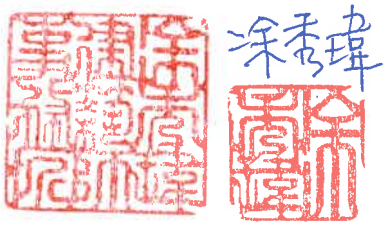
新竹縣原住民族地區建築標準圖說
3-SC-1-2

結構計算書

Job No. 2208A

2021/1



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一、 構造種類

- ■ 鋼筋混凝土構造
- ■ 鋼骨構造
- □ 鋼骨鋼筋混凝土構造
- □ 其他

二、 結構系統之規劃及分析

- □ 韌性抗彎矩構架系統
- □ 二元系統
- ■ 其他

具對角斜撐之輕型構架

三、 結構材料

1. 混凝土

fc'=280 kgf/cm^2

2. 鋼筋

#4(D13)以上：fy= 4200 kgf/cm^2

(CNS 560 A2006 SD420W)

#3(D10)以下：fy= 2800 kgf/cm^2

(CNS 560 A2006 SD280W)

3. 鋼結構

SGC440 3400 kgf/cm^2

四、

活載重 LL		kgf/m^2
1F	住宅	200
PRF	屋頂	60

五、 水平側向力、風力檢核分析

(一) 地震力

1. 新竹縣五峰鄉
2. S_S^D = 0.7 ， S_1^D = 0.4
   S_S^M = 0.9 ， S_1^M = 0.5
3. I = 1.10
4. R_x = 3 ， R_y = 3
5. α_y = 1.0
6. 建築物基本震動週期 T_x = 0.05 $h_n^{3/4}$
   Ty = 0.05 $h_n^{3/4}$
7. Vx / W = 0.270
   Vy / W = 0.270

(二) 風力

基本設計風速每秒 32.5 公尺區

I = 1.1 ， 地況： B

六、 層間最大變位與層間變位角

(X-Dir.)

1.最大層間變位角 = 0.021‰

2.最大位移 = 0.012cm

(Y-Dir.)

1.最大層間變位角 = 0.017‰

2.最大位移 = 0.011cm

七、 結構設計

- □ ASD
- ■ USD
- ■ LRFD

八、 基礎設計

- □ 獨立基腳或聯合基腳
- □ 筏式基礎
- □ 樁基礎
- ■ 其他

版式基礎

九、 基礎開挖擋土支保措施

- [x] 斜坡明挖
- [ ] 預壘排樁
- [ ] 地下連續壁
- [ ] 其他

1.0 建築概要

本案為標準圖說，工程可能位於新竹縣五峰鄉/尖石鄉/關西鎮，為地上 1 樓之輕型鋼構造，樓高約 4.331 公尺。

建築基地：新竹縣五峰鄉/尖石鄉/關西鎮

建築規模：地上 1 層

開挖深度：0.4m

2.0 結構系統說明

地震力分析：法規靜力分析

基本資料：

建築種類： 鋼筋混凝土構造(RC)\鋼骨構造(SS)
結構系統： 其他\具對角斜撐之輕型構架

樓層概述：

樓層	高度(cm)	用途
1F	433.1	住宅

樓版厚度：

基礎版 40cm RC 版

PRF 彩浪鋼版

開挖方式：

斜坡明挖

分析程式： ETABS V9.5

3.0 結構材料

3.1 混凝土

材料特性:

波松比	0.2
彈性模數(楊式係數)	15000 $\sqrt{}$fc' kgf/cm^2
線性熱膨脹系數	1.2×10^{-5} 1/ ℃
混凝土規定抗壓強度 fc'	同建築結構設計基本資料表
單位重	2400 kgf/m^3

3.2 鋼筋

彈性模數(楊式係數)	2.04×10^6 kgf/cm^2
鋼筋規定降伏強度 fy	同建築結構設計基本資料表
點焊鋼線網	ASTM A706, Fy=5000 kgf/cm^2

3.3 結構鋼

材料特性:

波松比	0.3
彈性模數(楊式係數)	2.04×10^6 kgf/cm^2
線性熱膨脹系數	1.2×10^{-5} 1/ ℃
標稱降伏應力 fy	同建築結構設計基本資料表
單位重	7850 kgf/m^3

螺栓及焊材

高拉力螺栓	F10T
錨定螺栓	ASTM A307, ASTM A325
焊材	E80xx

4.0 設計載重

4.1 靜載重及活載重

靜載重

PRF

載重種類	數量	單位重	總重
設備管線	1 式	40 kgf/m^2	40 kgf/m^2

外加靜載重(SDL) 40 kgf/m^2

2F~R1F 室內

載重種類	數量	單位重	總重
舖面裝修	1 式	40 kgf/m^2	40 kgf/m^2

外加靜載重(SDL) 40 kgf/m^2

活載重 (kgf/m^2)

同建築結構設計基本資料表

樓層載重資料

樓層	面積(m^2)	重量(tf)	單位重(tf/m^2)
PRF	70.20	2.82	0.040

4.2 設計地震力及分析結果

依據〝建築物耐震設計規範及解說，內政部〞，設計地震力為:

$$V = \frac{I}{1.4\alpha_y}\left(\frac{S_{aD}}{F_u}\right)_m W$$

式中

$$\left(\frac{S_{aD}}{F_u}\right)_m = \begin{cases} \dfrac{S_{aD}}{F_u} & \dfrac{S_{aD}}{F_u} \le 0.3 \\ 0.52\dfrac{S_{aD}}{F_u} + 0.144 & 0.3 < \dfrac{S_{aD}}{F_u} < 0.8 \\ 0.70\dfrac{S_{aD}}{F_u} & \dfrac{S_{aD}}{F_u} \ge 0.8 \end{cases}$$

S_{aD}　工址設計水平譜加速度係數，為工址水平加速度與重力加速度 g 之比值。

W　建築物全部靜載重。活動隔間應計入 75kg/m^2 之重量；一般倉庫、書庫應計入至少四分之一活載重；水箱、水池等容器，應計入全部內容物之重量。

I　用途係數。

α_y　起始降伏地震力放大倍數，依耐震設計規範第一章第 9 節規定，鋼結構採容許應力法設計可取 1.2，採極限設計法取 1.0。就鋼筋混凝土結構而言，以極限強度設計法可採 1.0。

Fu　結構系統地震力折減係數，依耐震設計規範第二章第 9 節規定。

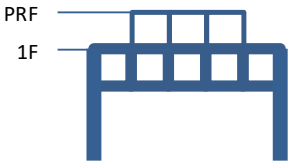
※本案為一般建築物，由於本案為泛用之標準圖說，設立之位置較廣，考量其變異性用途係數保守採用 1.1。

地震力計算詳下表

基地基本資料					斷層資料	
縣市	鄉鎮市區	里	震區種類	地盤種類	附近斷層	距離斷層
新竹縣	五峰鄉	所有里	一般震區	第一類地盤(自行決定地盤種類)	獅潭與神卓山(一般情況)	10(km)

譜加速度係數		近斷層因子			工址放大因子		修正譜加速度係數		分界週期
S_S^D	0.7	設計	N_a	1	F_a	1	$S_{DS}=F_a\times N_a\times S_S^D$	0.7	$T_0^D=S_{D1}/S_{DS}$
S_1^D	0.4		N_v	1	F_v	1	$S_{D1}=F_v\times N_v\times S_1^D$	0.4	0.571
S_S^M	0.9	最大	N_a	1	F_a	1	$S_{MS}=F_a\times N_a\times S_S^M$	0.9	$T_0^M=S_{M1}/S_{MS}$
S_1^M	0.5		N_v	1	F_v	1	$S_{M1}=F_v\times N_v\times S_1^M$	0.5	0.556

建築基本資料							
屋頂層數	樓層數	地下層數	1F抬高	屋頂高度	建築高度	地下高度	h_n(基面至屋頂)
0 F	1 F	0 F	0(m)	0(m)	4.331(m)	0(m)	4.331(m)



	建築結構系統	
	X方向	Y方向
結構阻尼比	0.02	
結構系統	其他構造	其他構造
T_{code}(法規週期)	$0.05\times h_n^{3/4}$ =0.150(s)	$0.05\times h_n^{3/4}$ =0.150(s)
T_{max}(上限週期)	$1.4\times T_{code}$ =0.210(s)	$1.4\times T_{code}$ =0.210(s)
I(用途係數)	1.1	
設計規範	鋼構(LRFD)	
α_y	1	

各方向地震力計算		X方向	Y方向
1. 建築結構系統相關資料	T_{dyna}(動力週期)	0.043(s)	0.039(s)
	T_{design}(設計週期)	0.043(s)	0.039(s)
	R(結構系統韌性容量)	3	3
	Ra(結構系統容許韌性容量)	2.333	2.333

