



PROYECTO CENTRO DE SERVICIO INFONAVIT (CESI), ALTAMIRA.

Proyecto Ejecutivo – Memoria de Cálculo de
Estructuras.

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1 INTRODUCCIÓN Y OBJETIVO.

Los Centros de Servicio INFONAVIT (CESI), son oficinas que brindan atención personalizada sobre trámites y servicios relativos al crédito y al ahorro de los trabajadores derechohabientes, establecidos en diversos lugares o plazas en los que se requiere la presencia institucional en todo el país.

El proyecto Altamira, con una superficie de terreno de 2,649.066 . m² de oficinas (1 nivel de oficinas + estacionamiento). Se encuentra localizado en Boulevard Allende No 902, Col. La Potosina, Municipio de Altamira, Tamaulipas.

El objetivo de la presente memoria es describir la estructuración al igual que los parámetros de diseño para el edificio que será destinado para el uso de oficinas, así como sus diferentes áreas de uso de reunión, cuartos de servicio de acuerdo a la información proporcionada por el cliente y la normatividad vigente.

2 DESCRIPCIÓN GENERAL DEL PROYECTO.

Compuesto por un predio de forma rectangular y topografía plana. Con base a la constancia de alineamiento las medidas generales son las siguientes, al norte colinda con Boulevard Ignacio Allende, al este con propiedad privada, al oeste con Hotel Francés y al Sur con propiedad privada.

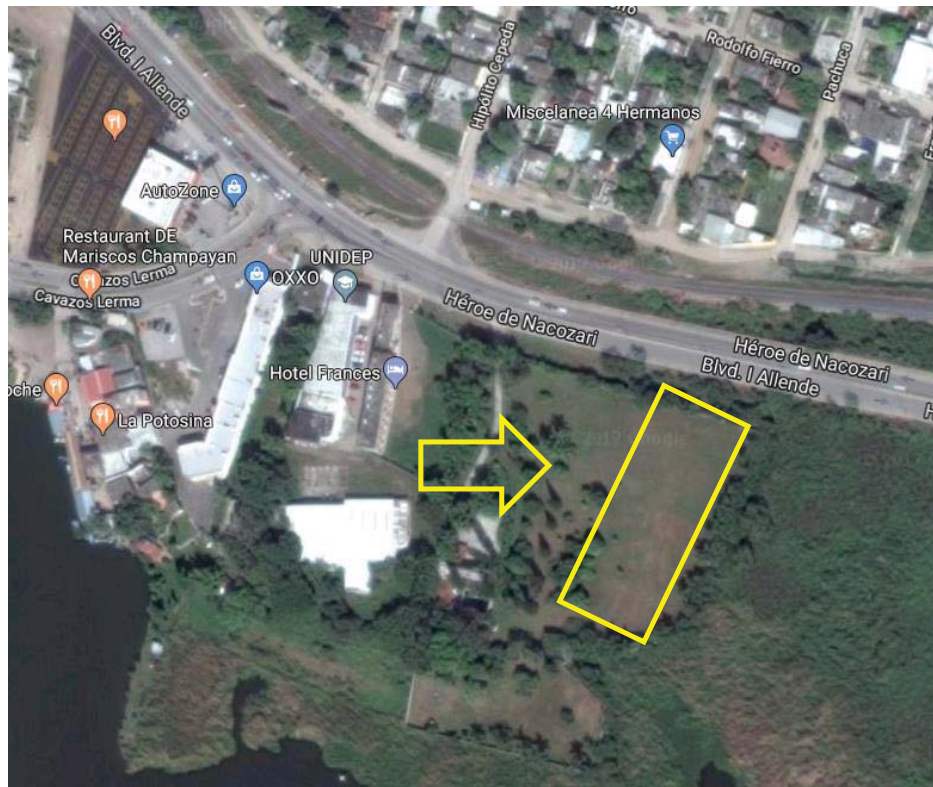


Fig. 1 Localización del emplazamiento del “CESI Altamira”.



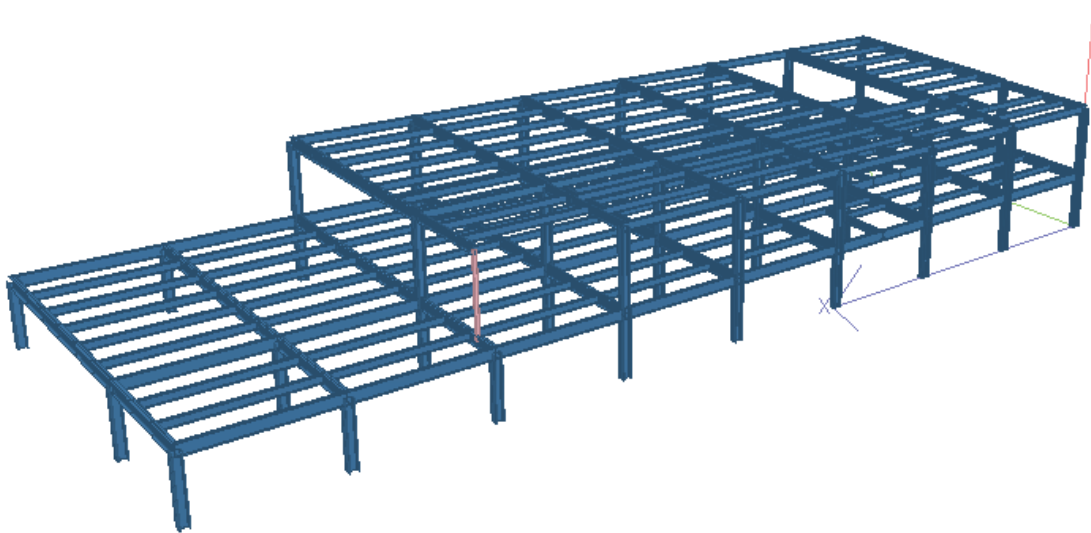
3 MODELO MATEMATICO.

Para el diseño de los elementos estructurales, se utilizara el programa de cómputo correspondiente, el cual contara con las herramientas necesarias para estos fines. Se realizó un modelo matemático tridimensional idealizando columnas y trabes mediante el elemento barra.

Las cargas gravitacionales (Carga Muerta y Carga Viva) se consideraron como cargas uniformemente repartidas en las trabes de cada nivel y el peso propio de la estructura es calculado directamente por el programa de análisis al declararle el comando self weight a todos los elementos que conforman el modelo.

Para el análisis sísmico, los sistemas de piso (losas) se consideraron como diafragmas rígidos y se realizó un análisis dinámico modal-espectral tomando en cuenta las recomendaciones establecidas en las Normas Técnicas Complementarias para Diseño por Sismo del Reglamento de Construcciones para el Distrito Federal.

En la figura siguiente se muestra una vista tridimensional del modelo de análisis descrito en párrafos anteriores.



Isométrico de Modelo de CESI.

4 REGLAMENTOS Y MANUALES EMPLEADOS.

Para el diseño del análisis y diseño estructural en cuestión, se han tomado en cuenta los reglamentos nacionales e internacionales mencionados a continuación:

- Reglamento de Construcción Municipio de Altamira, Tamaulipas.
- Reglamento de Construcciones del Distrito Federal. (R.C.D.F.), Edición 2004
- Normas Técnicas Complementarias para el Diseño por Sismo. (N.T.C.D.S.)



- Normas Técnicas Complementarias sobre Criterios y Acciones para el Diseño Estructural de las Edificaciones. (N.T.C.C.A.D.E.E.)
- Normas Técnicas Complementarias para Diseño y Construcción de Estructuras Metálicas. (N.T.C.D.C.E.M.)
- Normas Técnicas Complementarias para Diseño y Construcción de Cimentaciones. (N.T.C.D.C.C.)
- Manual de Construcción en Acero IMCA.
- Manual de Diseño de Obras Civiles Diseño por Sismo. (M.D.O.C.D.S.)
- American Concrete Institute (ACI), Edición ACI 318-11.
- American Institute of Steel Construction. (AISC-LRFD)

5 MATERIALES.

5.1 CONCRETO.

Concreto estructural Clase I, con peso volumétrico de 2400 kg/cm^3 y resistencia a la compresión a los 28 días de $f'c = 250 \text{ kg/cm}^2$. Módulo de $E = 242487.1 \text{ kg/cm}^2$. Con agregados pétreos de un máximo de 2.0 cm de diámetro.

5.2 ACERO DE REFUERZO Y ANCLAS.

El acero de refuerzo, con esfuerzo de fluencia $f_y = 4200 \text{ kg/cm}^2$. Módulo de elasticidad $E = 2040000 \text{ kg/cm}^2$. Conforme a la designación A615 grado 60 de la ASTM.

Anclas ASTM A-36.

5.3 ACERO ESTRUCTURAL.

Acero estructural ASTM A-50 con esfuerzo de fluencia $f_y = 3515 \text{ kg/cm}^2$ y módulo de elasticidad $E = 2040000 \text{ kg/cm}^2$.

5.4 TORNILLOS

Tornillos estructurales deberán ser A-325 de alta resistencia.

5.5 SOLDADURA.

Electrodo serie E-70XX con resistencia a la tracción de 70 KSI (49.2 kg/mm^2). Se aplicaran criterios de acuerdo a lo establecido en AWS D1.1.



6 ANÁLISIS DE CARGAS.

Se evaluarán las cargas de acuerdo a lo establecido en el R.C.D.F. de acuerdo a su ocupación o actividad de la edificación, en este caso la estructura será destinada para oficinas por lo que se tienen las siguientes cargas:

De acuerdo al R.C.D.F. en su Art. 186 se deben considerar tres categorías de acciones de acuerdo con la duración en que obran la estructura con intensidad máxima, siendo estas:

- Acciones Permanentes.
- Acciones Variables.
- Acciones Accidentales.

6.1 ACCIONES PERMANENTES.

6.1.1 CARGAS MUERTAS.

De acuerdo al Artículo 160 del Reglamento de Construcciones del Distrito Federal (R.C.D.F.) se considerarán como Carga Muerta los pesos de todos los elementos estructurales, de los acabados y de todos los elementos que ocupan una posición permanente y tienen un peso que no cambia sustancialmente con el tiempo.

Entrepiso

- Losacero 229 kg/m²
- Muros divisorios 60 kg/m²
- Acabado 40 kg/m²
- Instalaciones 30 kg/m²
- Sobrecarga 40 kg/m²

TOTAL = 399 kg/m²

Azotea

- Losacero 229 kg/m²
- Relleno 90 kg/m²
- Equipos 80 kg/m²
- Instalaciones 30 kg/m²
- Sobrecarga 40 kg/m²

TOTAL = 469 kg/m²



6.2 ACCIONES VARIABLES.

6.2.1 CARGAS VIVAS.

De acuerdo al Artículo 161 Reglamento de Construcciones del Distrito Federal (R.C.D.F.) se considerarán como Cargas Vivas las fuerzas que se producen por el uso y ocupación de las edificaciones y que no tienen carácter permanente. A menos que se justifiquen racionalmente otros valores, estas cargas se tomarán iguales a las especificadas en las Normas Técnicas Complementarias sobre Criterios y Acciones para el Diseño Estructural de las Edificaciones (N.T.C.C.A.D.E.E).

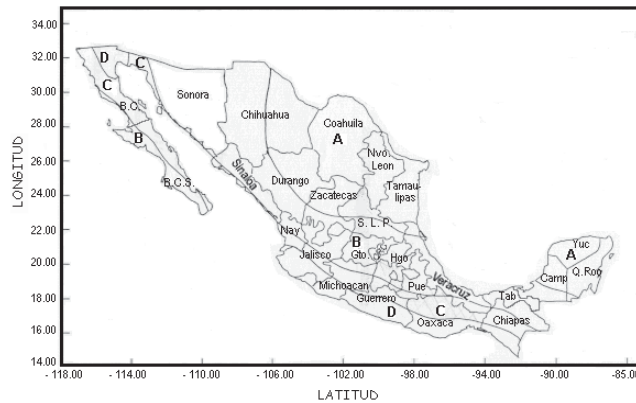
Destino de piso o cubierta.	Carga Viva Máxima (W_m)	Carga Viva Instantánea (W_a)
	Kg/m ²	Kg/m ²
Oficinas	250	180
Azotea pendiente < 5%	100	70

7 ANALISIS SISMICO.

Se realizó un análisis dinámico modal en base a los parámetros obtenidos y proporcionados por el Estudio de Mecánica de Suelos, con tres grados de libertad en cada nivel con el objeto de tomar en cuenta los desplazamientos horizontales en dos direcciones ortogonales.

Los parámetros del análisis es el siguiente:

- Clasificación de la estructura según su uso Grupo B
- Zona Sísmica A
- Clasificación del suelo Tipo II
- Coeficiente sísmico $c = 0.24$
- Factor de comportamiento sísmico $Q = 2$



Regionalización Sísmica de la Republica Mexicana.



Espectro de diseño:

$$a = a_0 + (c - a_0)(T/T_a) \quad \text{para } T \text{ menor que } T_a$$

$$a = c \quad \text{para } T \text{ entre } T_a \text{ y } T_b$$

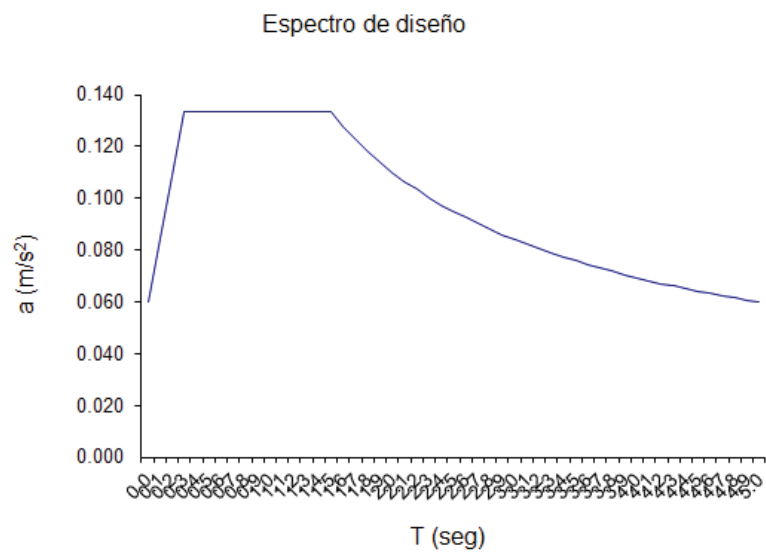
$$a = qc \quad \text{para } T \text{ mayor que } T_b$$

$$q = (T_b/T)^r$$

$$a_0 = 0.06$$

$$T_a = 0.30 \text{ seg} ; T_b = 1.5 \text{ seg}$$

$$r = 2/3$$





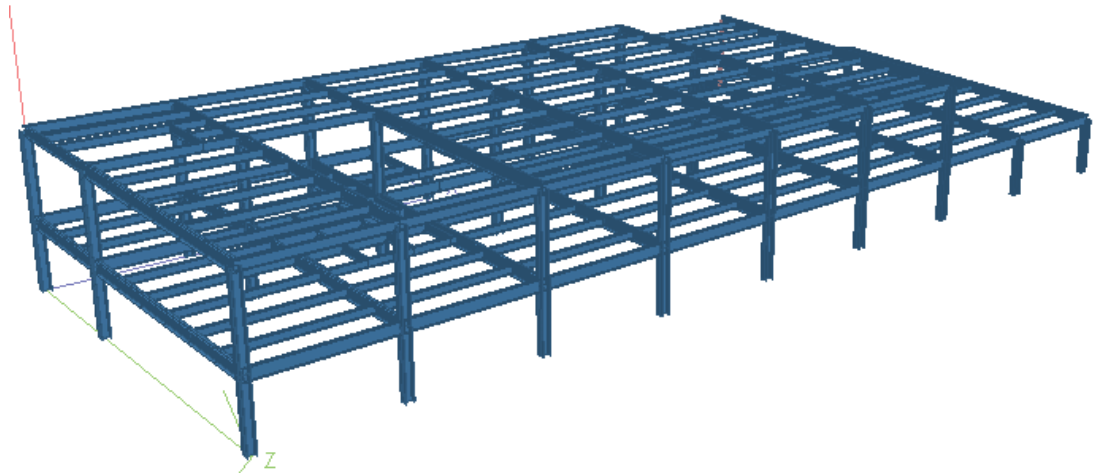
8 COMBINACIONES DE ACCIONES.

La seguridad de una estructura deberá verificarse para el combinado de todas las acciones que tengan una probabilidad no despreciable de ocurrir simultáneamente.

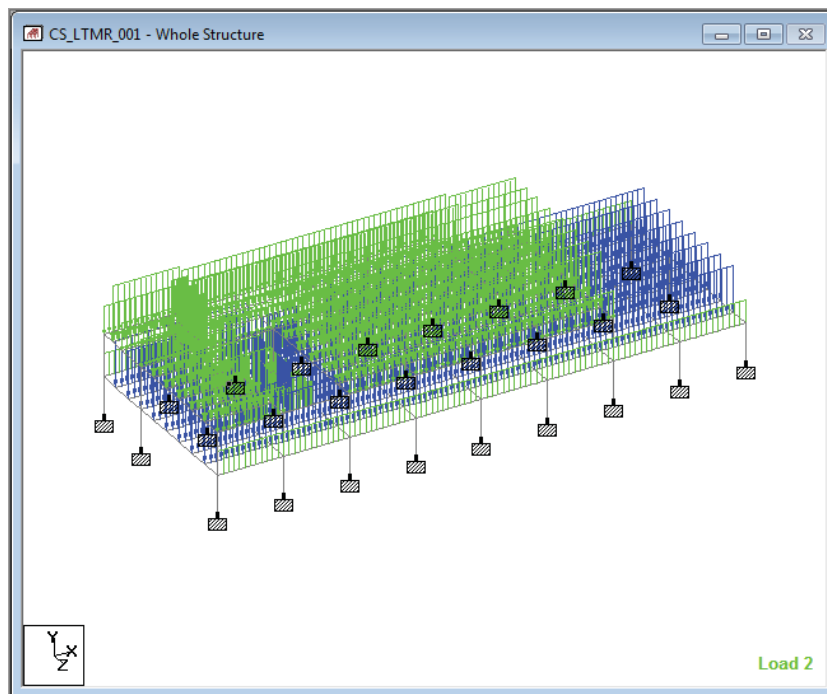
COMBINACIONES DE SERVICIO
1.0 (PP+CM + CV Max.)
1.0 (PP+CM + CV Inst. + Sx +0.3 Sz)
1.0 (PP+CM + CV Inst. + Sx - 0.3 Sz)
1.0 (PP+CM + CV Inst. - Sx + 0.3 Sz)
1.0 (PP+CM + CV Inst. - Sx - 0.3 Sz)
1.0 (PP+CM + CV Inst. + 0.3 Sx + Sz)
1.0 (PP+CM + CV Inst. + 0.3 Sx - Sz)
1.0 (PP+CM + CV Inst. - 0.3 Sx + Sz)
1.0 (PP+CM + CV Inst. - 0.3 Sx - Sz)
COMBINACIONES DE DISEÑO
1.4 (PP+CM + CV Max.)
1.1 (PP+CM + CV Inst. + Sx +0.3 Sz)
1.1 (PP+CM + CV Inst. + Sx - 0.3 Sz)
1.1 (PP+CM + CV Inst. - Sx + 0.3 Sz)
1.1 (PP+CM + CV Inst. - Sx - 0.3 Sz)
1.1 (PP+CM + CV Inst. + 0.3 Sx + Sz)
1.1 (PP+CM + CV Inst. + 0.3 Sx - Sz)
1.1 (PP+CM + CV Inst. - 0.3 Sx + Sz)
1.1 (PP+CM + CV Inst. - 0.3 Sx - Sz)



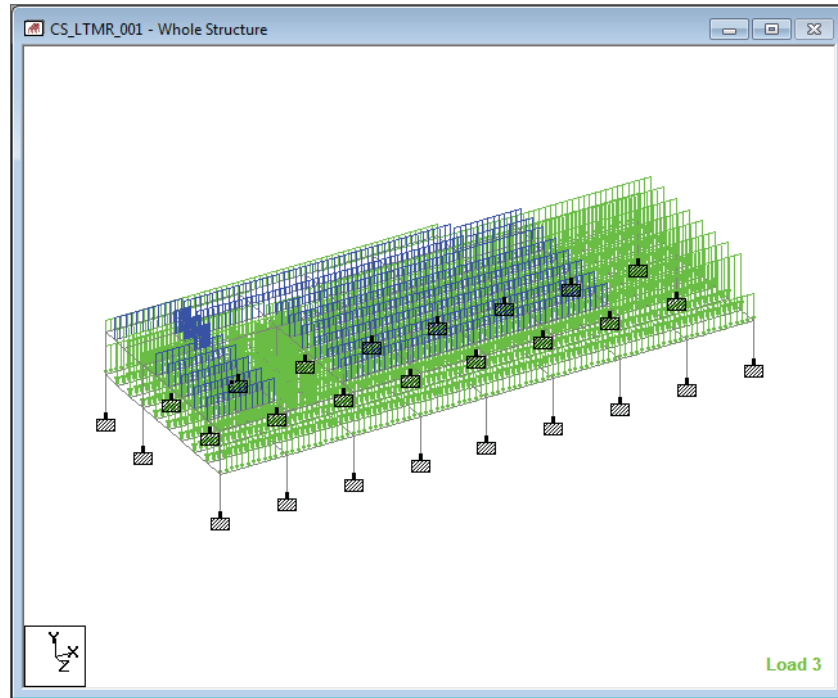
9 ANALISIS ESTRUCTURAL.



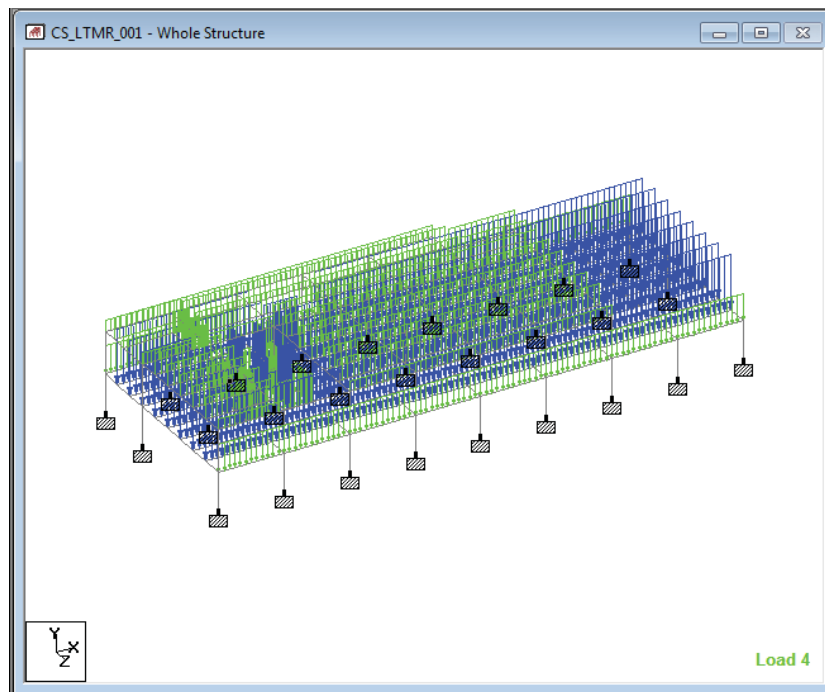
Estructuración de CESI.



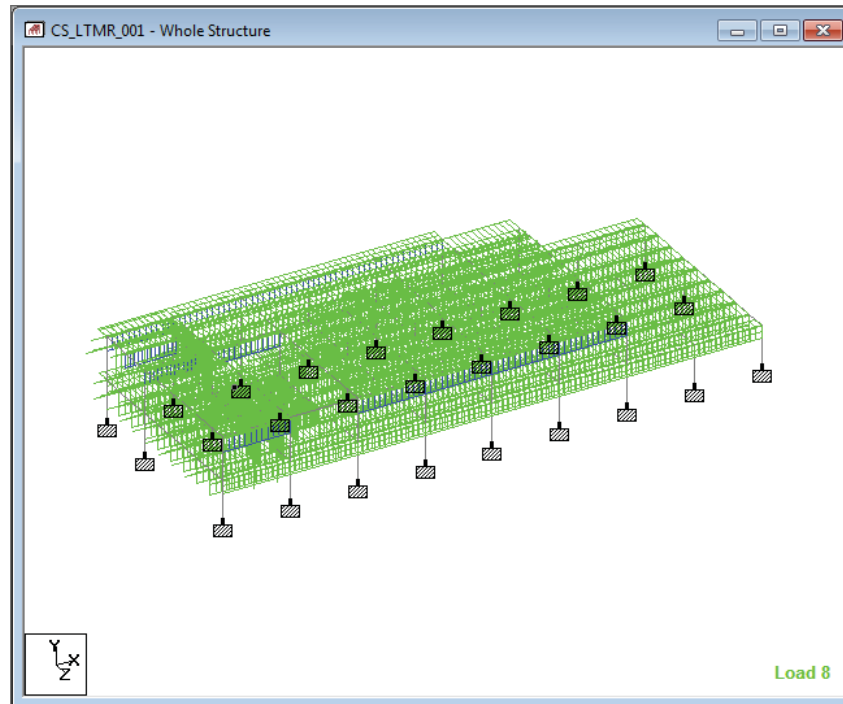
Carga Muerta.



Carga Viva Máxima.



Carga Viva Instantánea.



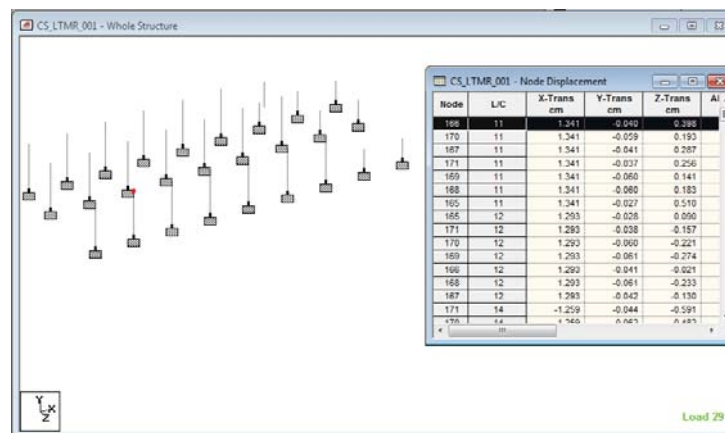
Carga de Sismo.

10 REVISION DE DESPLAZAMIENTOS.

Se revisará que los desplazamientos laterales cumplan con las limitaciones que marque el R.C.D.F. 2004 ($\Delta < 0.012H$).

Los elementos no estructurales que formen parte de la estructura deberán desligarse adecuadamente.

Dirección X

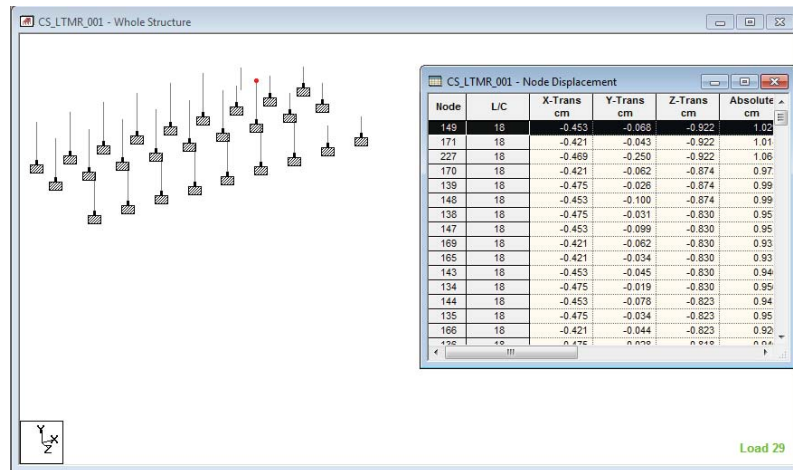


$$\Delta_{adm} = 0.012 \times h = 0.012 \times 780 \text{ cm} = \mathbf{9.36 \text{ cm}}$$

$$\Delta_{real} = 1.34 \text{ cm} \times 2 = \mathbf{2.68 \text{ cm}} < \Delta_{adm} ; \mathbf{O.k.}$$



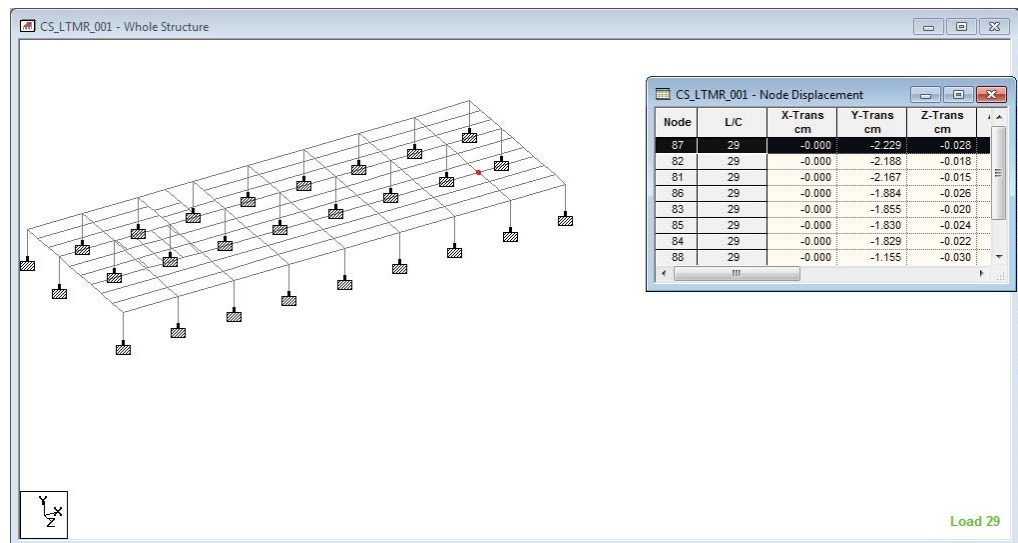
Dirección Z



$$\Delta \text{ adm} = 0.012 \times h = 0.012 \times 780 \text{ cm} = \mathbf{9.36 \text{ cm}}$$

$$\Delta \text{ real} = 0.99 \text{ cm} \times 2 = \mathbf{1.98 \text{ cm}} < \Delta \text{ adm} ; \mathbf{O.k.}$$

Los desplazamientos verticales (deflexiones en vigas) también deberán cumplir con el mismo reglamento y con las normas que rijan en los casos especiales que así se requieran.

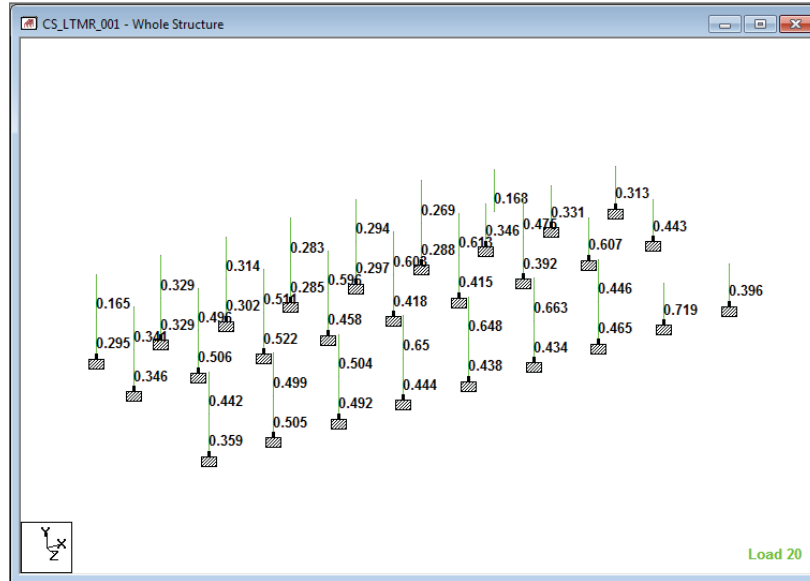


$$\Delta \text{ adm} = (L / 240) + 0.5 \text{ cm} = (1200 / 240) + 0.5 \text{ cm} = \mathbf{5.5 \text{ cm}}$$

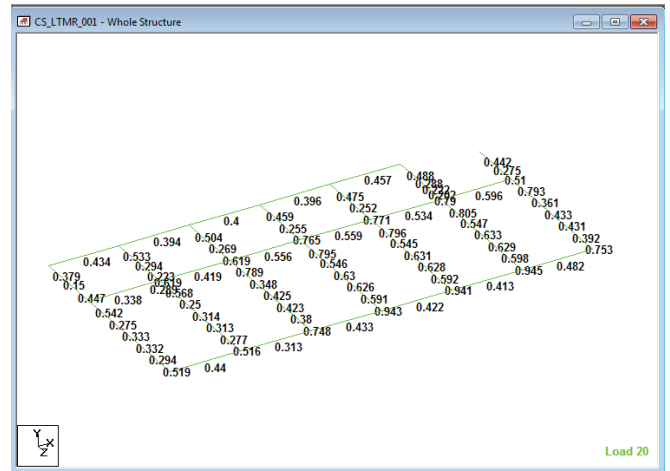
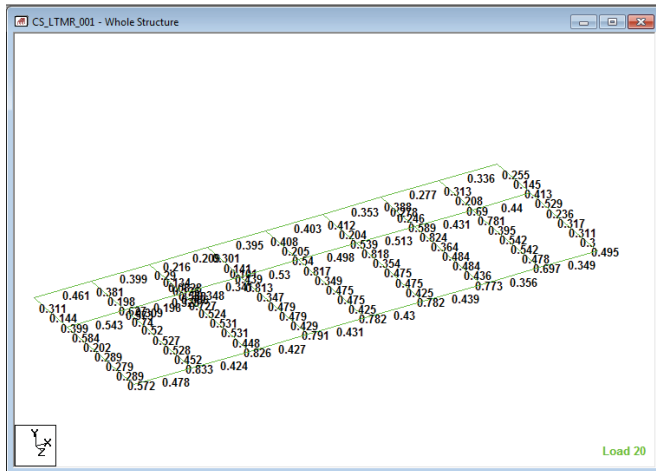
$$\Delta = \mathbf{2.23 \text{ cm}} < \Delta \text{ adm} ; \mathbf{O.k.}$$



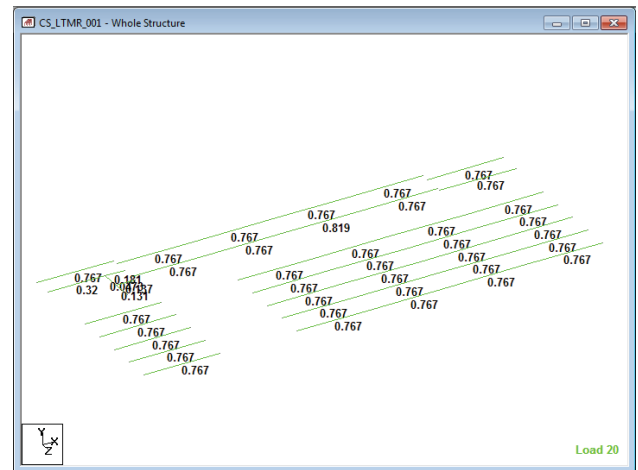
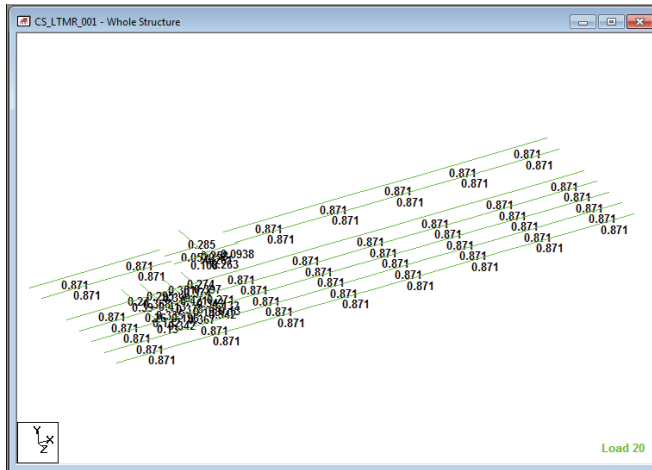
11 REVISION DE ESFUERZOS EN ELEMENTOS ESTRUCTURALES



Esfuerzos en columnas.



Esfuerzos en vigas principales.



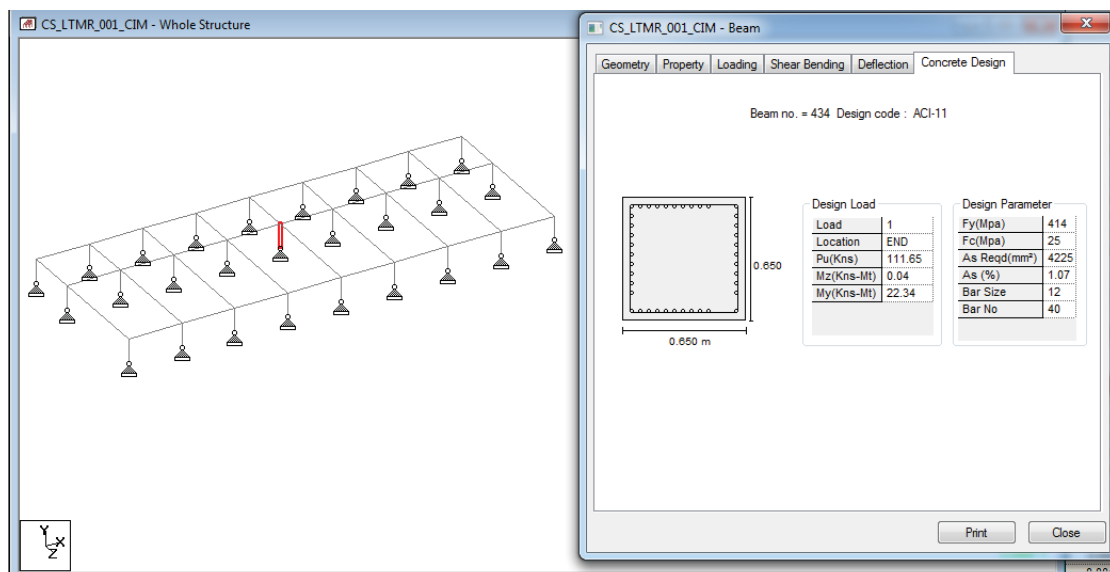
Esfuerzos en vigas secundarias.

