	-0.005	4	0	4	0	4	0	4	NC	4	NC	4
1933		2	max	0	7	0.391	7	0	7	0.001	7	NC	6	NC	7
1934			min	-0.005	4	0	4	0	4	0	4	7916.623	7	NC	4
1935		3	max	0	7	0.273	7	0	7	0.001	7	NC	6	NC	7
1936			min	-0.006	4	0	4	0	4	0	4	5637.131	7	NC	4
1937		4	max	0	7	0.141	7	0	7	0.001	7	NC	6	NC	7
1938			min	-0.006	4	0	4	0	4	0	4	7912.93	7	NC	4
1939		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
1940			min	-0.006	4	0	4	0	4	0	4	NC	4	NC	4
1941	M454	1	max	0	7	0	6	0.003	6	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1942			min	0	6	0	7	0	7	0	6	NC	4	NC	4
1943		2	max	0	7	0.001	6	0.009	6	0	7	NC	7	NC	7
1944			min	0	6	0	7	0	7	0	6	NC	4	7322.171	6
1945		3	max	0	7	0.002	6	0.012	6	0	7	NC	7	NC	7
1946			min	0	4	0	7	0	7	0	6	NC	4	5059.216	6
1947		4	max	0	6	0.001	6	0.009	6	0	7	NC	7	NC	7
1948			min	0	7	0	7	0	7	0	6	NC	4	7322.741	6
1949		5	max	0	6	0	6	0.003	6	0	7	NC	7	NC	7
1950			min	0	7	0	7	0	7	0	6	NC	4	NC	4
1951	M455	1	max	0	7	0.779	7	0	7	0.005	7	NC	7	NC	7
1952			min	-0.485	6	0	4	0	4	0	6	NC	4	NC	4
1953		2	max	0	7	0.611	7	0	7	0.005	7	NC	6	NC	7
1954			min	-0.486	6	0	4	0	4	0	6	4806.159	7	NC	4
1955		3	max	0	7	0.427	7	0	7	0.005	7	NC	6	NC	7
1956			min	-0.486	6	0	4	0	4	0	6	3424.388	7	NC	4
1957		4	max	0	7	0.221	7	0	7	0.005	7	NC	6	NC	7
1958			min	-0.486	6	0	4	0	4	0	6	4806.159	7	NC	4
1959		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
1960			min	-0.486	6	0	4	0	4	0	6	NC	4	NC	4
1961	M456	1	max	0	7	0.615	7	0	7	0	6	NC	7	NC	7
1962			min	-0.218	6	0	5	0	4	-0.004	7	NC	4	NC	4
1963		2	max	0	7	0.486	7	0	7	0	6	NC	6	NC	7
1964			min	-0.218	6	0	5	0	4	-0.004	7	5125.363	7	NC	4
1965		3	max	0	7	0.342	7	0	7	0	6	NC	6	NC	7
1966			min	-0.218	6	0	5	0	4	-0.004	7	3651.821	7	NC	4
1967		4	max	0	7	0.179	7	0	7	0	6	NC	6	NC	7
1968			min	-0.218	6	0	5	0	4	-0.004	7	5125.363	7	NC	4
1969		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
1970			min	-0.218	6	0	4	0	4	-0.004	7	NC	4	NC	4
1971	M457	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1972			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1973		2	max	0	7	0.201	7	0	7	0	7	NC	6	NC	7
1974			min	-0.001	4	0	4	0	4	0	4	1174.016	7	NC	4
1975		3	max	0	7	0.279	7	0	7	0	7	NC	6	NC	7
1976			min	-0.001	4	0	4	0	4	0	4	844.075	7	NC	4
1977		4	max	0	7	0.194	7	0	7	0	7	NC	6	NC	7
1978			min	-0.002	4	0	4	0	4	0	4	1215.767	7	NC	4
1979		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1980			min	-0.002	4	0	4	0	4	0	4	NC	4	NC	4
1981	M458	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1982			min	0	4	0	4	0	4	0	4	NC	4	NC	4
1983		2	max	0	7	0.719	7	0	7	0	7	NC	6	NC	7
1984			min	-0.003	4	0	5	0	4	0	4	327.336	7	NC	4
1985		3	max	0	7	1.025	7	0	7	0	7	NC	6	NC	7
1986			min	-0.005	4	0	5	0	4	0	4	229.759	7	NC	4
1987		4	max	0	7	0.698	7	0	7	0	7	NC	6	NC	7
1988			min	-0.005	4	0	5	0	4	0	4	337.217	7	NC	4
1989		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
1990			min	-0.006	4	0	4	0	4	0	4	NC	4	NC	4
1991	M459	1	max	0	7	0.948	7	0	7	0.002	7	NC	7	NC	7
1992			min	-0.441	6	0	4	0	4	0	6	NC	4	NC	4
1993		2	max	0	7	0.737	7	0	7	0.002	7	NC	6	NC	7
1994			min	-0.441	6	0	4	0	4	0	6	4806.159	7	NC	4
1995		3	max	0	7	0.511	7	0	7	0.002	7	NC	6	NC	7
1996			min	-0.442	6	0	4	0	4	0	6	3424.388	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
1997		4	max	0	7	0.263	7	0	7	0.002	7	NC	6	NC	7
1998			min	-0.442	6	0	4	0	4	0	6	4806.159	7	NC	4
1999		5	max	0	7	0	7	0	7	0.002	7	NC	7	NC	7
2000			min	-0.442	6	0	4	0	4	0	6	NC	4	NC	4
2001	M460	1	max	0	7	1.012	7	0	7	0.001	7	NC	7	NC	7
2002			min	-0.138	6	0	4	0	4	0	6	NC	4	NC	4
2003		2	max	0	7	0.785	7	0	7	0.001	7	NC	6	NC	7
2004			min	-0.138	6	0	4	0	4	0	6	4811.572	7	NC	4
2005		3	max	0	7	0.543	7	0	7	0.001	7	NC	6	NC	7
2006			min	-0.138	6	0	4	0	4	0	6	3428.245	7	NC	4
2007		4	max	0	7	0.279	7	0	7	0.001	7	NC	6	NC	7
2008			min	-0.138	6	0	4	0	4	0	6	4811.572	7	NC	4
2009		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
2010			min	-0.138	6	0	4	0	4	0	6	NC	4	NC	4
2011	M461	1	max	0.03	6	0	4	0	7	0	7	NC	7	NC	7
2012			min	0	7	-0.001	7	0	4	0	4	NC	4	NC	4
2013		2	max	0.023	6	0	5	0	7	0	7	NC	7	NC	7
2014			min	0	7	0	6	0	4	0	4	NC	4	NC	4
2015		3	max	0.015	6	0	5	0	7	0	7	NC	7	NC	7
2016			min	0	7	0	6	0	4	0	4	NC	4	NC	4
2017		4	max	0.008	6	0	5	0	7	0	7	NC	7	NC	7
2018			min	0	7	0	6	0	4	0	4	NC	4	NC	4
2019		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2020			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2021	M462	1	max	0	7	0.602	7	0	7	0.006	7	NC	7	NC	7
2022			min	-0.355	6	0	4	0	4	0	6	NC	4	NC	4
2023		2	max	0	7	0.478	7	0	7	0.006	7	NC	6	NC	7
2024			min	-0.355	6	0	4	0	4	0	6	4806.159	7	NC	4
2025		3	max	0	7	0.338	7	0	7	0.006	7	NC	6	NC	7
2026			min	-0.356	6	0	4	0	4	0	6	3424.388	7	NC	4
2027		4	max	0	7	0.177	7	0	7	0.006	7	NC	6	NC	7
2028			min	-0.356	6	0	4	0	4	0	6	4806.159	7	NC	4
2029		5	max	0	7	0	7	0	7	0.006	7	NC	7	NC	7
2030			min	-0.356	6	0	4	0	4	0	6	NC	4	NC	4
2031	M463	1	max	0	7	0.497	7	0	7	0.007	7	NC	7	NC	7
2032			min	-0.252	6	0	4	0	4	0	6	NC	4	NC	4
2033		2	max	0	7	0.4	7	0	7	0.007	7	NC	6	NC	7
2034			min	-0.252	6	0	4	0	4	0	6	4811.574	7	NC	4
2035		3	max	0	7	0.286	7	0	7	0.007	7	NC	6	NC	7
2036			min	-0.252	6	0	4	0	4	0	6	3428.246	7	NC	4
2037		4	max	0	7	0.151	7	0	7	0.007	7	NC	6	NC	7
2038			min	-0.253	6	0	4	0	4	0	6	4811.574	7	NC	4
2039		5	max	0	7	0	7	0	7	0.007	7	NC	7	NC	7
2040			min	-0.253	6	0	4	0	4	0	6	NC	4	NC	4
2041	M464	1	max	0	7	0.392	7	0	7	0	6	NC	7	NC	7
2042			min	-0.108	6	0	4	0	4	-0.005	7	NC	4	NC	4
2043		2	max	0	7	0.322	7	0	7	0	6	NC	6	NC	7
2044			min	-0.108	6	0	4	0	4	-0.005	7	4472.877	7	NC	4
2045		3	max	0	7	0.236	7	0	7	0	6	NC	6	NC	7
2046			min	-0.108	6	0	4	0	4	-0.005	7	3164.162	7	NC	4
2047		4	max	0	7	0.127	7	0	7	0	6	NC	6	NC	7
2048			min	-0.109	6	0	4	0	4	-0.005	7	4383.876	7	NC	4
2049		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2050			min	-0.109	6	0	4	0	4	-0.005	7	NC	4	NC	4
2051	M465	1	max	0	7	0.434	7	0	7	0.005	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
2052			min	-0.123	6	0	5	0	4	0	6	NC	4	NC	4
2053		2	max	0	7	0.358	7	0	7	0.005	7	NC	6	NC	7
2054			min	-0.123	6	0	5	0	4	0	6	3992.768	7	NC	4
2055		3	max	0	7	0.262	7	0	7	0.005	7	NC	6	NC	7
2056			min	-0.124	6	0	5	0	4	0	6	2821.126	7	NC	4
2057		4	max	0	7	0.141	7	0	7	0.005	7	NC	6	NC	7
2058			min	-0.124	6	0	5	0	4	0	6	3906.617	7	NC	4
2059		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
2060			min	-0.124	6	0	4	0	4	0	6	NC	4	NC	4
2061	M466	1	max	0	7	0	7	0.32	7	0.001	7	NC	7	NC	7
2062			min	0	4	-0.037	6	0	5	0	4	NC	4	NC	4
2063		2	max	0	7	0	7	0.504	7	0.001	7	NC	7	NC	6
2064			min	0	4	-0.171	6	0	5	0	4	1052.691	6	2615.161	7
2065		3	max	0	7	0	7	0.655	7	0.001	7	NC	7	NC	6
2066			min	0	4	-0.22	6	0	5	0	4	751.196	6	1863.908	7
2067		4	max	0	7	0	7	0.759	7	0.001	7	NC	7	NC	6
2068			min	0	4	-0.155	6	0	5	0	4	1055.459	6	2616.59	7
2069		5	max	0	7	0	7	0.829	7	0.001	7	NC	7	NC	7
2070			min	0	4	-0.004	4	0	5	0	4	NC	4	NC	4
2071	M467	1	max	0.021	6	0	4	0	7	0	7	NC	7	NC	7
2072			min	0	7	0	7	0	4	0	4	NC	4	NC	4
2073		2	max	0.016	6	0	5	0	7	0	7	NC	7	NC	7
2074			min	0	7	0	6	0	4	0	4	NC	4	NC	4
2075		3	max	0.011	6	0	5	0	7	0	7	NC	7	NC	7
2076			min	0	7	-0.001	6	0	4	0	4	NC	4	NC	4
2077		4	max	0.005	6	0	5	0	7	0	7	NC	7	NC	7
2078			min	0	7	0	6	0	4	0	4	NC	4	NC	4
2079		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2080			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2081	M468	1	max	0	7	0.402	7	0	7	0	6	NC	7	NC	7
2082			min	-0.027	6	0	4	0	4	-0.003	7	NC	4	NC	4
2083		2	max	0	7	0.328	7	0	7	0	6	NC	6	NC	7
2084			min	-0.027	6	0	4	0	4	-0.003	7	4817	7	NC	4
2085		3	max	0	7	0.238	7	0	7	0	6	NC	6	NC	7
2086			min	-0.027	6	0	4	0	4	-0.003	7	3432.113	7	NC	4
2087		4	max	0	7	0.127	7	0	7	0	6	NC	6	NC	7
2088			min	-0.027	6	0	4	0	4	-0.003	7	4817	7	NC	4
2089		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2090			min	-0.027	6	0	4	0	4	-0.003	7	NC	4	NC	4
2091	M469	1	max	0	7	0.61	7	0	7	0	6	NC	7	NC	7
2092			min	-0.222	6	0	4	0	4	-0.004	7	NC	4	NC	4
2093		2	max	0	7	0.484	7	0	7	0	6	NC	6	NC	7
2094			min	-0.223	6	0	4	0	4	-0.004	7	4817	7	NC	4
2095		3	max	0	7	0.342	7	0	7	0	6	NC	6	NC	7
2096			min	-0.223	6	0	4	0	4	-0.004	7	3432.113	7	NC	4
2097		4	max	0	7	0.179	7	0	7	0	6	NC	6	NC	7
2098			min	-0.223	6	0	4	0	4	-0.004	7	4817	7	NC	4
2099		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2100			min	-0.223	6	0	4	0	4	-0.004	7	NC	4	NC	4
2101	M470	1	max	0	7	0.667	7	0	7	0	6	NC	7	NC	7
2102			min	-0.222	6	0	4	0	4	-0.003	7	NC	4	NC	4
2103		2	max	0	7	0.526	7	0	7	0	6	NC	6	NC	7
2104			min	-0.222	6	0	4	0	4	-0.003	7	4817	7	NC	4
2105		3	max	0	7	0.37	7	0	7	0	6	NC	6	NC	7
2106			min	-0.223	6	0	4	0	4	-0.003	7	3432.113	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
2107		4	max	0	7	0.193	7	0	7	0	6	NC	6	NC	7
2108			min	-0.223	6	0	4	0	4	-0.003	7	4817	7	NC	4
2109		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2110			min	-0.223	6	0	4	0	4	-0.003	7	NC	4	NC	4
2111	M471	1	max	0	7	0.715	7	0	7	0	6	NC	7	NC	7
2112			min	-0.201	6	0	4	0	4	-0.003	7	NC	4	NC	4
2113		2	max	0	7	0.563	7	0	7	0	6	NC	6	NC	7
2114			min	-0.201	6	0	4	0	4	-0.003	7	4817	7	NC	4
2115		3	max	0	7	0.395	7	0	7	0	6	NC	6	NC	7
2116			min	-0.201	6	0	4	0	4	-0.003	7	3432.113	7	NC	4
2117		4	max	0	7	0.205	7	0	7	0	6	NC	6	NC	7
2118			min	-0.201	6	0	4	0	4	-0.003	7	4817	7	NC	4
2119		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2120			min	-0.201	6	0	4	0	4	-0.003	7	NC	4	NC	4
2121	M472	1	max	0	7	0.789	7	0	7	0	6	NC	7	NC	7
2122			min	-0.102	6	0	4	0	4	-0.002	7	NC	4	NC	4
2123		2	max	0	7	0.618	7	0	7	0	6	NC	6	NC	7
2124			min	-0.102	6	0	4	0	4	-0.002	7	4817	7	NC	4
2125		3	max	0	7	0.432	7	0	7	0	6	NC	6	NC	7
2126			min	-0.102	6	0	4	0	4	-0.002	7	3432.113	7	NC	4
2127		4	max	0	7	0.224	7	0	7	0	6	NC	6	NC	7
2128			min	-0.102	6	0	4	0	4	-0.002	7	4817	7	NC	4
2129		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2130			min	-0.102	6	0	4	0	4	-0.002	7	NC	4	NC	4
2131	M473	1	max	0	7	0.479	7	0	7	0	6	NC	7	NC	7
2132			min	-0.155	6	0	5	0	4	-0.005	7	NC	4	NC	4
2133		2	max	0	7	0.384	7	0	7	0	6	NC	6	NC	7
2134			min	-0.155	6	0	5	0	4	-0.005	7	5125.363	7	NC	4
2135		3	max	0	7	0.274	7	0	7	0	6	NC	6	NC	7
2136			min	-0.156	6	0	5	0	4	-0.005	7	3651.821	7	NC	4
2137		4	max	0	7	0.145	7	0	7	0	6	NC	6	NC	7
2138			min	-0.156	6	0	5	0	4	-0.005	7	5125.363	7	NC	4
2139		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2140			min	-0.156	6	0	4	0	4	-0.005	7	NC	4	NC	4
2141	M474	1	max	0	7	0.644	7	0	7	0.004	7	NC	7	NC	7
2142			min	-0.22	6	0	5	0	4	0	6	NC	4	NC	4
2143		2	max	0	7	0.508	7	0	7	0.004	7	NC	6	NC	7
2144			min	-0.22	6	0	5	0	4	0	6	5125.363	7	NC	4
2145		3	max	0	7	0.357	7	0	7	0.004	7	NC	6	NC	7
2146			min	-0.22	6	0	5	0	4	0	6	3651.821	7	NC	4
2147		4	max	0	7	0.186	7	0	7	0.004	7	NC	6	NC	7
2148			min	-0.22	6	0	5	0	4	0	6	5125.363	7	NC	4
2149		5	max	0	7	0	7	0	7	0.004	7	NC	7	NC	7
2150			min	-0.221	6	0	4	0	4	0	6	NC	4	NC	4
2151	M475	1	max	0	7	0.581	7	0	7	0.004	7	NC	7	NC	7
2152			min	-0.206	6	0	5	0	4	0	6	NC	4	NC	4
2153		2	max	0	7	0.466	7	0	7	0.004	7	NC	6	NC	7
2154			min	-0.207	6	0	5	0	4	0	6	4271.136	7	NC	4
2155		3	max	0	7	0.333	7	0	7	0.004	7	NC	6	NC	7
2156			min	-0.207	6	0	5	0	4	0	6	3043.184	7	NC	4
2157		4	max	0	7	0.175	7	0	7	0.004	7	NC	6	NC	7
2158			min	-0.207	6	0	5	0	4	0	6	4271.136	7	NC	4
2159		5	max	0	7	0	7	0	7	0.004	7	NC	7	NC	7
2160			min	-0.207	6	0	4	0	4	0	6	NC	4	NC	4
2161	M476	1	max	0	7	0.401	7	0	7	0	6	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
2162			min	-0.1	6	0	5	0	4	-0.005	7	NC	4	NC	4
2163		2	max	0	7	0.328	7	0	7	0	6	NC	6	NC	7
2164			min	-0.101	6	0	5	0	4	-0.005	7	4611.012	7	NC	4
2165		3	max	0	7	0.24	7	0	7	0	6	NC	6	NC	7
2166			min	-0.101	6	0	5	0	4	-0.005	7	3243.353	7	NC	4
2167		4	max	0	7	0.129	7	0	7	0	6	NC	6	NC	7
2168			min	-0.101	6	0	5	0	4	-0.005	7	4459.579	7	NC	4
2169		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2170			min	-0.101	6	0	4	0	4	-0.005	7	NC	4	NC	4
2171	M477	1	max	0	7	0.718	7	0	7	0	6	NC	7	NC	7
2172			min	-0.198	6	0	5	0	4	-0.003	7	NC	4	NC	4
2173		2	max	0	7	0.568	7	0	7	0	6	NC	6	NC	7
2174			min	-0.198	6	0	5	0	4	-0.003	7	4271.136	7	NC	4
2175		3	max	0	7	0.401	7	0	7	0	6	NC	6	NC	7
2176			min	-0.198	6	0	5	0	4	-0.003	7	3043.184	7	NC	4
2177		4	max	0	7	0.209	7	0	7	0	6	NC	6	NC	7
2178			min	-0.198	6	0	5	0	4	-0.003	7	4271.136	7	NC	4
2179		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2180			min	-0.199	6	0	4	0	4	-0.003	7	NC	4	NC	4
2181	M478	1	max	0	7	0.79	7	0	7	0	6	NC	7	NC	7
2182			min	-0.1	6	0	5	0	4	-0.002	7	NC	4	NC	4
2183		2	max	0	7	0.617	7	0	7	0	6	NC	6	NC	7
2184			min	-0.1	6	0	5	0	4	-0.002	7	5125.363	7	NC	4
2185		3	max	0	7	0.43	7	0	7	0	6	NC	6	NC	7