各方向地震力計算		X方向	Y方向
2. 最小設計水平總橫力	S_{aD}(工址設計水平譜加速度)	0.506	0.486
	F_u(系統折減係數)	1.348	1.316
	$(S_{aD}/F_u)_m$	0.339	0.336
	V(最小設計水平總橫力)	0.267	0.264
3. 避免最大考量地震崩塌之設計地震力	S_{aM}(工址最大水平譜加速度)	0.571	0.552
	F_{uM}(系統最大折減係數)	1.483	1.439
	$(S_{aM}/F_{uM})_m$	0.344	0.343
	V_M(最大考量地震水平總橫力)	0.270	0.270
4. 避免中小度地震降伏之設計地震力	V^*(中小度地震水平總橫力)	0.120	0.116
5. 層間相對位移地震力	V_{drift}(層間相對位移地震力)	0.109	0.105

各方向地震力計算		Z方向
6. 垂直地震力	D_{DL+SDL}(垂直自重變位)	0.002(cm)
	T_{ver}(垂直週期)=$2\pi(D_{DL+SDL}/g)^{0.5}$	0.010(s)
	$S_{aD,V}$(垂直設計譜加速度係數)	0.166
	F_{uv}(垂直地震系統折減係數)	1.078
	$(S_{aD,v}/F_{uv})_m$	0.152
	V_{ZD}(垂直設計地震力)	0.119
	$S_{aM,v}$(垂直最大加速度係數)	0.204
	$F_{uv,M}$(垂直最大地震系統折減係數)	1.109
	V_{ZM}(避免最大考量垂直地震崩塌)	0.132
	V_Z*(避免中小度垂直地震降伏)	0.043

地震力統整		X方向	Y方向
1. 水平地震力	V_{design} = max(V ,V_M ,V^*)	0.270	0.270
2. 層間位移地震力	V_{drift}	0.109	0.105
地震力統整		Z方向	
3. 垂直地震力	$V_{z,Design}$ = max(V_{ZD} ,V_{ZM} ,V_Z*)	0.132	

意外扭矩放大係數

Floor	Load Case	δ_{max} (cm)	δ_{avg} (cm)	$A_x=(\delta_{max}/1.2\,\delta_{avg})^2$	備註
PRF	EXP	0.012(節點 69)	0.012	0.768	X 最大值
PRF	EYP	0.011(節點 69)	0.010	0.925	Y 最大值
PRF	EXN	0.012(節點 1)	0.012	0.699	
PRF	EYN	0.010(節點 1)	0.010	0.793	

X 向最大意外扭矩放大係數 Ax 小於 1，故質心偏移比例取 Ecc=0.05 進行分析

Y 向最大意外扭矩放大係數 Ax 小於 1，故質心偏移比例取 Ecc=0.05 進行分析

樓層地震力

(單位 tf)

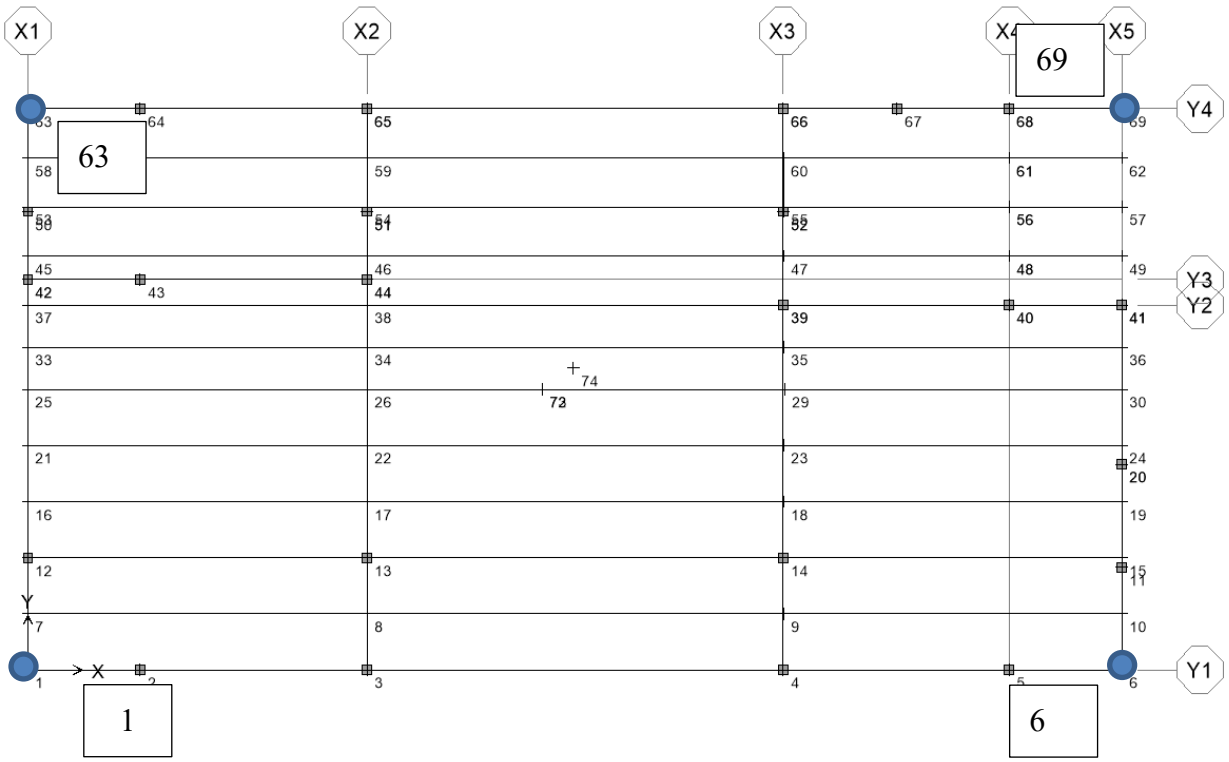
	EXP VX	EXP VY	EYP VX	EYP VY	EXN VX	EXN VY	EYN VX	EYN VY
PRF	-0.71	0.00	0.00	-0.71	-0.71	0.00	0.00	-0.71
SUM	-0.71	0.00	0.00	-0.71	-0.71	0.00	0.00	-0.71

樓層層間變位角

	Ux		Uy	
	EXP	EXN	EYP	EYN
PRF	0.021‰(D22)	0.020‰(D22)	0.017‰(C27-1)	0.013‰(C27-1)

碰撞距離檢討

依建築物耐震設計規範，為避免地震時所引起的變形造成鄰棟建築物間的相互碰撞，建築物應自留設設計地震力作用下產生位移乘以 $0.6\times1.4\times\alpha_y\times R_a$ 倍之距離。



	節點 1		節點 6		節點 69		節點 63	
	X 向	Y 向	X 向	Y 向	X 向	Y 向	X 向	Y 向
475 年地震側向位移 (cm)	0.011	0.010	0.011	0.011	0.012	0.011	0.012	0.010
安全碰撞距離 (cm)	0.022	0.020	0.022	0.022	0.023	0.022	0.023	0.020
備註：位移放大倍數 X 向為 1.960，Y 向為 1.960								

4.3 設計風力

依據”建築物耐風設計規範及解說”，本建築基本設計風速為每秒 37.5 公尺

封閉式建築主抗風系統屋頂風壓計算

Enclosed Building Main Wind Force Resistance System Design Roof Presure(TBC2006)

Job:									Job No.			
									Made by:	JWLI	Date:	2004/12/13
1.1	**Input data**				尺寸							
	Exp=	C		V10=	37.5	m/sec	I=	1.1				
	Z=	4.331	m	θ =	17	Degree						
	T=	0.03	sec	Beta=	0.02		B=	20	m	L=	30	m

2.1 Basic Constant

Exporsure=	C		α =	0.15		Zg=	300.00	m
Design wind speed=	37.50	m/sec	Building width=	20.00	m	Ave. roof height=	4.33	m
Do=	0.005		Damping ratio=	0.020				

2.2 Wind presure

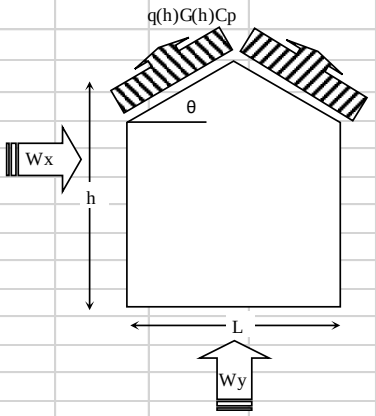
$K(h)=2.774(Z/Zg)^{2\alpha}$	h>5m	Average level	=	0.0000
$K(h)=2.774(5/Zg)^{2\alpha}$	h<5m		=	0.8122
$q(h)=0.0625*K(z)*(IV_{10}(c))^2$			=	86.38 kg/m^2

2.3 Roof design wind presure

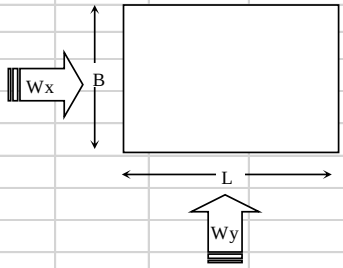
Direction	Width	Length	G(h)	Wind ward		Leeward	
				Cp	q(h)G(h)Cp	Cp	q(h)G(h)Cp
Wx	20	30	1.866	-0.46	-74	-0.7	-113
Wy	30	20	1.844	-0.70	-112	-0.7	-112