12 DISEÑO DE ELEMENTOS ESTRUCTURALES.

Se diseñarán los elementos de la estructura de acuerdo con los lineamientos vigentes del R.C.D.F., así como las N.TC.-2004 con las combinaciones de carga aplicando los efectos de sismo,

Diseño de dados de concreto.

De los datos obtenidos de la corrida con el programa STAAD.Pro se obtiene el refuerzo necesario para los dados, se requiere un área de acero de refuerzo de :





ACI 318-11 COLUMN NO. 434 DESIGN RESULTS

FY - 413.7 FC - 24.5 MPA, SQRE SIZE - 650.0 X 650.0 MMS, TIED
 ONLY MINIMUM STEEL IS REQUIRED.

AREA OF STEEL REQUIRED = 4225.0 SQ. MM

BAR CONFIGURATION	REINF PCT.	LOAD	LOCATION	PHI
40 - 12 MM (PROVIDE EQUAL NUMBER OF BARS ON EACH FACE) TIE BAR NUMBER 12 SPACING 192.00 MM	1.071	1	END	0.650

Área de acero de refuerzo del modelo STAAD Pro. $A_s = 42.25 \text{ cm}^2$

Área de acero mínimo $A_s = 0.01bd' = 0.01 \times 4225 \text{ cm}^2 = 42.25 \text{ cm}^2$

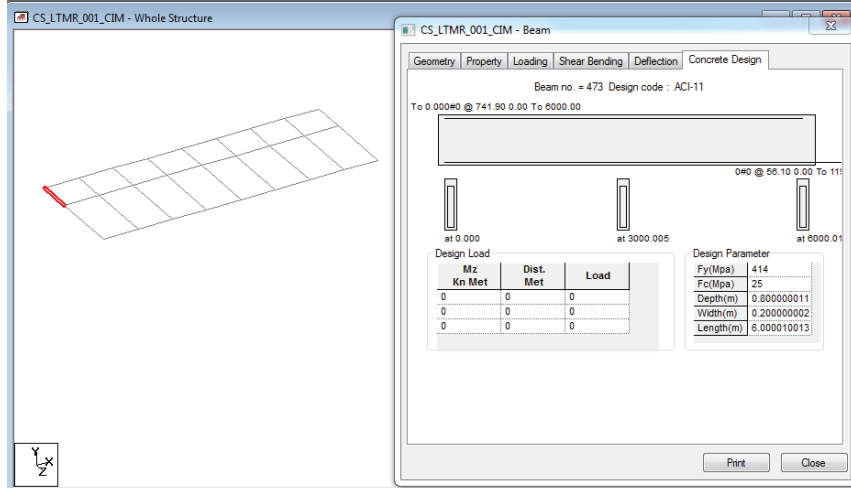
Área de dado = $65 \text{ cm} \times 65 \text{ cm} = 4225 \text{ cm}^2$

Ocupando varilla del # 6, área de acero necesaria = $42.25 \text{ cm}^2 / 2.85 \text{ cm}^2 = 14.82$

Acero de refuerzo propuesto:

16 # 6 , $A_{s \text{ prop}} = 16 \times 2.85 \text{ cm}^2 = 45.60 \text{ cm}^2 > 42.25 \text{ cm}^2$; o.k

Diseño de trabes de liga.



ACI 318-11 BEAM NO. 473 DESIGN RESULTS

LEN - 6000. MM FY - 414. FC - 25. MPA, SIZE - 200. X 800. MMS

LEVEL	HEIGHT (MM)	BAR INFO	FROM (MM)	TO (MM)	ANCHOR STA	END
-------	-------------	----------	-----------	---------	------------	-----

*** A SUITABLE BAR ARRANGEMENT COULD NOT BE DETERMINED.

REQD. STEEL = 904. MM2, MAX. STEEL PERMISSIBLE = 2804. MM2

MAX POS MOMENT = 233.19 KN-MET, LOADING 25



Área de acero de refuerzo en el momento positivo obtenido del modelo STAAD. Pro.
 $A_s = 9.04 \text{ cm}^2$.

Ocupando varilla del # 8, área de acero necesaria = $9.04 \text{ cm}^2 / 5.07 \text{ cm}^2 = 1.78$

Acero de refuerzo propuesto:

2 # 8, $A_{s \text{ prop}} = 2 \times 5.07 \text{ cm}^2 = 10.14 \text{ cm}^2 > 9.04 \text{ cm}^2$; O.k.

*** A SUITABLE BAR ARRANGEMENT COULD NOT BE DETERMINED.

REQD. STEEL = 1025. MM2, MAX. STEEL PERMISSIBLE = 2804. MM2

MAX NEG MOMENT = 262.06 KN-MET, LOADING 28

Área de acero de refuerzo en el momento negativo obtenido del modelo STAAD. Pro.
 $A_s = 10.25 \text{ cm}^2$.

Ocupando varilla del # 8, área de acero necesaria = $10.25 \text{ cm}^2 / 5.07 \text{ cm}^2 = 2.02$

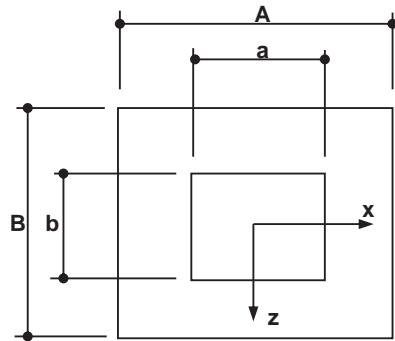
Acero de refuerzo propuesto:

2 # 8, $A_{s \text{ prop}} = 2 \times 5.07 \text{ cm}^2 = 10.14 \text{ cm}^2 < 10.25 \text{ cm}^2$; se propone adicionar bastón

#4 = $10.14 \text{ cm}^2 + 1.27 \text{ cm}^2 = 11.41 \text{ cm}^2 > 10.25 \text{ cm}^2$; O.k.



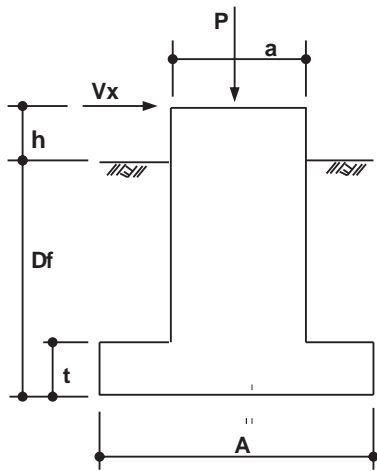
Geometría de la Zapata Z-1



PLANTA DE CIMENTACIÓN

Df =	2.50	m
h =	0.00	m
t =	50.00	m
A =	4.20	m
B =	4.20	m
a =	0.70	m
b =	0.70	m
q ad =	14.00	ton/m ²
γs =	1.83	ton/m ³

$\Lambda = 17.64 \text{ m}^2$



ELEVACION DE CIMENTACIÓN

COMBINACIONES DE CARGA:

Reacciones:

Nodo 21, Carga No 25 1.1(P.P+CM+Equipos+CVinst+0.3Sx +1.1Sz)

Elementos mecanicos de diseño.

Fx =	0.020	Ton.
Fy =	93.60	Ton.
Fz =	10.54	Ton.
Mx =	10.72	Ton-m
Mz =	0.00	Ton-m



Datos de diseño:

Peso volumétrico del relleno.	=	1.83	Ton/m ³
Capacidad de carga del terreno.	=	14.00	Ton/m ²
Peso volumétrico del concreto.	=	2.40	Ton/m ³
Esfuerzo del concreto a compresión.	=	250.0	Kg/cm ²
Esfuerzo de fluencia de acero de refuerzo.	=	4200.0	Kg/cm ²
Nivel de desplante de la cimentación.	=	2.50	m
Estructura Grupo	=	B	

Revisión de la estabilidad de la Zapata:

Momentos de volteo (Dirección X)

$$M_v = 7.66 \text{ Ton-m}$$

$$FSV_x = \frac{L}{2e} > 2 \quad \text{Ok}$$

Momentos de volteo (Dirección Z)

$$M_v = 0.00 \text{ Ton-m}$$

$$FSV_y = \frac{B}{2e} > 2 \quad \text{Ok}$$

Obtención del peso propio de la Zapata.

W zapata	=	4.20	x	4.20	x	0.50	x	2.40	=	21.168	Ton
W suelo de relleno	=	4.20	x	4.20	x	2.00	x	1.83	=	62.769	Ton
W dado	=	0.70	x	0.70	x	2.00	x	2.40	=	2.352	Ton
									Σ=	86.289	Ton

$$P_{tu} = 0.00 + 93.6 + 86.29 = 179.89 \text{ Ton.}$$

Modulo de sección elastico

$$S_x = 12.35 \text{ cm}^3 \quad S_z = 12.35 \text{ cm}^3$$

Revisión de las presiones de contacto.

$$f_{tu} = \frac{179.89}{4.20 \times 4.20} + \frac{37.070}{12.348} + \frac{0.050}{12.348} = 13.204 < 14.00 \text{ Ton/m}^2 \quad \text{Pasa por capacidad de carga}$$

$$f_{tu} = \frac{179.89}{4.20 \times 4.20} + \frac{37.070}{12.348} - \frac{0.050}{12.348} = 13.196 < 14.0 \text{ Ton/m}^2 \quad \text{Pasa por capacidad de carga}$$

$$f_{tu} = \frac{179.89}{4.20 \times 4.20} - \frac{37.070}{12.348} + \frac{0.050}{12.348} = 7.200 < 14.00 \text{ Ton/m}^2 \quad \text{Pasa por capacidad de carga}$$

$$f_{tu} = \frac{179.89}{4.20 \times 4.20} - \frac{37.070}{12.348} - \frac{0.050}{12.348} = 7.192 < 14.00 \text{ Ton/m}^2 \quad \text{Pasa por capacidad de carga}$$



Obtencion de las excentricidades.

$$\frac{6e_B}{B} + \frac{6e_L}{L} < 1.0$$

$$e_B = \frac{My}{Pu} = \frac{0.050}{179.89} = 0.000 \text{ m}$$

$$e_L = \frac{Mx}{Pu} = \frac{37.07}{179.89} = 0.21 \text{ m}$$

$$B' = 4.20 - (2 \times 0.050) = 4.10 \text{ m}$$

$$L' = 4.20 - (2 \times 0.206) = 3.79 \text{ m}$$

Obtencion de la carga neta ultima.

$$q_{nu} = \frac{171.380}{4.10 \times 3.79} = 11.04 \text{ Ton/m}^2$$

Obtención del peralte de la Zapata.

$$M_{uL} = \frac{11.04 \times 1.750^2}{2} = 16.9 \text{ Ton-m}$$

$$M_{uB} = \frac{11.04 \times 1.750^2}{2} = 16.9 \text{ Ton-m}$$

$$d = \sqrt{\frac{1689773.84}{14.8 \times 250.0}} + 20 = 41.37 \text{ cm}$$

$$d = 45.00 \text{ cm} \quad h = 50.00 \text{ cm}$$

Revisión por cortante.

**Cortante perimetral o punzonamiento

$$C1 + d = 115.0 \text{ cm} \quad C_{AB} = 57.5$$

$$C2 + d = 115.0 \text{ cm} \quad C_{CD} = 57.5$$

$$b_o = 460.0 \text{ cm}$$

$$A_{falla} = 1.32 \text{ m}^2$$



$$M_{ux} = 10.72 \text{ Ton-m} < 14.11 \quad \text{no hay transmision de momento}$$

$$M_{uy} = 0.00 \text{ Ton-m} < 14.11 \quad \text{no hay transmision de momento}$$

Como hay transmision de momento se tiene:

$$v_u = \frac{V_u}{A_{cr}} + \frac{\alpha_x * M_{ux} * C_{AB}}{J_c} + \frac{\alpha_z * M_{uz} * C_{CD}}{J_c} < VCR = 0.7 \sqrt{f^*c}$$

$$\alpha_x = 1 - \frac{1}{1 + 0.67 \sqrt{\frac{C_1+d}{C_2+d}}}$$

$$\alpha_x = 1 - \frac{1}{1 + 0.67 \sqrt{\frac{115.00}{115.00}}} = 0.40$$

$$A_{cr} = 2d (c_1 + c_2 + 2d)$$

$$A_{cr} = 20700 \text{ cm}^2$$

$$J_c = \frac{d * (C_1+d)^3}{6} + \frac{d^3 * (C_1+d)}{6} + \frac{d * (C_2+d) * (C_1+d)^2}{2}$$

$$J_c = 47372812.5 \text{ cm}^4$$

$$v_u = 8.096 \text{ Kg/cm}^2$$

$$v_u = \frac{V_u}{b_o d} = \frac{156785.781}{460.0 * 45.0} = 7.574 \text{ Kg/cm}^2$$

$$VCR = 0.7 \sqrt{200} = 9.90 \text{ Kg/cm}^2 \quad \text{Pasa por penetración}$$

$$\% \text{Eficiencia de peralte} = 81.78 \%$$

Revisión Como elemento ancho.

$$a) B = 4.20 \text{ m} > 4 d = 1.80 \quad \text{Pasa.....esta bien!!!}$$

$$b) h = 50.0 \text{ cm} < 60.0 \text{ cm} \quad \text{Pasa.....esta bien!!!}$$

$$c) V_u = 11.04 * [1.750 - 0.45] = 14.35 \text{ Ton.}$$

$$M_u = \frac{11.04 * [1.750 - 0.45]^2}{2} = 9.325 \text{ Ton-m}$$



$$d) \frac{M}{V d} < 2 \quad \frac{9.325}{14.35 * 0.45} = 1.444 < 2.0 \quad \text{Pasa.....esta bien!!!}$$

$$v_u = \frac{V_u}{b_o d} = \frac{14345.835}{100.0 * 45.0} = 3.188 \quad \text{Kg/cm}^2$$

$$VCR = 0.4 \sqrt{200} = 5.66 \quad \text{Kg/cm}^2 \quad \text{Ok, Bien}$$

Diseño por flexion.

$$AsL = \frac{1689773.84}{0.9 * 4200.0 * 38.25} = 11.69 \quad \text{cm}^2$$

$$AsB = \frac{1689773.84}{0.9 * 4200.0 * 38.25} = 11.69 \quad \text{cm}^2$$

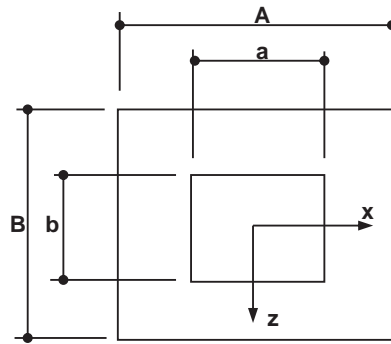
$$Asmin = \frac{0.7 \sqrt{250.0}}{4200.0} 100 * 45.00 = 11.86 \quad \text{cm}^2$$

$$\text{No. } \mathbf{6} = \frac{11.86}{2.85} = 4.16 \quad S = 24.04 \quad \text{cm}$$

Se proponen varillas del # **6** @ **20** cm

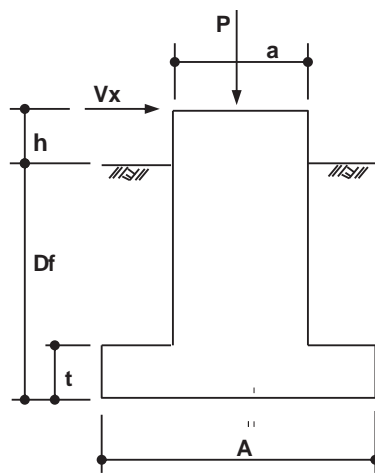


Geometría de la zapata Z-2



PLANTA DE CIMENTACIÓN

Df =	2.50	m
h =	0.00	m
t =	40.00	m
A =	3.50	m
B =	3.50	m
a =	0.65	m
b =	0.65	m
q ad =	14.00	ton/m ²
γs =	1.83	ton/m ³



ELEVACION DE CIMENTACIÓN

COMBINACIONES DE CARGA:

Reacciones:

Nodo 13, Carga No 25 1.1(P.P+CM+Equipos+CVinst+0.3Sx +1.1Sz)

Elementos mecanicos de diseño

Fx =	4.860	Ton.
Fy =	14.80	Ton.
Fz =	5.33	Ton.
Mx =	7.72	Ton-m
Mz =	8.82	Ton-m



Datos de diseño:

Peso volumetrico del relleno.	=	1.83	Ton/m ³
Capacidad de carga del terreno.	=	14.00	Ton/m ²
Peso volumetrico del concreto.	=	2.40	Ton/m ³
Esfuerzo del concreto a compresión.	=	250.0	Kg/cm ²
Esfuerzo de fluencia de acero de refuerzo.	=	4200.0	Kg/cm ²
Nivel de desplante de la cimentación.	=	2.50	m
Estructura Grupo	=	B	

Revision de la estabilidad de la Zapata:

Momentos de volteo (Dirección X)

$$M_v = 5.51 \text{ Ton-m}$$

$$FSV_x = \frac{L}{2e} > 2 \quad \text{Ok}$$

Momentos de volteo (Dirección Z)

$$M_v = 6.30 \text{ Ton-m}$$

$$FSV_y = \frac{B}{2e} > 2 \quad \text{Ok}$$

Obtencion del peso propio de la Zapata.

W zapata	=	3.50	x	3.50	x	0.50	x	2.40	=	14.700	Ton
W suelo de relleno	=	3.50	x	3.50	x	2.00	x	1.83	=	43.289	Ton
W dado	=	0.65	x	0.65	x	2.00	x	2.40	=	2.028	Ton
									Σ=	60.017	Ton

$$P_{tu} = 0.00 + 14.8 + 60.02 = 74.82 \text{ Ton.}$$

Modulo de sección elastico

$$S_x = 7.15 \text{ cm}^3 \quad S_z = 7.15 \text{ cm}^3$$

Revision de las presiones de contacto.

$f_{tu} = \frac{74.82}{3.50 \times 3.50} + \frac{21.045}{7.146} + \frac{20.970}{7.146}$	=	11.987	<	14.00	Ton/m ²	Pasa por capacidad de carga
$f_{tu} = \frac{74.82}{3.50 \times 3.50} + \frac{21.045}{7.146} - \frac{20.970}{7.146}$	=	6.118	<	14.0	Ton/m ²	Pasa por capacidad de carga
$f_{tu} = \frac{74.82}{3.50 \times 3.50} - \frac{21.045}{7.146} + \frac{20.970}{7.146}$	=	6.097	<	14.00	Ton/m ²	Pasa por capacidad de carga
$f_{tu} = \frac{74.82}{3.50 \times 3.50} - \frac{21.045}{7.146} - \frac{20.970}{7.146}$	=	0.228	<	14.00	Ton/m ²	Pasa por capacidad de carga



Obtencion de las excentricidades.

$$\frac{6e_B}{B} + \frac{6e_L}{L} < 1.0$$

$$e_B = \frac{My}{Pu} = 0.280 \text{ m}$$

$$e_L = \frac{Mx}{Pu} = 0.28 \text{ m}$$

$$B' = 3.50 - (2 \times 0.280) = 2.94 \text{ m}$$

$$L' = 3.50 - (2 \times 0.281) = 2.94 \text{ m}$$

Obtención del peralte de la Zapata.

$$MuL = 8.639 \text{ Ton-m}$$

$$MuB = 8.639 \text{ Ton-m}$$

$$d = \sqrt{\frac{863946.87}{14.8 * 250.0}} + 20 = 35.28 \text{ cm}$$

$$d = 35.00 \text{ cm} \quad h = 40.00 \text{ cm}$$

Revisión por cortante.

**Cortante perimetral o punzonamiento

$$C1 + d = 100.0 \text{ cm} \quad C_{AB} = 50.0$$

$$C2 + d = 100.0 \text{ cm} \quad C_{CD} = 50.0$$

$$b_o = 400.0 \text{ cm}$$

$$A_{falla} = 1.00 \text{ m}^2$$

$$M_{ux} = 7.72 \text{ Ton-m} > 4.50 \text{ hay transmisión de momento}$$

$$M_{uy} = 8.82 \text{ Ton-m} > 4.50 \text{ hay transmisión de momento}$$



Como hay transmision de momento se tiene:

$$v_u = \frac{V_u}{A_{cr}} + \frac{\alpha_x * M_{ux} * C_{AB}}{J_c} + \frac{\alpha_z * M_{uz} * C_{CD}}{J_c} < VCR = 0.7 \sqrt{f'_c}$$

$$\alpha_x = 1 - \frac{1}{1 + 0.67 \sqrt{\frac{C1+d}{C2+d}}}$$

$$\alpha_x = 1 - \frac{1}{1 + 0.67 \sqrt{\frac{115.00}{115.00}}} = 0.40$$

$$A_{cr} = 2d (c1 + c2 + 2d)$$

$$A_{cr} = 14000 \text{ cm}^2$$

$$J_c = \frac{d * (C1+d)^3}{6} + \frac{d^3 * (C1+d)}{6} + \frac{d * (C2+d) * (C1+d)^2}{2}$$

$$J_c = 24047916.7 \text{ cm}^4$$

$$v_u = 5.975 \text{ Kg/cm}^2$$

$$v_u = \frac{V_u}{b_o d} = \frac{64336.556}{400.0 * 35.0} = 4.595 \text{ Kg/cm}^2$$

$$VCR = 0.7 \sqrt{200} = 9.90 \text{ Kg/cm}^2 \quad \text{Pasa por penetración}$$

% Eficiencia de peralte = 60.36 %

Revisión Como elemento ancho

a) $B = 3.50 \text{ m} > 4 d = 1.40$ **Pasa.....esta bien!!!**

b) $h = 40.0 \text{ cm} < 60.0 \text{ cm}$ **Pasa.....esta bien!!!**

c) $V_u = 8.46 * [1.425 - 0.35] = 9.10 \text{ Ton.}$

$$M_u = \frac{8.46 * [1.425 - 0.35]^2}{2} = 4.889 \text{ Ton-m}$$



$$d) \frac{M}{V d} < 2 \quad \frac{4.889}{9.10 * 0.35} = 1.536 < 2.0 \quad \text{Pasa.....esta bien!!!}$$

$$v_u = \frac{V_u}{b_o d} = \frac{9095.007}{100.0 * 35.0} = 2.599 \text{ Kg/cm}^2$$

$$VCR = 0.4 \sqrt{200} = 5.66 \text{ Kg/cm}^2 \quad \text{Ok, Bien}$$

Diseño por flexion.

$$AsL = \frac{859002.25}{0.9 * 4200.0 * 29.75} = 7.64 \text{ cm}^2$$

$$AsB = \frac{859002.25}{0.9 * 4200.0 * 29.75} = 7.64 \text{ cm}^2$$

$$Asmin = \frac{0.7 \sqrt{250.0}}{4200.0} 100 * 35.00 = 9.22 \text{ cm}^2$$

$$\text{No. } 5 = \frac{9.22}{1.98} = 4.66 \quad S = 21.46 \text{ cm}$$

Se proponen varillas del # 5 @ 20 cm



ANEXO 1

```

*****
*
*          STAAD.Pro V8i SELECTseries6          *
*          Version 20.07.11.45                  *
*          Proprietary Program of              *
*          Bentley Systems, Inc.                *
*          Date=   MAR  6, 2018                 *
*          Time=   13:58:33                     *
*
*          USER ID: Personal                    *
*****

```

1. STAAD SPACE

INPUT FILE: C:\Users\GLR\Documents\TRABAJO\CESI INFONAVIT\ALTAMIRA\ANALISIS\LTMR_001\CS_LTMR_001.STD

2. START JOB INFORMATION

3. ENGINEER DATE 26-FEB-18

4. END JOB INFORMATION

5. INPUT WIDTH 79

6. UNIT METER MTON

7. JOINT COORDINATES

- 8. 1 0 -0.4 0; 2 0 3.00001 0; 3 6.00001 -0.4 0; 4 6.00001 3.00001 0; 5 12 -0.4 0
- 9. 6 12 3.00001 0; 7 18 -0.4 0; 8 18 3.00001 0; 9 24 -0.4 0; 10 24 3.00001 0
- 10. 11 30.0001 -0.4 0; 12 30.0001 3.00001 0; 13 36.0001 -0.4 0
- 11. 14 36.0001 3.00001 0; 15 42.0001 -0.4 0; 16 42.0001 3.00001 0
- 12. 17 48.0001 -0.4 0; 18 48.0001 3.00001 0; 19 0 -0.4 6.00001
- 13. 20 0 3.00001 6.00001; 21 6.00001 -0.4 6.00001; 22 6.00001 3.00001 6.00001
- 14. 23 12 -0.4 6.00001; 24 12 3.00001 6.00001; 25 18 -0.4 6.00001
- 15. 26 18 3.00001 6.00001; 27 24 -0.4 6.00001; 28 24 3.00001 6.00001
- 16. 29 30.0001 -0.4 6.00001; 30 30.0001 3.00001 6.00001; 31 36.0001 -0.4 6.00001
- 17. 32 36.0001 3.00001 6.00001; 33 42.0001 -0.4 6.00001
- 18. 34 42.0001 3.00001 6.00001; 35 48.0001 -0.4 6.00001
- 19. 36 48.0001 3.00001 6.00001; 37 0 3.00001 2; 38 6.00001 3.00001 2
- 20. 39 12 3.00001 2; 40 18 3.00001 2; 41 24 3.00001 2; 42 30.0001 3.00001 2
- 21. 43 36.0001 3.00001 2; 44 42.0001 3.00001 2; 45 48.0001 3.00001 2
- 22. 46 0 3.00001 4.00001; 47 6.00001 3.00001 4.00001; 48 12 3.00001 4.00001
- 23. 49 18 3.00001 4.00001; 50 24 3.00001 4.00001; 51 30.0001 3.00001 4.00001
- 24. 52 36.0001 3.00001 4.00001; 53 42.0001 3.00001 4.00001
- 25. 54 48.0001 3.00001 4.00001; 55 15 3.00001 0; 56 15 3.00001 6.00001
- 26. 57 15 3.00001 3.00001; 58 15 3.00001 4.50001; 59 12 3.00001 3.00001
- 27. 60 12 3.00001 4.50001; 61 18 3.00001 4.20001; 62 0 -0.4 18; 63 0 3.00001 18
- 28. 64 6.00001 -0.4 18; 65 6.00001 3.00001 18; 66 12 -0.4 18; 67 12 3.00001 18
- 29. 68 18 -0.4 18; 69 18 3.00001 18; 70 24 -0.4 18; 71 24 3.00001 18
- 30. 72 30.0001 -0.4 18; 73 30.0001 3.00001 18; 74 36.0001 -0.4 18
- 31. 75 36.0001 3.00001 18; 76 42.0001 -0.4 18; 77 42.0001 3.00001 18
- 32. 78 48.0001 -0.4 18; 79 48.0001 3.00001 18; 80 0 3.00001 12
- 33. 81 6.00001 3.00001 12; 82 12 3.00001 12; 83 18 3.00001 12; 84 24 3.00001 12
- 34. 85 30.0001 3.00001 12; 86 36.0001 3.00001 12; 87 42.0001 3.00001 12
- 35. 88 48.0001 3.00001 12; 89 0 3.00001 8.00002; 90 6.00001 3.00001 8.00002
- 36. 91 0 3.00001 10; 92 6.00001 3.00001 10; 93 12 3.00001 8.00002
- 37. 94 18 3.00001 8.00002; 95 24 3.00001 8.00002; 96 30.0001 3.00001 8.00002
- 38. 97 36.0001 3.00001 8.00002; 98 42.0001 3.00001 8.00002

39. 99 48.0001 3.00001 8.00002; 100 12 3.00001 10; 101 18 3.00001 10
40. 102 24 3.00001 10; 103 30.0001 3.00001 10; 104 36.0001 3.00001 10
41. 105 42.0001 3.00001 10; 106 48.0001 3.00001 10; 107 0 3.00001 14
42. 108 6.00001 3.00001 14; 109 12 3.00001 14; 110 18 3.00001 14
43. 111 24 3.00001 14; 112 30.0001 3.00001 14; 113 36.0001 3.00001 14
44. 114 42.0001 3.00001 14; 115 48.0001 3.00001 14; 116 0 3.00001 16
45. 117 6.00001 3.00001 16; 118 12 3.00001 16; 119 18 3.00001 16
46. 120 24 3.00001 16; 121 30.0001 3.00001 16; 122 36.0001 3.00001 16
47. 123 42.0001 3.00001 16; 124 48.0001 3.00001 16; 134 0 6.90001 0
48. 135 6.00001 6.90001 0; 136 12 6.90001 0; 137 18 6.90001 0; 138 24 6.90001 0
49. 139 30.0001 6.90001 0; 143 0 6.90001 6.00001; 144 6.00001 6.90001 6.00001
50. 145 12 6.90001 6.00001; 146 18 6.90001 6.00001; 147 24 6.90001 6.00001
51. 148 30.0001 6.90001 6.00001; 149 36.0001 6.90001 6.00001; 150 0 6.90001 1.5
52. 151 6.00001 6.90001 2; 152 12 6.90001 2; 153 18 6.90001 2; 154 24 6.90001 2
53. 155 30.0001 6.90001 2; 157 0 6.90001 3.00001; 158 6.00001 6.90001 4.00001
54. 159 12 6.90001 4.00001; 160 18 6.90001 4.00001; 161 24 6.90001 4.00001
55. 162 30.0001 6.90001 4.00001; 165 0 6.90001 18; 166 6.00001 6.90001 18
56. 167 12 6.90001 18; 168 18 6.90001 18; 169 24 6.90001 18
57. 170 30.0001 6.90001 18; 171 36.0001 6.90001 18; 173 0 6.90001 8.00002
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59. 177 24 6.90001 8.00002; 178 30.0001 6.90001 8.00002
60. 179 36.0001 6.90001 8.00002; 181 0 6.90001 10; 182 6.00001 6.90001 10
61. 183 12 6.90001 10; 184 18 6.90001 10; 185 24 6.90001 10
62. 186 30.0001 6.90001 10; 187 36.0001 6.90001 10; 189 0 6.90001 12
63. 190 6.00001 6.90001 12; 191 12 6.90001 12; 192 18 6.90001 12
64. 193 24 6.90001 12; 194 30.0001 6.90001 12; 195 36.0001 6.90001 12
65. 197 0 6.90001 14; 198 6.00001 6.90001 14; 199 12 6.90001 14; 200 18 6.90001 14
66. 201 24 6.90001 14; 202 30.0001 6.90001 14; 203 36.0001 6.90001 14
67. 205 0 6.90001 16; 206 6.00001 6.90001 16; 207 12 6.90001 16; 208 18 6.90001 16
68. 209 24 6.90001 16; 210 30.0001 6.90001 16; 211 36.0001 6.90001 16
69. 213 6.00001 6.90001 1.5; 214 6.00001 6.90001 3.00001
70. 226 36.0001 6.90001 4.30001; 227 36.0001 6.90001 1.378
71. 228 8.00001 3.00001 8.00002; 229 10 3.00001 8.00002; 230 8.00001 3.00001 10
72. 231 10 3.00001 10; 232 6.25001 3.00001 6.00001; 233 6.25001 3.00001 8.00002
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80. 253 19.085 6.9 8.774; 254 15 3.00001 4.20001; 255 18 6.90001 6.50001
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82. 258 6.00001 3.00001 6.50002; 259 12 3.00001 6.50002
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132. 347 205 206; 348 207 208; 349 208 209; 350 209 210; 351 210 211; 353 150 213
133. 354 157 246; 366 149 226; 367 228 229; 368 229 236; 369 230 231; 370 231 243
134. 371 230 228; 372 231 229; 373 232 234; 374 233 228; 375 233 232; 376 234 235
135. 377 228 234; 378 235 237; 379 229 235; 380 236 93; 381 237 24; 382 236 237
136. 383 238 239; 384 239 242; 385 240 230; 386 241 238; 387 242 82; 388 243 100
137. 389 241 240; 390 238 230; 391 239 231; 392 242 243; 393 244 43; 394 244 227
138. 395 245 144; 396 246 214; 397 245 251; 398 247 148; 399 247 226; 400 248 227
139. 401 249 162; 402 249 248; 403 250 144; 404 251 246; 405 251 250; 406 58 56
140. 407 59 48; 408 60 24; 409 61 26; 412 226 248; 413 254 58; 414 213 151
141. 415 214 158; 416 255 176; 417 256 177; 418 257 178; 419 258 22; 420 259 24
142. DEFINE MATERIAL START
143. ISOTROPIC STEEL
144. E 2.03889E+007
145. POISSON 0.3
146. DENSITY 7.83337
147. ALPHA 6E-006
148. DAMP 0.03
149. TYPE STEEL
150. STRENGTH FY 25310.4 FU 40777.9 RY 1.5 RT 1.2