2186			min	-0.101	6	0	5	0	4	-0.002	7	3651.821	7	NC	4
2187		4	max	0	7	0.222	7	0	7	0	6	NC	6	NC	7
2188			min	-0.101	6	0	5	0	4	-0.002	7	5125.363	7	NC	4
2189		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2190			min	-0.101	6	0	4	0	4	-0.002	7	NC	4	NC	4
2191	M479	1	max	0	7	0.801	7	0	7	0.002	7	NC	7	NC	7
2192			min	-0.074	6	0	5	0	4	0	6	NC	4	NC	4
2193		2	max	0	7	0.627	7	0	7	0.002	7	NC	6	NC	7
2194			min	-0.074	6	0	5	0	4	0	6	4817.12	7	NC	4
2195		3	max	0	7	0.438	7	0	7	0.002	7	NC	6	NC	7
2196			min	-0.075	6	0	5	0	4	0	6	3432.198	7	NC	4
2197		4	max	0	7	0.227	7	0	7	0.002	7	NC	6	NC	7
2198			min	-0.075	6	0	5	0	4	0	6	4817.12	7	NC	4
2199		5	max	0	7	0	7	0	7	0.002	7	NC	7	NC	7
2200			min	-0.075	6	0	4	0	4	0	6	NC	4	NC	4
2201	M480	1	max	0	7	0.529	7	0	7	0.005	7	NC	7	NC	7
2202			min	-0.207	6	0	4	0	4	0	6	NC	4	NC	4
2203		2	max	0	7	0.423	7	0	7	0.005	7	NC	6	NC	7
2204			min	-0.208	6	0	4	0	4	0	6	4817	7	NC	4
2205		3	max	0	7	0.302	7	0	7	0.005	7	NC	6	NC	7
2206			min	-0.208	6	0	4	0	4	0	6	3432.113	7	NC	4
2207		4	max	0	7	0.159	7	0	7	0.005	7	NC	6	NC	7
2208			min	-0.208	6	0	4	0	4	0	6	4817	7	NC	4
2209		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
2210			min	-0.208	6	0	4	0	4	0	6	NC	4	NC	4
2211	M481	1	max	0	7	0.761	7	0	7	0.003	7	NC	7	NC	7
2212			min	-0.136	6	0	4	0	4	0	6	NC	4	NC	4
2213		2	max	0	7	0.597	7	0	7	0.003	7	NC	6	NC	7
2214			min	-0.136	6	0	4	0	4	0	6	4817	7	NC	4
2215		3	max	0	7	0.418	7	0	7	0.003	7	NC	6	NC	7
2216			min	-0.137	6	0	4	0	4	0	6	3432.113	7	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
2217		4	max	0	7	0.217	7	0	7	0.003	7	NC	6	NC	7
2218			min	-0.137	6	0	4	0	4	0	6	4817	7	NC	4
2219		5	max	0	7	0	7	0	7	0.003	7	NC	7	NC	7
2220			min	-0.137	6	0	4	0	4	0	6	NC	4	NC	4
2221	M482	1	max	0	7	0.662	7	0	7	0.004	7	NC	7	NC	7
2222			min	-0.213	6	0	4	0	4	0	6	NC	4	NC	4
2223		2	max	0	7	0.523	7	0	7	0.004	7	NC	6	NC	7
2224			min	-0.213	6	0	4	0	4	0	6	4817	7	NC	4
2225		3	max	0	7	0.368	7	0	7	0.004	7	NC	6	NC	7
2226			min	-0.213	6	0	4	0	4	0	6	3432.113	7	NC	4
2227		4	max	0	7	0.192	7	0	7	0.004	7	NC	6	NC	7
2228			min	-0.213	6	0	4	0	4	0	6	4817	7	NC	4
2229		5	max	0	7	0	7	0	7	0.004	7	NC	7	NC	7
2230			min	-0.214	6	0	4	0	4	0	6	NC	4	NC	4
2231	M483	1	max	0	7	0.6	7	0	7	0.004	7	NC	7	NC	7
2232			min	-0.221	6	0	4	0	4	0	6	NC	4	NC	4
2233		2	max	0	7	0.476	7	0	7	0.004	7	NC	6	NC	7
2234			min	-0.221	6	0	4	0	4	0	6	4817	7	NC	4
2235		3	max	0	7	0.337	7	0	7	0.004	7	NC	6	NC	7
2236			min	-0.221	6	0	4	0	4	0	6	3432.113	7	NC	4
2237		4	max	0	7	0.176	7	0	7	0.004	7	NC	6	NC	7
2238			min	-0.221	6	0	4	0	4	0	6	4817	7	NC	4
2239		5	max	0	7	0	7	0	7	0.004	7	NC	7	NC	7
2240			min	-0.222	6	0	4	0	4	0	6	NC	4	NC	4
2241	M484	1	max	0	7	0.451	7	0	7	0.005	7	NC	7	NC	7
2242			min	-0.174	6	0	4	0	4	0	6	NC	4	NC	4
2243		2	max	0	7	0.364	7	0	7	0.005	7	NC	6	NC	7
2244			min	-0.174	6	0	4	0	4	0	6	4817	7	NC	4
2245		3	max	0	7	0.262	7	0	7	0.005	7	NC	6	NC	7
2246			min	-0.175	6	0	4	0	4	0	6	3432.113	7	NC	4
2247		4	max	0	7	0.139	7	0	7	0.005	7	NC	6	NC	7
2248			min	-0.175	6	0	4	0	4	0	6	4817	7	NC	4
2249		5	max	0	7	0	7	0	7	0.005	7	NC	7	NC	7
2250			min	-0.175	6	0	4	0	4	0	6	NC	4	NC	4
2251	M485	1	max	0	7	0	7	0	7	0	5	NC	7	NC	7
2252			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
2253		2	max	0	7	0	7	0	7	0	5	NC	7	NC	7
2254			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
2255		3	max	0	7	0	7	0	7	0	5	NC	7	NC	7
2256			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
2257		4	max	0	7	0	7	0	7	0	5	NC	7	NC	7
2258			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
2259		5	max	0	7	0	7	0	7	0	5	NC	7	NC	7
2260			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
2261	M486	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2262			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2263		2	max	0	7	0.308	7	0	7	0	7	NC	6	NC	7
2264			min	-0.001	4	0	4	0	4	0	4	764.424	7	NC	4
2265		3	max	0	7	0.432	7	0	7	0	7	NC	6	NC	7
2266			min	-0.001	4	0	4	0	4	0	4	544.652	7	NC	4
2267		4	max	0	7	0.308	7	0	7	0	7	NC	6	NC	7
2268			min	-0.002	4	0	4	0	4	0	4	764.424	7	NC	4
2269		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2270			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
2271	M487	1	max	0	7	0.25	7	0	7	0.001	7	NC	6	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
2272			min	-0.003	4	0	4	0	4	0	4	598.181	7	NC	4
2273		2	max	0	7	0.26	7	0.001	6	0.001	7	NC	6	NC	7
2274			min	-0.003	4	0	4	0	5	0	4	573.986	7	NC	4
2275		3	max	0	7	0.221	7	0.001	6	0.001	7	NC	6	NC	7
2276			min	-0.003	4	0	4	0	5	0	4	675.009	7	NC	4
2277		4	max	0	7	0.129	7	0	6	0.001	7	NC	6	NC	7
2278			min	-0.003	4	0	4	0	5	0	4	1159.259	7	NC	4
2279		5	max	0	7	0	7	0	7	0.001	7	NC	7	NC	7
2280			min	-0.004	4	0	4	0	4	0	4	NC	4	NC	4
2281	M488	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2282			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2283		2	max	0	7	0.309	7	0	7	0	7	NC	6	NC	7
2284			min	-0.001	4	0	4	0	4	0	4	762.704	7	NC	4
2285		3	max	0	7	0.433	7	0	7	0	7	NC	6	NC	7
2286			min	-0.001	4	0	4	0	4	0	4	543.427	7	NC	4
2287		4	max	0	7	0.309	7	0	7	0	7	NC	6	NC	7
2288			min	-0.002	4	0	4	0	4	0	4	762.704	7	NC	4
2289		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2290			min	-0.003	4	0	4	0	4	0	4	NC	4	NC	4
2291	M489	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2292			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2293		2	max	0	7	0.241	7	0	7	0	7	NC	6	NC	7
2294			min	-0.001	4	0	4	0	4	0	4	975.861	7	NC	4
2295		3	max	0	7	0.339	7	0	7	0	7	NC	6	NC	7
2296			min	-0.001	4	0	4	0	4	0	4	695.301	7	NC	4
2297		4	max	0	7	0.241	7	0	7	0	7	NC	6	NC	7
2298			min	-0.002	4	0	4	0	4	0	4	975.861	7	NC	4
2299		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2300			min	-0.002	4	0	4	0	4	0	4	NC	4	NC	4
2301	M490	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2302			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2303		2	max	0	7	0.087	7	0	7	0	7	NC	6	NC	7
2304			min	0	4	0	4	0	4	0	4	2708.75	7	NC	4
2305		3	max	0	7	0.122	7	0	7	0	7	NC	6	NC	7
2306			min	-0.001	4	0	4	0	4	0	4	1929.985	7	NC	4
2307		4	max	0	7	0.087	7	0	7	0	7	NC	6	NC	7
2308			min	-0.001	4	0	4	0	4	0	4	2708.75	7	NC	4
2309		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2310			min	-0.001	4	0	4	0	4	0	4	NC	4	NC	4
2311	M491	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2312			min	0	4	0	4	0	4	-0.004	7	NC	4	NC	4
2313		2	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2314			min	0	4	0	4	0	4	-0.004	7	NC	4	NC	4
2315		3	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2316			min	0	4	0	4	0	4	-0.004	7	NC	4	NC	4
2317		4	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2318			min	0	4	0	4	0	4	-0.004	7	NC	4	NC	4
2319		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2320			min	0	4	0	4	0	4	-0.004	7	NC	4	NC	4
2321	M492	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2322			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
2323		2	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2324			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
2325		3	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2326			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
2327		4	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2328			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
2329		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2330			min	0	4	0	4	0	4	-0.011	7	NC	4	NC	4
2331	M493	1	max	0	7	0	7	0	7	0	4	NC	7	NC	7
2332			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
2333		2	max	0	7	0	7	0	7	0	4	NC	7	NC	7
2334			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
2335		3	max	0	7	0	7	0	7	0	4	NC	7	NC	7
2336			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
2337		4	max	0	7	0	7	0	7	0	4	NC	7	NC	7
2338			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
2339		5	max	0	7	0	7	0	7	0	4	NC	7	NC	7
2340			min	0	4	0	4	0	4	-0.005	7	NC	4	NC	4
2341	M494	1	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2342			min	0	4	0	4	0	4	-0.007	7	NC	4	NC	4
2343		2	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2344			min	0	4	0	4	0	4	-0.007	7	NC	4	NC	4
2345		3	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2346			min	0	4	0	4	0	4	-0.007	7	NC	4	NC	4
2347		4	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2348			min	0	4	0	4	0	4	-0.007	7	NC	4	NC	4
2349		5	max	0	7	0	7	0	7	0	6	NC	7	NC	7
2350			min	0	4	0	4	0	4	-0.007	7	NC	4	NC	4
2351	M496	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2352			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2353		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2354			min	0	4	0	6	0	4	0	4	NC	4	NC	4
2355		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2356			min	0	4	0	6	0	4	0	4	NC	4	NC	4
2357		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2358			min	0	4	0	6	0	4	0	4	NC	4	NC	4
2359		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2360			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2361	M497	1	max	0	7	0.003	6	0	6	0	6	NC	7	NC	7
2362			min	-0.001	6	0	7	0	7	0	7	NC	4	NC	4
2363		2	max	0	7	0.009	6	0.001	6	0	6	NC	7	NC	7
2364			min	-0.001	6	0	7	0	7	0	7	8599.298	6	NC	4
2365		3	max	0	7	0.012	6	0.001	6	0	6	NC	7	NC	7
2366			min	-0.001	6	0	7	0	7	0	7	5831.741	6	NC	4
2367		4	max	0	7	0.009	6	0.001	6	0	6	NC	7	NC	7
2368			min	-0.001	6	0	7	0	7	0	7	8332.419	6	NC	4
2369		5	max	0	7	0.003	6	0	7	0	6	NC	7	NC	7
2370			min	-0.001	6	0	7	0	6	0	7	NC	4	NC	4
2371	M498	1	max	0.001	6	0.003	6	0	7	0	6	NC	7	NC	7
2372			min	0	7	0	7	0	6	0	7	NC	4	NC	4
2373		2	max	0.001	6	0.009	6	0.001	6	0	6	NC	7	NC	7
2374			min	0	7	0	7	0	7	0	7	8332.418	6	NC	4
2375		3	max	0.001	6	0.012	6	0.001	6	0	6	NC	7	NC	7
2376			min	0	7	0	7	0	7	0	7	5831.742	6	NC	4
2377		4	max	0.001	6	0.009	6	0.001	6	0	6	NC	7	NC	7
2378			min	0	7	0	7	0	7	0	7	8599.299	6	NC	4
2379		5	max	0.001	6	0.003	6	0	6	0	6	NC	7	NC	7
2380			min	0	7	0	7	0	7	0	7	NC	4	NC	4
2381	M499	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
2382			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2383		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2384			min	0	4	0	6	0	4	0	4	NC	4	NC	4
2385		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2386			min	0	4	0	6	0	4	0	4	NC	4	NC	4
2387		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2388			min	0	4	0	6	0	4	0	4	NC	4	NC	4
2389		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2390			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2391	M500	1	max	0	7	0	7	0.841	7	0	6	NC	7	NC	7
2392			min	0	4	-0.004	4	0	5	0	7	NC	4	NC	4
2393		2	max	0	7	0	7	0.768	7	0	6	NC	7	NC	6
2394			min	0	4	-0.154	6	0	5	0	7	1058.576	4	2618.711	7
2395		3	max	0	7	0	7	0.661	7	0	6	NC	7	NC	6
2396			min	0	4	-0.22	6	0	5	0	7	753.638	4	1865.786	7
2397		4	max	0	7	0	7	0.507	7	0	6	NC	7	NC	6
2398			min	0	4	-0.171	6	0	5	0	7	1057.153	4	2619.098	7
2399		5	max	0	7	0	7	0.32	7	0	6	NC	7	NC	7
2400			min	0	4	-0.037	6	0	5	0	7	NC	4	NC	4
2401	M501	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2402			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2403		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2404			min	0	4	0	6	0	4	0	4	NC	4	NC	4
2405		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2406			min	0	4	0	6	0	4	0	4	NC	4	NC	4
2407		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2408			min	0	4	0	6	0	4	0	4	NC	4	NC	4
2409		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2410			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2411	M502	1	max	0	7	0	7	0	7	0.001	6	NC	7	NC	7
2412			min	0	4	0	4	0	4	0	7	NC	4	NC	4
2413		2	max	0	7	0.003	6	0	7	0.001	6	NC	7	NC	7
2414			min	0	6	0	7	-0.001	6	0	7	NC	4	NC	4
2415		3	max	0	7	0.006	6	0	7	0.001	6	NC	7	NC	7
2416			min	0	6	0	7	-0.001	6	0	7	NC	4	NC	4
2417		4	max	0	7	0.004	6	0	7	0.001	6	NC	7	NC	7
2418			min	0	6	0	7	-0.001	6	0	7	NC	4	NC	4
2419		5	max	0	7	0	7	0	7	0.001	6	NC	7	NC	7
2420			min	0	4	0	4	0	4	0	7	NC	4	NC	4
2421	M503	1	max	0	7	0	6	0	7	0	7	NC	7	NC	7
2422			min	0	4	0	7	0	6	0	4	NC	4	NC	4
2423		2	max	0	7	0.003	6	0	6	0.001	6	NC	7	NC	7
2424			min	0	4	0	7	0	7	0	7	NC	4	NC	4
2425		3	max	0	7	0.005	6	0.001	6	0	6	NC	7	NC	7
2426			min	0	4	0	7	0	7	0	7	NC	4	NC	4
2427		4	max	0	7	0.003	6	0.001	6	0	6	NC	7	NC	7
2428			min	0	4	0	7	0	7	0	7	NC	4	NC	4
2429		5	max	0	7	0	6	0	7	0	7	NC	7	NC	7
2430			min	0	4	0	7	0	6	0	4	NC	4	NC	4
2431	M504	1	max	0	7	0	6	0	7	0	7	NC	7	NC	7
2432			min	0	4	0	7	0	6	0	4	NC	4	NC	4
2433		2	max	0	7	0.003	6	0.001	6	0	6	NC	7	NC	7
2434			min	0	4	0	7	0	7	0	7	NC	4	NC	4
2435		3	max	0	7	0.005	6	0.001	6	0	6	NC	7	NC	7
2436			min	0	4	0	7	0	7	0	7	NC	4	NC	4