2.4 Positive presure under ROOF OVERHANG for main wind force resistance system

Direction	G(h)	Wind ward		Leeward	
		Cp	q(h)G(h)Cp	Cp	q(h)G(h)Cp
Wx	1.866	0.8	129	0.5	81
Wy	1.844	0.8	127	0.5	80



Elevation View



Plan View

X 向設計風力為 1.30tf，大於 X 向設計地震力 0.71tf

Y 向設計風力為 2.53tf，大於 Y 向設計地震力 0.71tf

4.4 載重組合

DL=Dead load (include member self weight)

LL=Live load

EXP,EXN=Code static seismic load x-direction (±0.05 offset)

EYP,EYN=Code static seismic load y-direction (±0.05 offset)

Ez=Code static vertical seismic load

Ex= EXP、EXN

Ey= EYP、EYN

W=Wind load

設計

1.4DL

1.2DL+1.6LL

1.2DL+1.0LL±1.0Ex±0.3Ez

1.2DL+1.0LL±1.0Ey±0.3Ez

1.2DL+1.0LL±1.0Ez±0.3Ex

1.2DL+1.0LL±1.0Ez±0.3Ey

0.9DL±1.0Ex±0.3Ez

0.9DL±1.0Ey±0.3Ez

0.9DL±1.0Ez±0.3Ex

0.9DL±1.0Ez±0.3Ey

1.2DL+1.0LL±1.6W

0.9DL±1.6W

	DL	SDL	LL	EXP	EYP	EXN	EYN	EZ	WX	WY
02RC01	1.400	1.400								
02RC02	1.200	1.200	1.600							
02RC03	1.200	1.200	1.000	1.000				0.300		
02RC04	1.200	1.200	1.000	1.000				-0.300		
02RC05	1.200	1.200	1.000		1.000			0.300		
02RC06	1.200	1.200	1.000		1.000			-0.300		
02RC07	1.200	1.200	1.000			1.000		0.300		
02RC08	1.200	1.200	1.000			1.000		-0.300		
02RC09	1.200	1.200	1.000				1.000	0.300		
02RC10	1.200	1.200	1.000				1.000	-0.300		
02RC11	1.200	1.200	1.000	-1.000				0.300		
02RC12	1.200	1.200	1.000	-1.000				-0.300		
02RC13	1.200	1.200	1.000		-1.000			0.300		
02RC14	1.200	1.200	1.000		-1.000			-0.300		
02RC15	1.200	1.200	1.000			-1.000		0.300		
02RC16	1.200	1.200	1.000			-1.000		-0.300		
02RC17	1.200	1.200	1.000				-1.000	0.300		
02RC18	1.200	1.200	1.000				-1.000	-0.300		
02RC19	1.200	1.200	1.000	0.300				1.000		
02RC20	1.200	1.200	1.000	0.300				-1.000		
02RC21	1.200	1.200	1.000		0.300			1.000		
02RC22	1.200	1.200	1.000		0.300			-1.000		
02RC23	1.200	1.200	1.000			0.300		1.000		
02RC24	1.200	1.200	1.000			0.300		-1.000		
02RC25	1.200	1.200	1.000				0.300	1.000		
02RC26	1.200	1.200	1.000				0.300	-1.000		
02RC27	1.200	1.200	1.000	-0.300				1.000		
02RC28	1.200	1.200	1.000	-0.300				-1.000		
02RC29	1.200	1.200	1.000		-0.300			1.000		
02RC30	1.200	1.200	1.000		-0.300			-1.000		
02RC31	1.200	1.200	1.000			-0.300		1.000		
02RC32	1.200	1.200	1.000			-0.300		-1.000		
02RC33	1.200	1.200	1.000				-0.300	1.000		
02RC34	1.200	1.200	1.000				-0.300	-1.000		
02RC35	0.900	0.900		1.000				0.300		
02RC36	0.900	0.900		1.000				-0.300		
02RC37	0.900	0.900			1.000			0.300		
02RC38	0.900	0.900			1.000			-0.300		
02RC39	0.900	0.900				1.000		0.300		
02RC40	0.900	0.900				1.000		-0.300		

02RC41	0.900	0.900					1.000	0.300		
02RC42	0.900	0.900					1.000	-0.300		
02RC43	0.900	0.900		-1.000				0.300		
02RC44	0.900	0.900		-1.000				-0.300		
02RC45	0.900	0.900			-1.000			0.300		
02RC46	0.900	0.900			-1.000			-0.300		
02RC47	0.900	0.900				-1.000		0.300		
02RC48	0.900	0.900				-1.000		-0.300		
02RC49	0.900	0.900					-1.000	0.300		
02RC50	0.900	0.900					-1.000	-0.300		
02RC51	0.900	0.900		0.300				1.000		
02RC52	0.900	0.900		0.300				-1.000		
02RC53	0.900	0.900			0.300			1.000		
02RC54	0.900	0.900			0.300			-1.000		
02RC55	0.900	0.900				0.300		1.000		
02RC56	0.900	0.900				0.300		-1.000		
02RC57	0.900	0.900					0.300	1.000		
02RC58	0.900	0.900					0.300	-1.000		
02RC59	0.900	0.900		-0.300				1.000		
02RC60	0.900	0.900		-0.300				-1.000		
02RC61	0.900	0.900			-0.300			1.000		
02RC62	0.900	0.900			-0.300			-1.000		
02RC63	0.900	0.900				-0.300		1.000		
02RC64	0.900	0.900				-0.300		-1.000		
02RC65	0.900	0.900					-0.300	1.000		
02RC66	0.900	0.900					-0.300	-1.000		
02RC67	1.200	1.200	1.000						1.600	
02RC68	1.200	1.200	1.000							1.600
02RC69	1.200	1.200	1.000						-1.600	
02RC70	1.200	1.200	1.000							-1.600
02RC71	0.900	0.900							1.600	
02RC72	0.900	0.900								1.600
02RC73	0.900	0.900							-1.600	
02RC74	0.900	0.900								-1.600

5.0 工作載重結構行為限制

A. 梁變形限制

靜載重加活載重	L/240
活載重	L/360

B. 地震力側向變形角限制

最大變形角	5/1000

C. 結構受風力側向加速度限制

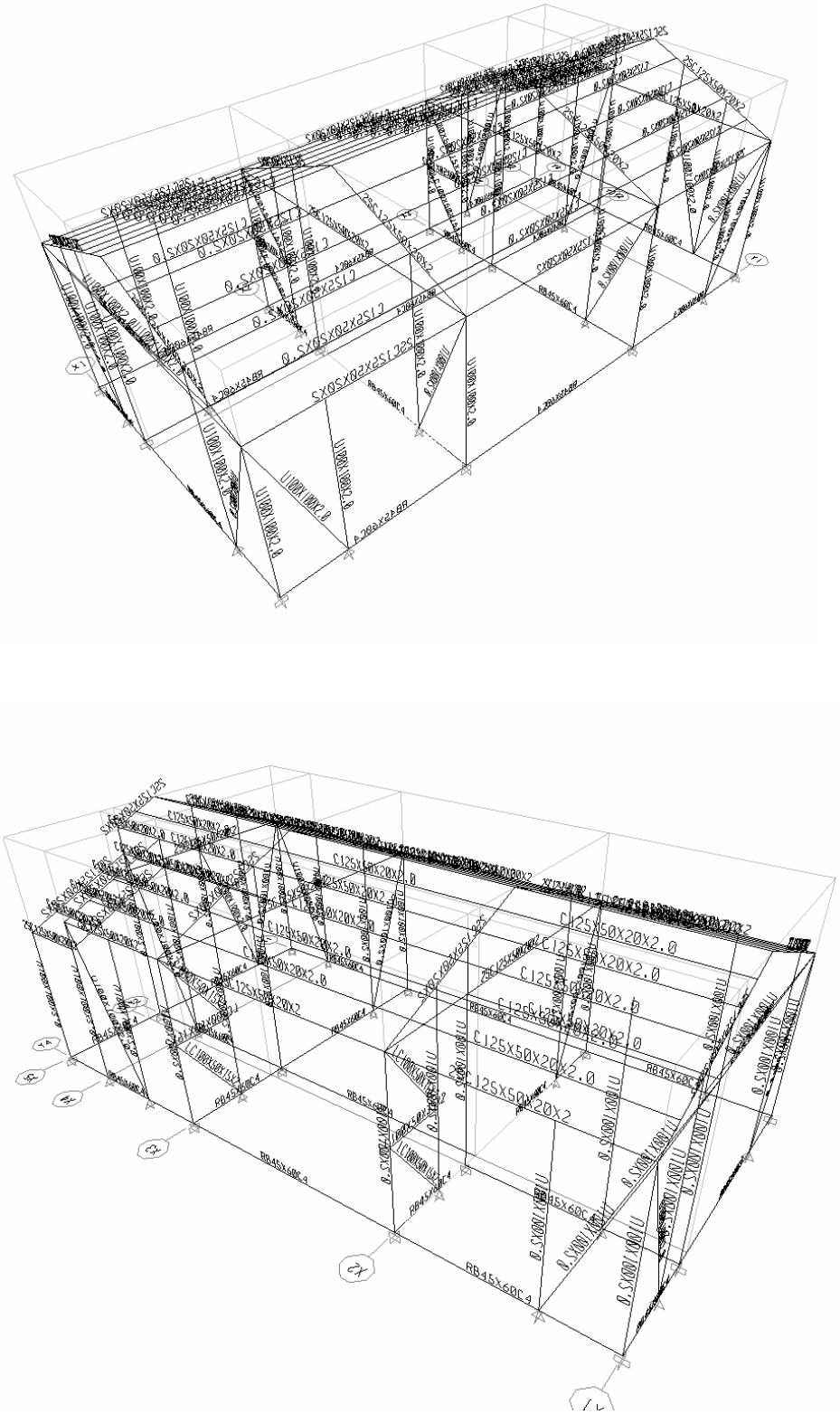
最大加速度	0.005g (0.05 m/sec^2)