STAAD SPACE

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151. END DEFINE MATERIAL
152. MEMBER PROPERTY AMERICAN
153. 1 TO 9 18 TO 26 84 TO 92 195 TO 200 210 TO 216 258 TO 264 TABLE ST W14X90
154. 10 TO 17 27 TO 34 76 77 102 TO 109 373 376 378 381 TABLE ST W16X45
155. 35 TO 52 60 TO 68 393 407 TO 409 TABLE ST W16X45
156. 93 TO 101 110 TO 118 127 128 130 131 133 TO 139 146 TO 152 159 TO 167 176 -
157. 177 TO 184 TABLE ST W21X73
158. 53 TO 59 69 TO 75 78 79 81 TO 83 119 TO 126 129 132 141 TO 145 154 TO 158 -
159. 168 TO 175 185 TO 194 375 377 379 382 TO 384 386 387 389 TO 392 406 -
160. 413 TABLE ST W14X30
161. 140 153 367 TO 370 374 380 385 388 TABLE ST W18X65
162. 371 372 TABLE ST W8X40
163. 273 TO 275 279 281 TO 287 296 TO 302 311 TO 317 325 TO 331 339 TO 345 416 -
164. 417 TO 418 TABLE ST W21X73
165. 223 TO 225 230 TO 232 243 TO 245 366 400 403 412 414 415 TABLE ST W16X36
166. 204 TO 208 217 TO 222 265 TO 270 395 TABLE ST W16X36
167. 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 333 TO 337 -
168. 347 TO 351 353 354 396 397 399 402 404 405 TABLE ST W14X30
169. 394 TABLE ST TUB60404
170. 226 TO 228 233 TO 235 246 TO 248 398 401 TABLE ST W16X36
171. 276 TO 278 419 420 TABLE TC W21X73 WP 0.19 TH 0.008
172. CONSTANTS
173. BETA 90 MEMB 1 TO 9 18 TO 26 84 TO 92 195 TO 200 210 TO 216 258 TO 264
174. MATERIAL STEEL ALL
175. SUPPORTS
176. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 62 64 66 68 70 72 74 76 -
177. 78 FIXED
178. MEMBER RELEASE
179. 53 TO 59 69 TO 75 81 TO 83 119 TO 126 129 132 140 TO 145 153 TO 158 -
180. 168 TO 175 185 TO 194 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 -
181. 319 TO 323 333 TO 337 347 TO 351 353 354 399 402 START MZ
182. 53 TO 59 69 TO 75 81 TO 83 119 121 TO 126 129 132 141 TO 145 154 TO 158 168 -
183. 169 TO 175 185 TO 194 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 -
184. 319 TO 323 333 TO 337 347 TO 351 353 380 387 388 396 399 402 405 END MZ
185. 78 371 372 375 377 379 382 389 TO 392 397 START MX
186. 371 372 375 377 379 382 389 TO 392 400 404 406 END MX
187. SLAVE ZX MASTER 252 JOINT 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 -
**WARNING- JOINT NO. 252 NOT CONNECTED. OK, IF PART OF MASTER/SLAVE.
**WARNING- JOINT NO. 253 NOT CONNECTED. OK, IF PART OF MASTER/SLAVE.
188. 63 65 67 69 71 73 75 77 79
189. SLAVE ZX MASTER 253 JOINT 134 TO 139 143 TO 149 165 TO 171 227
190. LOAD 1 LOADTYPE DEAD TITLE PP
191. SELFWEIGHT Y -1
192. LOAD 2 LOADTYPE DEAD TITLE CM
193. MEMBER LOAD
194. 10 11 13 TO 17 28 81 83 102 TO 109 120 140 153 368 370 TO 376 378 380 TO 389 -
195. 392 UNI GY -0.4
196. 27 29 TO 34 53 TO 59 69 TO 75 77 82 119 121 TO 126 129 132 141 TO 145 154 -
197. 155 TO 158 168 TO 175 185 TO 194 377 379 390 391 UNI GY -0.8
198. 204 TO 208 217 218 265 267 TO 270 354 UNI GY -0.47
199. 219 TO 222 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 -
200. 333 TO 337 347 TO 351 353 395 396 399 402 405 UNI GY -0.94
201. LOAD 3 LOADTYPE DEAD TITLE CV MAX
202. MEMBER LOAD
203. 10 11 13 TO 17 28 81 83 102 TO 109 120 140 153 368 370 TO 376 378 380 TO 389 -
204. 392 UNI GY -0.25
```


205. 27 29 TO 34 53 TO 59 69 TO 75 77 82 119 121 TO 126 129 132 141 TO 145 154 -
206. 155 TO 158 168 TO 175 185 TO 194 377 379 390 391 UNI GY -0.5
207. 204 TO 208 217 218 265 267 TO 270 354 UNI GY -0.1
208. 219 TO 222 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 -
209. 333 TO 337 347 TO 351 353 395 396 399 402 405 UNI GY -0.2
210. LOAD 4 LOADTYPE DEAD TITLE CV INST
211. MEMBER LOAD
212. 10 11 13 TO 17 28 81 83 102 TO 109 120 140 153 368 370 TO 376 378 380 TO 389 -
213. 392 UNI GY -0.18
214. 27 29 TO 34 53 TO 59 69 TO 75 77 82 119 121 TO 126 129 132 141 TO 145 154 -
215. 155 TO 158 168 TO 175 185 TO 194 377 379 390 391 UNI GY -0.36
216. 204 TO 208 217 218 265 267 TO 270 354 UNI GY -0.07
217. 219 TO 222 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 -
218. 333 TO 337 347 TO 351 353 395 396 399 402 405 UNI GY -0.14
219. LOAD 5 LOADTYPE DEAD TITLE CV MED
220. MEMBER LOAD
221. 10 11 13 TO 17 28 81 83 102 TO 109 120 140 153 368 370 TO 376 378 380 TO 389 -
222. 392 UNI GY -0.1
223. 27 29 TO 34 53 TO 59 69 TO 75 77 82 119 121 TO 126 129 132 141 TO 145 154 -
224. 155 TO 158 168 TO 175 185 TO 194 377 379 390 391 UNI GY -0.2
225. 204 TO 208 217 218 265 267 TO 270 354 UNI GY -0.015
226. 219 TO 222 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 -
227. 333 TO 337 347 TO 351 353 395 396 399 402 405 UNI GY -0.03
228. LOAD 6 LOADTYPE DEAD TITLE EQUIPOS
229. MEMBER LOAD
230. 253 CON GY -0.25 2.3
231. 253 CON GY -0.25 5.4
232. 220 CON GY -0.47 2.3
233. 220 CON GY -0.47 5.4
234. LOAD 7 LOADTYPE DEAD TITLE ARRIATE
235. MEMBER LOAD
236. 371 372 UNI GY -1.8
237. 371 372 CON GY -0.75 1
238. LOAD 8 LOADTYPE SEISMIC TITLE SISMO EN X
239. SELFWEIGHT X 1
240. SELFWEIGHT Y 1
241. SELFWEIGHT Z 1
242. *****
243. MEMBER LOAD
244. 10 11 13 TO 17 28 81 83 102 TO 109 120 140 153 368 370 TO 376 378 380 TO 389 -
245. 392 UNI GX 0.4
246. 27 29 TO 34 53 TO 59 69 TO 75 77 82 119 121 TO 126 129 132 141 TO 145 154 -
247. 155 TO 158 168 TO 175 185 TO 194 377 379 390 391 UNI GX 0.8
248. 204 TO 208 217 218 265 267 TO 270 354 UNI GX 0.47
249. 219 TO 222 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 -
250. 333 TO 337 347 TO 351 353 395 396 399 402 405 UNI GX 0.94
251. MEMBER LOAD
252. 10 11 13 TO 17 28 81 83 102 TO 109 120 140 153 368 370 TO 376 378 380 TO 389 -
253. 392 UNI GY 0.4
254. 27 29 TO 34 53 TO 59 69 TO 75 77 82 119 121 TO 126 129 132 141 TO 145 154 -
255. 155 TO 158 168 TO 175 185 TO 194 377 379 390 391 UNI GY 0.8
256. 204 TO 208 217 218 265 267 TO 270 354 UNI GY 0.47
257. 219 TO 222 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 -
258. 333 TO 337 347 TO 351 353 395 396 399 402 405 UNI GY 0.94
259. MEMBER LOAD
260. 10 11 13 TO 17 28 81 83 102 TO 109 120 140 153 368 370 TO 376 378 380 TO 389 -

261. 392 UNI GZ 0.4
262. 27 29 TO 34 53 TO 59 69 TO 75 77 82 119 121 TO 126 129 132 141 TO 145 154 -
263. 155 TO 158 168 TO 175 185 TO 194 377 379 390 391 UNI GZ 0.8
264. 204 TO 208 217 218 265 267 TO 270 354 UNI GZ 0.47
265. 219 TO 222 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 -
266. 333 TO 337 347 TO 351 353 395 396 399 402 405 UNI GZ 0.94
267. *****
268. MEMBER LOAD
269. 10 11 13 TO 17 28 81 83 102 TO 109 120 140 153 368 370 TO 376 378 380 TO 389 -
270. 392 UNI GX 0.18
271. 27 29 TO 34 53 TO 59 69 TO 75 77 82 119 121 TO 126 129 132 141 TO 145 154 -
272. 155 TO 158 168 TO 175 185 TO 194 377 379 390 391 UNI GX 0.36
273. 204 TO 208 217 218 265 267 TO 270 354 UNI GX 0.07
274. 219 TO 222 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 -
275. 333 TO 337 347 TO 351 353 395 396 399 402 405 UNI GX 0.14
276. MEMBER LOAD
277. 10 11 13 TO 17 28 81 83 102 TO 109 120 140 153 368 370 TO 376 378 380 TO 389 -
278. 392 UNI GY 0.18
279. 27 29 TO 34 53 TO 59 69 TO 75 77 82 119 121 TO 126 129 132 141 TO 145 154 -
280. 155 TO 158 168 TO 175 185 TO 194 377 379 390 391 UNI GY 0.36
281. 204 TO 208 217 218 265 267 TO 270 354 UNI GY 0.07
282. 219 TO 222 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 -
283. 333 TO 337 347 TO 351 353 395 396 399 402 405 UNI GY 0.14
284. MEMBER LOAD
285. 10 11 13 TO 17 28 81 83 102 TO 109 120 140 153 368 370 TO 376 378 380 TO 389 -
286. 392 UNI GX 0.18
287. 27 29 TO 34 53 TO 59 69 TO 75 77 82 119 121 TO 126 129 132 141 TO 145 154 -
288. 155 TO 158 168 TO 175 185 TO 194 377 379 390 391 UNI GX 0.36
289. 204 TO 208 217 218 265 267 TO 270 354 UNI GX 0.07
290. 219 TO 222 238 TO 241 251 TO 254 289 291 TO 294 304 306 TO 309 319 TO 323 -
291. 333 TO 337 347 TO 351 353 395 396 399 402 405 UNI GX 0.14
292. *****
293. MEMBER LOAD
294. 253 CON GX 0.25 2.3
295. 253 CON GX 0.25 5.4
296. 220 CON GX 0.47 2.3
297. 220 CON GX 0.47 5.4
298. MEMBER LOAD
299. 253 CON GY 0.25 2.3
300. 253 CON GY 0.25 5.4
301. 220 CON GY 0.47 2.3
302. 220 CON GY 0.47 5.4
303. MEMBER LOAD
304. 253 CON GZ 0.25 2.3
305. 253 CON GZ 0.25 5.4
306. 220 CON GZ 0.47 2.3
307. 220 CON GZ 0.47 5.4
308. *****
309. MEMBER LOAD
310. 371 372 UNI GX 1.8
311. 371 372 CON GX 0.75 1
312. MEMBER LOAD
313. 371 372 UNI GY 1.8
314. 371 372 CON GY 0.75 1
315. MEMBER LOAD
316. 371 372 UNI GZ 1.8

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317. 371 372 CON GZ 0.75 1
318. *****
319. SPECTRUM SRSS X 1 ACC SCALE 9.81 DAMP 0.05 LIN
320. 0 0.06; 0.1 0.084; 0.2 0.109; 0.3 0.133; 0.4 0.133; 0.5 0.133; 0.6 0.133
321. 0.7 0.133; 0.8 0.133; 0.9 0.133; 1 0.133; 1.1 0.133; 1.2 0.133; 1.3 0.133
322. 1.4 0.133; 1.5 0.133; 1.6 0.128; 1.7 0.123; 1.8 0.118; 1.9 0.114; 2 0.11
323. 2.1 0.107; 2.2 0.103; 2.3 0.1; 2.4 0.097; 2.5 0.095; 2.6 0.092; 2.7 0.09
324. 2.8 0.088; 2.9 0.086; 3 0.084; 3.1 0.082; 3.2 0.08; 3.3 0.079; 3.4 0.077
325. 3.5 0.076; 3.6 0.074; 3.7 0.073; 3.8 0.072; 3.9 0.071; 4 0.069; 4.1 0.068
326. 4.2 0.067; 4.3 0.066; 4.4 0.065; 4.5 0.064; 4.6 0.063; 4.7 0.062; 4.8 0.061
327. 4.9 0.061; 5 0.06
328. LOAD 9 LOADTYPE SEISMIC TITLE SISMO EN Z
329. SPECTRUM SRSS Z 1 ACC SCALE 9.81 DAMP 0.05 LIN
330. ***** SERVICIO *****
331. 0 0.06; 0.1 0.084; 0.2 0.109; 0.3 0.133; 0.4 0.133; 0.5 0.133; 0.6 0.133
332. 0.7 0.133; 0.8 0.133; 0.9 0.133; 1 0.133; 1.1 0.133; 1.2 0.133; 1.3 0.133
333. 1.4 0.133; 1.5 0.133; 1.6 0.128; 1.7 0.123; 1.8 0.118; 1.9 0.114; 2 0.11
334. 2.1 0.107; 2.2 0.103; 2.3 0.1; 2.4 0.097; 2.5 0.095; 2.6 0.092; 2.7 0.09
335. 2.8 0.088; 2.9 0.086; 3 0.084; 3.1 0.082; 3.2 0.08; 3.3 0.079; 3.4 0.077
336. 3.5 0.076; 3.6 0.074; 3.7 0.073; 3.8 0.072; 3.9 0.071; 4 0.069; 4.1 0.068
337. 4.2 0.067; 4.3 0.066; 4.4 0.065; 4.5 0.064; 4.6 0.063; 4.7 0.062; 4.8 0.061
338. 4.9 0.061; 5 0.06
339. LOAD COMB 10 1.0 (PP+CM+CVMAX+EQU+ARR)
340. 1 1.0 2 1.0 3 1.0 6 1.0 7 1.0
341. LOAD COMB 11 1.0 (PP+CM+EQ+CVINST+ARR + SX+ 0.3 SZ)
342. 1 1.0 2 1.0 4 1.0 6 1.0 7 1.0 8 1.0 9 0.3
343. LOAD COMB 12 1.0 (PP+CM+EQ+CVINST+ARR + SX- 0.3 SZ)
344. 1 1.0 2 1.0 4 1.0 6 1.0 7 1.0 8 1.0 9 -0.3
345. LOAD COMB 13 1.0 (PP+CM+EQ+CVINST+ARR - SX+ 0.3 SZ)
346. 1 1.0 2 1.0 4 1.0 6 1.0 7 1.0 8 -1.0 9 0.3
347. LOAD COMB 14 1.0 (PP+CM+EQ+CVINST+ARR - SX- 0.3 SZ)
348. 1 1.0 2 1.0 4 1.0 6 1.0 7 1.0 8 -1.0 9 -0.3
349. LOAD COMB 15 1.0 (PP+CM+EQ+CVINST+ARR + 0.3 SX+ SZ)
350. 1 1.0 2 1.0 4 1.0 6 1.0 7 1.0 8 0.3 9 1.0
351. LOAD COMB 16 1.0 (PP+CM+EQ+CVINST+ARR + 0.3 SX- SZ)
352. 1 1.0 2 1.0 4 1.0 6 1.0 7 1.0 8 0.3 9 -1.0
353. LOAD COMB 17 1.0 (PP+CM+EQ+CVINST+ARR - 0.3 SX+ SZ)
354. 1 1.0 2 1.0 4 1.0 6 1.0 7 1.0 8 -0.3 9 1.0
355. LOAD COMB 18 1.0 (PP+CM+EQ+CVINST+ARR - 0.3 SX- SZ)
356. 1 1.0 2 1.0 4 1.0 6 1.0 7 1.0 8 -0.3 9 -1.0
357. LOAD COMB 19 1.0 (PP+CM+EQ+CVINST+ARR)
358. 1 1.0 2 1.0 4 1.0 6 1.0 7 1.0
359. ***** DISE?O *****
360. LOAD COMB 20 1.4 (PP+CM+EQ+CVMAX+ARR)
361. 1 1.4 2 1.4 3 1.4 6 1.4 7 1.4
362. LOAD COMB 21 1.1 (PP+CM+EQ+CVINST + SX+ 0.33 SZ)
363. 1 1.1 2 1.1 4 1.1 6 1.1 7 1.1 8 1.1 9 0.33
364. LOAD COMB 22 1.1 (PP+CM+EQ+CVINST + SX- 0.33 SZ)
365. 1 1.1 2 1.1 4 1.1 6 1.1 7 1.1 8 1.1 9 -0.33
366. LOAD COMB 23 1.1 (PP+CM+EQ+CVINST - SX+ 0.33 SZ)
367. 1 1.1 2 1.1 4 1.1 6 1.1 7 1.1 8 -1.1 9 0.33
368. LOAD COMB 24 1.1 (PP+CM+EQ+CVINST - SX- 0.33 SZ)
369. 1 1.1 2 1.1 4 1.1 6 1.1 7 1.1 8 -1.1 9 -0.33
370. LOAD COMB 25 1.1 (PP+CM+EQ+CVINST + 0.33 SX+ SZ)
371. 1 1.1 2 1.1 4 1.1 6 1.1 7 1.1 8 0.33 9 1.1
372. LOAD COMB 26 1.1 (PP+CM+EQ+CVINST + 0.33 SX- SZ)

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373. 1 1.1 2 1.1 4 1.1 6 1.1 7 1.1 8 0.33 9 -1.1
374. LOAD COMB 27 1.1 (PP+CM+EQ+CVINST - 0.33 SX+ SZ)
375. 1 1.1 2 1.1 4 1.1 6 1.1 7 1.1 8 -0.33 9 1.1
376. LOAD COMB 28 1.1 (PP+CM+EQ+CVINST - 0.33 SX- SZ)
377. 1 1.1 2 1.1 4 1.1 6 1.1 7 1.1 8 -0.33 9 -1.1
378. LOAD COMB 29 1.0 (PP+CM+EQ+CVMED+ARR)
379. 1 1.0 2 1.0 5 1.0 6 1.0 7 1.0
380. PERFORM ANALYSIS PRINT ALL

P R O B L E M S T A T I S T I C S

NUMBER OF JOINTS	227	NUMBER OF MEMBERS	378
NUMBER OF PLATES	0	NUMBER OF SOLIDS	0
NUMBER OF SURFACES	0	NUMBER OF SUPPORTS	27

SOLVER USED IS THE OUT-OF-CORE BASIC SOLVER

ORIGINAL/FINAL BAND-WIDTH= 204/ 24/ 1054 DOF
TOTAL PRIMARY LOAD CASES = 9, TOTAL DEGREES OF FREEDOM = 1056
TOTAL LOAD COMBINATION CASES = 20 SO FAR.
SIZE OF STIFFNESS MATRIX = 1114 DOUBLE KILO-WORDS
REQD/AVAIL. DISK SPACE = 29.9/ 422494.9 MB

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LOADING 1 LOADTYPE DEAD TITLE PP

SELFWEIGHT Y -1.000

ACTUAL WEIGHT OF THE STRUCTURE = 91.538 MTON

LOADING 2 LOADTYPE DEAD TITLE CM

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
10	-0.4000 GY	0.00	6.00				
11	-0.4000 GY	0.00	6.00				
13	-0.4000 GY	0.00	6.00				
14	-0.4000 GY	0.00	6.00				
15	-0.4000 GY	0.00	6.00				
16	-0.4000 GY	0.00	6.00				
17	-0.4000 GY	0.00	6.00				
28	-0.4000 GY	0.00	0.25				
81	-0.4000 GY	0.00	3.00				
83	-0.4000 GY	0.00	3.00				
102	-0.4000 GY	0.00	6.00				
103	-0.4000 GY	0.00	6.00				
104	-0.4000 GY	0.00	6.00				
105	-0.4000 GY	0.00	6.00				
106	-0.4000 GY	0.00	6.00				
107	-0.4000 GY	0.00	6.00				
108	-0.4000 GY	0.00	6.00				
109	-0.4000 GY	0.00	6.00				
120	-0.4000 GY	0.00	0.25				
140	-0.4000 GY	0.00	0.25				
153	-0.4000 GY	0.00	0.25				
368	-0.4000 GY	0.00	1.75				
370	-0.4000 GY	0.00	1.75				
371	-0.4000 GY	0.00	2.00				
372	-0.4000 GY	0.00	2.00				
373	-0.4000 GY	0.00	1.75				
374	-0.4000 GY	0.00	1.75				
375	-0.4000 GY	0.00	2.00				
376	-0.4000 GY	0.00	2.00				
378	-0.4000 GY	0.00	1.75				
380	-0.4000 GY	0.00	0.25				
381	-0.4000 GY	0.00	0.25				
382	-0.4000 GY	0.00	2.00				
383	-0.4000 GY	0.00	2.00				
384	-0.4000 GY	0.00	1.75				
385	-0.4000 GY	0.00	1.75				
386	-0.4000 GY	0.00	1.75				
387	-0.4000 GY	0.00	0.25				

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388	-0.4000	GY	0.00	0.25
389	-0.4000	GY	0.00	2.00
392	-0.4000	GY	0.00	2.00
27	-0.8000	GY	0.00	6.00
29	-0.8000	GY	0.00	3.00
30	-0.8000	GY	0.00	6.00
31	-0.8000	GY	0.00	6.00
32	-0.8000	GY	0.00	6.00
33	-0.8000	GY	0.00	6.00
34	-0.8000	GY	0.00	6.00
53	-0.8000	GY	0.00	6.00
54	-0.8000	GY	0.00	6.00
55	-0.8000	GY	0.00	6.00
56	-0.8000	GY	0.00	6.00
57	-0.8000	GY	0.00	6.00
58	-0.8000	GY	0.00	6.00
59	-0.8000	GY	0.00	6.00
69	-0.8000	GY	0.00	6.00
70	-0.8000	GY	0.00	6.00
71	-0.8000	GY	0.00	6.00
72	-0.8000	GY	0.00	6.00
73	-0.8000	GY	0.00	6.00
74	-0.8000	GY	0.00	6.00
75	-0.8000	GY	0.00	6.00
77	-0.8000	GY	0.00	3.00
82	-0.8000	GY	0.00	3.00
119	-0.8000	GY	0.00	6.00
121	-0.8000	GY	0.00	6.00
122	-0.8000	GY	0.00	6.00
123	-0.8000	GY	0.00	6.00
124	-0.8000	GY	0.00	6.00
125	-0.8000	GY	0.00	6.00
126	-0.8000	GY	0.00	6.00
129	-0.8000	GY	0.00	6.00
132	-0.8000	GY	0.00	6.00
141	-0.8000	GY	0.00	6.00
142	-0.8000	GY	0.00	6.00
143	-0.8000	GY	0.00	6.00
144	-0.8000	GY	0.00	6.00
145	-0.8000	GY	0.00	6.00
154	-0.8000	GY	0.00	6.00
155	-0.8000	GY	0.00	6.00
156	-0.8000	GY	0.00	6.00
157	-0.8000	GY	0.00	6.00
158	-0.8000	GY	0.00	6.00
168	-0.8000	GY	0.00	6.00
169	-0.8000	GY	0.00	6.00
170	-0.8000	GY	0.00	6.00
171	-0.8000	GY	0.00	6.00
172	-0.8000	GY	0.00	6.00
173	-0.8000	GY	0.00	6.00
174	-0.8000	GY	0.00	6.00
175	-0.8000	GY	0.00	6.00
185	-0.8000	GY	0.00	6.00
186	-0.8000	GY	0.00	6.00
187	-0.8000	GY	0.00	6.00

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188	-0.8000	GY	0.00	6.00
189	-0.8000	GY	0.00	6.00
190	-0.8000	GY	0.00	6.00
191	-0.8000	GY	0.00	6.00
192	-0.8000	GY	0.00	6.00
193	-0.8000	GY	0.00	6.00
194	-0.8000	GY	0.00	6.00
377	-0.8000	GY	0.00	2.00
379	-0.8000	GY	0.00	2.00
390	-0.8000	GY	0.00	2.00
391	-0.8000	GY	0.00	2.00
204	-0.4700	GY	0.00	6.00
205	-0.4700	GY	0.00	6.00
206	-0.4700	GY	0.00	6.00
207	-0.4700	GY	0.00	6.00
208	-0.4700	GY	0.00	6.00
217	-0.4700	GY	0.00	4.50
218	-0.4700	GY	0.00	6.00
265	-0.4700	GY	0.00	6.00
267	-0.4700	GY	0.00	6.00
268	-0.4700	GY	0.00	6.00
269	-0.4700	GY	0.00	6.00
270	-0.4700	GY	0.00	6.00
354	-0.4700	GY	0.00	4.50
219	-0.9400	GY	0.00	6.00
220	-0.9400	GY	0.00	6.00
221	-0.9400	GY	0.00	6.00
222	-0.9400	GY	0.00	6.00
238	-0.9400	GY	0.00	6.00
239	-0.9400	GY	0.00	6.00
240	-0.9400	GY	0.00	6.00
241	-0.9400	GY	0.00	6.00
251	-0.9400	GY	0.00	6.00
252	-0.9400	GY	0.00	6.00
253	-0.9400	GY	0.00	6.00
254	-0.9400	GY	0.00	6.00
289	-0.9400	GY	0.00	6.00
291	-0.9400	GY	0.00	6.00
292	-0.9400	GY	0.00	6.00
293	-0.9400	GY	0.00	6.00
294	-0.9400	GY	0.00	6.00
304	-0.9400	GY	0.00	6.00
306	-0.9400	GY	0.00	6.00
307	-0.9400	GY	0.00	6.00
308	-0.9400	GY	0.00	6.00
309	-0.9400	GY	0.00	6.00
319	-0.9400	GY	0.00	6.00
320	-0.9400	GY	0.00	6.00
321	-0.9400	GY	0.00	6.00
322	-0.9400	GY	0.00	6.00
323	-0.9400	GY	0.00	6.00
333	-0.9400	GY	0.00	6.00
334	-0.9400	GY	0.00	6.00
335	-0.9400	GY	0.00	6.00
336	-0.9400	GY	0.00	6.00
337	-0.9400	GY	0.00	6.00

STAAD SPACE

-- PAGE NO. 12

347	-0.9400	GY	0.00	6.00
348	-0.9400	GY	0.00	6.00
349	-0.9400	GY	0.00	6.00
350	-0.9400	GY	0.00	6.00
351	-0.9400	GY	0.00	6.00
353	-0.9400	GY	0.00	6.00
395	-0.9400	GY	0.00	1.50
396	-0.9400	GY	0.00	1.50
399	-0.9400	GY	0.00	6.00
402	-0.9400	GY	0.00	6.00
405	-0.9400	GY	0.00	1.50

LOADING 3 LOADTYPE DEAD TITLE CV MAX

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
10	-0.2500	GY	0.00	6.00			
11	-0.2500	GY	0.00	6.00			
13	-0.2500	GY	0.00	6.00			
14	-0.2500	GY	0.00	6.00			
15	-0.2500	GY	0.00	6.00			
16	-0.2500	GY	0.00	6.00			
17	-0.2500	GY	0.00	6.00			
28	-0.2500	GY	0.00	0.25			
81	-0.2500	GY	0.00	3.00			
83	-0.2500	GY	0.00	3.00			
102	-0.2500	GY	0.00	6.00			
103	-0.2500	GY	0.00	6.00			
104	-0.2500	GY	0.00	6.00			
105	-0.2500	GY	0.00	6.00			
106	-0.2500	GY	0.00	6.00			
107	-0.2500	GY	0.00	6.00			
108	-0.2500	GY	0.00	6.00			
109	-0.2500	GY	0.00	6.00			
120	-0.2500	GY	0.00	0.25			
140	-0.2500	GY	0.00	0.25			
153	-0.2500	GY	0.00	0.25			
368	-0.2500	GY	0.00	1.75			
370	-0.2500	GY	0.00	1.75			
371	-0.2500	GY	0.00	2.00			
372	-0.2500	GY	0.00	2.00			
373	-0.2500	GY	0.00	1.75			
374	-0.2500	GY	0.00	1.75			
375	-0.2500	GY	0.00	2.00			
376	-0.2500	GY	0.00	2.00			
378	-0.2500	GY	0.00	1.75			
380	-0.2500	GY	0.00	0.25			
381	-0.2500	GY	0.00	0.25			
382	-0.2500	GY	0.00	2.00			
383	-0.2500	GY	0.00	2.00			
384	-0.2500	GY	0.00	1.75			

STAAD SPACE

-- PAGE NO. 13

385	-0.2500	GY	0.00	1.75
386	-0.2500	GY	0.00	1.75
387	-0.2500	GY	0.00	0.25
388	-0.2500	GY	0.00	0.25
389	-0.2500	GY	0.00	2.00
392	-0.2500	GY	0.00	2.00
27	-0.5000	GY	0.00	6.00
29	-0.5000	GY	0.00	3.00
30	-0.5000	GY	0.00	6.00
31	-0.5000	GY	0.00	6.00
32	-0.5000	GY	0.00	6.00
33	-0.5000	GY	0.00	6.00
34	-0.5000	GY	0.00	6.00
53	-0.5000	GY	0.00	6.00
54	-0.5000	GY	0.00	6.00
55	-0.5000	GY	0.00	6.00
56	-0.5000	GY	0.00	6.00
57	-0.5000	GY	0.00	6.00
58	-0.5000	GY	0.00	6.00
59	-0.5000	GY	0.00	6.00
69	-0.5000	GY	0.00	6.00
70	-0.5000	GY	0.00	6.00
71	-0.5000	GY	0.00	6.00
72	-0.5000	GY	0.00	6.00
73	-0.5000	GY	0.00	6.00
74	-0.5000	GY	0.00	6.00
75	-0.5000	GY	0.00	6.00
77	-0.5000	GY	0.00	3.00
82	-0.5000	GY	0.00	3.00
119	-0.5000	GY	0.00	6.00
121	-0.5000	GY	0.00	6.00
122	-0.5000	GY	0.00	6.00
123	-0.5000	GY	0.00	6.00
124	-0.5000	GY	0.00	6.00
125	-0.5000	GY	0.00	6.00
126	-0.5000	GY	0.00	6.00
129	-0.5000	GY	0.00	6.00
132	-0.5000	GY	0.00	6.00
141	-0.5000	GY	0.00	6.00
142	-0.5000	GY	0.00	6.00
143	-0.5000	GY	0.00	6.00
144	-0.5000	GY	0.00	6.00
145	-0.5000	GY	0.00	6.00
154	-0.5000	GY	0.00	6.00
155	-0.5000	GY	0.00	6.00
156	-0.5000	GY	0.00	6.00
157	-0.5000	GY	0.00	6.00
158	-0.5000	GY	0.00	6.00
168	-0.5000	GY	0.00	6.00
169	-0.5000	GY	0.00	6.00
170	-0.5000	GY	0.00	6.00
171	-0.5000	GY	0.00	6.00
172	-0.5000	GY	0.00	6.00
173	-0.5000	GY	0.00	6.00
174	-0.5000	GY	0.00	6.00
175	-0.5000	GY	0.00	6.00

STAAD SPACE

-- PAGE NO. 14

185	-0.5000	GY	0.00	6.00
186	-0.5000	GY	0.00	6.00
187	-0.5000	GY	0.00	6.00
188	-0.5000	GY	0.00	6.00
189	-0.5000	GY	0.00	6.00
190	-0.5000	GY	0.00	6.00
191	-0.5000	GY	0.00	6.00
192	-0.5000	GY	0.00	6.00
193	-0.5000	GY	0.00	6.00
194	-0.5000	GY	0.00	6.00
377	-0.5000	GY	0.00	2.00
379	-0.5000	GY	0.00	2.00
390	-0.5000	GY	0.00	2.00
391	-0.5000	GY	0.00	2.00
204	-0.1000	GY	0.00	6.00
205	-0.1000	GY	0.00	6.00
206	-0.1000	GY	0.00	6.00
207	-0.1000	GY	0.00	6.00
208	-0.1000	GY	0.00	6.00
217	-0.1000	GY	0.00	4.50
218	-0.1000	GY	0.00	6.00
265	-0.1000	GY	0.00	6.00
267	-0.1000	GY	0.00	6.00
268	-0.1000	GY	0.00	6.00
269	-0.1000	GY	0.00	6.00
270	-0.1000	GY	0.00	6.00
354	-0.1000	GY	0.00	4.50
219	-0.2000	GY	0.00	6.00
220	-0.2000	GY	0.00	6.00
221	-0.2000	GY	0.00	6.00
222	-0.2000	GY	0.00	6.00
238	-0.2000	GY	0.00	6.00
239	-0.2000	GY	0.00	6.00
240	-0.2000	GY	0.00	6.00
241	-0.2000	GY	0.00	6.00
251	-0.2000	GY	0.00	6.00
252	-0.2000	GY	0.00	6.00
253	-0.2000	GY	0.00	6.00
254	-0.2000	GY	0.00	6.00
289	-0.2000	GY	0.00	6.00
291	-0.2000	GY	0.00	6.00
292	-0.2000	GY	0.00	6.00
293	-0.2000	GY	0.00	6.00
294	-0.2000	GY	0.00	6.00
304	-0.2000	GY	0.00	6.00
306	-0.2000	GY	0.00	6.00
307	-0.2000	GY	0.00	6.00
308	-0.2000	GY	0.00	6.00
309	-0.2000	GY	0.00	6.00
319	-0.2000	GY	0.00	6.00
320	-0.2000	GY	0.00	6.00
321	-0.2000	GY	0.00	6.00
322	-0.2000	GY	0.00	6.00
323	-0.2000	GY	0.00	6.00
333	-0.2000	GY	0.00	6.00
334	-0.2000	GY	0.00	6.00

STAAD SPACE

-- PAGE NO. 15

335	-0.2000	GY	0.00	6.00
336	-0.2000	GY	0.00	6.00
337	-0.2000	GY	0.00	6.00
347	-0.2000	GY	0.00	6.00
348	-0.2000	GY	0.00	6.00
349	-0.2000	GY	0.00	6.00
350	-0.2000	GY	0.00	6.00
351	-0.2000	GY	0.00	6.00
353	-0.2000	GY	0.00	6.00
395	-0.2000	GY	0.00	1.50
396	-0.2000	GY	0.00	1.50
399	-0.2000	GY	0.00	6.00
402	-0.2000	GY	0.00	6.00
405	-0.2000	GY	0.00	1.50

LOADING 4 LOADTYPE DEAD TITLE CV INST

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
10	-0.1800	GY	0.00	6.00			
11	-0.1800	GY	0.00	6.00			
13	-0.1800	GY	0.00	6.00			
14	-0.1800	GY	0.00	6.00			
15	-0.1800	GY	0.00	6.00			
16	-0.1800	GY	0.00	6.00			
17	-0.1800	GY	0.00	6.00			
28	-0.1800	GY	0.00	0.25			
81	-0.1800	GY	0.00	3.00			
83	-0.1800	GY	0.00	3.00			
102	-0.1800	GY	0.00	6.00			
103	-0.1800	GY	0.00	6.00			
104	-0.1800	GY	0.00	6.00			
105	-0.1800	GY	0.00	6.00			
106	-0.1800	GY	0.00	6.00			
107	-0.1800	GY	0.00	6.00			
108	-0.1800	GY	0.00	6.00			
109	-0.1800	GY	0.00	6.00			
120	-0.1800	GY	0.00	0.25			
140	-0.1800	GY	0.00	0.25			
153	-0.1800	GY	0.00	0.25			
368	-0.1800	GY	0.00	1.75			
370	-0.1800	GY	0.00	1.75			
371	-0.1800	GY	0.00	2.00			
372	-0.1800	GY	0.00	2.00			
373	-0.1800	GY	0.00	1.75			
374	-0.1800	GY	0.00	1.75			
375	-0.1800	GY	0.00	2.00			
376	-0.1800	GY	0.00	2.00			
378	-0.1800	GY	0.00	1.75			
380	-0.1800	GY	0.00	0.25			
381	-0.1800	GY	0.00	0.25			

STAAD SPACE

-- PAGE NO. 16

382	-0.1800	GY	0.00	2.00
383	-0.1800	GY	0.00	2.00
384	-0.1800	GY	0.00	1.75
385	-0.1800	GY	0.00	1.75
386	-0.1800	GY	0.00	1.75
387	-0.1800	GY	0.00	0.25
388	-0.1800	GY	0.00	0.25
389	-0.1800	GY	0.00	2.00
392	-0.1800	GY	0.00	2.00
27	-0.3600	GY	0.00	6.00
29	-0.3600	GY	0.00	3.00
30	-0.3600	GY	0.00	6.00
31	-0.3600	GY	0.00	6.00
32	-0.3600	GY	0.00	6.00
33	-0.3600	GY	0.00	6.00
34	-0.3600	GY	0.00	6.00
53	-0.3600	GY	0.00	6.00
54	-0.3600	GY	0.00	6.00
55	-0.3600	GY	0.00	6.00
56	-0.3600	GY	0.00	6.00
57	-0.3600	GY	0.00	6.00
58	-0.3600	GY	0.00	6.00
59	-0.3600	GY	0.00	6.00
69	-0.3600	GY	0.00	6.00
70	-0.3600	GY	0.00	6.00
71	-0.3600	GY	0.00	6.00
72	-0.3600	GY	0.00	6.00
73	-0.3600	GY	0.00	6.00
74	-0.3600	GY	0.00	6.00
75	-0.3600	GY	0.00	6.00
77	-0.3600	GY	0.00	3.00
82	-0.3600	GY	0.00	3.00
119	-0.3600	GY	0.00	6.00
121	-0.3600	GY	0.00	6.00
122	-0.3600	GY	0.00	6.00
123	-0.3600	GY	0.00	6.00
124	-0.3600	GY	0.00	6.00
125	-0.3600	GY	0.00	6.00
126	-0.3600	GY	0.00	6.00
129	-0.3600	GY	0.00	6.00
132	-0.3600	GY	0.00	6.00
141	-0.3600	GY	0.00	6.00
142	-0.3600	GY	0.00	6.00
143	-0.3600	GY	0.00	6.00
144	-0.3600	GY	0.00	6.00
145	-0.3600	GY	0.00	6.00
154	-0.3600	GY	0.00	6.00
155	-0.3600	GY	0.00	6.00
156	-0.3600	GY	0.00	6.00
157	-0.3600	GY	0.00	6.00
158	-0.3600	GY	0.00	6.00
168	-0.3600	GY	0.00	6.00
169	-0.3600	GY	0.00	6.00
170	-0.3600	GY	0.00	6.00
171	-0.3600	GY	0.00	6.00
172	-0.3600	GY	0.00	6.00

STAAD SPACE

-- PAGE NO. 17

173	-0.3600	GY	0.00	6.00
174	-0.3600	GY	0.00	6.00
175	-0.3600	GY	0.00	6.00
185	-0.3600	GY	0.00	6.00
186	-0.3600	GY	0.00	6.00
187	-0.3600	GY	0.00	6.00
188	-0.3600	GY	0.00	6.00
189	-0.3600	GY	0.00	6.00
190	-0.3600	GY	0.00	6.00
191	-0.3600	GY	0.00	6.00
192	-0.3600	GY	0.00	6.00
193	-0.3600	GY	0.00	6.00
194	-0.3600	GY	0.00	6.00
377	-0.3600	GY	0.00	2.00
379	-0.3600	GY	0.00	2.00
390	-0.3600	GY	0.00	2.00
391	-0.3600	GY	0.00	2.00
204	-0.0700	GY	0.00	6.00
205	-0.0700	GY	0.00	6.00
206	-0.0700	GY	0.00	6.00
207	-0.0700	GY	0.00	6.00
208	-0.0700	GY	0.00	6.00
217	-0.0700	GY	0.00	4.50
218	-0.0700	GY	0.00	6.00
265	-0.0700	GY	0.00	6.00
267	-0.0700	GY	0.00	6.00
268	-0.0700	GY	0.00	6.00
269	-0.0700	GY	0.00	6.00
270	-0.0700	GY	0.00	6.00
354	-0.0700	GY	0.00	4.50
219	-0.1400	GY	0.00	6.00
220	-0.1400	GY	0.00	6.00
221	-0.1400	GY	0.00	6.00
222	-0.1400	GY	0.00	6.00
238	-0.1400	GY	0.00	6.00
239	-0.1400	GY	0.00	6.00
240	-0.1400	GY	0.00	6.00
241	-0.1400	GY	0.00	6.00
251	-0.1400	GY	0.00	6.00
252	-0.1400	GY	0.00	6.00
253	-0.1400	GY	0.00	6.00
254	-0.1400	GY	0.00	6.00
289	-0.1400	GY	0.00	6.00
291	-0.1400	GY	0.00	6.00
292	-0.1400	GY	0.00	6.00
293	-0.1400	GY	0.00	6.00
294	-0.1400	GY	0.00	6.00
304	-0.1400	GY	0.00	6.00
306	-0.1400	GY	0.00	6.00
307	-0.1400	GY	0.00	6.00
308	-0.1400	GY	0.00	6.00
309	-0.1400	GY	0.00	6.00
319	-0.1400	GY	0.00	6.00
320	-0.1400	GY	0.00	6.00
321	-0.1400	GY	0.00	6.00
322	-0.1400	GY	0.00	6.00

STAAD SPACE

-- PAGE NO. 18

323	-0.1400	GY	0.00	6.00
333	-0.1400	GY	0.00	6.00
334	-0.1400	GY	0.00	6.00
335	-0.1400	GY	0.00	6.00
336	-0.1400	GY	0.00	6.00
337	-0.1400	GY	0.00	6.00
347	-0.1400	GY	0.00	6.00
348	-0.1400	GY	0.00	6.00
349	-0.1400	GY	0.00	6.00
350	-0.1400	GY	0.00	6.00
351	-0.1400	GY	0.00	6.00
353	-0.1400	GY	0.00	6.00
395	-0.1400	GY	0.00	1.50
396	-0.1400	GY	0.00	1.50
399	-0.1400	GY	0.00	6.00
402	-0.1400	GY	0.00	6.00
405	-0.1400	GY	0.00	1.50

LOADING 5 LOADTYPE DEAD TITLE CV MED

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
10	-0.1000	GY	0.00	6.00			
11	-0.1000	GY	0.00	6.00			
13	-0.1000	GY	0.00	6.00			
14	-0.1000	GY	0.00	6.00			
15	-0.1000	GY	0.00	6.00			
16	-0.1000	GY	0.00	6.00			
17	-0.1000	GY	0.00	6.00			
28	-0.1000	GY	0.00	0.25			
81	-0.1000	GY	0.00	3.00			
83	-0.1000	GY	0.00	3.00			
102	-0.1000	GY	0.00	6.00			
103	-0.1000	GY	0.00	6.00			
104	-0.1000	GY	0.00	6.00			
105	-0.1000	GY	0.00	6.00			
106	-0.1000	GY	0.00	6.00			
107	-0.1000	GY	0.00	6.00			
108	-0.1000	GY	0.00	6.00			
109	-0.1000	GY	0.00	6.00			
120	-0.1000	GY	0.00	0.25			
140	-0.1000	GY	0.00	0.25			
153	-0.1000	GY	0.00	0.25			
368	-0.1000	GY	0.00	1.75			
370	-0.1000	GY	0.00	1.75			
371	-0.1000	GY	0.00	2.00			
372	-0.1000	GY	0.00	2.00			
373	-0.1000	GY	0.00	1.75			
374	-0.1000	GY	0.00	1.75			
375	-0.1000	GY	0.00	2.00			
376	-0.1000	GY	0.00	2.00			

STAAD SPACE

-- PAGE NO. 19

378	-0.1000	GY	0.00	1.75
380	-0.1000	GY	0.00	0.25
381	-0.1000	GY	0.00	0.25
382	-0.1000	GY	0.00	2.00
383	-0.1000	GY	0.00	2.00
384	-0.1000	GY	0.00	1.75
385	-0.1000	GY	0.00	1.75
386	-0.1000	GY	0.00	1.75
387	-0.1000	GY	0.00	0.25
388	-0.1000	GY	0.00	0.25
389	-0.1000	GY	0.00	2.00
392	-0.1000	GY	0.00	2.00
27	-0.2000	GY	0.00	6.00
29	-0.2000	GY	0.00	3.00
30	-0.2000	GY	0.00	6.00
31	-0.2000	GY	0.00	6.00
32	-0.2000	GY	0.00	6.00
33	-0.2000	GY	0.00	6.00
34	-0.2000	GY	0.00	6.00
53	-0.2000	GY	0.00	6.00
54	-0.2000	GY	0.00	6.00
55	-0.2000	GY	0.00	6.00
56	-0.2000	GY	0.00	6.00
57	-0.2000	GY	0.00	6.00
58	-0.2000	GY	0.00	6.00
59	-0.2000	GY	0.00	6.00
69	-0.2000	GY	0.00	6.00
70	-0.2000	GY	0.00	6.00
71	-0.2000	GY	0.00	6.00
72	-0.2000	GY	0.00	6.00
73	-0.2000	GY	0.00	6.00
74	-0.2000	GY	0.00	6.00
75	-0.2000	GY	0.00	6.00
77	-0.2000	GY	0.00	3.00
82	-0.2000	GY	0.00	3.00
119	-0.2000	GY	0.00	6.00
121	-0.2000	GY	0.00	6.00
122	-0.2000	GY	0.00	6.00
123	-0.2000	GY	0.00	6.00
124	-0.2000	GY	0.00	6.00
125	-0.2000	GY	0.00	6.00
126	-0.2000	GY	0.00	6.00
129	-0.2000	GY	0.00	6.00
132	-0.2000	GY	0.00	6.00
141	-0.2000	GY	0.00	6.00
142	-0.2000	GY	0.00	6.00
143	-0.2000	GY	0.00	6.00
144	-0.2000	GY	0.00	6.00
145	-0.2000	GY	0.00	6.00
154	-0.2000	GY	0.00	6.00
155	-0.2000	GY	0.00	6.00
156	-0.2000	GY	0.00	6.00
157	-0.2000	GY	0.00	6.00
158	-0.2000	GY	0.00	6.00
168	-0.2000	GY	0.00	6.00
169	-0.2000	GY	0.00	6.00

STAAD SPACE

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170	-0.2000	GY	0.00	6.00
171	-0.2000	GY	0.00	6.00
172	-0.2000	GY	0.00	6.00
173	-0.2000	GY	0.00	6.00
174	-0.2000	GY	0.00	6.00
175	-0.2000	GY	0.00	6.00
185	-0.2000	GY	0.00	6.00
186	-0.2000	GY	0.00	6.00
187	-0.2000	GY	0.00	6.00
188	-0.2000	GY	0.00	6.00
189	-0.2000	GY	0.00	6.00
190	-0.2000	GY	0.00	6.00
191	-0.2000	GY	0.00	6.00
192	-0.2000	GY	0.00	6.00
193	-0.2000	GY	0.00	6.00
194	-0.2000	GY	0.00	6.00
377	-0.2000	GY	0.00	2.00
379	-0.2000	GY	0.00	2.00
390	-0.2000	GY	0.00	2.00
391	-0.2000	GY	0.00	2.00
204	-0.0150	GY	0.00	6.00
205	-0.0150	GY	0.00	6.00
206	-0.0150	GY	0.00	6.00
207	-0.0150	GY	0.00	6.00
208	-0.0150	GY	0.00	6.00
217	-0.0150	GY	0.00	4.50
218	-0.0150	GY	0.00	6.00
265	-0.0150	GY	0.00	6.00
267	-0.0150	GY	0.00	6.00
268	-0.0150	GY	0.00	6.00
269	-0.0150	GY	0.00	6.00
270	-0.0150	GY	0.00	6.00
354	-0.0150	GY	0.00	4.50
219	-0.0300	GY	0.00	6.00
220	-0.0300	GY	0.00	6.00
221	-0.0300	GY	0.00	6.00
222	-0.0300	GY	0.00	6.00
238	-0.0300	GY	0.00	6.00
239	-0.0300	GY	0.00	6.00
240	-0.0300	GY	0.00	6.00
241	-0.0300	GY	0.00	6.00
251	-0.0300	GY	0.00	6.00
252	-0.0300	GY	0.00	6.00
253	-0.0300	GY	0.00	6.00
254	-0.0300	GY	0.00	6.00
289	-0.0300	GY	0.00	6.00
291	-0.0300	GY	0.00	6.00
292	-0.0300	GY	0.00	6.00
293	-0.0300	GY	0.00	6.00
294	-0.0300	GY	0.00	6.00
304	-0.0300	GY	0.00	6.00
306	-0.0300	GY	0.00	6.00
307	-0.0300	GY	0.00	6.00
308	-0.0300	GY	0.00	6.00
309	-0.0300	GY	0.00	6.00
319	-0.0300	GY	0.00	6.00

STAAD SPACE

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320	-0.0300	GY	0.00	6.00
321	-0.0300	GY	0.00	6.00
322	-0.0300	GY	0.00	6.00
323	-0.0300	GY	0.00	6.00
333	-0.0300	GY	0.00	6.00
334	-0.0300	GY	0.00	6.00
335	-0.0300	GY	0.00	6.00
336	-0.0300	GY	0.00	6.00
337	-0.0300	GY	0.00	6.00
347	-0.0300	GY	0.00	6.00
348	-0.0300	GY	0.00	6.00
349	-0.0300	GY	0.00	6.00
350	-0.0300	GY	0.00	6.00
351	-0.0300	GY	0.00	6.00
353	-0.0300	GY	0.00	6.00
395	-0.0300	GY	0.00	1.50
396	-0.0300	GY	0.00	1.50
399	-0.0300	GY	0.00	6.00
402	-0.0300	GY	0.00	6.00
405	-0.0300	GY	0.00	1.50

LOADING 6 LOADTYPE DEAD TITLE EQUIPOS

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
253				-0.2500 GY	2.30		
253				-0.2500 GY	5.40		
220				-0.4700 GY	2.30		
220				-0.4700 GY	5.40		

LOADING 7 LOADTYPE DEAD TITLE ARRIATE

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
371	-1.8000	GY	0.00	2.00			
372	-1.8000	GY	0.00	2.00			
371				-0.7500 GY	1.00		
372				-0.7500 GY	1.00		

LOADING 8 LOADTYPE SEISMIC TITLE SISMO EN X

SELFWEIGHT X 1.000

ACTUAL WEIGHT OF THE STRUCTURE = 91.538 MTON

SELFWEIGHT Y 1.000

ACTUAL WEIGHT OF THE STRUCTURE = 91.538 MTON

SELFWEIGHT Z 1.000

ACTUAL WEIGHT OF THE STRUCTURE = 91.538 MTON

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
10	0.4000 GX	0.00	6.00				
11	0.4000 GX	0.00	6.00				
13	0.4000 GX	0.00	6.00				
14	0.4000 GX	0.00	6.00				
15	0.4000 GX	0.00	6.00				
16	0.4000 GX	0.00	6.00				
17	0.4000 GX	0.00	6.00				
28	0.4000 GX	0.00	0.25				
81	0.4000 GX	0.00	3.00				
83	0.4000 GX	0.00	3.00				
102	0.4000 GX	0.00	6.00				
103	0.4000 GX	0.00	6.00				
104	0.4000 GX	0.00	6.00				
105	0.4000 GX	0.00	6.00				
106	0.4000 GX	0.00	6.00				
107	0.4000 GX	0.00	6.00				
108	0.4000 GX	0.00	6.00				
109	0.4000 GX	0.00	6.00				
120	0.4000 GX	0.00	0.25				
140	0.4000 GX	0.00	0.25				
153	0.4000 GX	0.00	0.25				
368	0.4000 GX	0.00	1.75				
370	0.4000 GX	0.00	1.75				
371	0.4000 GX	0.00	2.00				
372	0.4000 GX	0.00	2.00				
373	0.4000 GX	0.00	1.75				
374	0.4000 GX	0.00	1.75				
375	0.4000 GX	0.00	2.00				
376	0.4000 GX	0.00	2.00				
378	0.4000 GX	0.00	1.75				
380	0.4000 GX	0.00	0.25				
381	0.4000 GX	0.00	0.25				
382	0.4000 GX	0.00	2.00				
383	0.4000 GX	0.00	2.00				
384	0.4000 GX	0.00	1.75				
385	0.4000 GX	0.00	1.75				
386	0.4000 GX	0.00	1.75				
387	0.4000 GX	0.00	0.25				
388	0.4000 GX	0.00	0.25				
389	0.4000 GX	0.00	2.00				
392	0.4000 GX	0.00	2.00				
27	0.8000 GX	0.00	6.00				

STAAD SPACE

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29	0.8000	GX	0.00	3.00
30	0.8000	GX	0.00	6.00
31	0.8000	GX	0.00	6.00
32	0.8000	GX	0.00	6.00
33	0.8000	GX	0.00	6.00
34	0.8000	GX	0.00	6.00
53	0.8000	GX	0.00	6.00
54	0.8000	GX	0.00	6.00
55	0.8000	GX	0.00	6.00
56	0.8000	GX	0.00	6.00
57	0.8000	GX	0.00	6.00
58	0.8000	GX	0.00	6.00
59	0.8000	GX	0.00	6.00
69	0.8000	GX	0.00	6.00
70	0.8000	GX	0.00	6.00
71	0.8000	GX	0.00	6.00
72	0.8000	GX	0.00	6.00
73	0.8000	GX	0.00	6.00
74	0.8000	GX	0.00	6.00
75	0.8000	GX	0.00	6.00
77	0.8000	GX	0.00	3.00
82	0.8000	GX	0.00	3.00
119	0.8000	GX	0.00	6.00
121	0.8000	GX	0.00	6.00
122	0.8000	GX	0.00	6.00
123	0.8000	GX	0.00	6.00
124	0.8000	GX	0.00	6.00
125	0.8000	GX	0.00	6.00
126	0.8000	GX	0.00	6.00
129	0.8000	GX	0.00	6.00
132	0.8000	GX	0.00	6.00
141	0.8000	GX	0.00	6.00
142	0.8000	GX	0.00	6.00
143	0.8000	GX	0.00	6.00
144	0.8000	GX	0.00	6.00
145	0.8000	GX	0.00	6.00
154	0.8000	GX	0.00	6.00
155	0.8000	GX	0.00	6.00
156	0.8000	GX	0.00	6.00
157	0.8000	GX	0.00	6.00
158	0.8000	GX	0.00	6.00
168	0.8000	GX	0.00	6.00
169	0.8000	GX	0.00	6.00
170	0.8000	GX	0.00	6.00