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
2437		4	max	0	7	0.003	6	0	6	0.001	6	NC	7	NC	7
2438			min	0	4	0	7	0	7	0	7	NC	4	NC	4
2439		5	max	0	7	0	6	0	7	0	7	NC	7	NC	7
2440			min	0	4	0	7	0	6	0	4	NC	4	NC	4
2441	M505	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2442			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2443		2	max	0	7	0.208	7	0	7	0	7	NC	6	NC	7
2444			min	-0.021	6	0	4	0	4	0	4	937.637	7	NC	4
2445		3	max	0	7	0.311	7	0	7	0	7	NC	6	NC	7
2446			min	-0.041	6	0	4	0	4	0	4	626.651	7	NC	4
2447		4	max	0	7	0.222	7	0	7	0	7	NC	6	NC	7
2448			min	-0.061	6	0	4	0	4	0	4	878.513	7	NC	4
2449		5	max	0	7	0.001	7	0	7	0	7	NC	7	NC	7
2450			min	-0.081	6	0	4	0	4	0	4	NC	4	NC	4
2451	M506	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2452			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2453		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2454			min	-0.014	6	0	4	0	4	0	4	NC	4	NC	4
2455		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2456			min	-0.027	6	0	4	0	4	0	4	NC	4	NC	4
2457		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2458			min	-0.041	6	0	4	0	4	0	4	NC	4	NC	4
2459		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2460			min	-0.054	6	0	4	0	4	0	4	NC	4	NC	4
2461	M507	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2462			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2463		2	max	0	7	0.216	7	0	7	0	7	NC	6	NC	7
2464			min	-0.017	6	0	5	0	4	0	4	944.172	7	NC	4
2465		3	max	0	7	0.32	7	0	7	0	7	NC	6	NC	7
2466			min	-0.035	6	0	5	0	4	0	4	636.304	7	NC	4
2467		4	max	0	7	0.226	7	0	7	0	7	NC	6	NC	7
2468			min	-0.052	6	0	5	0	4	0	4	901.767	7	NC	4
2469		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2470			min	-0.068	6	0	5	0	4	0	4	NC	4	NC	4
2471	M508	1	max	0	7	0	7	1.02	7	0	6	NC	7	NC	7
2472			min	0	4	-0.005	4	0	5	-0.001	7	NC	4	NC	4
2473		2	max	0	7	0	7	0.98	7	0	6	NC	7	NC	6
2474			min	0	4	-0.356	6	0	4	-0.001	7	548.397	4	1355.472	7
2475		3	max	0	7	0	7	0.858	7	0	6	NC	7	NC	6
2476			min	0	4	-0.504	6	0	4	-0.001	7	390.56	4	965.747	7
2477		4	max	0	7	0	7	0.625	7	0	6	NC	7	NC	6
2478			min	0	4	-0.377	6	0	4	-0.001	7	547.752	4	1355.122	7
2479		5	max	0	7	0	7	0.31	7	0	6	NC	7	NC	7
2480			min	0	4	-0.046	6	0	4	-0.001	7	NC	4	NC	4
2481	M509	1	max	0	7	0	7	0.31	7	0.001	7	NC	7	NC	7
2482			min	0	4	-0.046	6	0	4	0	4	NC	4	NC	4
2483		2	max	0	7	0	7	0.497	7	0.001	7	NC	7	NC	6
2484			min	0	4	-0.178	6	0	4	0	4	1055.145	4	2612.61	7
2485		3	max	0	7	0	7	0.65	7	0.001	7	NC	7	NC	6
2486			min	0	4	-0.224	6	0	4	0	4	752.452	4	1862.086	7
2487		4	max	0	7	0	7	0.757	7	0.001	7	NC	7	NC	6
2488			min	0	4	-0.157	6	0	4	0	4	1056.495	4	2613.395	7
2489		5	max	0	7	0	7	0.83	7	0.001	7	NC	7	NC	7
2490			min	0	4	-0.004	6	0	5	0	4	NC	4	NC	4
2491	M510	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7