6.0 設計規範

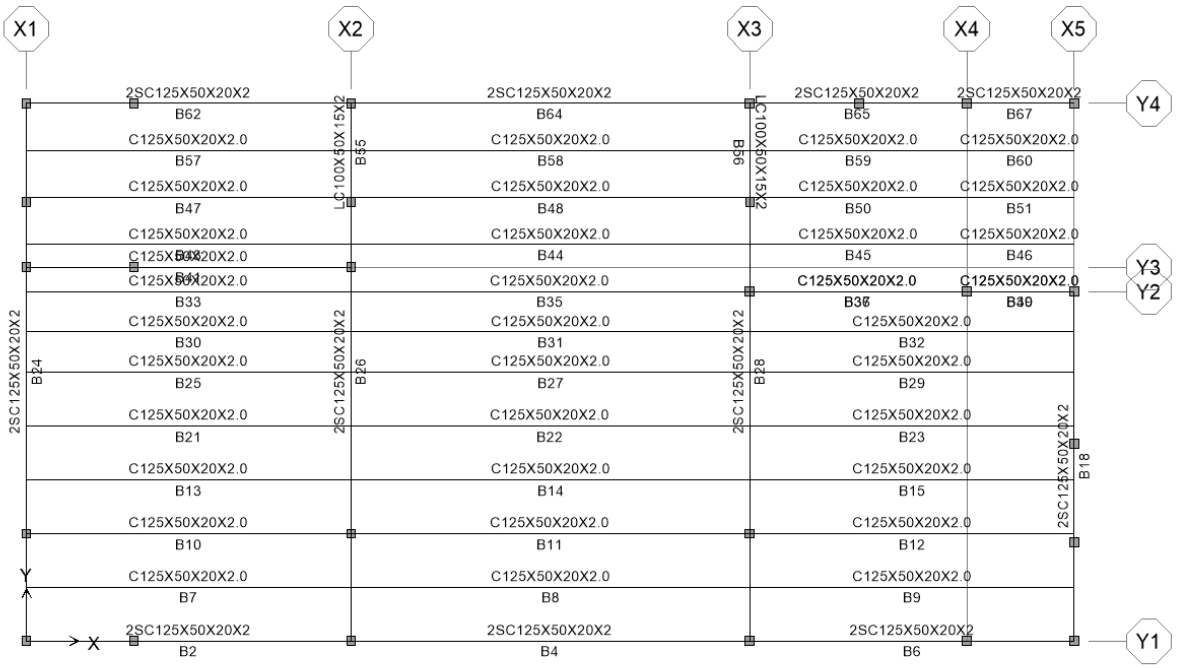
（1） 建築技術規則, 內政部，最新版。
（2） 建築物耐震設計規範及解說，內政部，2011/07。
（3） 建築物基礎構造設計規範，內政部，2001/10。
（4） 混凝土結構設計規範，內政部，2011/07。
（5） 建築物耐風設計規範及解說，內政部，2017/01。
（6） 冷軋型鋼構造建築物結構設計規範及解說，內政部，2015/10
（7） ACI 318-05。

7.0 結構分析程序

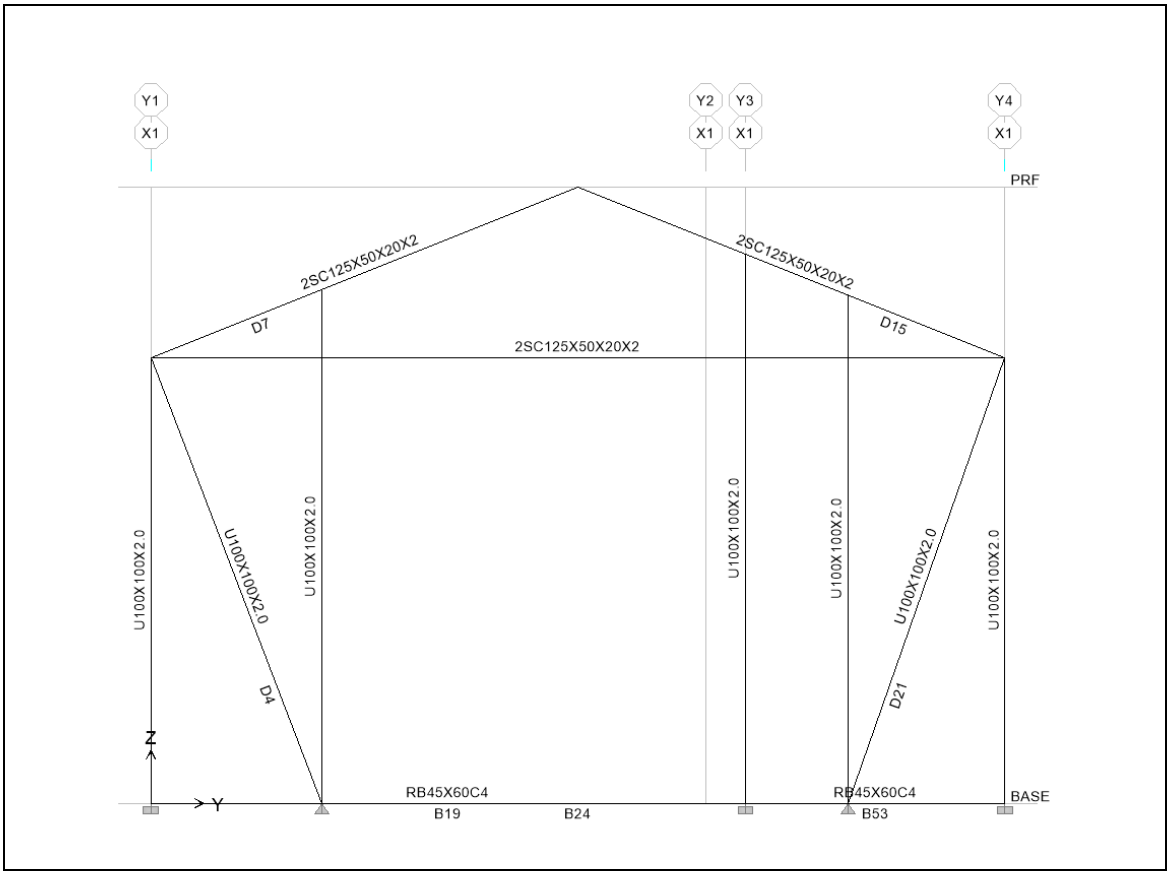
7.1 結構模型



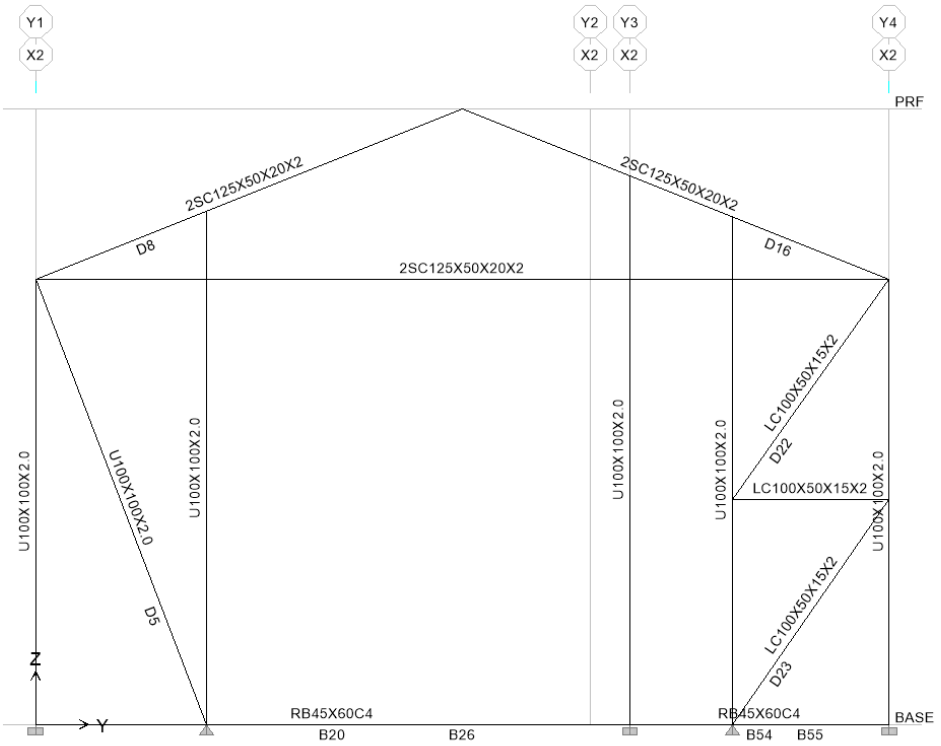
3D view


X1
X2
X3
X4
X5
Y4
Y3
Y2
Y1
2SC125X50X20X2
C125X50X20X2.0
LC100X50X15X2
B62
B64
B65
B67
B57
B58
B59
B60
B47
B48
B50
B51
B44
B45
B46
B33
B35
B30
B31
B32
B24
B26
B28
B25
B27
B29
B21
B22
B23
B18
B13
B14
B15
B10
B11
B12
B7
B8
B9
B2
B4
B6
Y
X