171	0.8000	GX	0.00	6.00
172	0.8000	GX	0.00	6.00
173	0.8000	GX	0.00	6.00
174	0.8000	GX	0.00	6.00
175	0.8000	GX	0.00	6.00
185	0.8000	GX	0.00	6.00
186	0.8000	GX	0.00	6.00
187	0.8000	GX	0.00	6.00
188	0.8000	GX	0.00	6.00
189	0.8000	GX	0.00	6.00
190	0.8000	GX	0.00	6.00
191	0.8000	GX	0.00	6.00

STAAD SPACE

-- PAGE NO. 24

192	0.8000	GX	0.00	6.00
193	0.8000	GX	0.00	6.00
194	0.8000	GX	0.00	6.00
377	0.8000	GX	0.00	2.00
379	0.8000	GX	0.00	2.00
390	0.8000	GX	0.00	2.00
391	0.8000	GX	0.00	2.00
204	0.4700	GX	0.00	6.00
205	0.4700	GX	0.00	6.00
206	0.4700	GX	0.00	6.00
207	0.4700	GX	0.00	6.00
208	0.4700	GX	0.00	6.00
217	0.4700	GX	0.00	4.50
218	0.4700	GX	0.00	6.00
265	0.4700	GX	0.00	6.00
267	0.4700	GX	0.00	6.00
268	0.4700	GX	0.00	6.00
269	0.4700	GX	0.00	6.00
270	0.4700	GX	0.00	6.00
354	0.4700	GX	0.00	4.50
219	0.9400	GX	0.00	6.00
220	0.9400	GX	0.00	6.00
221	0.9400	GX	0.00	6.00
222	0.9400	GX	0.00	6.00
238	0.9400	GX	0.00	6.00
239	0.9400	GX	0.00	6.00
240	0.9400	GX	0.00	6.00
241	0.9400	GX	0.00	6.00
251	0.9400	GX	0.00	6.00
252	0.9400	GX	0.00	6.00
253	0.9400	GX	0.00	6.00
254	0.9400	GX	0.00	6.00
289	0.9400	GX	0.00	6.00
291	0.9400	GX	0.00	6.00
292	0.9400	GX	0.00	6.00
293	0.9400	GX	0.00	6.00
294	0.9400	GX	0.00	6.00
304	0.9400	GX	0.00	6.00
306	0.9400	GX	0.00	6.00
307	0.9400	GX	0.00	6.00
308	0.9400	GX	0.00	6.00
309	0.9400	GX	0.00	6.00
319	0.9400	GX	0.00	6.00
320	0.9400	GX	0.00	6.00
321	0.9400	GX	0.00	6.00
322	0.9400	GX	0.00	6.00
323	0.9400	GX	0.00	6.00
333	0.9400	GX	0.00	6.00
334	0.9400	GX	0.00	6.00
335	0.9400	GX	0.00	6.00
336	0.9400	GX	0.00	6.00
337	0.9400	GX	0.00	6.00
347	0.9400	GX	0.00	6.00
348	0.9400	GX	0.00	6.00
349	0.9400	GX	0.00	6.00
350	0.9400	GX	0.00	6.00

STAAD SPACE

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351	0.9400	GX	0.00	6.00
353	0.9400	GX	0.00	6.00
395	0.9400	GX	0.00	1.50
396	0.9400	GX	0.00	1.50
399	0.9400	GX	0.00	6.00
402	0.9400	GX	0.00	6.00
405	0.9400	GX	0.00	1.50

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL		L1	L2	CON	L	LIN1	LIN2
10	0.4000	GY	0.00	6.00				
11	0.4000	GY	0.00	6.00				
13	0.4000	GY	0.00	6.00				
14	0.4000	GY	0.00	6.00				
15	0.4000	GY	0.00	6.00				
16	0.4000	GY	0.00	6.00				
17	0.4000	GY	0.00	6.00				
28	0.4000	GY	0.00	0.25				
81	0.4000	GY	0.00	3.00				
83	0.4000	GY	0.00	3.00				
102	0.4000	GY	0.00	6.00				
103	0.4000	GY	0.00	6.00				
104	0.4000	GY	0.00	6.00				
105	0.4000	GY	0.00	6.00				
106	0.4000	GY	0.00	6.00				
107	0.4000	GY	0.00	6.00				
108	0.4000	GY	0.00	6.00				
109	0.4000	GY	0.00	6.00				
120	0.4000	GY	0.00	0.25				
140	0.4000	GY	0.00	0.25				
153	0.4000	GY	0.00	0.25				
368	0.4000	GY	0.00	1.75				
370	0.4000	GY	0.00	1.75				
371	0.4000	GY	0.00	2.00				
372	0.4000	GY	0.00	2.00				
373	0.4000	GY	0.00	1.75				
374	0.4000	GY	0.00	1.75				
375	0.4000	GY	0.00	2.00				
376	0.4000	GY	0.00	2.00				
378	0.4000	GY	0.00	1.75				
380	0.4000	GY	0.00	0.25				
381	0.4000	GY	0.00	0.25				
382	0.4000	GY	0.00	2.00				
383	0.4000	GY	0.00	2.00				
384	0.4000	GY	0.00	1.75				
385	0.4000	GY	0.00	1.75				
386	0.4000	GY	0.00	1.75				
387	0.4000	GY	0.00	0.25				
388	0.4000	GY	0.00	0.25				
389	0.4000	GY	0.00	2.00				
392	0.4000	GY	0.00	2.00				
27	0.8000	GY	0.00	6.00				
29	0.8000	GY	0.00	3.00				

STAAD SPACE

-- PAGE NO. 26

30	0.8000	GY	0.00	6.00
31	0.8000	GY	0.00	6.00
32	0.8000	GY	0.00	6.00
33	0.8000	GY	0.00	6.00
34	0.8000	GY	0.00	6.00
53	0.8000	GY	0.00	6.00
54	0.8000	GY	0.00	6.00
55	0.8000	GY	0.00	6.00
56	0.8000	GY	0.00	6.00
57	0.8000	GY	0.00	6.00
58	0.8000	GY	0.00	6.00
59	0.8000	GY	0.00	6.00
69	0.8000	GY	0.00	6.00
70	0.8000	GY	0.00	6.00
71	0.8000	GY	0.00	6.00
72	0.8000	GY	0.00	6.00
73	0.8000	GY	0.00	6.00
74	0.8000	GY	0.00	6.00
75	0.8000	GY	0.00	6.00
77	0.8000	GY	0.00	3.00
82	0.8000	GY	0.00	3.00
119	0.8000	GY	0.00	6.00
121	0.8000	GY	0.00	6.00
122	0.8000	GY	0.00	6.00
123	0.8000	GY	0.00	6.00
124	0.8000	GY	0.00	6.00
125	0.8000	GY	0.00	6.00
126	0.8000	GY	0.00	6.00
129	0.8000	GY	0.00	6.00
132	0.8000	GY	0.00	6.00
141	0.8000	GY	0.00	6.00
142	0.8000	GY	0.00	6.00
143	0.8000	GY	0.00	6.00
144	0.8000	GY	0.00	6.00
145	0.8000	GY	0.00	6.00
154	0.8000	GY	0.00	6.00
155	0.8000	GY	0.00	6.00
156	0.8000	GY	0.00	6.00
157	0.8000	GY	0.00	6.00
158	0.8000	GY	0.00	6.00
168	0.8000	GY	0.00	6.00
169	0.8000	GY	0.00	6.00
170	0.8000	GY	0.00	6.00
171	0.8000	GY	0.00	6.00
172	0.8000	GY	0.00	6.00
173	0.8000	GY	0.00	6.00
174	0.8000	GY	0.00	6.00
175	0.8000	GY	0.00	6.00
185	0.8000	GY	0.00	6.00
186	0.8000	GY	0.00	6.00
187	0.8000	GY	0.00	6.00
188	0.8000	GY	0.00	6.00
189	0.8000	GY	0.00	6.00
190	0.8000	GY	0.00	6.00
191	0.8000	GY	0.00	6.00
192	0.8000	GY	0.00	6.00

STAAD SPACE

-- PAGE NO. 27

193	0.8000	GY	0.00	6.00
194	0.8000	GY	0.00	6.00
377	0.8000	GY	0.00	2.00
379	0.8000	GY	0.00	2.00
390	0.8000	GY	0.00	2.00
391	0.8000	GY	0.00	2.00
204	0.4700	GY	0.00	6.00
205	0.4700	GY	0.00	6.00
206	0.4700	GY	0.00	6.00
207	0.4700	GY	0.00	6.00
208	0.4700	GY	0.00	6.00
217	0.4700	GY	0.00	4.50
218	0.4700	GY	0.00	6.00
265	0.4700	GY	0.00	6.00
267	0.4700	GY	0.00	6.00
268	0.4700	GY	0.00	6.00
269	0.4700	GY	0.00	6.00
270	0.4700	GY	0.00	6.00
354	0.4700	GY	0.00	4.50
219	0.9400	GY	0.00	6.00
220	0.9400	GY	0.00	6.00
221	0.9400	GY	0.00	6.00
222	0.9400	GY	0.00	6.00
238	0.9400	GY	0.00	6.00
239	0.9400	GY	0.00	6.00
240	0.9400	GY	0.00	6.00
241	0.9400	GY	0.00	6.00
251	0.9400	GY	0.00	6.00
252	0.9400	GY	0.00	6.00
253	0.9400	GY	0.00	6.00
254	0.9400	GY	0.00	6.00
289	0.9400	GY	0.00	6.00
291	0.9400	GY	0.00	6.00
292	0.9400	GY	0.00	6.00
293	0.9400	GY	0.00	6.00
294	0.9400	GY	0.00	6.00
304	0.9400	GY	0.00	6.00
306	0.9400	GY	0.00	6.00
307	0.9400	GY	0.00	6.00
308	0.9400	GY	0.00	6.00
309	0.9400	GY	0.00	6.00
319	0.9400	GY	0.00	6.00
320	0.9400	GY	0.00	6.00
321	0.9400	GY	0.00	6.00
322	0.9400	GY	0.00	6.00
323	0.9400	GY	0.00	6.00
333	0.9400	GY	0.00	6.00
334	0.9400	GY	0.00	6.00
335	0.9400	GY	0.00	6.00
336	0.9400	GY	0.00	6.00
337	0.9400	GY	0.00	6.00
347	0.9400	GY	0.00	6.00
348	0.9400	GY	0.00	6.00
349	0.9400	GY	0.00	6.00
350	0.9400	GY	0.00	6.00
351	0.9400	GY	0.00	6.00

STAAD SPACE

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353	0.9400	GY	0.00	6.00
395	0.9400	GY	0.00	1.50
396	0.9400	GY	0.00	1.50
399	0.9400	GY	0.00	6.00
402	0.9400	GY	0.00	6.00
405	0.9400	GY	0.00	1.50

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL		L1	L2	CON	L	LIN1	LIN2
10	0.4000	GZ	0.00	6.00				
11	0.4000	GZ	0.00	6.00				
13	0.4000	GZ	0.00	6.00				
14	0.4000	GZ	0.00	6.00				
15	0.4000	GZ	0.00	6.00				
16	0.4000	GZ	0.00	6.00				
17	0.4000	GZ	0.00	6.00				
28	0.4000	GZ	0.00	0.25				
81	0.4000	GZ	0.00	3.00				
83	0.4000	GZ	0.00	3.00				
102	0.4000	GZ	0.00	6.00				
103	0.4000	GZ	0.00	6.00				
104	0.4000	GZ	0.00	6.00				
105	0.4000	GZ	0.00	6.00				
106	0.4000	GZ	0.00	6.00				
107	0.4000	GZ	0.00	6.00				
108	0.4000	GZ	0.00	6.00				
109	0.4000	GZ	0.00	6.00				
120	0.4000	GZ	0.00	0.25				
140	0.4000	GZ	0.00	0.25				
153	0.4000	GZ	0.00	0.25				
368	0.4000	GZ	0.00	1.75				
370	0.4000	GZ	0.00	1.75				
371	0.4000	GZ	0.00	2.00				
372	0.4000	GZ	0.00	2.00				
373	0.4000	GZ	0.00	1.75				
374	0.4000	GZ	0.00	1.75				
375	0.4000	GZ	0.00	2.00				
376	0.4000	GZ	0.00	2.00				
378	0.4000	GZ	0.00	1.75				
380	0.4000	GZ	0.00	0.25				
381	0.4000	GZ	0.00	0.25				
382	0.4000	GZ	0.00	2.00				
383	0.4000	GZ	0.00	2.00				
384	0.4000	GZ	0.00	1.75				
385	0.4000	GZ	0.00	1.75				
386	0.4000	GZ	0.00	1.75				
387	0.4000	GZ	0.00	0.25				
388	0.4000	GZ	0.00	0.25				
389	0.4000	GZ	0.00	2.00				
392	0.4000	GZ	0.00	2.00				
27	0.8000	GZ	0.00	6.00				
29	0.8000	GZ	0.00	3.00				
30	0.8000	GZ	0.00	6.00				

STAAD SPACE

-- PAGE NO. 29

31	0.8000	GZ	0.00	6.00
32	0.8000	GZ	0.00	6.00
33	0.8000	GZ	0.00	6.00
34	0.8000	GZ	0.00	6.00
53	0.8000	GZ	0.00	6.00
54	0.8000	GZ	0.00	6.00
55	0.8000	GZ	0.00	6.00
56	0.8000	GZ	0.00	6.00
57	0.8000	GZ	0.00	6.00
58	0.8000	GZ	0.00	6.00
59	0.8000	GZ	0.00	6.00
69	0.8000	GZ	0.00	6.00
70	0.8000	GZ	0.00	6.00
71	0.8000	GZ	0.00	6.00
72	0.8000	GZ	0.00	6.00
73	0.8000	GZ	0.00	6.00
74	0.8000	GZ	0.00	6.00
75	0.8000	GZ	0.00	6.00
77	0.8000	GZ	0.00	3.00
82	0.8000	GZ	0.00	3.00
119	0.8000	GZ	0.00	6.00
121	0.8000	GZ	0.00	6.00
122	0.8000	GZ	0.00	6.00
123	0.8000	GZ	0.00	6.00
124	0.8000	GZ	0.00	6.00
125	0.8000	GZ	0.00	6.00
126	0.8000	GZ	0.00	6.00
129	0.8000	GZ	0.00	6.00
132	0.8000	GZ	0.00	6.00
141	0.8000	GZ	0.00	6.00
142	0.8000	GZ	0.00	6.00
143	0.8000	GZ	0.00	6.00
144	0.8000	GZ	0.00	6.00
145	0.8000	GZ	0.00	6.00
154	0.8000	GZ	0.00	6.00
155	0.8000	GZ	0.00	6.00
156	0.8000	GZ	0.00	6.00
157	0.8000	GZ	0.00	6.00
158	0.8000	GZ	0.00	6.00
168	0.8000	GZ	0.00	6.00
169	0.8000	GZ	0.00	6.00
170	0.8000	GZ	0.00	6.00
171	0.8000	GZ	0.00	6.00
172	0.8000	GZ	0.00	6.00
173	0.8000	GZ	0.00	6.00
174	0.8000	GZ	0.00	6.00
175	0.8000	GZ	0.00	6.00
185	0.8000	GZ	0.00	6.00
186	0.8000	GZ	0.00	6.00
187	0.8000	GZ	0.00	6.00
188	0.8000	GZ	0.00	6.00
189	0.8000	GZ	0.00	6.00
190	0.8000	GZ	0.00	6.00
191	0.8000	GZ	0.00	6.00
192	0.8000	GZ	0.00	6.00
193	0.8000	GZ	0.00	6.00

STAAD SPACE

-- PAGE NO. 30

194	0.8000	GZ	0.00	6.00
377	0.8000	GZ	0.00	2.00
379	0.8000	GZ	0.00	2.00
390	0.8000	GZ	0.00	2.00
391	0.8000	GZ	0.00	2.00
204	0.4700	GZ	0.00	6.00
205	0.4700	GZ	0.00	6.00
206	0.4700	GZ	0.00	6.00
207	0.4700	GZ	0.00	6.00
208	0.4700	GZ	0.00	6.00
217	0.4700	GZ	0.00	4.50
218	0.4700	GZ	0.00	6.00
265	0.4700	GZ	0.00	6.00
267	0.4700	GZ	0.00	6.00
268	0.4700	GZ	0.00	6.00
269	0.4700	GZ	0.00	6.00
270	0.4700	GZ	0.00	6.00
354	0.4700	GZ	0.00	4.50
219	0.9400	GZ	0.00	6.00
220	0.9400	GZ	0.00	6.00
221	0.9400	GZ	0.00	6.00
222	0.9400	GZ	0.00	6.00
238	0.9400	GZ	0.00	6.00
239	0.9400	GZ	0.00	6.00
240	0.9400	GZ	0.00	6.00
241	0.9400	GZ	0.00	6.00
251	0.9400	GZ	0.00	6.00
252	0.9400	GZ	0.00	6.00
253	0.9400	GZ	0.00	6.00
254	0.9400	GZ	0.00	6.00
289	0.9400	GZ	0.00	6.00
291	0.9400	GZ	0.00	6.00
292	0.9400	GZ	0.00	6.00
293	0.9400	GZ	0.00	6.00
294	0.9400	GZ	0.00	6.00
304	0.9400	GZ	0.00	6.00
306	0.9400	GZ	0.00	6.00
307	0.9400	GZ	0.00	6.00
308	0.9400	GZ	0.00	6.00
309	0.9400	GZ	0.00	6.00
319	0.9400	GZ	0.00	6.00
320	0.9400	GZ	0.00	6.00
321	0.9400	GZ	0.00	6.00
322	0.9400	GZ	0.00	6.00
323	0.9400	GZ	0.00	6.00
333	0.9400	GZ	0.00	6.00
334	0.9400	GZ	0.00	6.00
335	0.9400	GZ	0.00	6.00
336	0.9400	GZ	0.00	6.00
337	0.9400	GZ	0.00	6.00
347	0.9400	GZ	0.00	6.00
348	0.9400	GZ	0.00	6.00
349	0.9400	GZ	0.00	6.00
350	0.9400	GZ	0.00	6.00
351	0.9400	GZ	0.00	6.00
353	0.9400	GZ	0.00	6.00

STAAD SPACE

-- PAGE NO. 31

395	0.9400	GZ	0.00	1.50
396	0.9400	GZ	0.00	1.50
399	0.9400	GZ	0.00	6.00
402	0.9400	GZ	0.00	6.00
405	0.9400	GZ	0.00	1.50

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL		L1	L2	CON	L	LIN1	LIN2
10	0.1800	GX	0.00	6.00				
11	0.1800	GX	0.00	6.00				
13	0.1800	GX	0.00	6.00				
14	0.1800	GX	0.00	6.00				
15	0.1800	GX	0.00	6.00				
16	0.1800	GX	0.00	6.00				
17	0.1800	GX	0.00	6.00				
28	0.1800	GX	0.00	0.25				
81	0.1800	GX	0.00	3.00				
83	0.1800	GX	0.00	3.00				
102	0.1800	GX	0.00	6.00				
103	0.1800	GX	0.00	6.00				
104	0.1800	GX	0.00	6.00				
105	0.1800	GX	0.00	6.00				
106	0.1800	GX	0.00	6.00				
107	0.1800	GX	0.00	6.00				
108	0.1800	GX	0.00	6.00				
109	0.1800	GX	0.00	6.00				
120	0.1800	GX	0.00	0.25				
140	0.1800	GX	0.00	0.25				
153	0.1800	GX	0.00	0.25				
368	0.1800	GX	0.00	1.75				
370	0.1800	GX	0.00	1.75				
371	0.1800	GX	0.00	2.00				
372	0.1800	GX	0.00	2.00				
373	0.1800	GX	0.00	1.75				
374	0.1800	GX	0.00	1.75				
375	0.1800	GX	0.00	2.00				
376	0.1800	GX	0.00	2.00				
378	0.1800	GX	0.00	1.75				
380	0.1800	GX	0.00	0.25				
381	0.1800	GX	0.00	0.25				
382	0.1800	GX	0.00	2.00				
383	0.1800	GX	0.00	2.00				
384	0.1800	GX	0.00	1.75				
385	0.1800	GX	0.00	1.75				
386	0.1800	GX	0.00	1.75				
387	0.1800	GX	0.00	0.25				
388	0.1800	GX	0.00	0.25				
389	0.1800	GX	0.00	2.00				
392	0.1800	GX	0.00	2.00				
27	0.3600	GX	0.00	6.00				
29	0.3600	GX	0.00	3.00				
30	0.3600	GX	0.00	6.00				
31	0.3600	GX	0.00	6.00				

STAAD SPACE

-- PAGE NO. 32

32	0.3600	GX	0.00	6.00
33	0.3600	GX	0.00	6.00
34	0.3600	GX	0.00	6.00
53	0.3600	GX	0.00	6.00
54	0.3600	GX	0.00	6.00
55	0.3600	GX	0.00	6.00
56	0.3600	GX	0.00	6.00
57	0.3600	GX	0.00	6.00
58	0.3600	GX	0.00	6.00
59	0.3600	GX	0.00	6.00
69	0.3600	GX	0.00	6.00
70	0.3600	GX	0.00	6.00
71	0.3600	GX	0.00	6.00
72	0.3600	GX	0.00	6.00
73	0.3600	GX	0.00	6.00
74	0.3600	GX	0.00	6.00
75	0.3600	GX	0.00	6.00
77	0.3600	GX	0.00	3.00
82	0.3600	GX	0.00	3.00
119	0.3600	GX	0.00	6.00
121	0.3600	GX	0.00	6.00
122	0.3600	GX	0.00	6.00
123	0.3600	GX	0.00	6.00
124	0.3600	GX	0.00	6.00
125	0.3600	GX	0.00	6.00
126	0.3600	GX	0.00	6.00
129	0.3600	GX	0.00	6.00
132	0.3600	GX	0.00	6.00
141	0.3600	GX	0.00	6.00
142	0.3600	GX	0.00	6.00
143	0.3600	GX	0.00	6.00
144	0.3600	GX	0.00	6.00
145	0.3600	GX	0.00	6.00
154	0.3600	GX	0.00	6.00
155	0.3600	GX	0.00	6.00
156	0.3600	GX	0.00	6.00
157	0.3600	GX	0.00	6.00
158	0.3600	GX	0.00	6.00
168	0.3600	GX	0.00	6.00
169	0.3600	GX	0.00	6.00
170	0.3600	GX	0.00	6.00
171	0.3600	GX	0.00	6.00
172	0.3600	GX	0.00	6.00
173	0.3600	GX	0.00	6.00
174	0.3600	GX	0.00	6.00
175	0.3600	GX	0.00	6.00
185	0.3600	GX	0.00	6.00
186	0.3600	GX	0.00	6.00
187	0.3600	GX	0.00	6.00
188	0.3600	GX	0.00	6.00
189	0.3600	GX	0.00	6.00
190	0.3600	GX	0.00	6.00
191	0.3600	GX	0.00	6.00
192	0.3600	GX	0.00	6.00
193	0.3600	GX	0.00	6.00
194	0.3600	GX	0.00	6.00

STAAD SPACE

-- PAGE NO. 33

377	0.3600	GX	0.00	2.00
379	0.3600	GX	0.00	2.00
390	0.3600	GX	0.00	2.00
391	0.3600	GX	0.00	2.00
204	0.0700	GX	0.00	6.00
205	0.0700	GX	0.00	6.00
206	0.0700	GX	0.00	6.00
207	0.0700	GX	0.00	6.00
208	0.0700	GX	0.00	6.00
217	0.0700	GX	0.00	4.50
218	0.0700	GX	0.00	6.00
265	0.0700	GX	0.00	6.00
267	0.0700	GX	0.00	6.00
268	0.0700	GX	0.00	6.00
269	0.0700	GX	0.00	6.00
270	0.0700	GX	0.00	6.00
354	0.0700	GX	0.00	4.50
219	0.1400	GX	0.00	6.00
220	0.1400	GX	0.00	6.00
221	0.1400	GX	0.00	6.00
222	0.1400	GX	0.00	6.00
238	0.1400	GX	0.00	6.00
239	0.1400	GX	0.00	6.00
240	0.1400	GX	0.00	6.00
241	0.1400	GX	0.00	6.00
251	0.1400	GX	0.00	6.00
252	0.1400	GX	0.00	6.00
253	0.1400	GX	0.00	6.00
254	0.1400	GX	0.00	6.00
289	0.1400	GX	0.00	6.00
291	0.1400	GX	0.00	6.00
292	0.1400	GX	0.00	6.00
293	0.1400	GX	0.00	6.00
294	0.1400	GX	0.00	6.00
304	0.1400	GX	0.00	6.00
306	0.1400	GX	0.00	6.00
307	0.1400	GX	0.00	6.00
308	0.1400	GX	0.00	6.00
309	0.1400	GX	0.00	6.00
319	0.1400	GX	0.00	6.00
320	0.1400	GX	0.00	6.00
321	0.1400	GX	0.00	6.00
322	0.1400	GX	0.00	6.00
323	0.1400	GX	0.00	6.00
333	0.1400	GX	0.00	6.00
334	0.1400	GX	0.00	6.00
335	0.1400	GX	0.00	6.00
336	0.1400	GX	0.00	6.00
337	0.1400	GX	0.00	6.00
347	0.1400	GX	0.00	6.00
348	0.1400	GX	0.00	6.00
349	0.1400	GX	0.00	6.00
350	0.1400	GX	0.00	6.00
351	0.1400	GX	0.00	6.00
353	0.1400	GX	0.00	6.00
395	0.1400	GX	0.00	1.50

STAAD SPACE

-- PAGE NO. 34

396	0.1400	GX	0.00	1.50
399	0.1400	GX	0.00	6.00
402	0.1400	GX	0.00	6.00
405	0.1400	GX	0.00	1.50

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
10	0.1800	GY	0.00	6.00			
11	0.1800	GY	0.00	6.00			
13	0.1800	GY	0.00	6.00			
14	0.1800	GY	0.00	6.00			
15	0.1800	GY	0.00	6.00			
16	0.1800	GY	0.00	6.00			
17	0.1800	GY	0.00	6.00			
28	0.1800	GY	0.00	0.25			
81	0.1800	GY	0.00	3.00			
83	0.1800	GY	0.00	3.00			
102	0.1800	GY	0.00	6.00			
103	0.1800	GY	0.00	6.00			
104	0.1800	GY	0.00	6.00			
105	0.1800	GY	0.00	6.00			
106	0.1800	GY	0.00	6.00			
107	0.1800	GY	0.00	6.00			
108	0.1800	GY	0.00	6.00			
109	0.1800	GY	0.00	6.00			
120	0.1800	GY	0.00	0.25			
140	0.1800	GY	0.00	0.25			
153	0.1800	GY	0.00	0.25			
368	0.1800	GY	0.00	1.75			
370	0.1800	GY	0.00	1.75			
371	0.1800	GY	0.00	2.00			
372	0.1800	GY	0.00	2.00			
373	0.1800	GY	0.00	1.75			
374	0.1800	GY	0.00	1.75			
375	0.1800	GY	0.00	2.00			
376	0.1800	GY	0.00	2.00			
378	0.1800	GY	0.00	1.75			
380	0.1800	GY	0.00	0.25			
381	0.1800	GY	0.00	0.25			
382	0.1800	GY	0.00	2.00			
383	0.1800	GY	0.00	2.00			
384	0.1800	GY	0.00	1.75			
385	0.1800	GY	0.00	1.75			
386	0.1800	GY	0.00	1.75			
387	0.1800	GY	0.00	0.25			
388	0.1800	GY	0.00	0.25			
389	0.1800	GY	0.00	2.00			
392	0.1800	GY	0.00	2.00			
27	0.3600	GY	0.00	6.00			
29	0.3600	GY	0.00	3.00			
30	0.3600	GY	0.00	6.00			
31	0.3600	GY	0.00	6.00			
32	0.3600	GY	0.00	6.00			

STAAD SPACE

-- PAGE NO. 35

33	0.3600	GY	0.00	6.00
34	0.3600	GY	0.00	6.00
53	0.3600	GY	0.00	6.00
54	0.3600	GY	0.00	6.00
55	0.3600	GY	0.00	6.00
56	0.3600	GY	0.00	6.00
57	0.3600	GY	0.00	6.00
58	0.3600	GY	0.00	6.00
59	0.3600	GY	0.00	6.00
69	0.3600	GY	0.00	6.00
70	0.3600	GY	0.00	6.00
71	0.3600	GY	0.00	6.00
72	0.3600	GY	0.00	6.00
73	0.3600	GY	0.00	6.00
74	0.3600	GY	0.00	6.00
75	0.3600	GY	0.00	6.00
77	0.3600	GY	0.00	3.00
82	0.3600	GY	0.00	3.00
119	0.3600	GY	0.00	6.00
121	0.3600	GY	0.00	6.00
122	0.3600	GY	0.00	6.00
123	0.3600	GY	0.00	6.00
124	0.3600	GY	0.00	6.00
125	0.3600	GY	0.00	6.00
126	0.3600	GY	0.00	6.00
129	0.3600	GY	0.00	6.00
132	0.3600	GY	0.00	6.00
141	0.3600	GY	0.00	6.00
142	0.3600	GY	0.00	6.00
143	0.3600	GY	0.00	6.00
144	0.3600	GY	0.00	6.00
145	0.3600	GY	0.00	6.00
154	0.3600	GY	0.00	6.00
155	0.3600	GY	0.00	6.00
156	0.3600	GY	0.00	6.00
157	0.3600	GY	0.00	6.00
158	0.3600	GY	0.00	6.00
168	0.3600	GY	0.00	6.00
169	0.3600	GY	0.00	6.00
170	0.3600	GY	0.00	6.00
171	0.3600	GY	0.00	6.00
172	0.3600	GY	0.00	6.00
173	0.3600	GY	0.00	6.00
174	0.3600	GY	0.00	6.00
175	0.3600	GY	0.00	6.00
185	0.3600	GY	0.00	6.00
186	0.3600	GY	0.00	6.00
187	0.3600	GY	0.00	6.00
188	0.3600	GY	0.00	6.00
189	0.3600	GY	0.00	6.00
190	0.3600	GY	0.00	6.00
191	0.3600	GY	0.00	6.00
192	0.3600	GY	0.00	6.00
193	0.3600	GY	0.00	6.00
194	0.3600	GY	0.00	6.00
377	0.3600	GY	0.00	2.00

STAAD SPACE

-- PAGE NO. 36

379	0.3600	GY	0.00	2.00
390	0.3600	GY	0.00	2.00
391	0.3600	GY	0.00	2.00
204	0.0700	GY	0.00	6.00
205	0.0700	GY	0.00	6.00
206	0.0700	GY	0.00	6.00
207	0.0700	GY	0.00	6.00
208	0.0700	GY	0.00	6.00
217	0.0700	GY	0.00	4.50
218	0.0700	GY	0.00	6.00
265	0.0700	GY	0.00	6.00
267	0.0700	GY	0.00	6.00
268	0.0700	GY	0.00	6.00
269	0.0700	GY	0.00	6.00
270	0.0700	GY	0.00	6.00
354	0.0700	GY	0.00	4.50
219	0.1400	GY	0.00	6.00
220	0.1400	GY	0.00	6.00
221	0.1400	GY	0.00	6.00
222	0.1400	GY	0.00	6.00
238	0.1400	GY	0.00	6.00
239	0.1400	GY	0.00	6.00
240	0.1400	GY	0.00	6.00
241	0.1400	GY	0.00	6.00
251	0.1400	GY	0.00	6.00
252	0.1400	GY	0.00	6.00
253	0.1400	GY	0.00	6.00
254	0.1400	GY	0.00	6.00
289	0.1400	GY	0.00	6.00
291	0.1400	GY	0.00	6.00
292	0.1400	GY	0.00	6.00
293	0.1400	GY	0.00	6.00
294	0.1400	GY	0.00	6.00
304	0.1400	GY	0.00	6.00
306	0.1400	GY	0.00	6.00
307	0.1400	GY	0.00	6.00
308	0.1400	GY	0.00	6.00
309	0.1400	GY	0.00	6.00
319	0.1400	GY	0.00	6.00
320	0.1400	GY	0.00	6.00
321	0.1400	GY	0.00	6.00
322	0.1400	GY	0.00	6.00
323	0.1400	GY	0.00	6.00
333	0.1400	GY	0.00	6.00
334	0.1400	GY	0.00	6.00
335	0.1400	GY	0.00	6.00
336	0.1400	GY	0.00	6.00
337	0.1400	GY	0.00	6.00
347	0.1400	GY	0.00	6.00
348	0.1400	GY	0.00	6.00
349	0.1400	GY	0.00	6.00
350	0.1400	GY	0.00	6.00
351	0.1400	GY	0.00	6.00
353	0.1400	GY	0.00	6.00
395	0.1400	GY	0.00	1.50
396	0.1400	GY	0.00	1.50

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399	0.1400	GY	0.00	6.00
402	0.1400	GY	0.00	6.00
405	0.1400	GY	0.00	1.50

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL		L1	L2	CON	L	LIN1	LIN2
10	0.1800	GX	0.00	6.00				
11	0.1800	GX	0.00	6.00				
13	0.1800	GX	0.00	6.00				
14	0.1800	GX	0.00	6.00				
15	0.1800	GX	0.00	6.00				
16	0.1800	GX	0.00	6.00				
17	0.1800	GX	0.00	6.00				
28	0.1800	GX	0.00	0.25				
81	0.1800	GX	0.00	3.00				
83	0.1800	GX	0.00	3.00				
102	0.1800	GX	0.00	6.00				
103	0.1800	GX	0.00	6.00				
104	0.1800	GX	0.00	6.00				
105	0.1800	GX	0.00	6.00				
106	0.1800	GX	0.00	6.00				
107	0.1800	GX	0.00	6.00				
108	0.1800	GX	0.00	6.00				
109	0.1800	GX	0.00	6.00				
120	0.1800	GX	0.00	0.25				
140	0.1800	GX	0.00	0.25				
153	0.1800	GX	0.00	0.25				
368	0.1800	GX	0.00	1.75				
370	0.1800	GX	0.00	1.75				
371	0.1800	GX	0.00	2.00				
372	0.1800	GX	0.00	2.00				
373	0.1800	GX	0.00	1.75				
374	0.1800	GX	0.00	1.75				
375	0.1800	GX	0.00	2.00				
376	0.1800	GX	0.00	2.00				
378	0.1800	GX	0.00	1.75				
380	0.1800	GX	0.00	0.25				
381	0.1800	GX	0.00	0.25				
382	0.1800	GX	0.00	2.00				
383	0.1800	GX	0.00	2.00				
384	0.1800	GX	0.00	1.75				
385	0.1800	GX	0.00	1.75				
386	0.1800	GX	0.00	1.75				
387	0.1800	GX	0.00	0.25				
388	0.1800	GX	0.00	0.25				
389	0.1800	GX	0.00	2.00				
392	0.1800	GX	0.00	2.00				
27	0.3600	GX	0.00	6.00				
29	0.3600	GX	0.00	3.00				
30	0.3600	GX	0.00	6.00				
31	0.3600	GX	0.00	6.00				
32	0.3600	GX	0.00	6.00				
33	0.3600	GX	0.00	6.00				

STAAD SPACE

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34	0.3600	GX	0.00	6.00
53	0.3600	GX	0.00	6.00
54	0.3600	GX	0.00	6.00
55	0.3600	GX	0.00	6.00
56	0.3600	GX	0.00	6.00
57	0.3600	GX	0.00	6.00
58	0.3600	GX	0.00	6.00
59	0.3600	GX	0.00	6.00
69	0.3600	GX	0.00	6.00
70	0.3600	GX	0.00	6.00
71	0.3600	GX	0.00	6.00
72	0.3600	GX	0.00	6.00
73	0.3600	GX	0.00	6.00
74	0.3600	GX	0.00	6.00
75	0.3600	GX	0.00	6.00
77	0.3600	GX	0.00	3.00
82	0.3600	GX	0.00	3.00
119	0.3600	GX	0.00	6.00
121	0.3600	GX	0.00	6.00
122	0.3600	GX	0.00	6.00
123	0.3600	GX	0.00	6.00
124	0.3600	GX	0.00	6.00
125	0.3600	GX	0.00	6.00
126	0.3600	GX	0.00	6.00
129	0.3600	GX	0.00	6.00
132	0.3600	GX	0.00	6.00
141	0.3600	GX	0.00	6.00
142	0.3600	GX	0.00	6.00
143	0.3600	GX	0.00	6.00
144	0.3600	GX	0.00	6.00
145	0.3600	GX	0.00	6.00
154	0.3600	GX	0.00	6.00
155	0.3600	GX	0.00	6.00
156	0.3600	GX	0.00	6.00
157	0.3600	GX	0.00	6.00
158	0.3600	GX	0.00	6.00
168	0.3600	GX	0.00	6.00
169	0.3600	GX	0.00	6.00
170	0.3600	GX	0.00	6.00
171	0.3600	GX	0.00	6.00
172	0.3600	GX	0.00	6.00
173	0.3600	GX	0.00	6.00
174	0.3600	GX	0.00	6.00
175	0.3600	GX	0.00	6.00
185	0.3600	GX	0.00	6.00
186	0.3600	GX	0.00	6.00
187	0.3600	GX	0.00	6.00
188	0.3600	GX	0.00	6.00
189	0.3600	GX	0.00	6.00
190	0.3600	GX	0.00	6.00
191	0.3600	GX	0.00	6.00
192	0.3600	GX	0.00	6.00
193	0.3600	GX	0.00	6.00
194	0.3600	GX	0.00	6.00
377	0.3600	GX	0.00	2.00
379	0.3600	GX	0.00	2.00

STAAD SPACE

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390	0.3600	GX	0.00	2.00
391	0.3600	GX	0.00	2.00
204	0.0700	GX	0.00	6.00
205	0.0700	GX	0.00	6.00
206	0.0700	GX	0.00	6.00
207	0.0700	GX	0.00	6.00
208	0.0700	GX	0.00	6.00
217	0.0700	GX	0.00	4.50
218	0.0700	GX	0.00	6.00
265	0.0700	GX	0.00	6.00
267	0.0700	GX	0.00	6.00
268	0.0700	GX	0.00	6.00
269	0.0700	GX	0.00	6.00
270	0.0700	GX	0.00	6.00
354	0.0700	GX	0.00	4.50
219	0.1400	GX	0.00	6.00
220	0.1400	GX	0.00	6.00
221	0.1400	GX	0.00	6.00
222	0.1400	GX	0.00	6.00
238	0.1400	GX	0.00	6.00
239	0.1400	GX	0.00	6.00
240	0.1400	GX	0.00	6.00
241	0.1400	GX	0.00	6.00
251	0.1400	GX	0.00	6.00
252	0.1400	GX	0.00	6.00
253	0.1400	GX	0.00	6.00
254	0.1400	GX	0.00	6.00
289	0.1400	GX	0.00	6.00
291	0.1400	GX	0.00	6.00
292	0.1400	GX	0.00	6.00
293	0.1400	GX	0.00	6.00
294	0.1400	GX	0.00	6.00
304	0.1400	GX	0.00	6.00
306	0.1400	GX	0.00	6.00
307	0.1400	GX	0.00	6.00
308	0.1400	GX	0.00	6.00
309	0.1400	GX	0.00	6.00
319	0.1400	GX	0.00	6.00
320	0.1400	GX	0.00	6.00
321	0.1400	GX	0.00	6.00
322	0.1400	GX	0.00	6.00
323	0.1400	GX	0.00	6.00
333	0.1400	GX	0.00	6.00
334	0.1400	GX	0.00	6.00
335	0.1400	GX	0.00	6.00
336	0.1400	GX	0.00	6.00
337	0.1400	GX	0.00	6.00
347	0.1400	GX	0.00	6.00
348	0.1400	GX	0.00	6.00
349	0.1400	GX	0.00	6.00
350	0.1400	GX	0.00	6.00
351	0.1400	GX	0.00	6.00
353	0.1400	GX	0.00	6.00
395	0.1400	GX	0.00	1.50
396	0.1400	GX	0.00	1.50
399	0.1400	GX	0.00	6.00

STAAD SPACE

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402 0.1400 GX 0.00 6.00
 405 0.1400 GX 0.00 1.50

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
253				0.2500 GX	2.30		
253				0.2500 GX	5.40		
220				0.4700 GX	2.30		
220				0.4700 GX	5.40		

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
253				0.2500 GY	2.30		
253				0.2500 GY	5.40		
220				0.4700 GY	2.30		
220				0.4700 GY	5.40		

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
253				0.2500 GZ	2.30		
253				0.2500 GZ	5.40		
220				0.4700 GZ	2.30		
220				0.4700 GZ	5.40		

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
371	1.8000 GX	0.00	2.00				
372	1.8000 GX	0.00	2.00				
371				0.7500 GX	1.00		
372				0.7500 GX	1.00		

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
371	1.8000 GY	0.00	2.00				
372	1.8000 GY	0.00	2.00				
371				0.7500 GY	1.00		
372				0.7500 GY	1.00		

MEMBER LOAD - UNIT MTON METE

MEMBER	UDL	L1	L2	CON	L	LIN1	LIN2
371	1.8000 GZ	0.00	2.00				
372	1.8000 GZ	0.00	2.00				
371				0.7500 GZ	1.00		
372				0.7500 GZ	1.00		

RESPONSE SPECTRUM VALUES - UNITS (METE SECOND)

DIRECTIONAL VALUES: SCALE FACTOR = 9.81

X = 1.00 Y = 0.00 Z = 0.00 DAMPING FACTOR = 0.050

PERIOD VS. ACCELERATION

0.0010	0.0600
0.1000	0.0840
0.2000	0.1090
0.3000	0.1330
0.4000	0.1330
0.5000	0.1330
0.6000	0.1330
0.7000	0.1330
0.8000	0.1330
0.9000	0.1330
1.0000	0.1330
1.1000	0.1330
1.2000	0.1330
1.3000	0.1330
1.4000	0.1330
1.5000	0.1330
1.6000	0.1280
1.7000	0.1230
1.8000	0.1180
1.9000	0.1140
2.0000	0.1100
2.1000	0.1070
2.2000	0.1030
2.3000	0.1000
2.4000	0.0970
2.5000	0.0950
2.6000	0.0920
2.7000	0.0900
2.8000	0.0880
2.9000	0.0860
3.0000	0.0840
3.1000	0.0820
3.2000	0.0800
3.3000	0.0790

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3.4000	0.0770
3.5000	0.0760
3.6000	0.0740
3.7000	0.0730
3.8000	0.0720
3.9000	0.0710
4.0000	0.0690
4.1000	0.0680
4.2000	0.0670
4.3000	0.0660
4.4000	0.0650
4.5000	0.0640
4.6000	0.0630
4.7000	0.0620
4.8000	0.0610
4.9000	0.0610
5.0000	0.0600

***NOTE: MASSES DEFINED UNDER LOAD# 8 WILL FORM
THE FINAL MASS MATRIX FOR DYNAMIC ANALYSIS.

LOADING 9 LOADTYPE SEISMIC TITLE SISMO EN Z

RESPONSE SPECTRUM VALUES - UNITS (METE SECOND)

DIRECTIONAL VALUES: SCALE FACTOR = 9.81

X = 0.00 Y = 0.00 Z = 1.00 DAMPING FACTOR = 0.050

PERIOD VS. ACCELERATION

0.0010	0.0600
0.1000	0.0840
0.2000	0.1090
0.3000	0.1330
0.4000	0.1330
0.5000	0.1330
0.6000	0.1330
0.7000	0.1330
0.8000	0.1330
0.9000	0.1330
1.0000	0.1330
1.1000	0.1330
1.2000	0.1330
1.3000	0.1330
1.4000	0.1330
1.5000	0.1330
1.6000	0.1280
1.7000	0.1230
1.8000	0.1180

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1.9000	0.1140
2.0000	0.1100
2.1000	0.1070
2.2000	0.1030
2.3000	0.1000
2.4000	0.0970
2.5000	0.0950
2.6000	0.0920
2.7000	0.0900
2.8000	0.0880
2.9000	0.0860
3.0000	0.0840
3.1000	0.0820
3.2000	0.0800
3.3000	0.0790
3.4000	0.0770
3.5000	0.0760
3.6000	0.0740
3.7000	0.0730
3.8000	0.0720
3.9000	0.0710
4.0000	0.0690
4.1000	0.0680
4.2000	0.0670
4.3000	0.0660
4.4000	0.0650
4.5000	0.0640
4.6000	0.0630
4.7000	0.0620
4.8000	0.0610
4.9000	0.0610
5.0000	0.0600

LOADS APPLIED OR DISTRIBUTED HERE FROM ELEMENTS WILL BE IGNORED.
THIS MAY BE DUE TO ALL MEMBERS AT THIS JOINT BEING RELEASED OR
EFFECTIVELY RELEASED IN THIS DIRECTION.

PROBABLE CAUSE SINGULAR-ADDING WEAK SPRING

K-MATRIX DIAG= 3.5885397E+02 L-MATRIX DIAG= 5.6843419E-14 EQN NO 378

DURING DECOMPOSITION. WHEN A DECOMPOSED DIAGONAL IS LESS THAN THE
BUILT-IN REDUCTION FACTOR TIMES THE ORIGINAL STIFFNESS MATRIX DIAGONAL,
STAAD PRINTS A SINGULARITY NOTICE. THE BUILT-IN REDUCTION FACTOR
IS 1.000E-09

THE ABOVE CONDITIONS COULD ALSO BE CAUSED BY VERY STIFF OR VERY WEAK
ELEMENTS AS WELL AS TRUE SINGULARITIES.

EIGEN METHOD : SUBSPACE

NUMBER OF MODES REQUESTED = 6
NUMBER OF EXISTING MASSES IN THE MODEL = 504
NUMBER OF MODES THAT WILL BE USED = 6

CALCULATED FREQUENCIES FOR LOAD CASE 8

MODE	FREQUENCY (CYCLES/SEC)	PERIOD (SEC)	ACCURACY
1	1.138	0.87877	5.699E-15
2	1.340	0.74624	5.717E-13
3	1.570	0.63691	1.097E-09
4	2.124	0.47077	1.111E-08
5	2.244	0.44573	3.861E-09
6	2.738	0.36521	7.694E-07

The following Frequencies are estimates that were calculated. These are for information only and will not be used. Remaining values are either above the cut off mode/freq values or are of low accuracy. To use these frequencies, rerun with a higher cutoff mode (or mode + freq) value.

CALCULATED FREQUENCIES FOR LOAD CASE 8

MODE	FREQUENCY(CYCLES/SEC)	PERIOD(SEC)	ACCURACY
7	2.848	0.35117	3.199E-05

RESPONSE LOAD CASE 8

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN MTON			GENERALIZED WEIGHT
	X	Y	Z	
1	7.355336E+02	6.128507E-05	9.137356E-03	1.633571E+02
2	9.080790E+01	4.556386E-05	1.877086E-02	2.817308E+02
3	5.720332E+00	2.862869E-06	1.504723E-03	2.264052E+01
4	1.153493E+02	6.683767E-04	3.793126E+01	1.689191E+02
5	1.003480E+01	4.518393E-01	4.920454E+02	3.551677E+02
6	6.272173E+01	9.895954E-02	4.783155E-01	1.998904E+02

SRSS MODAL COMBINATION METHOD USED.

DYNAMIC WEIGHT X Y Z	1.082533E+03	8.907729E+02	6.990124E+02	MTON
MISSING WEIGHT X Y Z	-6.236567E+01	-8.902213E+02	-1.685280E+02	MTON
MODAL WEIGHT X Y Z	1.020168E+03	5.515769E-01	5.304844E+02	MTON

MODE	ACCELERATION-G	DAMPING
1	0.13305	0.05000
2	0.13305	0.05000
3	0.13305	0.05000
4	0.13305	0.05000
5	0.13305	0.05000
6	0.13305	0.05000

MODAL BASE ACTIONS FORCES IN MTON LENGTH IN METE

MOMENTS ARE ABOUT THE ORIGIN

MODE	PERIOD	FX	FY	FZ	MX	MY	MZ
1	0.879	97.86	-0.03	0.34	2.47	1042.87	-502.77
2	0.746	12.08	0.01	0.17	1.01	138.91	-0.67
3	0.637	0.76	-0.00	-0.01	-0.07	4.94	-6.94
4	0.471	15.35	-0.04	-8.80	-47.13	92.14	-79.06
5	0.446	1.34	0.28	9.35	46.30	-184.24	-0.00
6	0.365	8.34	-0.33	-0.73	0.10	143.64	-26.21

MASS PARTICIPATION FACTORS IN PERCENT

BASE SHEAR IN MTON

MODE	X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	X	Y	Z	
1	67.95	0.00	0.00	67.946	0.000	0.001	97.86	0.00	0.00	
2	8.39	0.00	0.00	76.334	0.000	0.004	12.08	0.00	0.00	
3	0.53	0.00	0.00	76.862	0.000	0.004	0.76	0.00	0.00	
4	10.66	0.00	5.43	87.518	0.000	5.431	15.35	0.00	0.00	
5	0.93	0.05	70.39	88.445	0.051	75.822	1.34	0.00	0.00	
6	5.79	0.01	0.07	94.239	0.062	75.891	8.34	0.00	0.00	
							TOTAL SRSS SHEAR	100.15	0.00	0.00
							TOTAL 10PCT SHEAR	100.35	0.00	0.00
							TOTAL ABS SHEAR	135.73	0.00	0.00

RESPONSE LOAD CASE 9

MODE	MODAL WEIGHT (MODAL MASS TIMES g) IN MTON			GENERALIZED WEIGHT
	X	Y	Z	
1	7.355336E+02	6.128507E-05	9.137356E-03	1.633571E+02
2	9.080790E+01	4.556386E-05	1.877086E-02	2.817308E+02
3	5.720332E+00	2.862869E-06	1.504723E-03	2.264052E+01
4	1.153493E+02	6.683767E-04	3.793126E+01	1.689191E+02
5	1.003480E+01	4.518393E-01	4.920454E+02	3.551677E+02
6	6.272173E+01	9.895954E-02	4.783155E-01	1.998904E+02

SRSS MODAL COMBINATION METHOD USED.
 DYNAMIC WEIGHT X Y Z 1.082533E+03 8.907729E+02 6.990124E+02 MTON
 MISSING WEIGHT X Y Z -6.236567E+01 -8.902213E+02 -1.685280E+02 MTON
 MODAL WEIGHT X Y Z 1.020168E+03 5.515769E-01 5.304844E+02 MTON

MODE	ACCELERATION-G	DAMPING
1	0.13305	0.05000
2	0.13305	0.05000
3	0.13305	0.05000
4	0.13305	0.05000
5	0.13305	0.05000
6	0.13305	0.05000

MODAL BASE ACTIONS FORCES IN MTON LENGTH IN METE

MODE	PERIOD	FX	FY	FZ	MOMENTS ARE ABOUT THE ORIGIN		
					MX	MY	MZ
1	0.879	0.34	-0.00	0.00	0.01	3.68	-1.77
2	0.746	0.17	0.00	0.00	0.01	2.00	-0.01
3	0.637	-0.01	0.00	0.00	0.00	-0.08	0.11
4	0.471	-8.80	0.02	5.05	27.03	-52.84	45.33
5	0.446	9.35	1.98	65.46	324.23	-1290.12	-0.03
6	0.365	-0.73	0.03	0.06	-0.01	-12.54	2.29

MASS PARTICIPATION FACTORS IN PERCENT							BASE SHEAR IN MTON		
MODE	X	Y	Z	SUMM-X	SUMM-Y	SUMM-Z	X	Y	Z
1	67.95	0.00	0.00	67.946	0.000	0.001	0.00	0.00	0.00
2	8.39	0.00	0.00	76.334	0.000	0.004	0.00	0.00	0.00
3	0.53	0.00	0.00	76.862	0.000	0.004	0.00	0.00	0.00
4	10.66	0.00	5.43	87.518	0.000	5.431	0.00	0.00	5.05
5	0.93	0.05	70.39	88.445	0.051	75.822	0.00	0.00	65.46
6	5.79	0.01	0.07	94.239	0.062	75.891	0.00	0.00	0.06
-----							-----		
TOTAL SRSS SHEAR							0.00	0.00	65.66
TOTAL 10PCT SHEAR							0.00	0.00	70.51
TOTAL ABS SHEAR							0.00	0.00	70.58

FOR LOADING - 1
 APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
1	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
2	0.00000E+00	-7.57689E-01	0.00000E+00	2.24051E-02	0.00000E+00	-2.01646E-01
3	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
4	0.00000E+00	-9.59334E-01	0.00000E+00	2.24051E-02	0.00000E+00	1.36245E-06
5	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
6	0.00000E+00	-8.58511E-01	0.00000E+00	2.24051E-02	0.00000E+00	1.51234E-01
7	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
8	0.00000E+00	-8.58511E-01	0.00000E+00	2.24051E-02	0.00000E+00	-1.51234E-01
9	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
10	0.00000E+00	-9.59337E-01	0.00000E+00	2.24051E-02	0.00000E+00	-6.76831E-06
11	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
12	0.00000E+00	-9.59337E-01	0.00000E+00	2.24051E-02	0.00000E+00	6.76831E-06
13	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
14	0.00000E+00	-6.77276E-01	0.00000E+00	1.06362E-02	0.00000E+00	0.00000E+00
15	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-6.98180E-01	0.00000E+00	2.24051E-02	0.00000E+00	0.00000E+00
17	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	-4.96534E-01	0.00000E+00	2.24051E-02	0.00000E+00	2.01646E-01
19	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
20	0.00000E+00	-8.66345E-01	0.00000E+00	1.38140E-02	0.00000E+00	-2.01646E-01
21	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
22	0.00000E+00	-7.96232E-01	0.00000E+00	-1.98933E-02	0.00000E+00	2.01296E-01
23	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
24	0.00000E+00	-6.78605E-01	0.00000E+00	-1.00910E-02	0.00000E+00	-5.00614E-02
25	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
26	0.00000E+00	-9.60446E-01	0.00000E+00	1.80710E-02	0.00000E+00	-1.51234E-01