Envelope Member Section Deflections - Service (Continued)

	Member	Sec		x [in]	LC	y [in]	LC	z [in]	LC	x Rotate [rad]	LC	(n) L/y' Ratio	LC	(n) L/z' Ratio	LC
2492			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2493		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2494			min	-0.001	6	0	4	0	4	0	4	NC	4	NC	4
2495		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2496			min	-0.002	6	0	4	0	4	0	4	NC	4	NC	4
2497		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2498			min	-0.003	6	0	4	0	4	0	4	NC	4	NC	4
2499		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2500			min	-0.004	6	0	4	0	4	0	4	NC	4	NC	4
2501	M511	1	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2502			min	0	4	0	4	0	4	0	4	NC	4	NC	4
2503		2	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2504			min	-0.001	6	0	5	0	4	0	4	NC	4	NC	4
2505		3	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2506			min	-0.002	6	0	5	0	4	0	4	NC	4	NC	4
2507		4	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2508			min	-0.003	6	0	5	0	4	0	4	NC	4	NC	4
2509		5	max	0	7	0	7	0	7	0	7	NC	7	NC	7
2510			min	-0.004	6	0	5	0	4	0	4	NC	4	NC	4
2511	M512	1	max	0	7	0	7	0	7	0.001	6	NC	7	NC	7
2512			min	0	4	-2.092	6	0	4	0	7	NC	4	NC	4
2513		2	max	0	7	0	7	0	7	0.001	6	NC	7	NC	7
2514			min	0	4	-1.641	6	0	4	0	7	2857.004	6	NC	4
2515		3	max	0	7	0	7	0	7	0.001	6	NC	7	NC	7
2516			min	0	4	-1.148	6	0	4	0	7	2049.204	6	NC	4
2517		4	max	0	7	0	7	0	7	0.001	6	NC	7	NC	7
2518			min	0	4	-0.596	6	0	4	0	7	2916.954	6	NC	4
2519		5	max	0	7	0	7	0	7	0.001	6	NC	7	NC	7
2520			min	0	4	-0.004	6	0	4	0	7	NC	4	NC	4