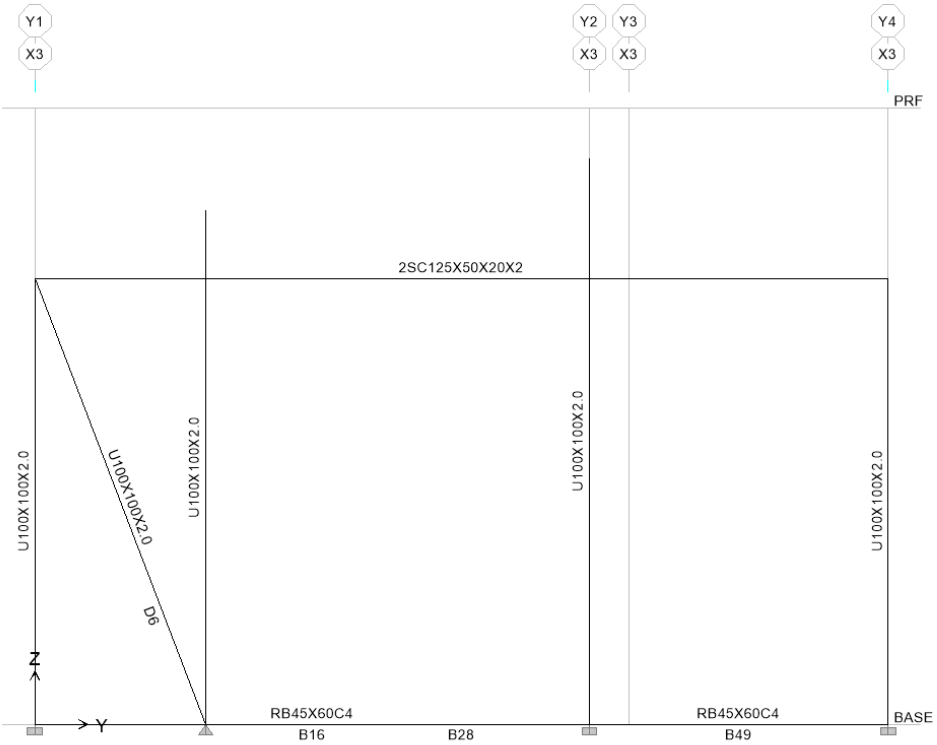
PRF plan


Y1
Y2
Y3
Y4
X1
PRF
2SC125X50X20X2
D7
D15
U100X100X2.0
D4
D21
RB45X60C4
B19
B24
B53
BASE
Z
Y

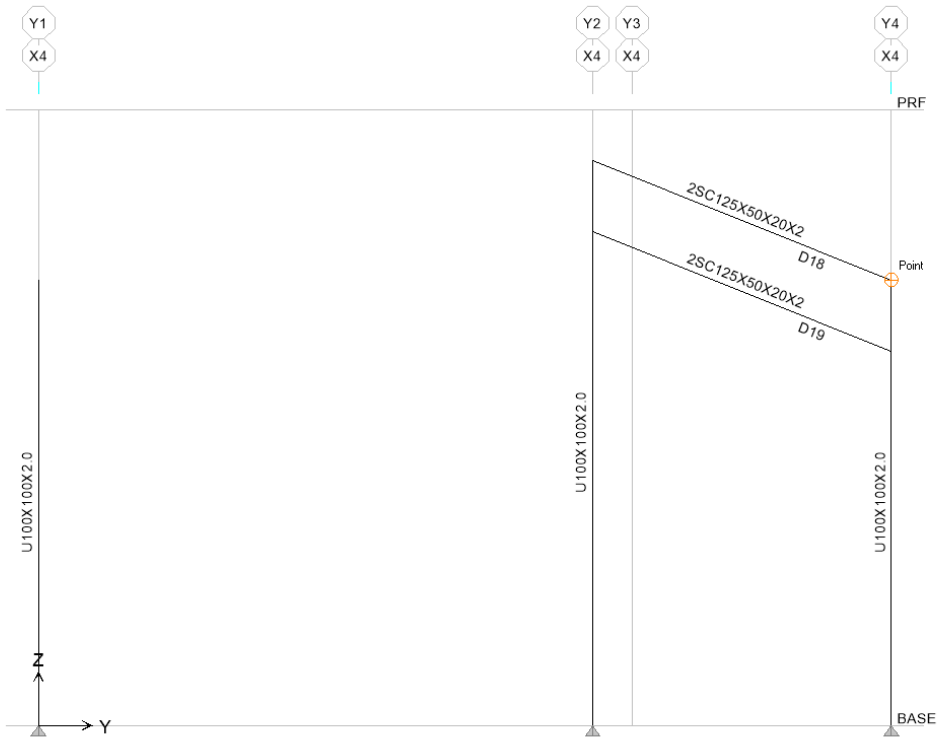
EL Line-X1



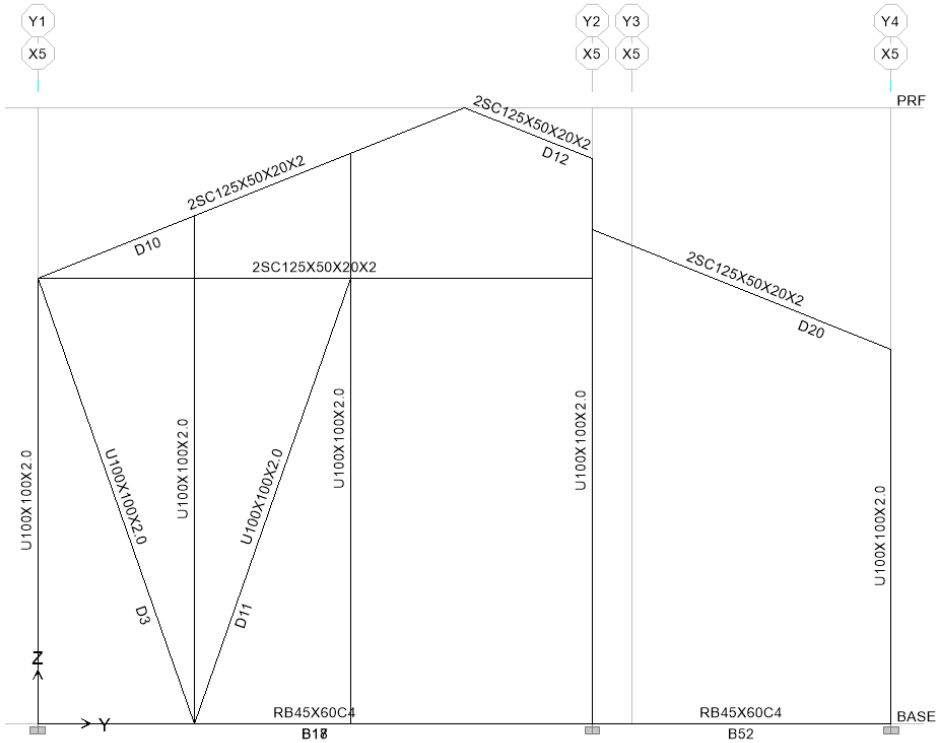
EL Line-X2



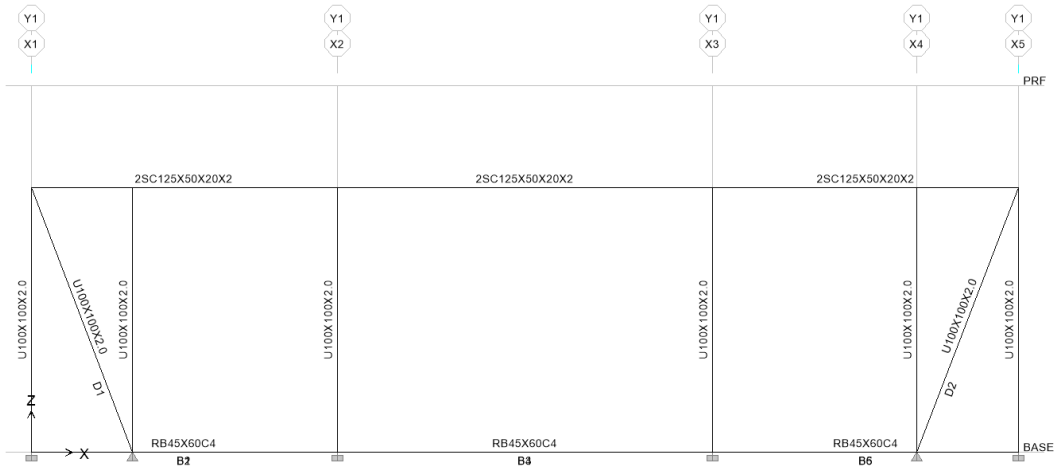
EL Line-X3



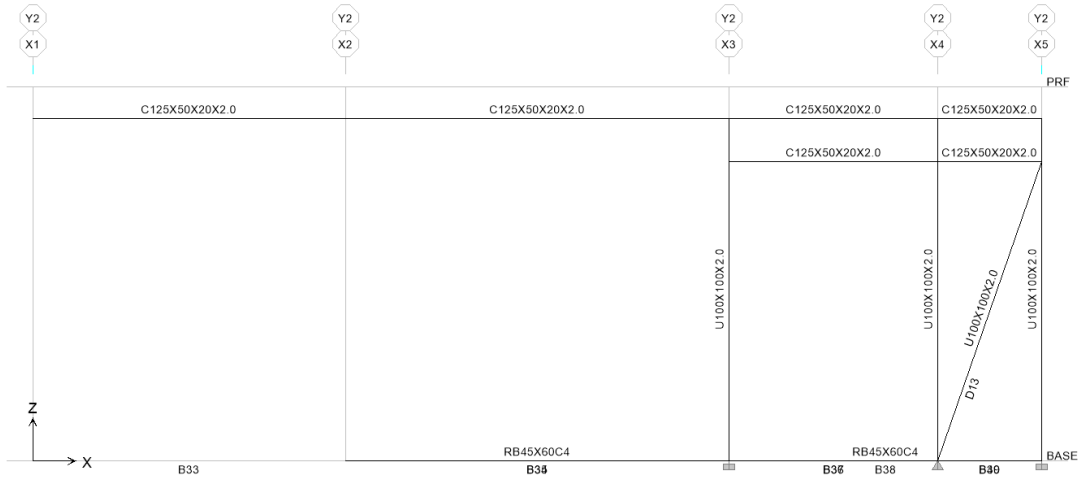
EL Line-X4