27	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
28	0.00000E+00	-1.06799E+00	0.00000E+00	1.38140E-02	0.00000E+00	-6.76831E-06
29	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
30	0.00000E+00	-1.06799E+00	0.00000E+00	1.38140E-02	0.00000E+00	6.76831E-06
31	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
32	0.00000E+00	-1.06799E+00	0.00000E+00	1.38140E-02	0.00000E+00	0.00000E+00
33	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	-8.06837E-01	0.00000E+00	1.38140E-02	0.00000E+00	0.00000E+00
35	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	-6.05191E-01	0.00000E+00	1.38140E-02	0.00000E+00	2.01646E-01
37	0.00000E+00	-2.68609E-01	0.00000E+00	2.25244E-07	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.02786E-01	0.00000E+00	2.25244E-07	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.35001E-01	0.00000E+00	-1.68037E-02	0.00000E+00	0.00000E+00
40	0.00000E+00	-2.68609E-01	0.00000E+00	2.25244E-07	0.00000E+00	0.00000E+00
41	0.00000E+00	-4.02789E-01	0.00000E+00	2.25244E-07	0.00000E+00	0.00000E+00
42	0.00000E+00	-4.02789E-01	0.00000E+00	2.25244E-07	0.00000E+00	0.00000E+00
43	0.00000E+00	-3.56475E-01	0.00000E+00	2.02383E-02	0.00000E+00	0.00000E+00
44	0.00000E+00	-4.02786E-01	0.00000E+00	2.25244E-07	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.68609E-01	0.00000E+00	2.25244E-07	0.00000E+00	0.00000E+00
46	0.00000E+00	-2.68609E-01	0.00000E+00	-2.25244E-07	0.00000E+00	0.00000E+00
47	0.00000E+00	-4.02786E-01	0.00000E+00	-2.25244E-07	0.00000E+00	0.00000E+00
48	0.00000E+00	-1.84589E-01	0.00000E+00	-4.20095E-03	0.00000E+00	0.00000E+00
49	0.00000E+00	-2.08115E-01	0.00000E+00	-2.21813E-02	0.00000E+00	0.00000E+00
50	0.00000E+00	-4.02789E-01	0.00000E+00	-2.25244E-07	0.00000E+00	0.00000E+00
51	0.00000E+00	-4.02789E-01	0.00000E+00	-2.25244E-07	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.02786E-01	0.00000E+00	-2.25244E-07	0.00000E+00	0.00000E+00
53	0.00000E+00	-4.02786E-01	0.00000E+00	-2.25244E-07	0.00000E+00	0.00000E+00
54	0.00000E+00	-2.68609E-01	0.00000E+00	-2.25244E-07	0.00000E+00	0.00000E+00
55	0.00000E+00	-2.68735E-01	0.00000E+00	3.35447E-02	0.00000E+00	2.74688E-08
56	0.00000E+00	-2.35190E-01	0.00000E+00	-8.38611E-03	0.00000E+00	2.74688E-08
57	0.00000E+00	-1.61014E-01	0.00000E+00	-2.81776E-02	0.00000E+00	0.00000E+00
58	0.00000E+00	-1.07342E-01	0.00000E+00	8.05067E-03	0.00000E+00	0.00000E+00
59	0.00000E+00	-1.34304E-01	0.00000E+00	-1.12622E-07	0.00000E+00	0.00000E+00
60	0.00000E+00	-1.34304E-01	0.00000E+00	1.12025E-02	0.00000E+00	0.00000E+00
61	0.00000E+00	-1.34304E-01	0.00000E+00	1.79241E-02	0.00000E+00	0.00000E+00
62	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-7.99130E-01	0.00000E+00	-3.62187E-02	0.00000E+00	-2.01646E-01
64	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
65	0.00000E+00	-1.00077E+00	0.00000E+00	-3.62187E-02	0.00000E+00	1.36245E-06
66	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
67	0.00000E+00	-1.00077E+00	0.00000E+00	-3.62187E-02	0.00000E+00	-7.25176E-07
68	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
69	0.00000E+00	-1.00077E+00	0.00000E+00	-3.62187E-02	0.00000E+00	6.59251E-08
70	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-1.00078E+00	0.00000E+00	-3.62187E-02	0.00000E+00	-6.76831E-06
72	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
73	0.00000E+00	-1.00078E+00	0.00000E+00	-3.62187E-02	0.00000E+00	6.76831E-06
74	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
75	0.00000E+00	-1.00077E+00	0.00000E+00	-3.62187E-02	0.00000E+00	0.00000E+00
76	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
77	0.00000E+00	-7.39621E-01	0.00000E+00	-3.62187E-02	0.00000E+00	0.00000E+00
78	0.00000E+00	-2.27673E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	0.00000E+00	-5.37975E-01	0.00000E+00	-3.62187E-02	0.00000E+00	2.01646E-01
80	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	0.00000E+00	-3.56889E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
82	0.00000E+00	-3.56889E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
83	0.00000E+00	-4.85668E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-4.85670E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-4.85670E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
86	0.00000E+00	-4.85668E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-4.85668E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-3.51490E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
90	0.00000E+00	-3.36127E-01	0.00000E+00	1.58450E-02	0.00000E+00	0.00000E+00
91	0.00000E+00	-3.51489E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
92	0.00000E+00	-3.63291E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
93	0.00000E+00	-3.36127E-01	0.00000E+00	1.58450E-02	0.00000E+00	0.00000E+00
94	0.00000E+00	-4.85667E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
95	0.00000E+00	-4.85670E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
96	0.00000E+00	-4.85670E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
97	0.00000E+00	-4.85667E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
98	0.00000E+00	-4.85667E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
99	0.00000E+00	-3.51490E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
100	0.00000E+00	-3.63291E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
101	0.00000E+00	-4.85667E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
102	0.00000E+00	-4.85669E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
103	0.00000E+00	-4.85669E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
104	0.00000E+00	-4.85667E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
105	0.00000E+00	-4.85667E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
106	0.00000E+00	-3.51489E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
107	0.00000E+00	-3.51490E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
108	0.00000E+00	-4.85668E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
109	0.00000E+00	-4.85668E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
110	0.00000E+00	-4.85668E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
111	0.00000E+00	-4.85670E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
112	0.00000E+00	-4.85670E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
113	0.00000E+00	-4.85668E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
114	0.00000E+00	-4.85668E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
115	0.00000E+00	-3.51490E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
116	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-4.85668E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-4.85668E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-4.85668E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-4.85670E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-4.85670E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-4.85668E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-4.85668E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-4.62042E-01	0.00000E+00	1.00444E-02	0.00000E+00	-1.60711E-01
135	0.00000E+00	-6.22752E-01	0.00000E+00	1.00444E-02	0.00000E+00	1.07678E-06
136	0.00000E+00	-6.36144E-01	0.00000E+00	1.78567E-02	0.00000E+00	-5.71351E-07
137	0.00000E+00	-6.36144E-01	0.00000E+00	1.78567E-02	0.00000E+00	5.49376E-08
138	0.00000E+00	-6.36147E-01	0.00000E+00	1.78567E-02	0.00000E+00	-5.40586E-06
139	0.00000E+00	-4.75437E-01	0.00000E+00	1.78567E-02	0.00000E+00	1.60715E-01
143	0.00000E+00	-5.70698E-01	0.00000E+00	-3.95843E-03	0.00000E+00	-9.03994E-02
144	0.00000E+00	-6.10876E-01	0.00000E+00	2.61747E-02	0.00000E+00	-1.50665E-01
145	0.00000E+00	-7.44801E-01	0.00000E+00	1.83624E-02	0.00000E+00	-5.71351E-07
146	0.00000E+00	-6.66285E-01	0.00000E+00	-1.53450E-02	0.00000E+00	5.49376E-08
147	0.00000E+00	-6.66288E-01	0.00000E+00	-1.53450E-02	0.00000E+00	-5.40586E-06

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
148	0.00000E+00	-6.58252E-01	0.00000E+00	-1.03897E-02	0.00000E+00	5.40586E-06
149	0.00000E+00	-5.76055E-01	0.00000E+00	2.33176E-02	0.00000E+00	1.60710E-01
150	0.00000E+00	-2.14533E-01	0.00000E+00	1.34597E-07	0.00000E+00	0.00000E+00
151	0.00000E+00	-1.74355E-01	0.00000E+00	3.34822E-03	0.00000E+00	0.00000E+00
152	0.00000E+00	-3.75496E-01	0.00000E+00	1.78547E-07	0.00000E+00	0.00000E+00
153	0.00000E+00	-3.75496E-01	0.00000E+00	1.78547E-07	0.00000E+00	0.00000E+00
154	0.00000E+00	-3.75498E-01	0.00000E+00	1.78547E-07	0.00000E+00	0.00000E+00
155	0.00000E+00	-2.03821E-01	0.00000E+00	-1.62495E-02	0.00000E+00	0.00000E+00
157	0.00000E+00	-1.96487E-01	0.00000E+00	3.01330E-02	0.00000E+00	0.00000E+00
158	0.00000E+00	-1.74355E-01	0.00000E+00	-3.34813E-03	0.00000E+00	0.00000E+00
159	0.00000E+00	-3.75496E-01	0.00000E+00	-1.78547E-07	0.00000E+00	0.00000E+00
160	0.00000E+00	-3.75496E-01	0.00000E+00	-1.78547E-07	0.00000E+00	0.00000E+00
161	0.00000E+00	-3.75498E-01	0.00000E+00	-1.78547E-07	0.00000E+00	0.00000E+00
162	0.00000E+00	-1.79715E-01	0.00000E+00	-8.34800E-03	0.00000E+00	0.00000E+00
165	0.00000E+00	-5.30521E-01	0.00000E+00	-3.62187E-02	0.00000E+00	-1.60711E-01
166	0.00000E+00	-6.91230E-01	0.00000E+00	-3.62187E-02	0.00000E+00	1.07678E-06
167	0.00000E+00	-6.91230E-01	0.00000E+00	-3.62187E-02	0.00000E+00	-5.71351E-07
168	0.00000E+00	-6.91230E-01	0.00000E+00	-3.62187E-02	0.00000E+00	5.49376E-08
169	0.00000E+00	-6.91233E-01	0.00000E+00	-3.62187E-02	0.00000E+00	-5.40586E-06
170	0.00000E+00	-6.91233E-01	0.00000E+00	-3.62187E-02	0.00000E+00	5.40586E-06
171	0.00000E+00	-5.30520E-01	0.00000E+00	-3.62187E-02	0.00000E+00	1.60710E-01
173	0.00000E+00	-3.51490E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
174	0.00000E+00	-3.51490E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
175	0.00000E+00	-3.51490E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
176	0.00000E+00	-4.58503E-01	0.00000E+00	1.58447E-02	0.00000E+00	0.00000E+00
177	0.00000E+00	-4.58506E-01	0.00000E+00	1.58447E-02	0.00000E+00	0.00000E+00
178	0.00000E+00	-4.58506E-01	0.00000E+00	1.58447E-02	0.00000E+00	0.00000E+00
179	0.00000E+00	-3.51490E-01	0.00000E+00	-1.07678E-06	0.00000E+00	0.00000E+00
181	0.00000E+00	-3.51489E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
182	0.00000E+00	-3.51489E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
183	0.00000E+00	-3.51489E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
184	0.00000E+00	-4.85667E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
185	0.00000E+00	-4.85669E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
186	0.00000E+00	-4.85669E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
187	0.00000E+00	-3.51489E-01	0.00000E+00	7.00454E-07	0.00000E+00	0.00000E+00
189	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
190	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
191	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
192	0.00000E+00	-4.85668E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
193	0.00000E+00	-4.85670E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
194	0.00000E+00	-4.85670E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
195	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
197	0.00000E+00	-3.51490E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
198	0.00000E+00	-3.51490E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
199	0.00000E+00	-3.51490E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
200	0.00000E+00	-4.85668E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
201	0.00000E+00	-4.85670E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
202	0.00000E+00	-4.85670E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
203	0.00000E+00	-3.51490E-01	0.00000E+00	2.47219E-08	0.00000E+00	0.00000E+00
205	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
206	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
207	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
208	0.00000E+00	-4.85668E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
209	0.00000E+00	-4.85670E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
210	0.00000E+00	-4.85670E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
211	0.00000E+00	-3.51490E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
213	0.00000E+00	-1.87748E-01	0.00000E+00	-8.92834E-03	0.00000E+00	0.00000E+00
214	0.00000E+00	-7.99758E-02	0.00000E+00	-8.96169E-08	0.00000E+00	0.00000E+00
226	0.00000E+00	-2.25247E-01	0.00000E+00	4.12032E-09	0.00000E+00	0.00000E+00
227	0.00000E+00	-7.79654E-02	0.00000E+00	6.66638E-03	0.00000E+00	0.00000E+00
228	0.00000E+00	-2.84843E-01	0.00000E+00	4.80055E-03	0.00000E+00	-7.54087E-03
229	0.00000E+00	-2.84843E-01	0.00000E+00	4.80055E-03	0.00000E+00	7.54089E-03
230	0.00000E+00	-2.84842E-01	0.00000E+00	-4.80070E-03	0.00000E+00	-7.54087E-03
231	0.00000E+00	-2.84842E-01	0.00000E+00	-4.80070E-03	0.00000E+00	7.54089E-03
232	0.00000E+00	-1.11941E-01	0.00000E+00	1.49088E-02	0.00000E+00	-1.68038E-02
233	0.00000E+00	-1.41518E-01	0.00000E+00	-1.49088E-02	0.00000E+00	-2.45684E-02
234	0.00000E+00	-1.70754E-01	0.00000E+00	1.49088E-02	0.00000E+00	-5.25097E-03
235	0.00000E+00	-1.70754E-01	0.00000E+00	1.49088E-02	0.00000E+00	5.25099E-03
236	0.00000E+00	-1.41518E-01	0.00000E+00	-1.49088E-02	0.00000E+00	2.45684E-02
237	0.00000E+00	-1.11941E-01	0.00000E+00	1.49088E-02	0.00000E+00	1.68038E-02
238	0.00000E+00	-1.28587E-01	0.00000E+00	-1.49086E-02	0.00000E+00	-3.49407E-03
239	0.00000E+00	-1.28587E-01	0.00000E+00	-1.49086E-02	0.00000E+00	3.49408E-03
240	0.00000E+00	-1.41518E-01	0.00000E+00	1.49086E-02	0.00000E+00	-2.45684E-02
241	0.00000E+00	-8.96436E-02	0.00000E+00	-1.49086E-02	0.00000E+00	-1.13665E-02
242	0.00000E+00	-8.96436E-02	0.00000E+00	-1.49086E-02	0.00000E+00	1.13665E-02
243	0.00000E+00	-1.41518E-01	0.00000E+00	1.49086E-02	0.00000E+00	2.45684E-02
244	0.00000E+00	-1.12449E-01	0.00000E+00	-8.46912E-03	0.00000E+00	0.00000E+00
245	0.00000E+00	-1.94255E-01	0.00000E+00	-8.38611E-03	0.00000E+00	8.03549E-02
246	0.00000E+00	-1.99541E-01	0.00000E+00	8.38611E-03	0.00000E+00	1.00348E-01
247	0.00000E+00	-1.87748E-01	0.00000E+00	1.24997E-02	0.00000E+00	0.00000E+00
248	0.00000E+00	-2.12444E-01	0.00000E+00	6.23507E-03	0.00000E+00	0.00000E+00
249	0.00000E+00	-1.87748E-01	0.00000E+00	7.14262E-03	0.00000E+00	0.00000E+00
250	0.00000E+00	-7.99756E-02	0.00000E+00	8.92834E-03	0.00000E+00	0.00000E+00
251	0.00000E+00	-1.07773E-01	0.00000E+00	-2.74688E-09	0.00000E+00	-1.07088E-02
254	0.00000E+00	-1.00633E-01	0.00000E+00	-5.03166E-03	0.00000E+00	0.00000E+00
255	0.00000E+00	-1.11633E-01	0.00000E+00	1.78616E-02	0.00000E+00	0.00000E+00
256	0.00000E+00	-1.11633E-01	0.00000E+00	1.78616E-02	0.00000E+00	0.00000E+00
257	0.00000E+00	-1.11633E-01	0.00000E+00	1.78616E-02	0.00000E+00	0.00000E+00
258	0.00000E+00	-1.11633E-01	0.00000E+00	1.78612E-02	0.00000E+00	0.00000E+00
259	0.00000E+00	-1.11633E-01	0.00000E+00	1.78612E-02	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 1
LOADTYPE DEAD TITLE PP

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
(FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.212218024E+02
Y = 0.414289341E+01
Z = 0.901915325E+01

***TOTAL APPLIED LOAD (MTON METE) SUMMARY (LOADING 1)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -91.54
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 825.60 MY= 0.00 MZ= -1942.60

***TOTAL REACTION LOAD(MTON METE) SUMMARY (LOADING 1)
 SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 91.54
 SUMMATION FORCE-Z = -0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -825.60 MY= -0.00 MZ= 1942.60

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 1)
 MAXIMUMS AT NODE
 X = 3.02115E-03 165
 Y = -2.33114E-01 239
 Z = -1.27709E-02 149
 RX= 4.52413E-04 235
 RY= 2.73225E-06 155
 RZ= -2.96643E-04 241

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (MTON METE)-

JT	EXT FX/	EXT FY/	EXT FZ/	EXT MX/	EXT MY/	EXT MZ/	
	INT FX	INT FY	INT FZ	INT MX	INT MY	INT MZ	
	SUPPORT=1						
1	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.03	-1.65	-0.05	-0.06	0.00	0.04	111111
3	0.00	-0.23	0.00	0.00	0.00	0.00	
	0.00	-2.29	-0.04	-0.06	0.00	0.00	111111
4	0.00	-0.96	0.00	0.02	0.00	0.00	
	0.00	0.96	-0.14	-0.02	0.00	-0.00	000000
5	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.02	-2.22	-0.02	-0.04	0.00	0.03	111111
6	0.00	-0.86	0.00	0.02	0.00	0.15	
	0.01	0.86	-0.13	-0.02	0.00	-0.15	000000
7	0.00	-0.23	0.00	0.00	0.00	0.00	
	0.02	-2.20	-0.04	-0.06	0.00	-0.02	111111
9	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.00	-2.22	-0.07	-0.10	0.00	0.01	111111
11	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.01	-2.02	-0.07	-0.10	0.00	0.01	111111
13	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.00	-1.21	-0.22	-0.25	0.00	0.00	111111
14	0.00	-0.68	0.00	0.01	0.00	0.00	
	0.00	0.68	0.22	-0.01	-0.00	-0.00	000000
15	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.01	-0.98	-0.12	-0.16	0.00	0.02	111111
16	0.00	-0.70	0.00	0.02	0.00	0.00	
	0.01	0.70	0.12	-0.02	0.00	-0.00	000000

STAAD SPACE						-- PAGE NO. 55	
19	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.03	-3.85	-0.22	-0.22	0.00	0.03	111111
20	0.00	-0.87	0.00	0.01	0.00	-0.20	
	-0.03	0.87	-0.34	-0.01	0.00	0.20	000000
21	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.01	-5.66	-0.52	-0.52	0.00	0.02	111111
22	0.00	-0.80	0.00	-0.02	0.00	0.20	
	0.02	0.80	-0.17	0.02	0.00	-0.20	000000
23	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.02	-5.64	-0.53	-0.53	0.00	0.02	111111
24	0.00	-0.68	0.00	-0.01	0.00	-0.05	
	0.01	0.68	-0.19	0.01	0.00	0.05	000000
25	0.00	-0.23	0.00	0.00	0.00	0.00	
	0.02	-5.31	-0.32	-0.33	0.00	-0.03	111111
26	0.00	-0.96	0.00	0.02	0.00	-0.15	
	-0.01	0.96	-0.48	-0.02	0.00	0.15	000000
27	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.01	-5.25	-0.30	-0.32	0.00	0.01	111111
28	0.00	-1.07	0.00	0.01	0.00	-0.00	
	0.01	1.07	-0.49	-0.01	0.00	0.00	000000
29	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.00	-5.30	-0.30	-0.32	0.00	0.00	111111
30	0.00	-1.07	0.00	0.01	0.00	0.00	
	-0.00	1.07	-0.50	-0.01	0.00	-0.00	000000
31	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.01	-4.65	-0.31	-0.34	0.00	0.01	111111
32	0.00	-1.07	0.00	0.01	0.00	0.00	
	0.04	1.07	-0.34	-0.01	0.00	0.00	000000
33	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.01	-2.65	-0.65	-0.68	0.00	0.01	111111
34	0.00	-0.81	0.00	0.01	0.00	0.00	
	0.01	0.81	0.65	-0.01	-0.00	0.00	000000
35	0.00	-0.23	0.00	0.00	0.00	0.00	
	0.05	-1.87	-0.50	-0.53	0.00	-0.05	111111
36	0.00	-0.61	0.00	0.01	0.00	0.20	
	-0.05	0.61	0.50	-0.01	-0.00	-0.20	000000
62	0.00	-0.23	0.00	0.00	0.00	0.00	
	-0.03	-3.02	0.28	0.26	0.00	0.03	111111
63	0.00	-0.80	0.00	-0.04	0.00	-0.20	
	-0.02	0.80	0.43	0.04	0.00	0.20	000000
64	0.00	-0.23	0.00	0.00	0.00	0.00	
	0.00	-3.91	0.53	0.50	0.00	-0.00	111111
65	0.00	-1.00	0.00	-0.04	0.00	0.00	
	0.01	1.00	0.29	0.04	0.00	-0.00	000000
66	0.00	-0.23	0.00	0.00	0.00	0.00	

STAAD SPACE							-- PAGE NO. 56	
72	0.00	-0.23	0.00	0.00	0.00	0.00		
	0.00	-4.05	0.38	0.34	0.00	-0.00	111111	
73	0.00	-1.00	0.00	-0.04	0.00	0.00		
	0.01	1.00	0.54	0.04	0.00	-0.00	000000	
74	0.00	-0.23	0.00	0.00	0.00	0.00		
	-0.00	-3.54	0.43	0.38	0.00	0.00	111111	
75	0.00	-1.00	0.00	-0.04	0.00	0.00		
	0.05	1.00	0.31	0.04	0.00	-0.00	000000	
76	0.00	-0.23	0.00	0.00	0.00	0.00		
	-0.00	-1.94	0.84	0.78	0.00	0.00	111111	
77	0.00	-0.74	0.00	-0.04	0.00	0.00		
	0.00	0.74	-0.84	0.04	-0.00	-0.00	000000	
78	0.00	-0.23	0.00	0.00	0.00	0.00		
	0.05	-1.36	0.60	0.54	0.00	-0.06	111111	
79	0.00	-0.54	0.00	-0.04	0.00	0.20		
	-0.05	0.54	-0.60	0.04	-0.00	-0.20	000000	
134	0.00	-0.46	0.00	0.01	0.00	-0.16		
	0.05	0.46	0.10	-0.01	-0.00	0.16	000000	
135	0.00	-0.62	0.00	0.01	0.00	0.00		
	-0.00	0.62	0.18	-0.01	-0.00	-0.00	000000	
136	0.00	-0.64	0.00	0.02	0.00	-0.00		
	0.02	0.64	0.15	-0.02	-0.00	0.00	000000	
137	0.00	-0.64	0.00	0.02	0.00	0.00		
	-0.01	0.64	0.14	-0.02	-0.00	-0.00	000000	
138	0.00	-0.64	0.00	0.02	0.00	-0.00		
	0.01	0.64	0.16	-0.02	-0.00	0.00	000000	
139	0.00	-0.48	0.00	0.02	0.00	0.16		
	-0.03	0.48	0.16	-0.02	-0.00	-0.16	000000	
143	0.00	-0.57	0.00	-0.00	0.00	-0.09		
	0.06	0.57	0.56	0.00	-0.00	0.09	000000	
144	0.00	-0.61	0.00	0.03	0.00	-0.15		
	-0.01	0.61	0.69	-0.03	-0.00	0.15	000000	
145	0.00	-0.74	0.00	0.02	0.00	-0.00		
	0.01	0.74	0.72	-0.02	-0.00	0.00	000000	
146	0.00	-0.67	0.00	-0.02	0.00	0.00		
	-0.02	0.67	0.79	0.02	-0.00	-0.00	000000	
147	0.00	-0.67	0.00	-0.02	0.00	-0.00		
	0.00	0.67	0.79	0.02	-0.00	0.00	000000	
148	0.00	-0.66	0.00	-0.01	0.00	0.00		
	0.00	0.66	0.80	0.01	-0.00	-0.00	000000	
149	0.00	-0.58	0.00	0.02	0.00	0.16		
	-0.04	0.58	0.65	-0.02	-0.00	-0.16	000000	
165	0.00	-0.53	0.00	-0.04	0.00	-0.16		
	0.04	0.53	-0.70	0.04	-0.00	0.16	000000	
166	0.00	-0.69	0.00	-0.04	0.00	0.00		

FOR LOADING - 2
 APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
2	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.20000E+00
4	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.08681E-06
6	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20000E+00
8	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.20000E+00
10	0.00000E+00	-2.40002E+00	0.00000E+00	0.00000E+00	0.00000E+00	-4.02583E-05
12	0.00000E+00	-2.40002E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.02583E-05
14	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20000E+00
20	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-2.40001E+00
22	0.00000E+00	-2.45000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.39792E+00
24	0.00000E+00	-1.25000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-5.97917E-01
26	0.00000E+00	-3.60000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.80000E+00
28	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	-8.05165E-05
30	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.05165E-05
32	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.40000E+00
37	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.75800E-07
57	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.20000E+00
65	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	8.08681E-06
67	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-3.95551E-06
69	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-2.40002E+00	0.00000E+00	0.00000E+00	0.00000E+00	-4.02583E-05
73	0.00000E+00	-2.40002E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.02583E-05
75	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
77	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.20000E+00
80	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
81	0.00000E+00	-2.44829E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
82	0.00000E+00	-2.44829E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
86	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
90	0.00000E+00	-2.44891E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
92	0.00000E+00	-2.44891E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-2.44890E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
97	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
100	0.00000E+00	-2.44890E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
101	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
102	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
106	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
107	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
112	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-4.80004E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-4.80000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-2.40000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-1.41000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.41000E+00
135	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.49321E-06
136	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-4.48291E-06
137	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.75800E-07
138	0.00000E+00	-2.82002E+00	0.00000E+00	0.00000E+00	0.00000E+00	-4.73782E-05
139	0.00000E+00	-1.41002E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.41005E+00
143	0.00000E+00	-1.05750E+00	0.00000E+00	0.00000E+00	0.00000E+00	-7.93125E-01
144	0.00000E+00	-2.11500E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.23374E+00
145	0.00000E+00	-4.23000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.41000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
146	0.00000E+00	-5.64000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.51601E-07
147	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	-9.47563E-05
148	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.47563E-05
149	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.82000E+00
150	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
151	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
152	0.00000E+00	-5.64000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
153	0.00000E+00	-5.64000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
154	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
155	0.00000E+00	-2.82005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
157	0.00000E+00	-7.98158E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
158	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
159	0.00000E+00	-5.64000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
160	0.00000E+00	-5.64000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
161	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
162	0.00000E+00	-2.82005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
165	0.00000E+00	-1.41000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.41000E+00
166	0.00000E+00	-1.41000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.41000E+00
167	0.00000E+00	-1.41000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.41000E+00
168	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.75800E-07
169	0.00000E+00	-2.82002E+00	0.00000E+00	0.00000E+00	0.00000E+00	-4.73782E-05
170	0.00000E+00	-2.82002E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.73782E-05
171	0.00000E+00	-1.41000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.41000E+00
173	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
174	0.00000E+00	-2.82001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
175	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
176	0.00000E+00	-5.64000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
177	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
178	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
179	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
181	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
182	0.00000E+00	-2.82001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
183	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
184	0.00000E+00	-5.64000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
185	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
186	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
187	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
189	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
190	0.00000E+00	-2.82001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
191	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
192	0.00000E+00	-5.64000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
193	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
194	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
195	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
197	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
198	0.00000E+00	-2.82001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
199	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
200	0.00000E+00	-5.64000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
201	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
202	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
203	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
205	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
206	0.00000E+00	-2.82001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
207	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
208	0.00000E+00	-5.64000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
209	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
210	0.00000E+00	-5.64005E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
211	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
213	0.00000E+00	-2.82001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
214	0.00000E+00	-5.54962E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
226	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
228	0.00000E+00	-1.55000E+00	0.00000E+00	-1.33339E-01	0.00000E+00	1.02083E-01
229	0.00000E+00	-1.55000E+00	0.00000E+00	-1.33339E-01	0.00000E+00	-1.02083E-01
230	0.00000E+00	-1.55000E+00	0.00000E+00	1.33336E-01	0.00000E+00	1.02083E-01
231	0.00000E+00	-1.55000E+00	0.00000E+00	1.33336E-01	0.00000E+00	-1.02083E-01
232	0.00000E+00	-8.00002E-01	0.00000E+00	1.33335E-01	0.00000E+00	-1.00000E-01
233	0.00000E+00	-8.01098E-01	0.00000E+00	-1.33335E-01	0.00000E+00	-1.01809E-01
234	0.00000E+00	-1.55000E+00	0.00000E+00	2.66669E-01	0.00000E+00	-3.12487E-02
235	0.00000E+00	-1.55000E+00	0.00000E+00	2.66669E-01	0.00000E+00	3.12488E-02
236	0.00000E+00	-8.01098E-01	0.00000E+00	-1.33335E-01	0.00000E+00	1.01809E-01
237	0.00000E+00	-8.00002E-01	0.00000E+00	1.33335E-01	0.00000E+00	9.99999E-02
238	0.00000E+00	-1.55000E+00	0.00000E+00	-2.66667E-01	0.00000E+00	-3.12487E-02
239	0.00000E+00	-1.55000E+00	0.00000E+00	-2.66667E-01	0.00000E+00	3.12488E-02
240	0.00000E+00	-8.01096E-01	0.00000E+00	1.33333E-01	0.00000E+00	-1.01809E-01
241	0.00000E+00	-8.01715E-01	0.00000E+00	-1.33333E-01	0.00000E+00	-1.01655E-01
242	0.00000E+00	-8.01715E-01	0.00000E+00	-1.33333E-01	0.00000E+00	1.01654E-01
243	0.00000E+00	-8.01096E-01	0.00000E+00	1.33333E-01	0.00000E+00	1.01809E-01
245	0.00000E+00	-1.76250E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.16873E-01
246	0.00000E+00	-2.17189E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.41971E-01
247	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
248	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
249	0.00000E+00	-2.82000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
250	0.00000E+00	-5.54962E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
251	0.00000E+00	-8.55048E-01	0.00000E+00	0.00000E+00	0.00000E+00	-2.25066E-01
254	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 2
LOADTYPE DEAD TITLE CM

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
(FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.219811319E+02
Y = 0.471309531E+01
Z = 0.898112428E+01

***TOTAL APPLIED LOAD (MTON METE) SUMMARY (LOADING 2)
SUMMATION FORCE-X = 0.00
SUMMATION FORCE-Y = -603.48
SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
MX= 5419.94 MY= 0.00 MZ= -13265.21

***TOTAL REACTION LOAD(MTON METE) SUMMARY (LOADING 2)

SUMMATION FORCE-X = -0.00
 SUMMATION FORCE-Y = 603.48
 SUMMATION FORCE-Z = -0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -5419.94 MY= -0.00 MZ= 13265.21

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 2)

MAXIMUMS AT NODE
 X = 2.79662E-02 165
 Y = -2.00677E+00 193
 Z = -1.26294E-01 248
 RX= -4.49033E-03 209
 RY= 2.68199E-05 155
 RZ= -2.74316E-03 241

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (MTON METE)-

JT	EXT FX/	EXT FY/	EXT FZ/	EXT MX/	EXT MY/	EXT MZ/		
	INT FX	INT FY	INT FZ	INT MX	INT MY	INT MZ		
							SUPPORT=1	
1	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.14	-7.07	-0.55	-0.75	0.00	0.17	111111	
2	0.00	-1.20	0.00	0.00	0.00	-1.20		
	-0.31	1.20	-0.33	-0.00	0.00	1.20	000000	
3	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.01	-15.26	-0.64	-0.86	0.00	0.03	111111	
4	0.00	-2.40	0.00	0.00	0.00	0.00		
	-0.02	2.40	-1.82	0.00	0.00	-0.00	000000	
5	0.00	0.00	0.00	0.00	0.00	0.00		
	0.08	-11.66	-0.15	-0.41	0.00	-0.07	111111	
6	0.00	-1.20	0.00	0.00	0.00	1.20		
	-0.09	1.20	-2.02	-0.00	0.00	-1.20	000000	
7	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.10	-10.78	-0.19	-0.46	0.00	0.13	111111	
8	0.00	-1.20	0.00	0.00	0.00	-1.20		
	-0.01	1.20	-1.64	-0.00	0.00	1.20	000000	
9	0.00	0.00	0.00	0.00	0.00	0.00		
	0.01	-14.07	-0.76	-1.04	0.00	0.00	111111	
10	0.00	-2.40	0.00	0.00	0.00	-0.00		
	-0.12	2.40	-1.45	0.00	0.00	0.00	000000	
11	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.06	-11.87	-0.75	-1.05	0.00	0.08	111111	
12	0.00	-2.40	0.00	0.00	0.00	0.00		
	0.30	2.40	-1.45	-0.00	0.00	-0.00	000000	
13	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.01	-7.84	-2.28	-2.56	0.00	0.02	111111	
14	0.00	-2.40	0.00	0.00	0.00	0.00		

STAAD SPACE						-- PAGE NO. 62	
16	0.00	-2.40	0.00	0.00	0.00	0.00	
	0.07	2.40	1.46	0.00	0.00	0.00	000000
17	0.00	0.00	0.00	0.00	0.00	0.00	
	0.27	-2.79	-0.87	-1.23	0.00	-0.28	111111
18	0.00	-1.20	0.00	0.00	0.00	1.20	
	-0.27	1.20	0.87	-0.00	0.00	-1.20	000000
19	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.35	-21.76	-1.39	-1.57	0.00	0.40	111111