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [k]	phi*Pnt [k]	phi*Mn y-y [k-ft]	phi*Mn z-z [k-ft]	Cb	Eqn
1	M5	W24X55	0.83	16.862	13	0.176	0	y	13	172.356	729	49.815	491.078	1	H1-1b
2	M6	HSS5X5X4	0.652	0	13	0.014	16.241	y	18	91.731	193.5	28.537	28.537	1	H1-1a*
3	M7	W18X35	0.212	7.775	13	0.081	0	y	13	234.108	463.5	30.225	237.89	1	H1-1b
4	M8	HSS5X5X4	0.24	16.242	13	0	16.242	y	8	91.729	193.5	28.537	28.537	1.136	H1-1a*
5	M9	HSS6X6X6	0.198	0	13	0	16.241	y	18	200.177	341.1	59.25	59.25	1	H1-1b*
6	M10	W24X55	0.677	18.039	13	0.138	0	y	13	172.356	729	49.815	491.078	1	H1-1b
7	M11	HSS6X6X6	0.181	0	13	0	16.96	y	18	190.757	341.1	59.25	59.25	1	H1-1b*
8	M12	HSS5X5X4	0.575	0	13	0.012	16.96	y	18	85.743	193.5	28.537	28.537	1	H1-1a*
9	M13	HSS5X5X4	0.148	16.96	13	0	16.96	y	8	85.741	193.5	28.537	28.537	1.136	H1-1b*
10	M14	W14X22	0.389	7.177	13	0.13	14.354	y	13	130.446	292.05	16.462	113.217	1	H1-1b
11	M15	HSS6X6X6	0.189	0	13	0	16.96	y	18	190.757	341.1	59.25	59.25	1	H1-1b*
12	M16	W24X55	0.733	18.039	13	0.147	0	y	13	172.356	729	49.815	491.078	1	H1-1b
13	M17	HSS5X5X4	0.602	0	13	0.009	16.96	y	18	85.743	193.5	28.537	28.537	1	H1-1a*
14	M18	HSS5X5X4	0.173	16.96	13	0	16.96	y	8	85.741	193.5	28.537	28.537	1.136	H1-1b*
15	M19	W14X22	0.421	7.476	13	0.154	14.354	y	13	130.446	292.05	16.462	113.217	1	H1-1b
16	M40	HSS5X5X4	0.039	2.972	8	0.012	0	y	8	168.725	193.5	28.537	28.537	1.141	H1-1b
17	M49	HSS5X5X4	0.199	7.943	8	0.026	15.562	y	8	97.511	193.5	28.537	28.537	1.138	H1-1b
18	M63	HSS5X5X4	0.129	6.64	8	0.021	12.499	y	8	124.362	193.5	28.537	28.537	1.139	H1-1b
19	M74	HSS5X5X4	0.128	6.641	8	0.02	0	y	8	124.35	193.5	28.537	28.537	1.139	H1-1b
20	M86	HSS5X5X4	0.129	6.64	8	0.021	12.499	y	8	124.362	193.5	28.537	28.537	1.138	H1-1b
21	M96	HSS5X5X4	0.128	6.641	8	0.021	12.501	y	8	124.35	193.5	28.537	28.537	1.139	H1-1b
22	M107	HSS5X5X4	0.031	2.716	8	0.01	6.208	y	8	173.511	193.5	28.537	28.537	1.151	H1-1b
23	M116	HSS5X5X4	0.01	1.354	8	0.018	3.333	z	18	187.512	193.5	28.537	28.537	1.208	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [k]	phi*Pnt [k]	phi*Mn y-y [k-ft]	phi*Mn z-z [k-ft]	Cb	Eqn
24	M134	W14X22	0.847	15.437	13	0.037	26	y	13	16.245	292.05	16.462	23.422	1.207	H1-1b
25	M135	W14X22	0.847	15.437	13	0.037	26	y	13	16.245	292.05	16.462	23.422	1.207	H1-1b
26	M138	L4X4X4	0.077	5.2	13	0.016	5.2	y	13	47.356	86.85	3.865	8.221	1.5	H2-1
27	M139	L4X4X4	0.061	2.083	13	0.009	4	y	13	51.745	86.85	4.358	8.18	1.111	H2-1
28	M140	L4X4X4	0.071	0	13	0.011	0	y	13	47.356	86.85	3.865	7.993	1.321	H2-1
29	M141	L4X4X4	0.072	5.2	13	0.011	5.2	y	13	47.356	86.85	3.865	7.991	1.319	H2-1
30	M142	L4X4X4	0.075	0	13	0.015	0	y	13	47.356	86.85	3.865	8.221	1.5	H2-1
31	M143	L4X4X4	0.057	2	13	0.008	4	y	13	51.745	86.85	4.358	8.182	1.112	H2-1
32	M146	L4X4X4	0.072	5.2	13	0.011	5.2	y	13	47.356	86.85	3.865	7.991	1.319	H2-1
33	M147	L4X4X4	0.075	0	13	0.015	0	y	13	47.356	86.85	3.865	8.221	1.5	H2-1
34	M148	L4X4X4	0.057	2	13	0.008	4	y	13	51.745	86.85	4.358	8.182	1.112	H2-1
35	M154	L4X4X4	0.066	0	13	0.015	0	y	13	47.356	86.85	3.865	8.221	1.5	H2-1
36	M156	L4X4X4	0.066	5.2	13	0.015	5.2	y	13	47.356	86.85	3.865	8.221	1.5	H2-1
37	M151	L4X4X4	0.058	2	13	0.008	4	z	13	51.745	86.85	4.358	8.184	1.113	H2-1
38	M261	W14X22	0.421	7.476	13	0.154	14.354	y	13	130.446	292.05	16.462	113.217	1	H1-1b
39	M392	HSS5X5X4	0.18	16.96	13	0	16.96	y	8	85.741	193.5	28.537	28.537	1.136	H1-1b*
40	M394	W14X22	0.43	7.626	13	0.16	14.354	y	13	130.446	292.05	16.462	113.217	1	H1-1b
41	M398	W14X22	0.298	8.313	13	0.028	0	y	13	38.094	292.05	16.462	40.073	1.148	H1-1b
42	M402	HSS5X5X4	0.587	0	13	0.009	16.96	y	18	85.743	193.5	28.537	28.537	1	H1-1a*
43	M405	L4X4X4	0.076	5.2	13	0.015	5.2	y	13	47.356	86.85	3.865	8.221	1.5	H2-1
44	M406	HSS5X5X4	0.039	2.972	8	0.012	0	y	8	168.725	193.5	28.537	28.537	1.141	H1-1b
45	M410	L4X4X4	0.076	0	13	0.015	0	y	13	47.356	86.85	3.865	8.221	1.5	H2-1
46	M411	L4X4X4	0.078	0	13	0.016	0	y	13	47.356	86.85	3.865	8.221	1.5	H2-1
47	M415	W24X55	0.71	19.215	13	0.142	0	y	13	172.356	729	49.815	491.078	1	H1-1b
48	M420	HSS5X5X4	0.031	2.716	8	0.01	6.208	y	8	173.511	193.5	28.537	28.537	1.151	H1-1b
49	M426	L4X4X4	0.061	1.917	13	0.009	0	y	13	51.745	86.85	4.358	8.179	1.111	H2-1
50	M429	HSS5X5X4	0.128	6.641	8	0.021	12.501	y	8	124.35	193.5	28.537	28.537	1.139	H1-1b
51	M434	W24X55	0.83	16.862	13	0.176	0	y	13	172.356	729	49.815	491.078	1	H1-1b
52	M437	W18X35	0.213	7.775	13	0.081	0	y	13	234.108	463.5	30.225	237.89	1	H1-1b
53	M441	W24X55	0.628	18.823	13	0.13	37.646	y	13	172.356	729	49.815	491.078	1	H1-1b
54	M442	HSS5X5X4	0.01	1.354	8	0.018	3.333	z	18	187.512	193.5	28.537	28.537	1.208	H1-1b
55	M443	HSS5X5X4	0.386	0	13	0	16.96	y	18	85.743	193.5	28.537	28.537	1	H1-1a*
56	M445	L4X4X4	0.074	0	13	0.011	0	y	13	47.356	86.85	3.865	7.974	1.309	H2-1
57	M447	HSS5X5X4	0.412	0	13	0	16.96	y	18	85.743	193.5	28.537	28.537	1	H1-1a*
58	M450	L4X4X4	0.074	5.2	13	0.011	5.2	y	13	47.356	86.85	3.865	7.974	1.309	H2-1
59	M454	L4X4X4	0.066	2	13	0.009	4	z	13	51.745	86.85	4.358	8.181	1.112	H2-1
60	M461	HSS5X5X4	0.241	16.242	13	0	16.242	y	8	91.729	193.5	28.537	28.537	1.136	H1-1a*
61	M466	HSS5X5X4	0.129	6.64	8	0.021	12.499	y	8	124.362	193.5	28.537	28.537	1.138	H1-1b
62	M467	HSS5X5X4	0.173	16.96	13	0	16.96	y	8	85.741	193.5	28.537	28.537	1.136	H1-1b*
63	M497	L4X4X4	0.057	2.042	13	0.008	0	y	13	51.745	86.85	4.358	8.181	1.112	H2-1
64	M498	L4X4X4	0.057	1.958	13	0.008	4	y	13	51.745	86.85	4.358	8.181	1.112	H2-1
65	M500	HSS5X5X4	0.128	6.641	8	0.02	0	y	8	124.35	193.5	28.537	28.537	1.139	H1-1b
66	M502	L4X4X4	0.071	5.2	13	0.011	5.2	y	13	47.356	86.85	3.865	7.983	1.315	H2-1
67	M503	L4X4X4	0.067	0	13	0.016	0	y	13	47.356	86.85	3.865	8.221	1.5	H2-1
68	M504	L4X4X4	0.067	5.2	13	0.016	5.2	y	13	47.356	86.85	3.865	8.221	1.5	H2-1
69	M505	HSS5X5X4	0.652	0	13	0.014	16.241	y	18	91.731	193.5	28.537	28.537	1	H1-1a*
70	M506	HSS5X5X4	0.429	0	13	0	16.241	y	18	91.731	193.5	28.537	28.537	1	H1-1a*
71	M507	HSS5X5X4	0.559	0	13	0.012	16.96	y	18	85.743	193.5	28.537	28.537	1	H1-1a*
72	M508	HSS5X5X4	0.199	7.943	8	0.026	15.562	y	8	97.511	193.5	28.537	28.537	1.138	H1-1b
73	M509	HSS5X5X4	0.129	6.64	8	0.021	12.499	y	8	124.362	193.5	28.537	28.537	1.139	H1-1b
74	M510	HSS4X4X4	0.055	0	13	0	16.96	y	18	42.542	151.65	17.588	17.588	1	H1-1b*
75	M511	HSS4X4X4	0.055	0	13	0	16.96	y	18	42.542	151.65	17.588	17.588	1	H1-1b*
76	M512	W14X22	0.298	8.313	13	0.028	0	y	13	38.094	292.05	16.462	40.073	1.148	H1-1b