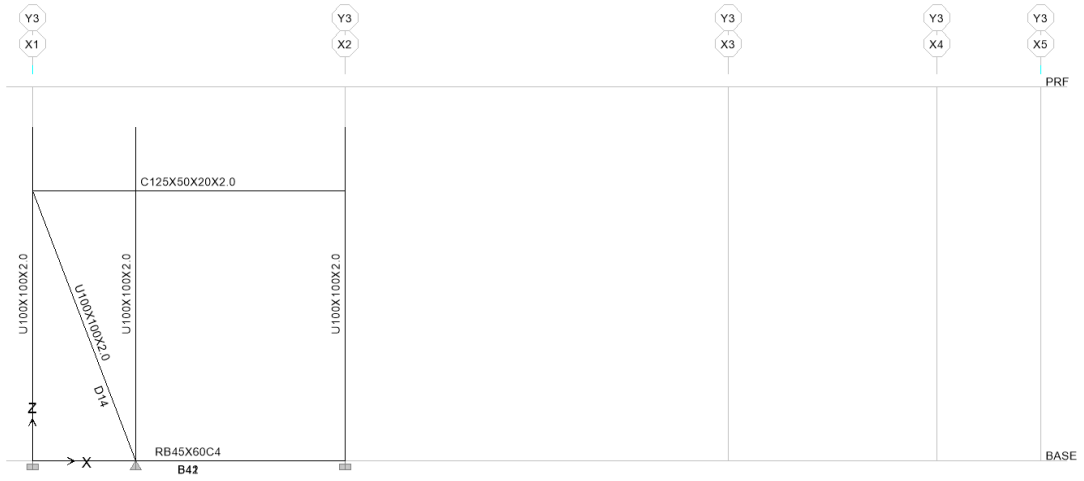
EL Line-X5



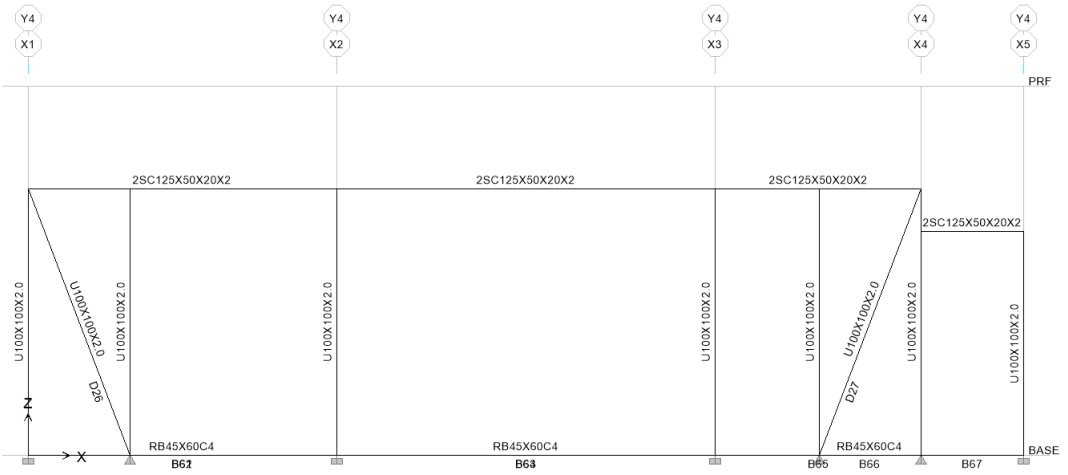
EL Line-Y1



EL Line-Y2



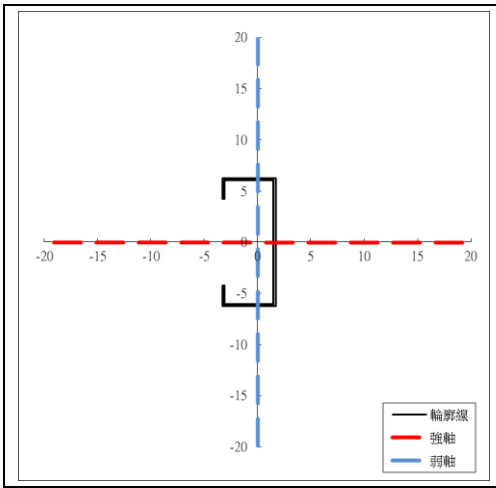
EL Line-Y3



EL Line-Y4

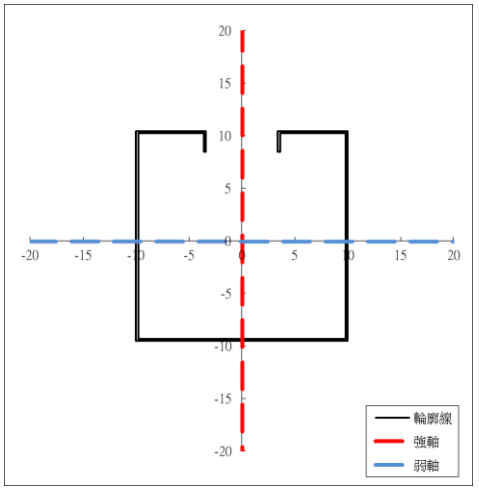
斷面性質

C125x50x20x2.0



斷面積：	A=	5.140	(cm^2)
慣性矩：	Ix=	124.468	(cm^4)
	Iy=	19.025	(cm^4)
斷面模數：	Sx=	19.915	(cm^3)
	Sy=	5.776	(cm^3)