20	0.00	-2.40	0.00	0.00	0.00	-2.40	
	-0.25	2.40	-2.76	0.00	0.00	2.40	000000
21	0.00	0.00	0.00	0.00	0.00	0.00	
	0.02	-39.52	-3.56	-3.70	0.00	-0.02	111111
22	0.00	-2.45	0.00	0.00	0.00	2.40	
	0.15	2.45	-0.90	0.00	0.00	-2.40	000000
23	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.17	-40.17	-3.86	-4.02	0.00	0.20	111111
24	0.00	-1.25	0.00	0.00	0.00	-0.60	
	-0.18	1.25	-0.80	0.00	0.00	0.60	000000
25	0.00	0.00	0.00	0.00	0.00	0.00	
	0.15	-48.52	-3.09	-3.29	0.00	-0.15	111111
26	0.00	-3.60	0.00	0.00	0.00	-1.80	
	-0.04	3.60	-5.24	-0.00	0.00	1.80	000000
27	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.04	-49.48	-2.62	-2.85	0.00	0.05	111111
28	0.00	-4.80	0.00	0.00	0.00	-0.00	
	0.03	4.80	-5.56	0.00	0.00	0.00	000000
29	0.00	0.00	0.00	0.00	0.00	0.00	
	0.02	-50.31	-2.61	-2.86	0.00	-0.01	111111
30	0.00	-4.80	0.00	0.00	0.00	0.00	
	-0.08	4.80	-5.62	0.00	0.00	-0.00	000000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.09	-36.90	-3.08	-3.34	0.00	0.11	111111
32	0.00	-4.80	0.00	0.00	0.00	0.00	
	0.70	4.80	-2.30	-0.00	0.00	0.00	000000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.06	-23.88	-6.08	-6.28	0.00	0.08	111111
34	0.00	-4.80	0.00	0.00	0.00	0.00	
	0.06	4.80	6.08	-0.00	-0.00	-0.00	000000
35	0.00	0.00	0.00	0.00	0.00	0.00	
	0.57	-11.51	-3.24	-3.54	0.00	-0.62	111111
36	0.00	-2.40	0.00	0.00	0.00	2.40	
	-0.57	2.40	3.24	0.00	-0.00	-2.40	000000
62	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.15	-15.20	1.55	1.29	0.00	0.16	111111
63	0.00	-1.20	0.00	0.00	0.00	-1.20	

STAAD SPACE						-- PAGE NO. 63	
69	0.00	-2.40	0.00	0.00	0.00	0.00	
	0.16	2.40	6.84	0.00	0.00	-0.00	000000
70	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.02	-30.46	3.43	3.04	0.00	0.02	111111
71	0.00	-2.40	0.00	0.00	0.00	-0.00	
	0.13	2.40	6.76	0.00	0.00	0.00	000000
72	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-30.50	3.47	3.06	0.00	0.00	111111
73	0.00	-2.40	0.00	0.00	0.00	0.00	
	0.09	2.40	6.63	-0.00	0.00	-0.00	000000
74	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.06	-22.06	4.44	3.98	0.00	0.06	111111
75	0.00	-2.40	0.00	0.00	0.00	0.00	
	0.45	2.40	1.78	-0.00	0.00	0.00	000000
76	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-14.09	8.22	7.64	0.00	0.01	111111
77	0.00	-2.40	0.00	0.00	0.00	0.00	
	0.01	2.40	-8.22	-0.00	-0.00	0.00	000000
78	0.00	0.00	0.00	0.00	0.00	0.00	
	0.29	-6.80	3.95	3.46	0.00	-0.33	111111
79	0.00	-1.20	0.00	0.00	0.00	1.20	
	-0.29	1.20	-3.95	-0.00	-0.00	-1.20	000000
134	0.00	-1.41	0.00	0.00	0.00	-1.41	
	0.45	1.41	0.88	0.00	-0.00	1.41	000000
135	0.00	-2.82	0.00	0.00	0.00	0.00	
	0.03	2.82	2.46	-0.00	-0.00	-0.00	000000
136	0.00	-2.82	0.00	0.00	0.00	-0.00	
	0.01	2.82	2.17	-0.00	-0.00	0.00	000000
137	0.00	-2.82	0.00	0.00	0.00	0.00	
	0.11	2.82	1.83	0.00	-0.00	-0.00	000000
138	0.00	-2.82	0.00	0.00	0.00	-0.00	
	0.10	2.82	2.21	0.00	-0.00	0.00	000000
139	0.00	-1.41	0.00	0.00	0.00	1.41	
	-0.24	1.41	2.20	0.00	-0.00	-1.41	000000
143	0.00	-1.06	0.00	0.00	0.00	-0.79	
	0.59	1.06	4.15	0.00	-0.00	0.79	000000
144	0.00	-2.12	0.00	0.00	0.00	-1.23	
	-0.17	2.12	4.46	0.00	-0.00	1.23	000000
145	0.00	-4.23	0.00	0.00	0.00	-1.41	
	0.35	4.23	4.66	0.00	-0.00	1.41	000000
146	0.00	-5.64	0.00	0.00	0.00	0.00	
	-0.11	5.64	8.33	-0.00	-0.00	-0.00	000000
147	0.00	-5.64	0.00	0.00	0.00	-0.00	
	0.01	5.64	8.18	-0.00	-0.00	0.00	000000
148	0.00	-5.64	0.00	0.00	0.00	0.00	

STAAD SPACE -- PAGE NO. 64

169	0.00	-2.82	0.00	0.00	0.00	-0.00	
	-0.11	2.82	-10.20	0.00	-0.00	0.00	000000
170	0.00	-2.82	0.00	0.00	0.00	0.00	
	-0.09	2.82	-10.10	-0.00	-0.00	-0.00	000000
171	0.00	-1.41	0.00	0.00	0.00	1.41	
	-0.40	1.41	-6.22	0.00	-0.00	-1.41	000000

FOR LOADING - 3
 APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
2	0.00000E+00	-7.50001E-01	0.00000E+00	0.00000E+00	0.00000E+00	-7.50003E-01
4	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.09821E-06
6	0.00000E+00	-7.49999E-01	0.00000E+00	0.00000E+00	0.00000E+00	7.49998E-01
8	0.00000E+00	-7.50000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-7.50000E-01
10	0.00000E+00	-1.50001E+00	0.00000E+00	0.00000E+00	0.00000E+00	-2.51394E-05
12	0.00000E+00	-1.50001E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.51394E-05
14	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	-7.50000E-01	0.00000E+00	0.00000E+00	0.00000E+00	7.50000E-01
20	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.50001E+00
22	0.00000E+00	-1.53125E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.49870E+00
24	0.00000E+00	-7.81250E-01	0.00000E+00	0.00000E+00	0.00000E+00	-3.73698E-01
26	0.00000E+00	-2.25000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.12500E+00
28	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	-5.02789E-05
30	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.02789E-05
32	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.50000E+00
37	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.31850E-07
57	0.00000E+00	-3.75000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-7.50000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-3.75000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-7.50000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-3.75000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-7.50001E-01	0.00000E+00	0.00000E+00	0.00000E+00	-7.50003E-01
65	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.09821E-06
67	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-2.46120E-06
69	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
71	0.00000E+00	-1.50001E+00	0.00000E+00	0.00000E+00	0.00000E+00	-2.51394E-05
73	0.00000E+00	-1.50001E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.51394E-05
75	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
77	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	0.00000E+00	-7.50000E-01	0.00000E+00	0.00000E+00	0.00000E+00	7.50000E-01
80	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
82	0.00000E+00	-1.53018E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
86	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
90	0.00000E+00	-1.53057E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
92	0.00000E+00	-1.53057E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-1.53057E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
97	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
100	0.00000E+00	-1.53057E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
101	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
102	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
106	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
107	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
112	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-3.00003E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-3.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-1.50000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-3.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	-3.00001E-01
135	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.02170E-06
136	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-9.88877E-07

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
137	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-6.00005E-01	0.00000E+00	0.00000E+00	0.00000E+00	-1.00646E-05
139	0.00000E+00	-3.00005E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.00010E-01
143	0.00000E+00	-2.25000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-1.68750E-01
144	0.00000E+00	-4.50000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-2.62499E-01
145	0.00000E+00	-9.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-3.00001E-01
146	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
147	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	-2.01291E-05
148	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.01291E-05
149	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	6.00000E-01
150	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
151	0.00000E+00	-5.99999E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
152	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
153	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
154	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
155	0.00000E+00	-6.00010E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
157	0.00000E+00	-1.69821E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
158	0.00000E+00	-5.99999E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
159	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
160	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
161	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
162	0.00000E+00	-6.00010E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
165	0.00000E+00	-3.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	-3.00001E-01
166	0.00000E+00	-3.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.00001E-01
167	0.00000E+00	-3.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-3.00000E-01
168	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
169	0.00000E+00	-6.00005E-01	0.00000E+00	0.00000E+00	0.00000E+00	-1.00646E-05
170	0.00000E+00	-6.00005E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.00646E-05
171	0.00000E+00	-3.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.00000E-01
173	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
174	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
175	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
176	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
177	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
178	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
179	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
181	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
182	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
183	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
184	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
185	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
186	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
187	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
189	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
190	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
191	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
192	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
193	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
194	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
195	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
197	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
198	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
199	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
200	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
201	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
202	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
203	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
205	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
206	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
207	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
208	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
209	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
210	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
211	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
213	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
214	0.00000E+00	-1.18077E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
226	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
228	0.00000E+00	-9.68750E-01	0.00000E+00	-8.33367E-02	0.00000E+00	6.38021E-02
229	0.00000E+00	-9.68750E-01	0.00000E+00	-8.33367E-02	0.00000E+00	-6.38020E-02
230	0.00000E+00	-9.68747E-01	0.00000E+00	8.33349E-02	0.00000E+00	6.38021E-02
231	0.00000E+00	-9.68747E-01	0.00000E+00	8.33349E-02	0.00000E+00	-6.38020E-02
232	0.00000E+00	-5.00001E-01	0.00000E+00	8.33342E-02	0.00000E+00	-6.25000E-02
233	0.00000E+00	-5.00686E-01	0.00000E+00	-8.33342E-02	0.00000E+00	-6.36308E-02
234	0.00000E+00	-9.68751E-01	0.00000E+00	1.66668E-01	0.00000E+00	-1.95304E-02
235	0.00000E+00	-9.68751E-01	0.00000E+00	1.66668E-01	0.00000E+00	1.95305E-02
236	0.00000E+00	-5.00686E-01	0.00000E+00	-8.33342E-02	0.00000E+00	6.36308E-02
237	0.00000E+00	-5.00001E-01	0.00000E+00	8.33342E-02	0.00000E+00	6.25000E-02
238	0.00000E+00	-9.68749E-01	0.00000E+00	-1.66667E-01	0.00000E+00	-1.95304E-02
239	0.00000E+00	-9.68749E-01	0.00000E+00	-1.66667E-01	0.00000E+00	1.95305E-02
240	0.00000E+00	-5.00685E-01	0.00000E+00	8.33333E-02	0.00000E+00	-6.36308E-02
241	0.00000E+00	-5.01072E-01	0.00000E+00	-8.33333E-02	0.00000E+00	-6.35341E-02
242	0.00000E+00	-5.01072E-01	0.00000E+00	-8.33333E-02	0.00000E+00	6.35341E-02
243	0.00000E+00	-5.00685E-01	0.00000E+00	8.33333E-02	0.00000E+00	6.36308E-02
245	0.00000E+00	-3.75001E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.31249E-01
246	0.00000E+00	-4.62104E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.00419E-01
247	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
248	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
249	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
250	0.00000E+00	-1.18077E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
251	0.00000E+00	-1.81925E-01	0.00000E+00	0.00000E+00	0.00000E+00	-4.78863E-02
254	0.00000E+00	-3.75000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 3
 LOADTYPE DEAD TITLE CV MAX

CENTER OF FORCE BASED ON Y FORCES ONLY (METER).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.231265877E+02
 Y = 0.382106338E+01
 Z = 0.907626418E+01

***TOTAL APPLIED LOAD (MTON METE) SUMMARY (LOADING 3)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -267.90
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 2431.54 MY= 0.00 MZ= -6195.63

***TOTAL REACTION LOAD(MTON METE) SUMMARY (LOADING 3)

SUMMATION FORCE-X = -0.00
 SUMMATION FORCE-Y = 267.90
 SUMMATION FORCE-Z = -0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -2431.54 MY= -0.00 MZ= 6195.63

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 3)

MAXIMUMS AT NODE
 X = 1.22810E-02 171
 Y = -1.19327E+00 239
 Z = -5.51310E-02 248
 RX= -2.39870E-03 123
 RY= 1.01444E-05 155
 RZ= -1.72114E-03 241

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (MTON METE)-

JT	EXT FX/ INT FX	EXT FY/ INT FY	EXT FZ/ INT FZ	EXT MX/ INT MX	EXT MY/ INT MY	EXT MZ/ INT MZ	
							SUPPORT=1
1	0.00 -0.12	0.00 -2.84	0.00 -0.38	0.00 -0.52	0.00 0.00	0.00 0.14	111111
3	0.00 -0.01	0.00 -5.96	0.00 -0.58	0.00 -0.73	0.00 0.00	0.00 0.02	111111
4	0.00 -0.00	-1.50 1.50	0.00 -0.20	0.00 -0.00	0.00 0.00	0.00 -0.00	000000
5	0.00 0.04	0.00 -4.05	0.00 -0.28	0.00 -0.45	0.00 0.00	0.00 -0.04	111111
6	0.00 -0.03	-0.75 0.75	0.00 -0.35	0.00 0.00	0.00 0.00	0.75 -0.75	000000
7	0.00 -0.07	0.00 -3.73	0.00 -0.25	0.00 -0.43	0.00 0.00	0.00 0.08	111111
8	0.00 0.02	-0.75 0.75	0.00 -0.30	0.00 -0.00	0.00 0.00	-0.75 0.75	000000
9	0.00 -0.00	0.00 -5.72	0.00 -0.62	0.00 -0.80	0.00 0.00	0.00 0.01	111111
10	0.00 -0.02	-1.50 1.50	0.00 -0.14	0.00 -0.00	0.00 0.00	-0.00 0.00	000000
11	0.00 -0.02	0.00 -5.24	0.00 -0.62	0.00 -0.81	0.00 0.00	0.00 0.03	111111
12	0.00	-1.50	0.00	0.00	0.00	0.00	

STAAD SPACE	-- PAGE NO. 69						
13	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-4.25	-1.21	-1.40	0.00	0.02	111111
14	0.00	-1.50	0.00	0.00	0.00	0.00	
	0.01	1.50	1.19	0.00	-0.00	0.00	000000
15	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.04	-3.69	-0.92	-1.13	0.00	0.05	111111
16	0.00	-1.50	0.00	0.00	0.00	0.00	
	0.04	1.50	0.92	0.00	0.00	-0.00	000000
17	0.00	0.00	0.00	0.00	0.00	0.00	
	0.17	-1.75	-0.55	-0.79	0.00	-0.18	111111
18	0.00	-0.75	0.00	0.00	0.00	0.75	
	-0.17	0.75	0.55	-0.00	0.00	-0.75	000000
19	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.25	-9.22	-1.17	-1.29	0.00	0.28	111111
20	0.00	-1.50	0.00	0.00	0.00	-1.50	
	0.03	1.50	-0.19	0.00	0.00	1.50	000000
21	0.00	0.00	0.00	0.00	0.00	0.00	
	0.03	-17.74	-2.44	-2.54	0.00	-0.03	111111
22	0.00	-1.53	0.00	0.00	0.00	1.50	
	0.02	1.53	0.54	0.00	0.00	-1.50	000000
23	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.12	-17.73	-2.64	-2.74	0.00	0.14	111111
24	0.00	-0.78	0.00	0.00	0.00	-0.37	
	0.01	0.78	0.60	-0.00	0.00	0.37	000000
25	0.00	0.00	0.00	0.00	0.00	0.00	
	0.10	-19.14	-2.50	-2.62	0.00	-0.10	111111
26	0.00	-2.25	0.00	0.00	0.00	-1.12	
	-0.03	2.25	-0.35	0.00	0.00	1.12	000000
27	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.02	-19.77	-2.21	-2.35	0.00	0.03	111111
28	0.00	-3.00	0.00	0.00	0.00	-0.00	
	0.02	3.00	-0.51	0.00	0.00	0.00	000000
29	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-19.98	-2.22	-2.37	0.00	0.01	111111
30	0.00	-3.00	0.00	0.00	0.00	0.00	
	-0.01	3.00	-0.53	0.00	0.00	-0.00	000000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.02	-17.26	-2.31	-2.47	0.00	0.03	111111
32	0.00	-3.00	0.00	0.00	0.00	0.00	
	0.16	3.00	0.22	0.00	0.00	-0.00	000000
33	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.05	-14.90	-3.81	-3.95	0.00	0.06	111111
34	0.00	-3.00	0.00	0.00	0.00	0.00	
	0.05	3.00	3.81	-0.00	-0.00	0.00	000000
35	0.00	0.00	0.00	0.00	0.00	0.00	

STAAD SPACE

-- PAGE NO. 70

66	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	-10.53	3.07	2.81	0.00	-0.01	111111
67	0.00	-1.50	0.00	0.00	0.00	-0.00	
	-0.01	1.50	-0.48	0.00	0.00	0.00	000000
68	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-12.36	2.89	2.63	0.00	0.01	111111
69	0.00	-1.50	0.00	0.00	0.00	0.00	
	0.06	1.50	0.51	0.00	0.00	0.00	000000
70	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-12.30	2.86	2.59	0.00	0.00	111111
71	0.00	-1.50	0.00	0.00	0.00	-0.00	
	0.05	1.50	0.50	-0.00	0.00	0.00	000000
72	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-12.30	2.87	2.58	0.00	-0.00	111111
73	0.00	-1.50	0.00	0.00	0.00	0.00	
	0.04	1.50	0.46	-0.00	0.00	-0.00	000000
74	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-10.50	3.08	2.77	0.00	0.01	111111
75	0.00	-1.50	0.00	0.00	0.00	0.00	
	0.11	1.50	-0.59	0.00	0.00	-0.00	000000
76	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-8.78	5.13	4.75	0.00	0.01	111111
77	0.00	-1.50	0.00	0.00	0.00	0.00	
	0.01	1.50	-5.13	-0.00	-0.00	-0.00	000000
78	0.00	0.00	0.00	0.00	0.00	0.00	
	0.19	-4.25	2.46	2.14	0.00	-0.21	111111
79	0.00	-0.75	0.00	0.00	0.00	0.75	
	-0.19	0.75	-2.46	0.00	-0.00	-0.75	000000
134	0.00	-0.30	0.00	0.00	0.00	-0.30	
	0.14	0.30	0.32	-0.00	-0.00	0.30	000000
135	0.00	-0.60	0.00	0.00	0.00	0.00	
	0.01	0.60	0.79	-0.00	-0.00	-0.00	000000
136	0.00	-0.60	0.00	0.00	0.00	-0.00	
	-0.02	0.60	0.63	0.00	-0.00	0.00	000000
137	0.00	-0.60	0.00	0.00	0.00	0.00	
	0.05	0.60	0.54	-0.00	-0.00	-0.00	000000
138	0.00	-0.60	0.00	0.00	0.00	-0.00	
	0.02	0.60	0.76	0.00	-0.00	0.00	000000
139	0.00	-0.30	0.00	0.00	0.00	0.30	
	-0.05	0.30	0.77	0.00	-0.00	-0.30	000000
143	0.00	-0.22	0.00	0.00	0.00	-0.17	
	0.22	0.22	1.35	0.00	-0.00	0.17	000000
144	0.00	-0.45	0.00	0.00	0.00	-0.26	
	-0.05	0.45	1.91	0.00	-0.00	0.26	000000
145	0.00	-0.90	0.00	0.00	0.00	-0.30	

STAAD SPACE -- PAGE NO. 71

166	0.00	-0.30	0.00	0.00	0.00	0.30	
	-0.10	0.30	-2.62	0.00	-0.00	-0.30	000000
167	0.00	-0.30	0.00	0.00	0.00	-0.30	
	0.01	0.30	-2.59	-0.00	-0.00	0.30	000000
168	0.00	-0.60	0.00	0.00	0.00	0.00	
	-0.05	0.60	-3.40	0.00	-0.00	0.00	000000
169	0.00	-0.60	0.00	0.00	0.00	-0.00	
	-0.05	0.60	-3.36	0.00	-0.00	0.00	000000
170	0.00	-0.60	0.00	0.00	0.00	0.00	
	-0.04	0.60	-3.33	0.00	-0.00	-0.00	000000
171	0.00	-0.30	0.00	0.00	0.00	0.30	
	-0.10	0.30	-2.48	-0.00	-0.00	-0.30	000000

FOR LOADING - 4

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
2	0.00000E+00	-5.40001E-01	0.00000E+00	0.00000E+00	0.00000E+00	-5.40002E-01
4	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.60391E-06
6	0.00000E+00	-5.39999E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.39998E-01
8	0.00000E+00	-5.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-5.40000E-01
10	0.00000E+00	-1.08001E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.81514E-05
12	0.00000E+00	-1.08001E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.81514E-05
14	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	-5.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.40000E-01
20	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.08000E+00
22	0.00000E+00	-1.10250E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07907E+00
24	0.00000E+00	-5.62500E-01	0.00000E+00	0.00000E+00	0.00000E+00	-2.69063E-01
26	0.00000E+00	-1.62000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-8.10000E-01
28	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	-3.63028E-05
30	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.63028E-05
32	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.08000E+00
37	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
53	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.09875E-07
57	0.00000E+00	-2.70000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-5.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-2.70000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
60	0.00000E+00	-5.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-2.70000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-5.40001E-01	0.00000E+00	0.00000E+00	0.00000E+00	-5.40002E-01
65	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.60391E-06
67	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.75800E-06
69	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.39501E-08
71	0.00000E+00	-1.08001E+00	0.00000E+00	0.00000E+00	0.00000E+00	-1.81514E-05
73	0.00000E+00	-1.08001E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.81514E-05
75	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
77	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	0.00000E+00	-5.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.40000E-01
80	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	0.00000E+00	-1.10173E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
82	0.00000E+00	-1.10173E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
86	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
90	0.00000E+00	-1.10201E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
92	0.00000E+00	-1.10201E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-1.10201E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
97	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
100	0.00000E+00	-1.10201E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
101	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
102	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
106	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
107	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
112	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
116	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-2.16002E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
122	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-2.16000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-1.08000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-2.10000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-2.10001E-01
135	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.42838E-06
136	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-7.03201E-07
137	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.19750E-08
138	0.00000E+00	-4.20004E-01	0.00000E+00	0.00000E+00	0.00000E+00	-7.05399E-06
139	0.00000E+00	-2.10004E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.10007E-01
143	0.00000E+00	-1.57500E-01	0.00000E+00	0.00000E+00	0.00000E+00	-1.18125E-01
144	0.00000E+00	-3.15000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-1.83749E-01
145	0.00000E+00	-6.30000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-2.10001E-01
146	0.00000E+00	-8.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.39501E-08
147	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	-1.41080E-05
148	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.41080E-05
149	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.20000E-01
150	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
151	0.00000E+00	-4.19999E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
152	0.00000E+00	-8.39999E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
153	0.00000E+00	-8.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
154	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
155	0.00000E+00	-4.20007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
157	0.00000E+00	-1.18875E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
158	0.00000E+00	-4.19999E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
159	0.00000E+00	-8.39999E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
160	0.00000E+00	-8.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
161	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
162	0.00000E+00	-4.20007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
165	0.00000E+00	-2.10000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-2.10001E-01
166	0.00000E+00	-2.10000E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.10001E-01
167	0.00000E+00	-2.10000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-2.10000E-01
168	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.19750E-08
169	0.00000E+00	-4.20004E-01	0.00000E+00	0.00000E+00	0.00000E+00	-7.05399E-06
170	0.00000E+00	-4.20004E-01	0.00000E+00	0.00000E+00	0.00000E+00	7.05399E-06
171	0.00000E+00	-2.10000E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.10000E-01
173	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
174	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
175	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
176	0.00000E+00	-8.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
177	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
178	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
179	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
181	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
182	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
183	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
184	0.00000E+00	-8.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
185	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
186	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
187	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
189	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
190	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
191	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
192	0.00000E+00	-8.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
193	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
194	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
195	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
197	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
198	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
199	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
200	0.00000E+00	-8.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
201	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
202	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
203	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
205	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
206	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
207	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
208	0.00000E+00	-8.40000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
209	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
210	0.00000E+00	-8.40007E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
211	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
213	0.00000E+00	-4.20001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
214	0.00000E+00	-8.26539E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
226	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
228	0.00000E+00	-6.97500E-01	0.00000E+00	-6.00024E-02	0.00000E+00	4.59375E-02
229	0.00000E+00	-6.97500E-01	0.00000E+00	-6.00024E-02	0.00000E+00	-4.59375E-02
230	0.00000E+00	-6.97498E-01	0.00000E+00	6.00011E-02	0.00000E+00	4.59375E-02
231	0.00000E+00	-6.97498E-01	0.00000E+00	6.00011E-02	0.00000E+00	-4.59375E-02
232	0.00000E+00	-3.60001E-01	0.00000E+00	6.00006E-02	0.00000E+00	-4.50000E-02
233	0.00000E+00	-3.60494E-01	0.00000E+00	-6.00006E-02	0.00000E+00	-4.58142E-02
234	0.00000E+00	-6.97501E-01	0.00000E+00	1.20001E-01	0.00000E+00	-1.40619E-02
235	0.00000E+00	-6.97501E-01	0.00000E+00	1.20001E-01	0.00000E+00	1.40620E-02
236	0.00000E+00	-3.60494E-01	0.00000E+00	-6.00006E-02	0.00000E+00	4.58142E-02
237	0.00000E+00	-3.60001E-01	0.00000E+00	6.00006E-02	0.00000E+00	4.50000E-02
238	0.00000E+00	-6.97499E-01	0.00000E+00	-1.20000E-01	0.00000E+00	-1.40619E-02
239	0.00000E+00	-6.97499E-01	0.00000E+00	-1.20000E-01	0.00000E+00	1.40620E-02
240	0.00000E+00	-3.60493E-01	0.00000E+00	6.00000E-02	0.00000E+00	-4.58142E-02
241	0.00000E+00	-3.60772E-01	0.00000E+00	-6.00000E-02	0.00000E+00	-4.57446E-02
242	0.00000E+00	-3.60772E-01	0.00000E+00	-6.00000E-02	0.00000E+00	4.57445E-02
243	0.00000E+00	-3.60493E-01	0.00000E+00	6.00000E-02	0.00000E+00	4.58142E-02
245	0.00000E+00	-2.62501E-01	0.00000E+00	0.00000E+00	0.00000E+00	9.18746E-02
246	0.00000E+00	-3.23473E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.40294E-01
247	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
248	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
249	0.00000E+00	-4.20000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
250	0.00000E+00	-8.26539E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
251	0.00000E+00	-1.27348E-01	0.00000E+00	0.00000E+00	0.00000E+00	-3.35204E-02
254	0.00000E+00	-2.70000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 4
 LOADTYPE DEAD TITLE CV INST

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.231498447E+02
 Y = 0.380295192E+01
 Z = 0.907819586E+01

***TOTAL APPLIED LOAD (MTON METE) SUMMARY (LOADING 4)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -191.76
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 1740.84 MY= 0.00 MZ= -4439.23

***TOTAL REACTION LOAD(MTON METE) SUMMARY (LOADING 4)

SUMMATION FORCE-X = -0.00
 SUMMATION FORCE-Y = 191.76
 SUMMATION FORCE-Z = -0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -1740.84 MY= -0.00 MZ= 4439.23

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 4)

MAXIMUMS AT NODE

X = 8.78870E-03 171
 Y = -8.59367E-01 239
 Z = -3.94486E-02 248
 RX= -1.72707E-03 123
 RY= 7.23566E-06 155
 RZ= -1.23929E-03 241

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (MTON METE)-

JT	EXT FX/	EXT FY/	EXT FZ/	EXT MX/	EXT MY/	EXT MZ/	
	INT FX	INT FY	INT FZ	INT MX	INT MY	INT MZ	
							SUPPORT=1
1	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.09	-2.02	-0.28	-0.38	0.00	0.10	111111
3	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-4.26	-0.42	-0.53	0.00	0.01	111111
4	0.00	-1.08	0.00	0.00	0.00	0.00	
	-0.00	1.08	-0.14	-0.00	0.00	-0.00	000000
5	0.00	0.00	0.00	0.00	0.00	0.00	
	0.03	-2.88	-0.21	-0.33	0.00	-0.03	111111
6	0.00	-0.54	0.00	0.00	0.00	0.54	
	-0.02	0.54	-0.24	-0.00	0.00	-0.54	000000
7	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.05	-2.65	-0.18	-0.31	0.00	0.06	111111
8	0.00	-0.54	0.00	0.00	0.00	-0.54	
	0.01	0.54	-0.21	-0.00	0.00	0.54	000000

STAAD SPACE -- PAGE NO. 76

9	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-4.08	-0.44	-0.58	0.00	0.01	111111
11	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-3.75	-0.44	-0.59	0.00	0.02	111111
12	0.00	-1.08	0.00	0.00	0.00	0.00	
	0.05	1.08	-0.10	0.00	0.00	-0.00	000000
13	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-3.05	-0.87	-1.01	0.00	0.01	111111
14	0.00	-1.08	0.00	0.00	0.00	0.00	
	0.00	1.08	0.85	0.00	-0.00	0.00	000000
15	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.03	-2.65	-0.66	-0.82	0.00	0.04	111111
16	0.00	-1.08	0.00	0.00	0.00	0.00	
	0.03	1.08	0.66	0.00	0.00	-0.00	000000
17	0.00	0.00	0.00	0.00	0.00	0.00	
	0.12	-1.26	-0.40	-0.57	0.00	-0.13	111111
18	0.00	-0.54	0.00	0.00	0.00	0.54	
	-0.12	0.54	0.40	0.00	0.00	-0.54	000000
19	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.18	-6.60	-0.84	-0.93	0.00	0.21	111111
20	0.00	-1.08	0.00	0.00	0.00	-1.08	
	0.03	1.08	-0.12	0.00	0.00	1.08	000000
21	0.00	0.00	0.00	0.00	0.00	0.00	
	0.03	-12.70	-1.76	-1.83	0.00	-0.02	111111
22	0.00	-1.10	0.00	0.00	0.00	1.08	
	0.01	1.10	0.40	0.00	0.00	-1.08	000000
23	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.09	-12.69	-1.90	-1.98	0.00	0.10	111111
24	0.00	-0.56	0.00	0.00	0.00	-0.27	
	0.01	0.56	0.44	0.00	0.00	0.27	000000
25	0.00	0.00	0.00	0.00	0.00	0.00	
	0.07	-13.67	-1.80	-1.89	0.00	-0.07	111111
26	0.00	-1.62	0.00	0.00	0.00	-0.81	
	-0.02	1.62	-0.22	-0.00	0.00	0.81	000000
27	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.02	-14.12	-1.60	-1.70	0.00	0.02	111111
28	0.00	-2.16	0.00	0.00	0.00	-0.00	
	0.02	2.16	-0.33	0.00	0.00	0.00	000000
29	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-14.27	-1.60	-1.71	0.00	0.00	111111