Envelope AISI S100-16: LRFD Member Cold Formed Steel Code Checks

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pn[k]	phi*Tn[k]	phi*Mnyy[k-ft]	phi*Mnzz[k-ft]	phi*Vny[k]	phi*Vnz[k]	Cb	Eqn
1	M38	600S162-43	0.182	9.813	18	0.03	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
2	M39	600S162-43	0.362	9.813	18	0.06	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
3	M41	2-600S162-43-BB	0.525	8.995	18	0.057	19.625	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
4	M42	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
5	M43	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
6	M44	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
7	M45	600S162-43	0.107	5.313	18	0.033	0	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
8	M46	600S162-43	0.065	5.313	18	0.02	0	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
9	M47	2-600S162-43-BB	0.503	8.995	18	0.051	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
10	M48	2-600S162-43-BB	**1.042**	8.995	18	0.1	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
11	M50	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
12	M51	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
13	M52	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
14	M53	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
15	M54	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
16	M55	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
17	M56	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
18	M57	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
19	M58	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
20	M59	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
21	M60	600S162-43	0.101	5.645	18	0.036	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
22	M64	600S162-43	0.115	5.534	18	0.039	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
23	M65	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
24	M66	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
25	M67	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
26	M68	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
27	M69	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
28	M70	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
29	M71	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
30	M72	2-600S162-43-BB	0.851	8.995	18	0.083	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
31	M73	2-600S162-43-BB	0.852	8.995	18	0.083	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
32	M75	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
33	M76	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
34	M77	600S162-43	0.12	5.313	18	0.037	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
35	M78	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
36	M79	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
37	M80	600S162-43	0.12	5.313	18	0.037	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
38	M81	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
39	M82	600S162-43	0.129	5.534	18	0.045	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
40	M85	2-600S162-43-BB	0.85	8.995	18	0.083	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
41	M87	600S162-43	0.112	5.645	18	0.042	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
42	M88	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
43	M89	600S162-43	0.12	5.313	18	0.037	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
44	M90	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
45	M91	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
46	M92	600S162-43	0.12	5.313	18	0.037	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
47	M93	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
48	M94	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
49	M95	2-600S162-43-BB	0.851	8.995	18	0.083	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
50	M97	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
51	M98	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
52	M99	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
53	M100	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
54	M101	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
55	M102	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1

Envelope AISI S100-16: LRFD Member Cold Formed Steel Code Checks (Continued)

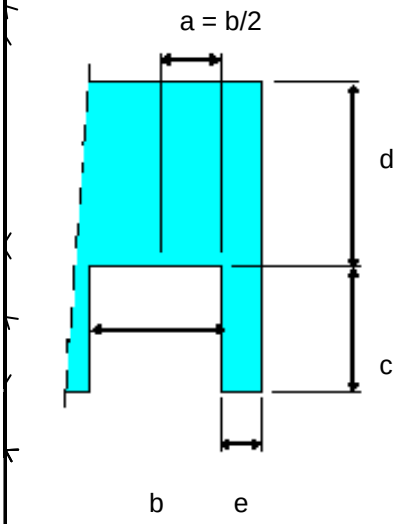
	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pn[k]	phi*Tn[k]	phi*Mnyy[k-ft]	phi*Mnzz[k-ft]	phi*Vny[k]	phi*Vnz[k]	Cb	Eqn
56	M103	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
57	M104	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
58	M108	2-600S162-43-BB	0.479	8.995	18	0.051	19.625	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
59	M109	600S162-43	0.109	5.423	18	0.036	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
60	M110	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
61	M111	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
62	M112	600S162-43	0.089	5.313	18	0.027	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
63	M113	600S162-43	0.364	9.813	18	0.061	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
64	M114	600S162-43	0.319	9.813	18	0.053	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
65	M115	2-600S162-43-BB	0.247	7.359	18	0.033	19.625	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
66	M117	600S162-43	0.196	5.321	18	0.045	12.458	y	18	6.866	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
67	M118	600S162-43	0.184	4.412	18	0.037	12.458	y	18	6.866	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
68	M119	2-600S162-43-BB	0.297	7.155	18	0.039	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
69	M120	600S162-43	0.365	9.813	18	0.061	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
70	M121	600S162-43	0.285	9.813	18	0.048	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
71	M122	600S162-43	0.103	9.813	18	0.017	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
72	M123	600S162-43	0.075	5.313	18	0.023	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
73	M124	600S162-43	0.08	5.313	18	0.025	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
74	M125	600S162-43	0.082	5.534	18	0.03	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
75	M255	600S162-43	0.319	9.813	18	0.053	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
76	M256	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
77	M257	2-600S162-43-BB	0.297	7.155	18	0.039	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
78	M258	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
79	M259	2-600S162-43-BB	0.525	8.995	18	0.057	19.625	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
80	M260	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
81	M393	600S162-43	0.184	4.412	18	0.037	12.458	y	18	6.866	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
82	M395	2-600S162-43-BB	0.851	8.995	18	0.083	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
83	M396	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
84	M397	600S162-43	0.12	5.313	18	0.037	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
85	M399	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
86	M400	2-600S162-43-BB	0.852	8.995	18	0.083	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
87	M403	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
88	M404	600S162-43	0.075	5.313	18	0.023	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
89	M407	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
90	M409	600S162-43	0.08	5.313	18	0.025	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
91	M412	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
92	M413	2-600S162-43-BB	0.85	8.995	18	0.083	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
93	M414	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
94	M416	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
95	M419	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
96	M421	2-600S162-43-BB	0.479	8.995	18	0.051	19.625	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
97	M423	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
98	M424	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
99	M427	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
100	M428	600S162-43	0.12	5.313	18	0.037	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
101	M430	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
102	M431	600S162-43	0.107	5.313	18	0.033	0	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
103	M432	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
104	M433	600S162-43	0.102	5.645	18	0.036	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
105	M435	2-600S162-43-BB	0.503	8.995	18	0.051	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
106	M436	600S162-43	0.362	9.813	18	0.06	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
107	M438	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
108	M439	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
109	M440	600S162-43	0.082	5.534	18	0.03	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
110	M444	2-600S162-43-BB	0.851	8.995	18	0.083	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1