U100x100x2.0

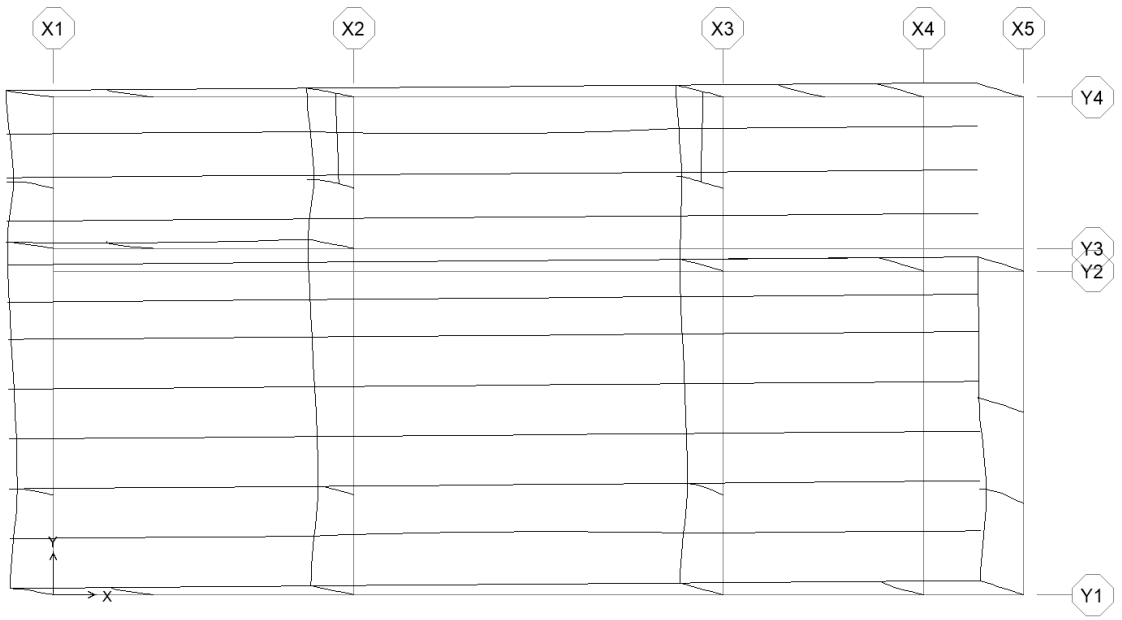


斷面積：	A=	15.200	(cm^2)
慣性矩：	Ix=	955.743	(cm^4)
	Iy=	1038.673	(cm^4)
斷面模數：	Sx=	91.334	(cm^3)
	Sy=	103.867	(cm^3)

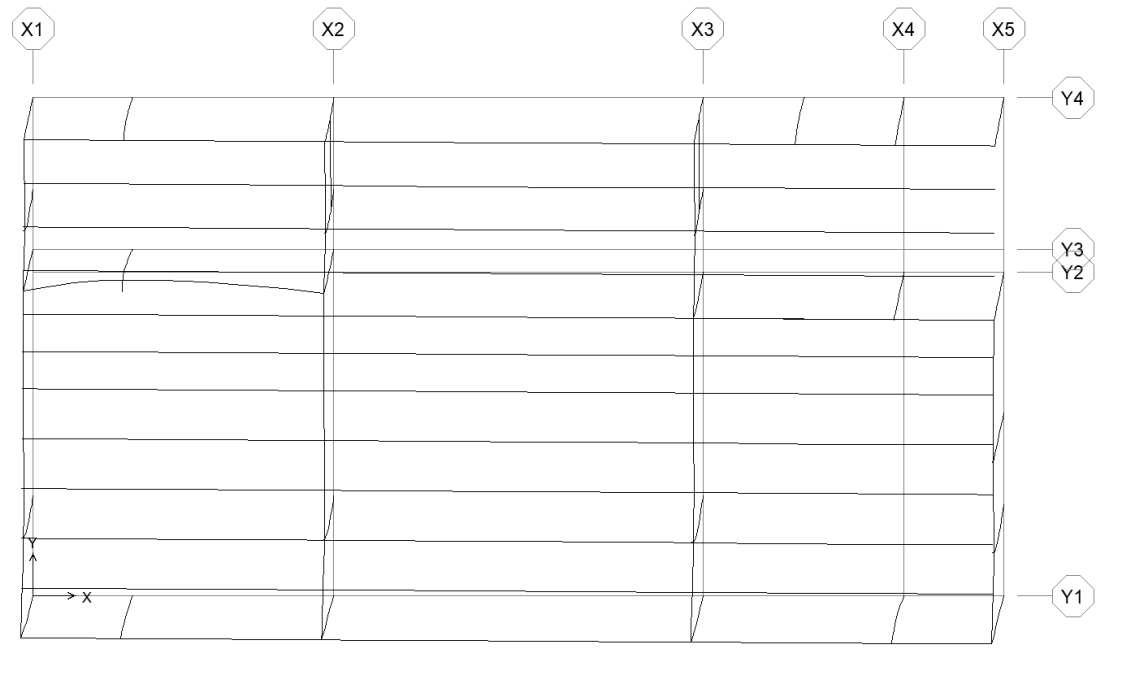
2-C125x50x20x2.0

	彈性係數： $E = 2100000 \quad (kgf/cm^2)$ 斷面積： $A = \frac{\Sigma E \cdot A}{E} = 10.280 \quad (cm^2)$ 慣性矩： $I_x = \frac{\Sigma E \cdot I_x}{E} = 248.937 \quad (cm^4)$ $I_y = \frac{\Sigma E \cdot I_y}{E} = 38.050 \quad (cm^4)$ 斷面模數： $S_x = \frac{\Sigma E \cdot I_x}{E_i \cdot y_i} = 39.830 \quad (cm^3)$ $S_y = \frac{\Sigma E \cdot I_y}{E_i \cdot x_i} = 11.552 \quad (cm^3)$

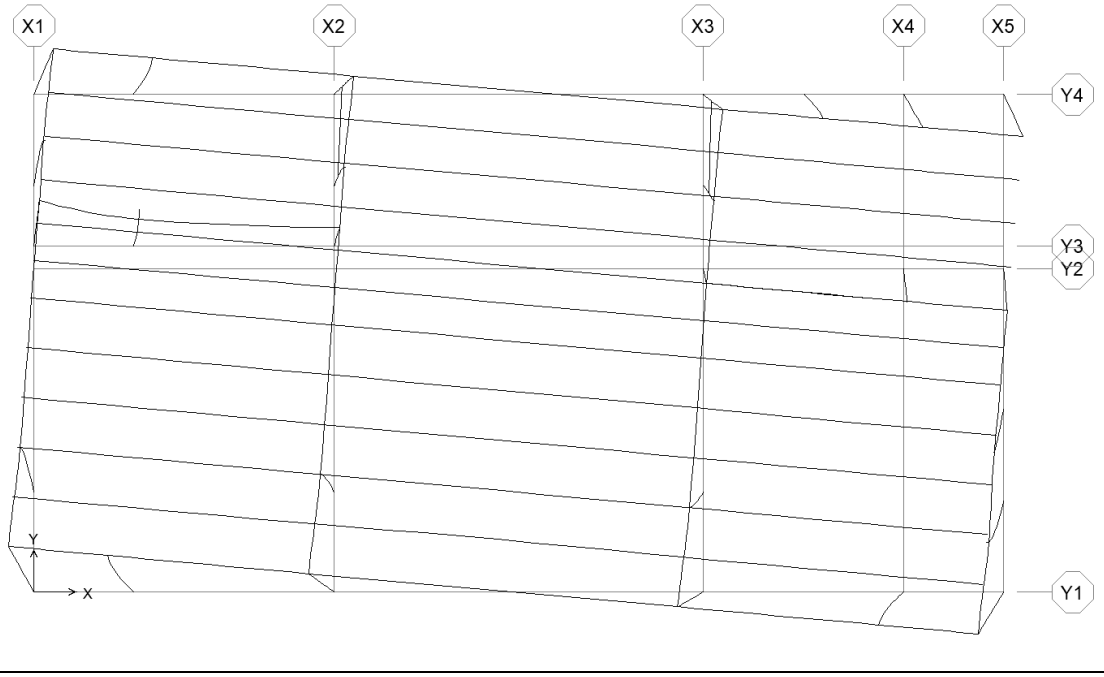
7.2 模態分析



X 向位移模態 T=0.043 (Mode 1)



Y 向位移模態 T=0.039 (Mode 2)



Z 向扭轉模態 T=0.029 (Mode 3)

有效累積振態質量

Mode	Period	UX	UY	RZ	SumUX	SumUY	SumRZ	Remark
1	0.043	94.739	4.903	0.957	94.739	4.903	0.957	X-Dir
2	0.039	5.031	94.753	0.107	99.770	99.656	1.064	Y-Dir
3	0.029	0.230	0.344	98.936	100.000	100.000	100.000	Z-Tor

7.2 鋼結構設計：

根據鋼構造建築物鋼結構設計技術規範，鋼結構極限設計法之相關規定，對稱構材承受彎矩及軸力交互作用時，須滿足公式(8.2-1a)或(8.2-1b)之規定。

當 $\frac{P_u}{\phi P_n} \geq 0.2$ 時

$$\frac{P_u}{\phi P_n} + \frac{8}{9}\left[\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right] \leq 1.0 \qquad (8.2\text{-}1a)$$

當 $\frac{P_u}{\phi P_n} < 0.2$ 時

$$\frac{P_u}{2\phi P_n} + \left[\frac{M_{ux}}{\phi_b M_{nx}} + \frac{M_{uy}}{\phi_b M_{ny}}\right] \leq 1.0 \qquad (8.2\text{-}1b)$$