30	0.00	-2.16	0.00	0.00	0.00	0.00	
	-0.00	2.16	-0.35	0.00	0.00	-0.00	000000
31	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-12.37	-1.67	-1.79	0.00	0.02	111111
32	0.00	-2.16	0.00	0.00	0.00	0.00	

STAAD SPACE						-- PAGE NO. 77	
63	0.00	-0.54	0.00	0.00	0.00	-0.54	
	0.01	0.54	0.26	0.00	0.00	0.54	000000
64	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-7.59	2.19	2.01	0.00	0.00	111111
65	0.00	-1.08	0.00	0.00	0.00	0.00	
	0.08	1.08	-0.32	0.00	0.00	-0.00	000000
66	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	-7.55	2.21	2.03	0.00	-0.00	111111
67	0.00	-1.08	0.00	0.00	0.00	-0.00	
	-0.00	1.08	-0.36	0.00	0.00	0.00	000000
68	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-8.83	2.09	1.90	0.00	0.00	111111
69	0.00	-1.08	0.00	0.00	0.00	0.00	
	0.04	1.08	0.33	0.00	0.00	-0.00	000000
70	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-8.79	2.07	1.87	0.00	0.00	111111
71	0.00	-1.08	0.00	0.00	0.00	-0.00	
	0.04	1.08	0.32	0.00	0.00	0.00	000000
72	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-8.79	2.07	1.87	0.00	-0.00	111111
73	0.00	-1.08	0.00	0.00	0.00	0.00	
	0.03	1.08	0.29	-0.00	0.00	-0.00	000000
74	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-7.52	2.22	2.00	0.00	0.01	111111
75	0.00	-1.08	0.00	0.00	0.00	0.00	
	0.08	1.08	-0.44	-0.00	0.00	0.00	000000
76	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-6.32	3.69	3.42	0.00	0.01	111111
77	0.00	-1.08	0.00	0.00	0.00	0.00	
	0.01	1.08	-3.69	-0.00	-0.00	0.00	000000
78	0.00	0.00	0.00	0.00	0.00	0.00	
	0.14	-3.06	1.77	1.54	0.00	-0.15	111111
79	0.00	-0.54	0.00	0.00	0.00	0.54	
	-0.14	0.54	-1.77	0.00	-0.00	-0.54	000000
134	0.00	-0.21	0.00	0.00	0.00	-0.21	
	0.10	0.21	0.23	-0.00	-0.00	0.21	000000
135	0.00	-0.42	0.00	0.00	0.00	0.00	
	0.00	0.42	0.56	0.00	-0.00	-0.00	000000
136	0.00	-0.42	0.00	0.00	0.00	-0.00	
	-0.01	0.42	0.45	-0.00	-0.00	0.00	000000
137	0.00	-0.42	0.00	0.00	0.00	0.00	
	0.03	0.42	0.38	0.00	-0.00	-0.00	000000
138	0.00	-0.42	0.00	0.00	0.00	-0.00	
	0.02	0.42	0.54	0.00	-0.00	0.00	000000
139	0.00	-0.21	0.00	0.00	0.00	0.21	

STAAD SPACE -- PAGE NO. 78

148	0.00	-0.84	0.00	0.00	0.00	0.00	
	0.00	0.84	1.95	-0.00	-0.00	-0.00	000000
149	0.00	-0.42	0.00	0.00	0.00	0.42	
	-0.10	0.42	1.49	-0.00	-0.00	-0.42	000000
165	0.00	-0.21	0.00	0.00	0.00	-0.21	
	0.08	0.21	-1.24	0.00	-0.00	0.21	000000
166	0.00	-0.21	0.00	0.00	0.00	0.21	
	-0.07	0.21	-1.87	0.00	-0.00	-0.21	000000
167	0.00	-0.21	0.00	0.00	0.00	-0.21	
	0.00	0.21	-1.85	0.00	-0.00	0.21	000000
168	0.00	-0.42	0.00	0.00	0.00	0.00	
	-0.04	0.42	-2.42	0.00	-0.00	-0.00	000000
169	0.00	-0.42	0.00	0.00	0.00	-0.00	
	-0.03	0.42	-2.39	0.00	-0.00	0.00	000000
170	0.00	-0.42	0.00	0.00	0.00	0.00	
	-0.03	0.42	-2.37	-0.00	-0.00	-0.00	000000
171	0.00	-0.21	0.00	0.00	0.00	0.21	
	-0.07	0.21	-1.77	-0.00	-0.00	-0.21	000000

FOR LOADING - 5

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
2	0.00000E+00	-3.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	-3.00001E-01
4	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.02170E-06
6	0.00000E+00	-3.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.99999E-01
8	0.00000E+00	-3.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-3.00000E-01
10	0.00000E+00	-6.00005E-01	0.00000E+00	0.00000E+00	0.00000E+00	-1.00646E-05
12	0.00000E+00	-6.00005E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.00646E-05
14	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
16	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
18	0.00000E+00	-3.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.00000E-01
20	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	-6.00002E-01
22	0.00000E+00	-6.12501E-01	0.00000E+00	0.00000E+00	0.00000E+00	5.99481E-01
24	0.00000E+00	-3.12500E-01	0.00000E+00	0.00000E+00	0.00000E+00	-1.49479E-01
26	0.00000E+00	-9.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-4.50000E-01
28	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	-2.01291E-05
30	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.01291E-05
32	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
34	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
36	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	6.00000E-01
37	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
38	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
39	0.00000E+00	-5.99999E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
40	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
41	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
42	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
43	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
44	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
45	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
46	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
47	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
48	0.00000E+00	-5.99999E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
49	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
50	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
51	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
52	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
53	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
54	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
56	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.39501E-08
57	0.00000E+00	-1.50000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
58	0.00000E+00	-3.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
59	0.00000E+00	-1.50000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
60	0.00000E+00	-3.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
61	0.00000E+00	-1.50000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
63	0.00000E+00	-3.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	-3.00001E-01
65	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	2.02170E-06
67	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-9.88877E-07
69	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
71	0.00000E+00	-6.00005E-01	0.00000E+00	0.00000E+00	0.00000E+00	-1.00646E-05
73	0.00000E+00	-6.00005E-01	0.00000E+00	0.00000E+00	0.00000E+00	1.00646E-05
75	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
77	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
79	0.00000E+00	-3.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.00000E-01
80	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
81	0.00000E+00	-6.12072E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
82	0.00000E+00	-6.12071E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
83	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
84	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
85	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
86	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
87	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
88	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
89	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
90	0.00000E+00	-6.12227E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
91	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
92	0.00000E+00	-6.12227E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
93	0.00000E+00	-6.12226E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
94	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
95	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
96	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
97	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
98	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
99	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
100	0.00000E+00	-6.12226E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
101	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
102	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
103	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
104	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
105	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
106	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
107	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
108	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
109	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
110	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
111	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
112	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
113	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
114	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
115	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
116	0.00000E+00	-6.00001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
117	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
118	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
119	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
120	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
121	0.00000E+00	-1.20001E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
122	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
123	0.00000E+00	-1.20000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
124	0.00000E+00	-6.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
134	0.00000E+00	-4.50001E-02	0.00000E+00	0.00000E+00	0.00000E+00	-4.50002E-02
135	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	2.99410E-07
136	0.00000E+00	-8.99999E-02	0.00000E+00	0.00000E+00	0.00000E+00	-1.45585E-07
137	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
138	0.00000E+00	-9.00008E-02	0.00000E+00	0.00000E+00	0.00000E+00	-1.50804E-06
139	0.00000E+00	-4.50008E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.50015E-02
143	0.00000E+00	-3.37500E-02	0.00000E+00	0.00000E+00	0.00000E+00	-2.53125E-02
144	0.00000E+00	-6.75001E-02	0.00000E+00	0.00000E+00	0.00000E+00	-3.93748E-02
145	0.00000E+00	-1.35000E-01	0.00000E+00	0.00000E+00	0.00000E+00	-4.50001E-02
146	0.00000E+00	-1.80000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
147	0.00000E+00	-1.80002E-01	0.00000E+00	0.00000E+00	0.00000E+00	-3.01607E-06
148	0.00000E+00	-1.80001E-01	0.00000E+00	0.00000E+00	0.00000E+00	3.01607E-06
149	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	9.00000E-02
150	0.00000E+00	-9.00001E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
151	0.00000E+00	-8.99999E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
152	0.00000E+00	-1.80000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
153	0.00000E+00	-1.80000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
154	0.00000E+00	-1.80002E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
155	0.00000E+00	-9.00015E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
157	0.00000E+00	-2.54731E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
158	0.00000E+00	-8.99999E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
159	0.00000E+00	-1.80000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
160	0.00000E+00	-1.80000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
161	0.00000E+00	-1.80002E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
162	0.00000E+00	-9.00015E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
165	0.00000E+00	-4.50001E-02	0.00000E+00	0.00000E+00	0.00000E+00	-4.50002E-02
166	0.00000E+00	-4.50001E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.50002E-02
167	0.00000E+00	-4.50000E-02	0.00000E+00	0.00000E+00	0.00000E+00	-4.50000E-02
168	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
169	0.00000E+00	-9.00008E-02	0.00000E+00	0.00000E+00	0.00000E+00	-1.50804E-06
170	0.00000E+00	-9.00007E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.50804E-06
171	0.00000E+00	-4.50000E-02	0.00000E+00	0.00000E+00	0.00000E+00	4.50000E-02
173	0.00000E+00	-9.00001E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
174	0.00000E+00	-9.00002E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
175	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
176	0.00000E+00	-1.80000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
177	0.00000E+00	-1.80002E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
178	0.00000E+00	-1.80001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
179	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
181	0.00000E+00	-9.00001E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
182	0.00000E+00	-9.00002E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
183	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
184	0.00000E+00	-1.80000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
185	0.00000E+00	-1.80002E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
186	0.00000E+00	-1.80001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
187	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
189	0.00000E+00	-9.00001E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
190	0.00000E+00	-9.00002E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
191	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
192	0.00000E+00	-1.80000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
193	0.00000E+00	-1.80002E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
194	0.00000E+00	-1.80001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
195	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
197	0.00000E+00	-9.00001E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
198	0.00000E+00	-9.00002E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
199	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
200	0.00000E+00	-1.80000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
201	0.00000E+00	-1.80002E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
202	0.00000E+00	-1.80001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
203	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
205	0.00000E+00	-9.00001E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
206	0.00000E+00	-9.00002E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
207	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
208	0.00000E+00	-1.80000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
209	0.00000E+00	-1.80002E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
210	0.00000E+00	-1.80001E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
211	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
213	0.00000E+00	-9.00002E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
214	0.00000E+00	-1.77115E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
226	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
228	0.00000E+00	-3.87500E-01	0.00000E+00	-3.33347E-02	0.00000E+00	2.55208E-02
229	0.00000E+00	-3.87500E-01	0.00000E+00	-3.33347E-02	0.00000E+00	-2.55208E-02
230	0.00000E+00	-3.87499E-01	0.00000E+00	3.33340E-02	0.00000E+00	2.55208E-02
231	0.00000E+00	-3.87499E-01	0.00000E+00	3.33340E-02	0.00000E+00	-2.55208E-02
232	0.00000E+00	-2.00000E-01	0.00000E+00	3.33337E-02	0.00000E+00	-2.50000E-02
233	0.00000E+00	-2.00274E-01	0.00000E+00	-3.33337E-02	0.00000E+00	-2.54523E-02
234	0.00000E+00	-3.87501E-01	0.00000E+00	6.66673E-02	0.00000E+00	-7.81217E-03
235	0.00000E+00	-3.87500E-01	0.00000E+00	6.66673E-02	0.00000E+00	7.81220E-03
236	0.00000E+00	-2.00274E-01	0.00000E+00	-3.33337E-02	0.00000E+00	2.54523E-02
237	0.00000E+00	-2.00000E-01	0.00000E+00	3.33337E-02	0.00000E+00	2.50000E-02
238	0.00000E+00	-3.87499E-01	0.00000E+00	-6.66666E-02	0.00000E+00	-7.81217E-03
239	0.00000E+00	-3.87499E-01	0.00000E+00	-6.66666E-02	0.00000E+00	7.81220E-03
240	0.00000E+00	-2.00274E-01	0.00000E+00	3.33333E-02	0.00000E+00	-2.54523E-02
241	0.00000E+00	-2.00429E-01	0.00000E+00	-3.33333E-02	0.00000E+00	-2.54136E-02
242	0.00000E+00	-2.00429E-01	0.00000E+00	-3.33333E-02	0.00000E+00	2.54136E-02
243	0.00000E+00	-2.00274E-01	0.00000E+00	3.33333E-02	0.00000E+00	2.54523E-02
245	0.00000E+00	-5.62501E-02	0.00000E+00	0.00000E+00	0.00000E+00	1.96874E-02
246	0.00000E+00	-6.93156E-02	0.00000E+00	0.00000E+00	0.00000E+00	3.00629E-02
247	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
248	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
249	0.00000E+00	-9.00000E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
250	0.00000E+00	-1.77115E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
251	0.00000E+00	-2.72888E-02	0.00000E+00	0.00000E+00	0.00000E+00	-7.18295E-03
254	0.00000E+00	-1.50000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 5
 LOADTYPE DEAD TITLE CV MED

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.237256284E+02
 Y = 0.335455590E+01
 Z = 0.912601967E+01

***TOTAL APPLIED LOAD (MTON METE) SUMMARY (LOADING 5)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -93.06
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 849.27 MY= 0.00 MZ= -2207.91

***TOTAL REACTION LOAD(MTON METE) SUMMARY (LOADING 5)

SUMMATION FORCE-X = -0.00
 SUMMATION FORCE-Y = 93.06
 SUMMATION FORCE-Z = -0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -849.27 MY= -0.00 MZ= 2207.91

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 5)

MAXIMUMS AT NODE
 X = 4.24173E-03 165
 Y = -4.79969E-01 239
 Z = -1.89811E-02 248
 RX= -9.59554E-04 123
 RY= 3.20382E-06 155
 RZ= -6.89319E-04 241

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (MTON METE)-

JT	EXT FX/	EXT FY/	EXT FZ/	EXT MX/	EXT MY/	EXT MZ/	
	INT FX	INT FY	INT FZ	INT MX	INT MY	INT MZ	
							SUPPORT=1
1	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.05	-0.93	-0.16	-0.22	0.00	0.06	111111
3	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-1.92	-0.26	-0.32	0.00	0.01	111111
5	0.00	0.00	0.00	0.00	0.00	0.00	
	0.02	-1.20	-0.14	-0.21	0.00	-0.02	111111
7	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.03	-1.10	-0.11	-0.19	0.00	0.03	111111
9	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-1.89	-0.26	-0.34	0.00	0.01	111111
11	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-1.82	-0.26	-0.34	0.00	0.01	111111
13	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-1.61	-0.46	-0.54	0.00	0.01	111111

STAAD SPACE							-- PAGE NO. 83	
14	0.00	-0.60	0.00	0.00	0.00	0.00		
	0.00	0.60	0.45	-0.00	-0.00	0.00	000000	
15	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.02	-1.47	-0.37	-0.46	0.00	0.02	111111	
16	0.00	-0.60	0.00	0.00	0.00	0.00		
	0.02	0.60	0.37	0.00	0.00	0.00	000000	
17	0.00	0.00	0.00	0.00	0.00	0.00		
	0.07	-0.70	-0.22	-0.32	0.00	-0.07	111111	
18	0.00	-0.30	0.00	0.00	0.00	0.30		
	-0.07	0.30	0.22	-0.00	0.00	-0.30	000000	
19	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.11	-3.12	-0.51	-0.55	0.00	0.12	111111	
20	0.00	-0.60	0.00	0.00	0.00	-0.60		
	0.04	0.60	0.12	-0.00	0.00	0.60	000000	
21	0.00	0.00	0.00	0.00	0.00	0.00		
	0.02	-6.20	-1.01	-1.05	0.00	-0.02	111111	
22	0.00	-0.61	0.00	0.00	0.00	0.60		
	-0.00	0.61	0.36	0.00	0.00	-0.60	000000	
23	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.05	-6.14	-1.08	-1.13	0.00	0.06	111111	
24	0.00	-0.31	0.00	0.00	0.00	-0.15		
	0.02	0.31	0.38	-0.00	0.00	0.15	000000	
25	0.00	0.00	0.00	0.00	0.00	0.00		
	0.04	-6.21	-1.07	-1.12	0.00	-0.04	111111	
26	0.00	-0.90	0.00	0.00	0.00	-0.45		
	-0.01	0.90	0.24	-0.00	0.00	0.45	000000	
27	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.01	-6.47	-0.96	-1.02	0.00	0.01	111111	
28	0.00	-1.20	0.00	0.00	0.00	-0.00		
	0.01	1.20	0.18	0.00	0.00	0.00	000000	
29	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.00	-6.51	-0.96	-1.02	0.00	0.00	111111	
30	0.00	-1.20	0.00	0.00	0.00	0.00		
	0.00	1.20	0.17	-0.00	0.00	-0.00	000000	
31	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.00	-6.16	-0.97	-1.04	0.00	0.01	111111	
32	0.00	-1.20	0.00	0.00	0.00	0.00		
	0.03	1.20	0.30	-0.00	0.00	-0.00	000000	
33	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.02	-5.95	-1.53	-1.58	0.00	0.03	111111	
34	0.00	-1.20	0.00	0.00	0.00	0.00		
	0.02	1.20	1.53	0.00	-0.00	0.00	000000	
35	0.00	0.00	0.00	0.00	0.00	0.00		
	0.14	-2.88	-0.82	-0.90	0.00	-0.16	111111	
36	0.00	-0.60	0.00	0.00	0.00	0.60		

STAAD SPACE							-- PAGE NO. 84	
68	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.00	-4.07	1.25	1.14	0.00	0.00	111111	
69	0.00	-0.60	0.00	0.00	0.00	0.00		
	0.02	0.60	-0.28	0.00	0.00	-0.00	000000	
70	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.00	-4.05	1.24	1.12	0.00	-0.00	111111	
71	0.00	-0.60	0.00	0.00	0.00	-0.00		
	0.02	0.60	-0.28	-0.00	0.00	0.00	000000	
72	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.00	-4.05	1.24	1.12	0.00	-0.00	111111	
73	0.00	-0.60	0.00	0.00	0.00	0.00		
	0.02	0.60	-0.29	0.00	0.00	-0.00	000000	
74	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.00	-3.77	1.27	1.14	0.00	-0.00	111111	
75	0.00	-0.60	0.00	0.00	0.00	0.00		
	0.02	0.60	-0.46	-0.00	0.00	0.00	000000	
76	0.00	0.00	0.00	0.00	0.00	0.00		
	-0.01	-3.51	2.05	1.90	0.00	0.00	111111	
77	0.00	-0.60	0.00	0.00	0.00	0.00		
	0.01	0.60	-2.05	-0.00	-0.00	-0.00	000000	
78	0.00	0.00	0.00	0.00	0.00	0.00		
	0.08	-1.70	0.98	0.85	0.00	-0.09	111111	
79	0.00	-0.30	0.00	0.00	0.00	0.30		
	-0.08	0.30	-0.98	0.00	-0.00	-0.30	000000	
135	0.00	-0.09	0.00	0.00	0.00	0.00		
	0.00	0.09	0.22	0.00	-0.00	-0.00	000000	
136	0.00	-0.09	0.00	0.00	0.00	-0.00		
	-0.01	0.09	0.16	-0.00	-0.00	0.00	000000	
137	0.00	-0.09	0.00	0.00	0.00	0.00		
	0.02	0.09	0.14	0.00	-0.00	-0.00	000000	
138	0.00	-0.09	0.00	0.00	0.00	-0.00		
	0.00	0.09	0.22	-0.00	-0.00	0.00	000000	
139	0.00	-0.05	0.00	0.00	0.00	0.05		
	-0.01	0.05	0.23	0.00	-0.00	-0.05	000000	
143	0.00	-0.03	0.00	0.00	0.00	-0.03		
	0.07	0.03	0.38	0.00	-0.00	0.03	000000	
144	0.00	-0.07	0.00	0.00	0.00	-0.04		
	-0.01	0.07	0.65	-0.00	-0.00	0.04	000000	
145	0.00	-0.13	0.00	0.00	0.00	-0.05		
	0.03	0.13	0.70	0.00	-0.00	0.05	000000	
146	0.00	-0.18	0.00	0.00	0.00	0.00		
	-0.03	0.18	0.83	0.00	-0.00	-0.00	000000	
147	0.00	-0.18	0.00	0.00	0.00	-0.00		
	-0.00	0.18	0.78	0.00	-0.00	0.00	000000	
148	0.00	-0.18	0.00	0.00	0.00	0.00		

STAAD SPACE -- PAGE NO. 85

169	0.00	-0.09	0.00	0.00	0.00	-0.00	
	-0.02	0.09	-0.96	0.00	-0.00	0.00	000000
170	0.00	-0.09	0.00	0.00	0.00	0.00	
	-0.02	0.09	-0.95	-0.00	-0.00	-0.00	000000
171	0.00	-0.04	0.00	0.00	0.00	0.04	
	-0.02	0.04	-0.81	-0.00	-0.00	-0.04	000000

FOR LOADING - 6
 APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
146	0.00000E+00	-3.28917E-01	0.00000E+00	0.00000E+00	0.00000E+00	-4.36460E-01
147	0.00000E+00	-6.11083E-01	0.00000E+00	0.00000E+00	0.00000E+00	4.83956E-01
160	0.00000E+00	-1.79167E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
161	0.00000E+00	-3.20833E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 6
 LOADTYPE DEAD TITLE EQUIPOS

CENTER OF FORCE BASED ON Y FORCES ONLY (METER).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.218500004E+02
 Y = 0.690000976E+01
 Z = 0.530556567E+01

***TOTAL APPLIED LOAD (MTON METE) SUMMARY (LOADING 6)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -1.44
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= 7.64 MY= 0.00 MZ= -31.46

***TOTAL REACTION LOAD(MTON METE) SUMMARY (LOADING 6)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 1.44
 SUMMATION FORCE-Z = -0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-
 MX= -7.64 MY= 0.00 MZ= 31.46

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 6)

MAXIMUMS AT NODE
 X = -9.02347E-05 139
 Y = -1.27481E-02 161
 Z = -5.51032E-05 149
 RX= 4.33255E-05 154
 RY= 8.34722E-09 155
 RZ= 7.56601E-05 147

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (MTON METE)-

JT	EXT FX/	EXT FY/	EXT FZ/	EXT MX/	EXT MY/	EXT MZ/	
	INT FX	INT FY	INT FZ	INT MX	INT MY	INT MZ	
							SUPPORT=1
25	0.00	0.00	0.00	0.00	0.00	0.00	
	0.01	-0.49	-0.01	-0.01	-0.00	-0.02	111111
27	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	-0.87	-0.01	-0.01	-0.00	0.02	111111

FOR LOADING - 7

APPLIED JOINT EQUIVALENT LOADS

JOINT	FORCE-X	FORCE-Y	FORCE-Z	MOM-X	MOM-Y	MOM-Z
228	0.00000E+00	-2.17499E+00	0.00000E+00	7.87488E-01	0.00000E+00	0.00000E+00
229	0.00000E+00	-2.17499E+00	0.00000E+00	7.87488E-01	0.00000E+00	0.00000E+00
230	0.00000E+00	-2.17498E+00	0.00000E+00	-7.87484E-01	0.00000E+00	0.00000E+00
231	0.00000E+00	-2.17498E+00	0.00000E+00	-7.87484E-01	0.00000E+00	0.00000E+00

STATIC LOAD/REACTION/EQUILIBRIUM SUMMARY FOR CASE NO. 7

LOADTYPE DEAD TITLE ARRIATE

CENTER OF FORCE BASED ON Y FORCES ONLY (METE).
 (FORCES IN NON-GLOBAL DIRECTIONS WILL INVALIDATE RESULTS)

X = 0.900000519E+01
 Y = 0.300001006E+01
 Z = 0.900000854E+01

***TOTAL APPLIED LOAD (MTON METE) SUMMARY (LOADING 7)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = -8.70
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= 78.30 MY= 0.00 MZ= -78.30

***TOTAL REACTION LOAD(MTON METE) SUMMARY (LOADING 7)

SUMMATION FORCE-X = 0.00
 SUMMATION FORCE-Y = 8.70
 SUMMATION FORCE-Z = 0.00

SUMMATION OF MOMENTS AROUND THE ORIGIN-

MX= -78.30 MY= -0.00 MZ= 78.30

MAXIMUM DISPLACEMENTS (CM /RADIANS) (LOADING 7)
 MAXIMUMS AT NODE
 X = 4.73667E-03 171
 Y = -3.81841E-01 230
 Z = 1.94134E-02 205
 RX= 1.42733E-03 234
 RY= 4.83024E-06 213
 RZ= 9.09434E-04 236

EXTERNAL AND INTERNAL JOINT LOAD SUMMARY (MTON METE)-

JT	EXT FX/	EXT FY/	EXT FZ/	EXT MX/	EXT MY/	EXT MZ/	
	INT FX	INT FY	INT FZ	INT MX	INT MY	INT MZ	
							SUPPORT=1
1	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	0.05	0.06	0.16	0.00	0.01	111111
3	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	0.22	0.14	0.23	0.00	0.02	111111
5	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	0.21	0.14	0.21	0.00	0.02	111111
19	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-0.02	0.08	0.18	0.00	0.00	111111
21	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.03	-3.72	-1.01	-0.89	0.00	0.03	111111
22	0.00	0.00	0.00	0.00	0.00	0.00	
	0.01	0.00	0.43	0.00	0.00	0.00	000000
23	0.00	0.00	0.00	0.00	0.00	0.00	
	0.03	-3.71	-1.02	-0.92	0.00	-0.03	111111
24	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.01	0.00	0.43	-0.00	0.00	-0.00	000000
25	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.00	-0.01	0.05	0.11	0.00	0.00	111111
62	0.00	0.00	0.00	0.00	0.00	0.00	
	0.01	-0.03	0.06	0.17	0.00	-0.02	111111
64	0.00	0.00	0.00	0.00	0.00	0.00	
	0.01	-0.85	0.64	0.71	0.00	-0.02	111111
65	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	-0.00	-0.29	0.00	0.00	-0.00	000000
66	0.00	0.00	0.00	0.00	0.00	0.00	
	0.01	-0.84	0.63	0.69	0.00	-0.02	111111
67	0.00	0.00	0.00	0.00	0.00	0.00	
	0.00	-0.00	-0.29	-0.00	0.00	-0.00	000000
144	0.00	0.00	0.00	0.00	0.00	0.00	
	0.02	0.00	0.58	-0.00	-0.00	0.00	000000
145	0.00	0.00	0.00	0.00	0.00	0.00	
	-0.02	-0.00	0.59	-0.00	-0.00	-0.00	000000
166	0.00	0.00	0.00	0.00	0.00	0.00	

LOADING- 1. 2. 3. 6. 7.
 FACTOR - 1.00 1.00 1.00 1.00 1.00

LOAD COMBINATION NO. 11
 1.0 (PP+CM+EQ+CVINST+ARR + SX+ 0.3 SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.00 1.00 1.00 1.00 1.00 1.00 0.30

LOAD COMBINATION NO. 12
 1.0 (PP+CM+EQ+CVINST+ARR + SX- 0.3 SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.00 1.00 1.00 1.00 1.00 1.00 -0.30

LOAD COMBINATION NO. 13
 1.0 (PP+CM+EQ+CVINST+ARR - SX+ 0.3 SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.00 1.00 1.00 1.00 1.00 -1.00 0.30

LOAD COMBINATION NO. 14
 1.0 (PP+CM+EQ+CVINST+ARR - SX- 0.3 SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.00 1.00 1.00 1.00 1.00 -1.00 -0.30

LOAD COMBINATION NO. 15
 1.0 (PP+CM+EQ+CVINST+ARR + 0.3 SX+ SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.00 1.00 1.00 1.00 1.00 0.30 1.00

LOAD COMBINATION NO. 16
 1.0 (PP+CM+EQ+CVINST+ARR + 0.3 SX- SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.00 1.00 1.00 1.00 1.00 0.30 -1.00

LOAD COMBINATION NO. 17
 1.0 (PP+CM+EQ+CVINST+ARR - 0.3 SX+ SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.00 1.00 1.00 1.00 1.00 -0.30 1.00

LOAD COMBINATION NO. 18
 1.0 (PP+CM+EQ+CVINST+ARR - 0.3 SX- SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.00 1.00 1.00 1.00 1.00 -0.30 -1.00

LOAD COMBINATION NO. 19
 1.0 (PP+CM+EQ+CVINST+ARR)

LOADING- 1. 2. 4. 6. 7.
 FACTOR - 1.00 1.00 1.00 1.00 1.00

LOAD COMBINATION NO. 20
 1.4 (PP+CM+EQ+CVMAX+ARR)

LOADING- 1. 2. 3. 6. 7.
 FACTOR - 1.40 1.40 1.40 1.40 1.40

LOAD COMBINATION NO. 21
 1.1 (PP+CM+EQ+CVINST + SX+ 0.33 SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.10 1.10 1.10 1.10 1.10 1.10 0.33

LOAD COMBINATION NO. 22
 1.1 (PP+CM+EQ+CVINST + SX- 0.33 SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.10 1.10 1.10 1.10 1.10 1.10 -0.33

LOAD COMBINATION NO. 23
 1.1 (PP+CM+EQ+CVINST - SX+ 0.33 SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.10 1.10 1.10 1.10 1.10 -1.10 0.33

LOAD COMBINATION NO. 24
 1.1 (PP+CM+EQ+CVINST - SX- 0.33 SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.10 1.10 1.10 1.10 1.10 -1.10 -0.33

LOAD COMBINATION NO. 25
 1.1 (PP+CM+EQ+CVINST + 0.33 SX+ SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.10 1.10 1.10 1.10 1.10 0.33 1.10

LOAD COMBINATION NO. 26
 1.1 (PP+CM+EQ+CVINST + 0.33 SX- SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.10 1.10 1.10 1.10 1.10 0.33 -1.10

LOAD COMBINATION NO. 27
 1.1 (PP+CM+EQ+CVINST - 0.33 SX+ SZ)

LOADING- 1. 2. 4. 6. 7. 8. 9.
 FACTOR - 1.10 1.10 1.10 1.10 1.10 -0.33 1.10

LOAD COMBINATION NO. 28
 1.1 (PP+CM+EQ+CVINST - 0.33 SX- SZ)

STAAD SPACE

-- PAGE NO. 90

LOADING- 1. 2. 4. 6. 7. 8. 9.
FACTOR - 1.10 1.10 1.10 1.10 1.10 -0.33 -1.10

LOAD COMBINATION NO. 29
1.0 (PP+CM+EQ+CVMED+ARR)

LOADING- 1. 2. 5. 6. 7.
FACTOR - 1.00 1.00 1.00 1.00 1.00

***** END OF DATA FROM INTERNAL STORAGE *****

381. PARAMETER 1

382. CODE LRFD

383. FU 45700 MEMB 1 TO 79 81 TO 200 204 TO 208 210 TO 228 230 TO 235 238 TO 241 -

384. 243 TO 248 251 TO 254 258 TO 270 273 TO 279 281 TO 287 289 291 TO 294 296 -

385. 297 TO 302 304 306 TO 309 311 TO 317 319 TO 323 325 TO 331 333 TO 337 339 -

386. 340 TO 345 347 TO 351 353 354 366 TO 409 412 413 416 TO 420

387. FYLD 35150 MEMB 1 TO 79 81 TO 200 204 TO 208 210 TO 228 230 TO 235 -

388. 238 TO 241 243 TO 248 251 TO 254 258 TO 270 273 TO 279 281 TO 287 289 291 -

389. 292 TO 294 296 TO 302 304 306 TO 309 311 TO 317 319 TO 323 325 TO 331 333 -

390. 334 TO 337 339 TO 345 347 TO 351 353 354 366 TO 409 412 413 416 TO 420

391. CHECK CODE MEMB 1 TO 79 81 TO 200 204 TO 208 210 TO 228 230 TO 235 -

392. 238 TO 241 243 TO 248 251 TO 254 258 TO 270 273 TO 279 281 TO 287 289 291 -

393. 292 TO 294 296 TO 302 304 306 TO 309 311 TO 317 319 TO 323 325 TO 331 333 -

394. 334 TO 337 339 TO 345 347 TO 351 353 354 366 TO 409 412 413 416 TO 420

STAAD.Pro CODE CHECKING - (LRFD 3RD EDITION) v1.0

ALL UNITS ARE - MTON METE (UNLESS OTHERWISE Noted)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
1	ST	W14X90	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.295	21
		16.91 C	6.75	7.78	0.00
2	ST	W14X90	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.329	21
		25.71 C	8.04	7.03	0.00
3	ST	W14X90	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.302	21
		19.92 C	8.06	5.38	0.00
4	ST	W14X90	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.285	21
		18.67 C	7.81	4.65	0.00
5	ST	W14X90	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.297	21
		23.90 C	7.95	4.82	0.00
6	ST	W14X90	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.288	21
		22.34 C	7.89	4.36	0.00
7	ST	W14X90	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.346	21
		14.80 C	8.82	7.72	0.00
8	ST	W14X90	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.331	21
		11.28 C	8.74	6.94	0.00
9	ST	W14X90	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.313	21
		7.42 C	8.30	6.77	0.00
10	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.461	21
		0.00 C	0.00	9.31	0.00
11	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.399	21
		0.00 C	0.00	8.06	0.00
12	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.216	21
		0.10 C	0.11	7.46	0.00
13	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.395	24
		0.00 C	0.00	7.97	6.00
14	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.403	21
		0.00 C	0.00	8.13	0.00
15	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.353	21
		0.00 C	0.00	7.12	0.00

ALL UNITS ARE - MTON METE (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
16	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.277	24
		0.00 C	0.00	5.60	6.00
17	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.336	21
		0.00 C	0.00	6.79	0.00
18	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.346	21
		39.38 C	6.61	10.23	0.00
19	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.506	21
		68.56 C	-6.18	-21.38	3.40
20	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.522	20
		93.79 C	0.90	-26.79	3.40
21	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.458	20
		102.56 C	-0.92	-19.33	3.40
22	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.418	20
		105.20 C	0.25	-16.66	3.40
23	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1A-C	0.415	20
		105.46 C	-0.11	-16.58	3.40
24	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.392	21
		61.58 C	8.08	8.91	0.00
25	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.607	21
		41.01 C	-7.91	-28.14	3.40
26	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.443	21