Envelope AISI S100-16: LRFD Member Cold Formed Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pn[k]	phi*Tn[k]	phi*Mnyy[k-ft]	phi*Mnzz[k-ft]	phi*Vny[k]	phi*Vnz[k]	Cb	Eqn
111	M446	600S162-43	0.089	5.313	18	0.027	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
112	M448	600S162-43	0.182	9.813	18	0.03	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
113	M449	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
114	M451	600S162-43	0.109	5.423	18	0.036	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
115	M452	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
116	M453	600S162-43	0.065	5.313	18	0.02	0	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
117	M455	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
118	M456	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
119	M457	2-600S162-43-BB	0.247	7.359	18	0.033	19.625	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
120	M458	2-600S162-43-BB	**1.042**	8.995	18	0.1	0	y	18	10.313	26.552	NC	3.519	4.303	-0.95	1	H1.2-1
121	M459	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
122	M460	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
123	M462	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
124	M463	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
125	M464	600S162-43	0.114	5.534	18	0.039	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
126	M465	600S162-43	0.129	5.534	18	0.045	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
127	M468	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
128	M469	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
129	M470	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
130	M471	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
131	M472	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
132	M473	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
133	M474	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
134	M475	600S162-43	0.12	5.313	18	0.037	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
135	M476	600S162-43	0.112	5.645	18	0.042	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
136	M477	600S162-43	0.12	5.313	18	0.037	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
137	M478	600S162-43	0.1	5.313	18	0.031	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
138	M479	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
139	M480	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
140	M481	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
141	M482	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
142	M483	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
143	M484	600S162-43	0.107	5.313	18	0.033	10.625	y	18	7.192	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
144	M486	600S162-43	0.364	9.813	18	0.061	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
145	M487	600S162-43	0.196	5.321	18	0.045	12.458	y	18	6.866	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
146	M488	600S162-43	0.365	9.813	18	0.061	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
147	M489	600S162-43	0.285	9.813	18	0.048	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1
148	M490	600S162-43	0.103	9.813	18	0.017	19.625	y	18	5.344	13.276	0.302	1.76	2.151	2.362	1	H1.2-1

Job Name = Goldfish Swimschoo
Job Number = 2220785
Wall Type = Concrete Tilt-up Wall
Wall Description = Wall Loading Only

Wall Ht =	18.6667	ft	**Wall Weight at Mid Height**		
b =	0.001	ft	Wt of Concrete=	150	pcf
c =	10	ft	Wall Thickness=	7.25	in.
e =	1.00	ft	Concentric Load=	1	plf
d =	8.6667	ft	Seismic Fp=.4Sd*=	0.4044	Wp
a =	0.0005	ft			



Roof Weight

Joist Span=	5.2	feet
Dead Load=	1026.5	psf
Snow Load=	1222	psf
Live Roof =	0	psf
Live Floor=	0	psf
eccentricity	6.125	inch
equiv DL =	2670.2345	plf
equiv SL =	3178.7886	plf
equiv Lr =	0	plf
equiv LL =	0	plf

Equivalent Wind and Seismic Load

P wind =	17.6	psf
P seismic =	36.6	psf
P wind equiv =	17.6	psf
P seismic equiv =	36.7	psf

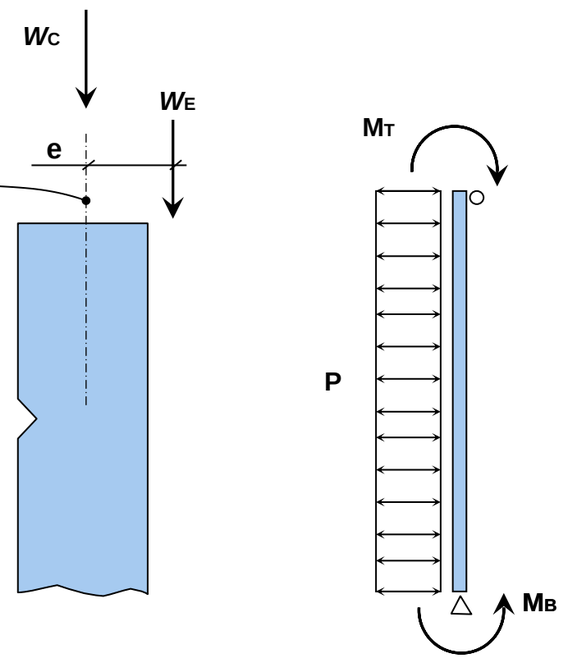
PRCTI20221793

Alternate Concrete Slender Wall Design (ACI 318-14 Sect 11.8)

If you need to make modifications to any other part of the spreadsheet besides the yellow cells the password is "save"

Job Name =	**Goldfish Swimschool**
Job Number =	**2220785.00**
Wall Type =	**Concrete Tilt-up Wall**
Wall Description =	**Wall Loading Only**

See ACI 11.8.2 for distribution of concentrated forces



D = Dead Load
S = Snow Load
Lr = Roof Live Load
L = Occupancy Live Load
H = Soil Load
E = Seismic Load (Ultimate)
W = Wind Load

DESIGN SUMMARY	
Wall Ht Btwn Supports (ft)	18.6667
Total Wall Ht w/ Parapet (ft)	21
Total Wall Thickness (in)	7.25
Reveal Depth (in)	1
Structural Thickness (in)	6.25
Pier Width (ft)	1.00
Number of Bars Ea Face (or at Center) of Pier	1.00
Concrete Strength (psi)	3500
Reinforcement	(1) Layer
	#4 Rebar @
	12" o.c.
Max Deflection	L / 1596
% of Flexural Capacity	-2509%

Hand Input
Potential Hand Input
Output

NG - Pu too big

Applied Loads

S	What is the controlling type of roof load? Snow or Roof Live Load? (Enter "S" or "Lr")	
NO	Are you applying occupancy live loads for places of public assembly, or live loads in excess of 100 psf, or parking garage live loads? (YES: f_1 = 1.0, NO: f_1 = 0.5)	
YES	Do you have a roof config that prevents snow from shedding off the structure? (YES: f_2 = 0.7, NO: f_2 = 0.2)	
YES	Is the design snow load less than or equal to 30 psf?	
1.011	Seismic: Sds	
f_1 =	0.5	
f_2 =	0.7	

Uniform Concentric Applied Loads (W_C)

Dead - D (plf)	1 (tributary wall weight at midheight)
Snow - S (plf)	0
Roof Live - Lr (plf)	0
Occupancy Live - L (plf)	0
Soil - H (plf)	0

Uniform Eccentric Applied Loads (W_E)

Eccentricity (in)	6.125
Dead - D (plf)	2670.23445
Snow - S (plf)	3178.7886
Roof Live - Lr (plf)	0
Occupancy Live - L (plf)	0
Soil - H (plf)	0

Moment at Top (lb-ft/ft) = W_E * e

D =	1363
S =	1623
Lr =	0
L =	0
H =	0

Moment at Mid-Ht (lb-ft/ft) = 1/2 M_{TOP}

D =	681
S =	811
Lr =	0
L =	0
H =	0

Uniform Moments Applied

	(M_{TOP})	(M_{BOT})
Dead - D (lb-ft/ft)	0	0
Snow - S (lb-ft/ft)	0	0
Roof Live - Lr (lb-ft/ft)	0	0
Occupancy Live - L (lb-ft/ft)	0	0
Soil - H (lb-ft/ft)	0	0
Seismic (Ultimate) - E (lb-ft/ft)	0	0
Wind - W (lb-ft/ft)	0	0

Moment @ Mid-Ht (lb-ft/ft) = 1/2 (M_{TOP} + M_{BOT})

D =	0
S =	0
Lr =	0
L =	0
H =	0
E =	0
W =	0

The uniform moments applied to the top and bottom of the wall can be used to model loads from a wall above or below, or to model lateral parapet forces. Enter *positive numbers to increase* the moment induced at the mid-height of the wall being designed and *negative numbers to reduce* the moment.

Note that soil forces are not allowed to counteract wind or seismic forces. In addition, soil forces that counteract other forces are not allowed to be factored and should be accounted for in hand calcs.

Equivalent Uniform Lateral Applied Loads (P)

Seismic (Ultimate) - E (psf)	36.7
Wind - W (psf)	17.6

Moment @ Mid-Ht (lb-ft/ft) = 1/8 PL^2

E =	1597
W =	768

Total Uniform Axial Load at Mid-Height of Wall

Dead - D (plf)	3728
Snow - S (plf)	3179
Roof Live - Lr (plf)	0
Occupancy Live - L (plf)	0
Soil - H (plf)	0

Total Uniform Moment at Mid-Height of Wall

Dead - D (lb-ft/ft)	681
Snow - S (lb-ft/ft)	811
Roof Live - Lr (lb-ft/ft)	0
Occupancy Live - L (lb-ft/ft)	0
Soil - H (lb-ft/ft)	0
Seismic (Ultimate) - E (lb-ft/ft)	1597
Wind - W (lb-ft/ft)	768

Note that these totals represent the *unfactored* forces at the mid-height of the wall *including* the self wt of the wall (this spreadsheet automatically calcs wall self wt). P-Δ effects have *not* been accounted for. These forces can be overridden by entering your own mid-height axial loads and moments determined from hand calculations. You will still have to enter information describing the loads so that the proper f_1, f_2 and f_3 load factors are properly applied. Remember to enter the loads unfactored and include the self-weight of the section of wall being analyzed.

Wall Parameters

Wall Height Between Supports (ft)	18.6667	(Not including parapet)
Parapet Height (ft)	2.3333	(This is used to calc the self-weight of the wall only)
Total Wall Height (ft)	21	
Concrete Strength f'c (psi)	3500	
Concrete Unit Weight (pcf)	150	
Rebar Yield Stress fy (psi)	60000	
Width of Pier Being Designed (ft)	1	(Width of pier, or enter 1 ft for analyzing unit width)
Total Wall Thickness (in)	7.25	
Depth of Reveal (in)	1.00	
Structural Thickness (in)	6.25	= Total Thk - Reveal Depth
(1) or (2) Layers of Reinf?	1	**OK**
Vert Rebar Size	4	0.20 in^2 0.5 in
Vert Rebar o.c. Spacing (in)	12	**OK**
As per foot (in^2/ft)	0.20	(This is the area of tension steel only)
Total As in Pier (in^2)	0.20	(This is the area of tension steel only)
Number of Bars within Pier (Ea Face)	1.00	
Are You Providing Confinement Reinf?	NO	
Confinement Rebar Size	3	0 in
Conc Cover at Ext Side of Wall Exp to Weather/Earth (in)	1.5	
Conc Cover at Int Side of Wall Not Exp to Weather/Earth (in)	1	
Min Depth to Tension Rebar = d (in)	3.1	(w/ 2 layers of rebar, d = Struc Width - Max Cover - Confine ϕ - 1/2 Vert ϕ)
Min Vertical Steel Ratio - ρ_v min	0.0025	(ρv min may be reduced if the shear force is low. See ACI 21.7.2)
Actual Vertical Steel Ratio - ρ_v	0.0023	**Not Good - P** Based on total wall thk not struc thk = (Rebar A * # Layers / Spacing) / (Total Thk)
Min Tensile Flexural Reinf 1 = As min 1 (in^2/ft)	0.11	**OK**
Min Tensile Flexural Reinf 2 = As min 2 (in^2/ft)	0.13	**OK**
ρ	0.0052	= As per ft / (12 * d)
ρmax = 0.6 ρb = 0.6 * 0.85 * β_1 * fc / fy * 87000 / (87000 + fy)	0.0150	**OK**
Ec (psi)	3372165	= 57000 * sqrt (f'c)
Es (psi)	29000000	
n	8.6	= Es / Ec
ℓ w (in)	12	= 12"
Ag (in^2/ft)	75	= Struc Thk * 12
0.06 f'c (psi)	210	
ℓ c (in)	224.0004	= Wall Ht * 12
β_1	0.85	
Ig (in^4/ft)	244	= 1/12 * 12 * Struc Thk^3
fr (psi)	444	= 7.5 * sqrt (f'c)
yt (in)	3.125	= Struc Thk / 2
Mcr (lb-in)	34665	= fr * Ig / yt
ℓ c / 150 (in)	1.493336	

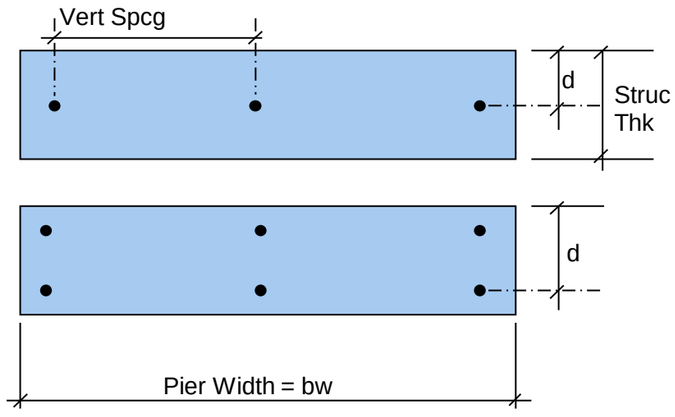
The width of the pier doesn't affect the structural design since loads are input **per linear foot**. Pier width is for your reference so you can track your calculations. This **does** calculate the actual number of bars required within the pier width you input.

Rebar	Dia (in)	A (in^2)
3	0.375	0.11
4	0.500	0.20
5	0.625	0.31
6	0.750	0.44
7	0.875	0.60
8	1.000	0.79
65 9	1.128	1.00
10	1.270	1.27
11	1.410	1.56

Per ACI 14.3.6 lateral ties need not be provided where vert reinf is not req'd as compression reinf. Thus walls designed using this method do not need to have confinement steel. But in many cases is still advisable, particularly with 2 layers of rebar.

ACI Min Cover Reqments:	
Exposed to Weather:	#5 & Smaller - 1 1/2"
	#6 & Larger - 2"
Not Exposed to Weather:	#11 & Smaller = 3/4"

Verify "d" with hand calcs also



NG

Job Name = **Goldfish Swimschool**
Job Number = 2220785
Wall Type = Concrete Tilt-up Wall
Wall Description = Wall Loading Only

IBC-2015	U = 1.4D	U = 1.2D + 1.6(L+H) + 0.5(Lr or S)	U = 1.2D + 1.6(Lr or S) + f_1 L	U = 1.2D + 1.6(Lr or S) + 0.5W	U = 1.2D + W + f_1 L + 0.5(Lr or S)	U = (1.2+0.2Sds)D + 1.0E + f_1 L + f_2 S	U = 0.9D + W + 1.6H	U = (0.9-0.2Sds)D + 1.0E + 1.6H	*ASCE 7 12.4.2.3
	Load Combo 16-1	Load Combo 16-2	Load Combo 16-3(a)	Load Combo 16-3(b)	Load Combo 16-4	Load Combo 16-5*	Load Combo 16-6	Load Combo 16-7*	
D	1.4	1.2	1.2	1.2	1.2	1.4022	0.9	0.6978	
S	0	0.5	1.6	1.6	0.5	0.7	0	0	
Lr	0	0	0	0	0	0	0	0	
L	0	1.6	0.5	0	0.5	0.5	0	0	
H	0	1.6	0	0	0	0	1.6	1.6	
E	0	0	0	0	0	1.0	0	1.0	
W	0	0	0	0.5	1	0	1	0	
Factored Axial Load at Mid Ht = Pu (lb/ft)	5219	6063	9560	9560	6063	7453	3355	2601	
Factored Applied Moment at Mid Ht = Mua (lb-in/ft)	11449	14681	25389	29996	23895	37441	16574	24866	
Pu / Ag (psi)	70	81	127	127	81	99	45	35	
Vert Stress at Mid-Ht Wall ok? Pu / Ag < 0.06 f'c?	OK	OK	OK	OK	OK	OK	OK	OK	OK
Ase (in^2) = (Pu(h/2d) + As*fy) / fy	0.28	0.30	0.36	0.36	0.30	0.32	0.25	0.24	
a (in) =(Ase*fy) / (0.85*fc*lw)	0.48	0.50	0.60	0.60	0.50	0.54	0.42	0.40	
Cu = C ULTIMATE = a / β_1	0.56	0.59	0.70	0.70	0.59	0.63	0.50	0.47	
Icr u (in4) = Icr ULTIMATE = n*Ase*(d-Cu)^2 + 1/3*ℓw*Cu^3	16.73	17.27	19.33	19.33	17.27	18.13	15.46	14.91	
Mu (lb-in) = Mua / (1 - (5 * Pu * Lc^2)/(0.75 * 48 * Ec * Icr)) =	32218	53451	-1152636	-1361789	86998	249043	30054	38883	
Mn (lb-in) = Ase * fy * (d - a/2)	49078	51303	60311	60311	51303	54924	44092	42048	
Cu / d	0.18	0.19	0.23	0.23	0.19	0.20	0.16	0.15	
ϕ = 0.23 + 0.25 /(Cu / d)	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	
ϕMn (lb-in)	44170	46173	54280	54280	46173	49432	39683	37843	
ϕMn > Mcr ?	OK	OK	OK	OK	OK	OK	OK	OK	OK
Mu / ϕMn	73%	116%	-2123%	-2509%	188%	504%	76%	103%	NEGATIV
ϕMn > Mu ?	OK	NG	- Pu too lar	- Pu too lar	NG	NG	OK	NG	NG

	A = D + L + (Lr or S)	A = D + L + .6W	A = D + L + 0.7E	A = D + L + .6W + S/2	A = D + L + S + .3W	A = D + L + S + .7E	
D	1	1	1	1	1	1	
S	1	0	0	0.5	1	1	
Lr	0	0	0	0	0	0	
L	1	1	1	1	1	1	
H	1	1	1	1	1	1	
E	0	0	0.70	0	0	0.70	
W	0	0.6	0	0.6	0.3	0	
Axial Load at Mid Ht = Ps (lb/ft)	6907	3728	3728	5317	6907	6907	
Applied Moment at Mid Ht = Msa (lb-in/ft)	17913	13706	21590	18574	20677	31325	
Ase (in^2) = (Ps + As*fy) / fy	0.31	0.26	0.26	0.28	0.31	0.31	
k = Sqrt ((n*p)^2 + 2*n*p) - n*p	0.258	0.258	0.258	0.258	0.258	0.258	
Ce = C ELASTIC = k * d	0.81	0.81	0.81	0.81	0.81	0.81	
Icr e (in4) = Icr ELASTIC = n*Ase*(d-Ce)^2 + 1/3*ℓw*Ce^3	16.49	14.04	14.04	15.27	16.49	16.49	
M_1 = Msa (lb-in)	17913	13706	21590	18574	20677	31325	
Ie_1 (in4) = { (Mcr / M)^3 * Ig + (1-(Mcr / M)^3) * Icr e } < Ig	244	244	244	244	244	244	
M_2 (lb-in) = Msa / (1 - (5 * Ps * Lc^2) / (48 * Ec * Ie_1))	18734	14038	22113	19222	21625	32761	
Ie_2 (in4)	244	244	244	244	244	244	
M_3 (lb-in)	18734	14038	22113	19222	21625	32761	
Ie_3 (in4)	244	244	244	244	244	244	
M_4 (lb-in)	18734	14038	22113	19222	21625	32761	
Ie_4 (in4)	244	244	244	244	244	244	
M_5 (lb-in)	18734	14038	22113	19222	21625	32761	
Ie_5 (in4)	244	244	244	244	244	244	
M_6 (lb-in)	18734	14038	22113	19222	21625	32761	
Ie_6 (in4)	244	244	244	244	244	244	
M_7 (lb-in)	18734	14038	22113	19222	21625	32761	
Ie_7 (in4)	244	244	244	244	244	244	
ℓ c / 150 (in)	1.493336	1.493336	1.493336	1.493336	1.493336	1.493336	
Δs (in) = (5 * M_7 * Lc^2) / (48 * Ec * Ie_7)	0.12	0.09	0.14	0.12	0.14	E+S is N/A	
	OK	OK	OK	OK	OK	OK	OK

Job Name = **Goldfish**
Job Number = 2220785
Wall Type = Concrete
Wall Description = Wall Loac

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