		21.73 C	-7.67	-17.24	3.40
27	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.543	24
		0.00 C	0.00	10.97	6.00
28	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.573	21
		2.40 C	2.45	9.79	0.00
29	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.348	21
		0.40 C	0.15	12.07	0.00
30	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.530	21
		0.00 C	0.00	10.69	0.00

ALL UNITS ARE - MTON METE (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
31	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.498	24
		0.00 C	0.00	10.05	6.00
32	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.513	24
		0.00 C	0.00	10.36	6.00
33	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.431	21
		0.00 C	0.00	8.71	0.00
34	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.440	21
		0.00 C	0.00	8.87	0.00
35	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.311	21
		0.14 C	0.80	8.25	0.00
36	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.381	21
		0.23 C	0.86	10.86	0.00
37	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.290	25
		0.26 C	0.50	9.12	0.00
38	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.301	25
		0.23 C	0.58	9.07	0.00
39	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.408	25
		0.30 C	0.61	13.36	0.00
40	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.412	25
		0.28 C	0.61	13.51	0.00
41	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.388	21
		0.27 C	1.04	10.39	0.00
42	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.313	21
		0.14 C	1.03	7.06	0.00
43	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.255	21
		0.09 C	0.97	5.03	0.00
44	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.144	24
		0.04 T	-0.27	-4.39	0.00
45	ST	W16X45	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.198	28
		0.00 T	-0.13	-7.43	0.00

ALL UNITS ARE - MTON METE (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
46	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.134	28
		0.08 T	-0.20	-4.56	0.00
47	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.141	24
		0.04 T	-0.43	-3.37	0.00
48	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.205	28
		0.00 T	-0.21	-7.28	0.00
49	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.204	28
		0.00 T	-0.21	-7.25	0.00
50	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.246	20
		0.03 T	0.00	-10.17	0.00
51	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.208	24
		0.00 T	-0.34	-6.64	0.00
52	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.145	24
		0.05 T	-0.40	-3.71	0.00
53	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
54	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	-0.00	-8.47	3.00
55	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.871	20
		0.00 T	0.00	-8.47	3.00
56	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.871	20
		0.00 T	-0.00	-8.47	3.00
57	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.871	20
		0.00 T	-0.00	-8.47	3.00
58	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
59	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	-0.00	-8.47	3.00
60	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.399	24
		0.14 T	0.90	11.36	2.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
61	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.627	24
		0.23 T	0.95	20.46	2.00
62	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.136	28
		0.22 T	0.17	4.79	0.50
63	ST W16X45		(AISC SECTIONS)		
		PASS	SHEAR-Y	0.101	20
		0.00 C	-0.00	0.06	0.20
64	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.540	28
		0.30 T	0.58	19.02	2.00
65	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.539	28
		0.28 T	0.58	18.94	2.00
66	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.589	24
		0.17 T	0.98	18.76	2.00
67	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.690	20
		0.00 C	-0.00	28.54	2.00
68	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.413	24
		0.08 T	0.92	11.79	2.00
69	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	-0.00	-8.47	3.00
70	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.871	20
		0.00 T	-0.00	-8.47	3.00
71	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.871	20
		0.00 T	-0.00	-8.47	3.00
72	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.871	20
		0.00 T	-0.00	-8.47	3.00
73	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.871	20
		0.00 T	0.00	-8.47	3.00
74	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	-0.00	-8.47	3.00
75	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00

ALL UNITS ARE - MTON METE (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
76	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.209	24
		0.10 T	0.10	7.24	3.00
77	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.341	24
		0.40 T	0.16	11.80	3.00
78	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.285	20
		0.00 C	0.00	-5.89	3.00
79	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.258	20
		0.00 C	0.00	-6.34	1.20
81	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.053	20
		0.00 C	-0.00	-1.09	1.50
82	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.108	21
		0.74 C	0.29	-0.83	0.50
83	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.094	21
		0.80 C	-0.41	0.00	3.00
84	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.359	24
		21.25 C	-8.13	-9.63	0.00
85	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.505	24
		36.29 C	6.76	22.84	3.40
86	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.492	24
		36.72 C	6.31	22.75	3.40
87	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.444	24
		46.98 C	6.50	17.65	3.40
88	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.438	24
		46.79 C	6.46	17.26	3.40
89	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.434	24
		46.40 C	6.35	17.15	3.40
90	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.465	24
		33.97 C	6.55	20.33	3.40
91	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.719	24
		24.01 C	8.76	36.70	3.40

ALL UNITS ARE - MTON METE (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
92	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.396	22
		13.38 C	-6.55	16.59	3.40
93	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.572	21
		0.44 C	3.55	26.91	0.00
94	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.833	21
		2.65 C	3.76	48.40	0.00
95	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.826	21
		2.59 C	3.76	47.75	0.00
96	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.791	21
		0.42 C	3.76	44.98	0.00
97	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.782	21
		0.36 C	3.76	44.11	0.00
98	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.782	21
		0.32 C	3.76	44.15	0.00
99	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.773	21
		0.32 C	3.75	43.37	0.00
100	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.697	21
		0.36 C	3.75	36.70	0.00
101	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.495	21
		0.32 C	3.56	20.04	0.00
102	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.478	21
		0.00 C	0.00	9.64	0.00
103	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.424	24
		0.00 C	0.00	8.56	6.00
104	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.427	24
		0.00 C	0.00	8.62	6.00
105	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.431	24
		0.00 C	0.00	8.70	6.00
106	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.430	24
		0.00 C	0.00	8.68	6.00

ALL UNITS ARE - MTON METE (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
107	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.439	24
		0.00 C	0.00	8.86	6.00
108	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.356	21
		0.00 C	0.00	7.19	0.00
109	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.349	24
		0.00 C	0.00	7.04	6.00
110	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.289	24
		0.21 T	-1.52	-15.47	0.00
111	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.527	20
		0.00 C	0.00	-46.82	0.00
112	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.531	20
		0.00 C	0.00	-47.11	0.00
113	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.479	20
		0.00 C	0.00	-42.52	0.00
114	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.475	20
		0.00 C	0.00	-42.14	0.00
115	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.475	20
		0.00 C	0.00	-42.15	0.00
116	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.484	20
		0.00 C	0.00	-42.98	0.00
117	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.542	20
		0.00 C	0.00	-48.10	0.00
118	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.317	24
		0.22 T	-1.54	-17.74	0.00
119	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
120	ST W14X30		(AISC SECTIONS)		
		PASS	SHEAR-Y	0.130	20
		0.00 C	0.00	0.00	0.00
121	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00

ALL UNITS ARE - MTON METE (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
122	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
123	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
124	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
125	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
126	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
127	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.584	24
		0.47 T	3.40	29.00	2.00
128	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.740	24
		11.90 T	2.92	45.06	1.50
129	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
130	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.202	24
		0.21 T	-0.85	-12.21	0.00
131	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.520	24
		0.65 T	-2.79	-27.36	0.00
132	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
133	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.727	24
		12.17 T	2.92	43.94	1.50
134	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.813	24
		0.43 T	3.50	48.66	2.00
135	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.817	24
		0.36 T	3.45	49.40	2.00
136	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.818	24
		0.32 T	3.40	49.77	2.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
137	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.824	24
		0.32 T	3.37	50.58	2.00
138	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.781	24
		0.36 T	3.34	46.87	2.00
139	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.529	24
		0.40 T	3.16	25.67	2.00
140	ST W18X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.390	21
		1.78 C	4.35	0.00	0.00
141	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
142	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
143	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
144	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
145	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
146	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.524	24
		0.53 T	-2.84	-27.45	0.00
147	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.347	24
		0.25 T	-1.29	-22.11	0.00
148	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.349	24
		0.21 T	-1.41	-21.48	0.00
149	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.354	24
		0.19 T	-1.48	-21.51	0.00
150	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.364	24
		0.19 T	-1.52	-22.08	0.00
151	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.395	24
		0.22 T	-1.56	-24.56	0.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
152	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.236	24
		0.13 T	-1.20	-12.91	0.00
153	ST W18X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.260	21
		0.20 C	2.92	0.00	0.00
154	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
155	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
156	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
157	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
158	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
159	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.279	21
		0.27 C	-1.37	-15.47	2.00
160	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.528	20
		0.00 C	0.00	-46.84	2.00
161	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.531	21
		2.42 C	-1.96	-33.69	2.00
162	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.479	20
		0.00 C	0.00	-42.52	2.00
163	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.475	20
		0.00 C	0.00	-42.14	2.00
164	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.475	20
		0.00 C	0.00	-42.15	2.00
165	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.484	20
		0.00 C	0.00	-42.98	2.00
166	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.542	20
		0.00 C	0.00	-48.10	2.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
167	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.311	21
		0.27 C	-1.47	-17.74	2.00
168	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
169	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
170	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
171	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
172	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
173	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
174	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
175	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
176	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.289	21
		0.23 C	-1.81	-13.47	2.00
177	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.452	21
		2.50 C	-2.09	-25.83	2.00
178	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.448	21
		2.50 C	-2.06	-25.63	2.00
179	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.429	21
		0.25 C	-2.14	-23.69	2.00
180	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.425	21
		0.21 C	-2.11	-23.55	2.00
181	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.425	21
		0.19 C	-2.09	-23.69	2.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
182	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.436	21
		0.19 C	-2.07	-24.81	2.00
183	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.478	21
		0.22 C	-2.07	-28.50	2.00
184	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.300	21
		0.15 C	-1.68	-15.33	2.00
185	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
186	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
187	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
188	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
189	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
190	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
191	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
192	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
193	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
194	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.871	20
		0.00 C	0.00	-8.47	3.00
195	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.165	23
		4.02 C	5.30	-1.64	3.90
196	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.329	21
		12.63 C	-6.94	-10.47	3.90

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
197	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.314	24
		10.31 C	-6.85	-9.67	0.00
198	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.283	21
		10.35 C	-6.48	-7.95	3.90
199	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.294	21
		10.84 C	-6.66	-8.40	3.90
200	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.269	21
		8.84 C	-5.79	-8.46	3.90
204	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.434	21
		0.00 C	0.00	5.89	0.00
205	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.394	21
		0.00 C	0.00	5.33	0.00
206	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.400	21
		0.00 C	0.00	5.43	0.00
207	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.396	21
		0.00 C	0.00	5.37	0.00
208	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.457	21
		0.00 C	0.00	6.19	0.00
210	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.341	21
		16.50 C	-2.78	-19.82	3.90
211	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.496	21
		24.19 C	6.92	22.75	0.00
212	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.511	24
		24.80 C	7.21	23.28	3.90
213	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.596	21
		37.58 C	-6.85	-29.67	3.90
214	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.603	21
		37.80 C	-7.06	-29.82	3.90
215	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.613	21
		38.20 C	-6.85	-30.94	3.90

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
216	ST W14X90	PASS	(AISC SECTIONS)		
		21.29 C	LRFD-H1-1B-C	0.475	21
			6.32	22.65	0.00
217	ST W16X36	PASS	(AISC SECTIONS)		
		0.21 C	LRFD-H1-1B-C	0.338	21
			0.25	6.27	0.00
218	ST W16X36	PASS	(AISC SECTIONS)		
		0.00 C	LRFD-H1-1B-C	0.419	24
			0.00	5.67	6.00
219	ST W16X36	PASS	(AISC SECTIONS)		
		0.00 C	LRFD-H1-1B-C	0.556	24
			0.00	7.53	6.00
220	ST W16X36	PASS	(AISC SECTIONS)		
		0.00 C	LRFD-H1-1B-C	0.559	24
			0.00	7.58	6.00
221	ST W16X36	PASS	(AISC SECTIONS)		
		0.00 C	LRFD-H1-1B-C	0.534	21
			0.00	7.23	0.00
222	ST W16X36	PASS	(AISC SECTIONS)		
		0.00 C	LRFD-H1-1B-C	0.596	21
			0.00	8.08	0.00
223	ST W16X36	PASS	(AISC SECTIONS)		
		0.37 C	LRFD-H1-1B-C	0.379	21
			1.19	5.31	0.00
224	ST W16X36	PASS	(AISC SECTIONS)		
		0.81 C	LRFD-H1-1B-C	0.533	21
			1.17	10.47	0.00
225	ST W16X36	PASS	(AISC SECTIONS)		
		1.07 C	LRFD-H1-1B-C	0.504	25
			0.83	11.06	0.00
226	ST W16X36	PASS	(AISC SECTIONS)		
		1.07 C	LRFD-H1-1B-C	0.459	25
			0.82	9.71	0.00
227	ST W16X36	PASS	(AISC SECTIONS)		
		1.08 C	LRFD-H1-1B-C	0.475	25
			0.80	10.33	0.00
228	ST W16X36	PASS	(AISC SECTIONS)		
		1.01 C	LRFD-H1-1B-C	0.488	25
			0.87	10.37	0.00
230	ST W16X36	PASS	(AISC SECTIONS)		
		0.08 C	LRFD-H1-1B-C	0.150	21
			-0.51	-1.85	1.50
231	ST W16X36	PASS	(AISC SECTIONS)		
		0.11 C	LRFD-H1-1B-C	0.294	21
			-0.59	-6.17	1.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
232	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.269	28
		0.00 T	-0.22	-7.25	0.00
233	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.255	28
		0.01 T	-0.21	-6.86	0.00
234	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.252	28
		0.02 T	-0.21	-6.80	0.00
235	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.288	24
		0.25 T	-0.75	-4.99	0.00
238	ST	W14X30	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
239	ST	W14X30	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
240	ST	W14X30	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
241	ST	W14X30	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
243	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.447	24
		0.20 T	0.71	8.90	3.00
244	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.223	24
		0.72 T	-0.61	-3.65	0.00
245	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.619	24
		0.58 T	1.08	13.39	2.00
246	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.765	28
		1.08 T	0.85	19.34	2.00
247	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.771	28
		1.10 T	0.84	19.55	2.00
248	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.202	24
		0.35 T	-0.72	-2.31	0.00
251	ST	W14X30	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
252	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
253	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.819	20
		0.00 C	0.00	-7.97	3.00
254	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
258	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.442	24
		10.19 C	5.96	21.73	3.90
259	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.499	24
		11.64 C	-6.16	-25.69	0.00
260	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.504	21
		12.45 C	-6.64	-25.04	3.90
261	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.650	24
		22.27 C	6.80	35.45	3.90
262	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.648	24
		22.09 C	6.81	35.31	3.90
263	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.663	24
		21.82 C	7.25	35.59	3.90
264	ST W14X90		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.446	24
		10.31 C	-4.81	-24.48	0.00
265	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.440	21
		0.00 C	0.00	5.96	0.00
266	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.313	24
		0.00 C	0.00	4.25	6.00
267	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.433	24
		0.00 C	0.00	5.87	6.00
268	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.422	24
		0.00 C	0.00	5.72	6.00
269	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.413	24
		0.00 C	0.00	5.59	6.00

ALL UNITS ARE - MTON METE (UNLESS OTHERWISE NOTED)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
270	ST	W16X36	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.482	24
		0.00 C	0.00	6.53	6.00
273	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.542	21
		1.18 C	3.53	24.30	0.00
274	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.568	21
		0.90 C	3.53	26.59	0.00
275	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.789	21
		1.09 C	6.45	26.63	0.00
276	TC	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.938	21
		1.30 C	7.44	44.83	0.00
277	TC	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.939	21
		1.24 C	7.44	44.97	0.00
278	TC	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.948	21
		1.36 C	7.44	45.82	0.00
279	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.793	21
		1.16 C	6.45	26.97	0.00
281	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.275	21
		0.63 C	-1.68	-13.10	2.00
282	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.250	21
		0.54 C	-1.68	-10.88	2.00
283	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.348	21
		0.47 C	-3.03	-10.47	2.00
284	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.546	21
		0.78 C	-3.83	-22.63	2.00
285	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.545	21
		0.74 C	-3.82	-22.67	2.00
286	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.547	21
		0.81 C	-3.83	-22.71	2.00
287	ST	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.361	21
		0.50 C	-3.03	-11.66	2.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
289	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
291	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
292	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
293	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
294	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
296	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.333	21
		0.34 C	-1.92	-16.68	2.00
297	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.314	21
		0.38 C	-1.92	-14.98	2.00
298	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.425	21
		0.56 C	-3.40	-14.84	2.00
299	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.630	21
		0.27 C	-3.65	-31.40	2.00
300	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.631	21
		0.25 C	-3.65	-31.54	2.00
301	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.633	21
		0.28 C	-3.65	-31.62	2.00
302	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.433	21
		0.54 C	-3.40	-15.58	2.00
304	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
306	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
307	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
308	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
309	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
311	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.332	24
		0.40 T	-1.91	-16.68	0.00
312	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.313	24
		0.34 T	-1.91	-14.98	0.00
313	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.423	24
		0.58 T	-3.37	-14.84	0.00
314	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.626	24
		0.25 T	-3.60	-31.40	0.00
315	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.628	24
		0.24 T	-3.60	-31.54	0.00
316	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.629	24
		0.26 T	-3.60	-31.62	0.00
317	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.431	24
		0.61 T	-3.37	-15.58	0.00
319	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
320	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
321	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
322	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
323	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
325	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.294	24
		0.64 T	-1.71	-14.53	0.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
326	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.277	24
		0.53 T	-1.71	-13.04	0.00
327	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.380	24
		0.48 T	-3.10	-12.86	0.00
328	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.591	24
		0.77 T	-3.92	-26.14	0.00
329	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.592	24
		0.73 T	-3.90	-26.34	0.00
330	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.598	24
		0.80 T	-3.92	-26.70	0.00
331	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.392	24
		0.52 T	-3.10	-13.99	0.00
333	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
334	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
335	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
336	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
337	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
339	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.519	24
		1.03 T	3.61	21.73	2.00
340	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.516	24
		1.04 T	3.61	21.52	2.00
341	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.748	24
		0.99 T	6.80	20.63	2.00
342	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.943	24
		1.29 T	7.17	35.45	2.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
343	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.941	24
		1.22 T	7.17	35.31	2.00
344	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.945	24
		1.34 T	7.17	35.59	2.00
345	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.753	24
		0.99 T	6.80	21.09	2.00
347	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
348	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
349	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
350	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
351	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
353	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
354	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.320	20
		0.00 C	0.00	-4.92	3.38
366	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.510	21
		0.31 C	1.17	9.68	0.00
367	ST W18X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.399	24
		0.20 T	-2.64	-11.14	0.00
368	ST W18X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.374	24
		3.02 T	-2.33	-11.23	0.00
369	ST W18X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.378	24
		1.72 T	-2.49	-10.48	0.00
370	ST W18X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.343	24
		3.98 T	-2.08	-10.51	0.00

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
371	ST W8X40		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.413	24
		0.06 T	-3.74	-0.36	0.00
372	ST W8X40		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.421	21
		0.08 C	-3.75	-0.51	2.00
373	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.309	21
		1.34 C	0.80	8.30	0.00
374	ST W18X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.368	21
		2.67 C	-2.28	-11.14	1.75
375	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.270	21
		9.26 C	-1.06	0.04	2.00
376	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.196	24
		0.04 T	-0.81	-3.46	0.00
377	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.295	24
		0.05 T	1.34	0.00	2.00
378	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.328	24
		1.35 T	0.81	9.08	1.75
379	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.301	24
		0.06 T	1.36	0.00	2.00
380	ST W18X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.397	21
		2.10 C	-4.43	0.00	0.25
381	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.586	24
		2.43 T	2.40	10.65	0.25
382	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.274	21
		9.16 C	-1.08	0.04	2.00
383	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.367	20
		0.00 C	0.00	-8.60	1.00
384	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.342	24
		1.64 T	-0.42	-5.89	0.00
385	ST W18X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.335	21
		0.53 C	-2.04	-10.48	1.75

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
386	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.342	21
		0.99 C	-0.42	-5.90	1.75
387	ST W14X30		(AISC SECTIONS)		
		PASS	SHEAR-Y	0.130	20
		0.00 C	0.00	0.00	0.25
388	ST W18X65		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.271	21
		3.24 C	-3.00	0.00	0.25
389	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.132	21
		3.07 C	-0.53	-0.07	2.00
390	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.196	21
		0.10 C	0.89	-0.00	0.00
391	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.198	21
		0.10 C	0.90	-0.00	0.00
392	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.133	21
		3.05 C	-0.54	-0.07	2.00
393	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.278	21
		0.08 C	-0.71	-7.67	0.62
394	ST TUB60404		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.168	28
		1.95 C	-0.52	-0.00	0.00
395	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.289	24
		0.64 T	0.50	6.47	1.50
396	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.181	24
		0.08 T	-0.21	-3.29	0.00
397	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.131	21
		0.35 C	-0.45	-0.75	1.50
398	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.790	24
		0.56 T	1.28	18.24	1.70
399	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
400	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.442	24
		0.34 T	2.35	0.34	1.22

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MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
401	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.222	28
		0.10 T	-0.23	-5.97	0.00
402	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.767	20
		0.00 C	0.00	-7.46	3.00
403	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.619	24
		0.70 T	1.18	13.34	1.50
404	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.047	25
		0.37 C	0.07	-0.75	0.00
405	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.137	21
		0.37 C	-0.62	0.00	1.50
406	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.263	24
		0.02 T	-0.41	-4.25	0.00
407	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.083	24
		0.05 T	-0.23	-2.18	0.00
408	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.568	24
		0.28 T	1.22	17.04	1.50
409	ST W16X45		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.439	24
		0.21 T	0.98	12.82	1.80
412	ST W16X36		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.275	21
		0.09 C	-0.99	-3.07	1.70
413	ST W14X30		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.261	24
		0.29 T	-0.35	-4.49	0.00
416	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.795	21
		1.29 C	5.36	34.62	0.00
417	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.796	21
		1.23 C	5.36	34.73	0.00
418	ST W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-C	0.805	21
		1.35 C	5.36	35.51	0.00
419	TC W21X73		(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.906	24
		11.90 T	4.74	58.21	0.50

ALL UNITS ARE - MTON METE (UNLESS OTHERWISE Noted)

MEMBER	TABLE	RESULT/ FX	CRITICAL COND/ MY	RATIO/ MZ	LOADING/ LOCATION
420	TC	W21X73	(AISC SECTIONS)		
		PASS	LRFD-H1-1B-T	0.895	24
		12.17 T	4.74	57.02	0.50

***** END OF TABULATED RESULT OF DESIGN *****

395. STEEL TAKE OFF LIST 1 TO 79 81 TO 200 204 TO 208 210 TO 228 230 TO 235 238 -

STAAD SPACE

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STEEL TAKE-OFF

PROFILE	LENGTH(METE)	WEIGHT(MTON)
396. 239 TO 241 243 TO 248 251 TO 254 258 TO 270 273 TO 279 281 TO 287 289 291 -		
397. 292 TO 294 296 TO 302 304 306 TO 309 311 TO 317 319 TO 323 325 TO 331 333 -		
398. 334 TO 337 339 TO 345 347 TO 351 353 354 366 TO 409 412 413 416 TO 420		
ST W14X90	169.80	22.741
ST W16X45	198.00	13.309
ST W14X30	569.50	25.471
ST W21X73	189.50	20.590
ST W18X65	12.00	1.158
ST W16X36	141.12	7.560
TC W21X73	2.50	0.301
ST W8X40	4.00	0.237
ST TUB60404	3.90	0.090

	TOTAL =	91.458

***** END OF DATA FROM INTERNAL STORAGE *****

399. FINISH

***** END OF THE STAAD.Pro RUN *****

**** DATE= MAR 6,2018 TIME= 13:58:39 ****

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*****  
*   For technical assistance on STAAD.Pro, please visit   *  
*   http://selectservices.bentley.com/en-US/                 *  
*                                                         *  
*   Details about additional assistance from               *  
*   Bentley and Partners can be found at program menu    *  
*   Help->Technical Support                               *  
*                                                         *  
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*   http://www.bentley.com                                   *  
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