其中

P_u = 所需之軸拉力或軸壓力強度

P_n = 標稱抗拉強度或標稱抗壓強度

M_u = 所需之撓曲強度

M_n = 標稱之撓曲強度

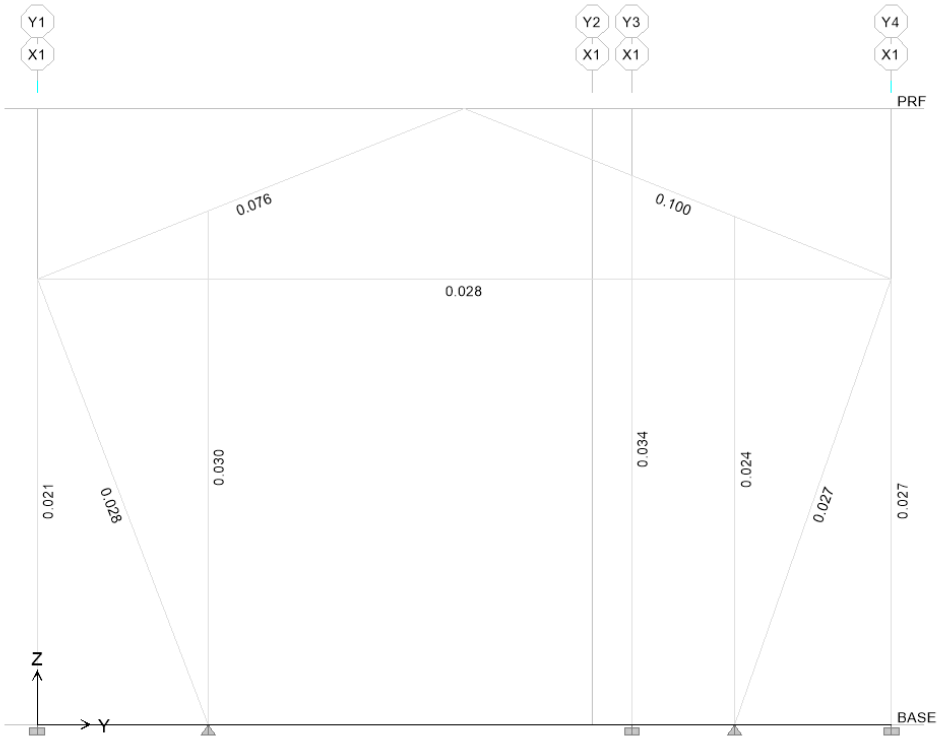
x = 強軸

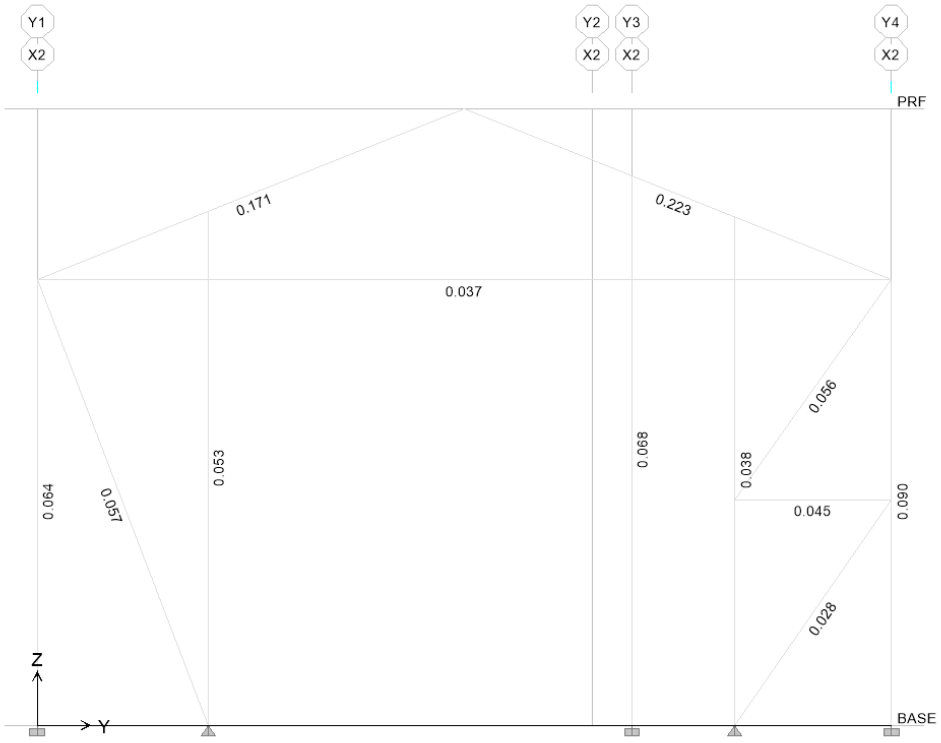
y = 弱軸

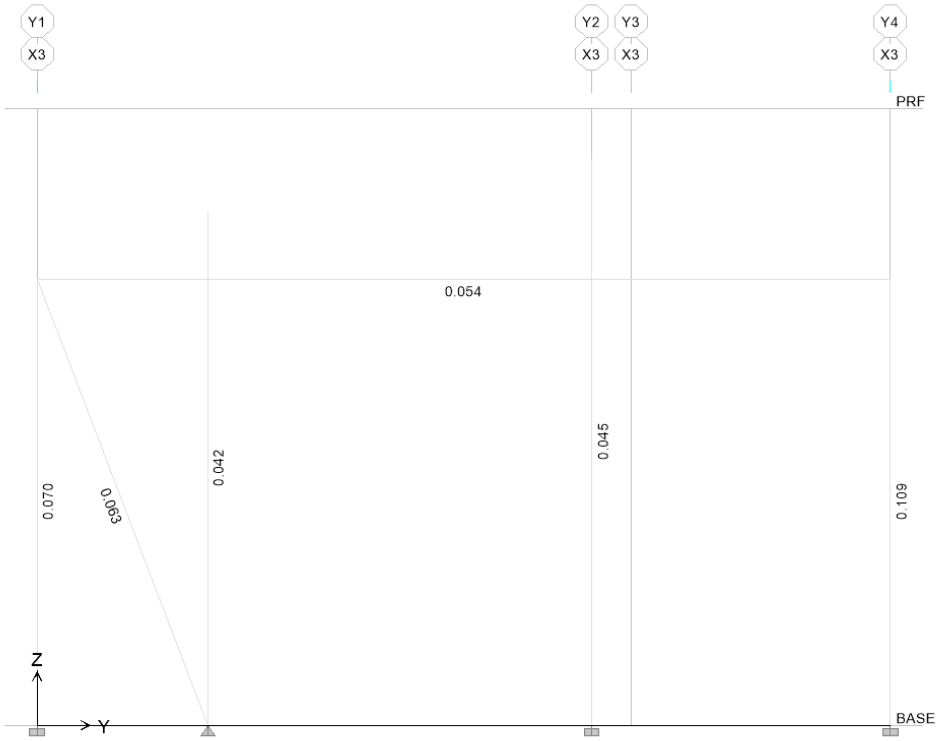
φ = 軸力載重下之強度折減係數

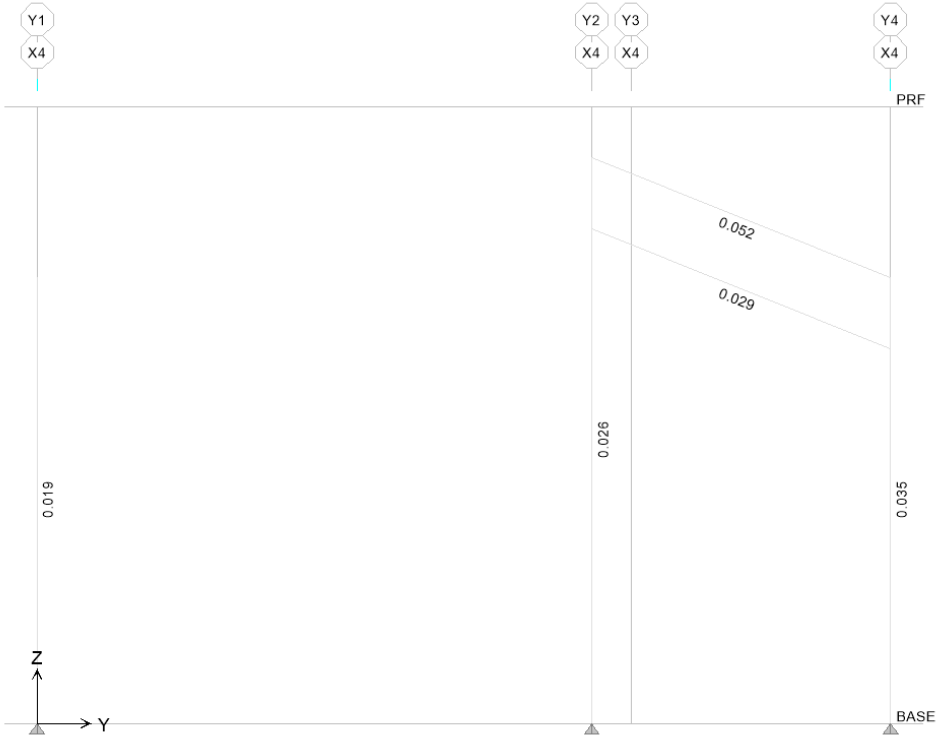
φ_b = 撓曲載重下之強度折減係數

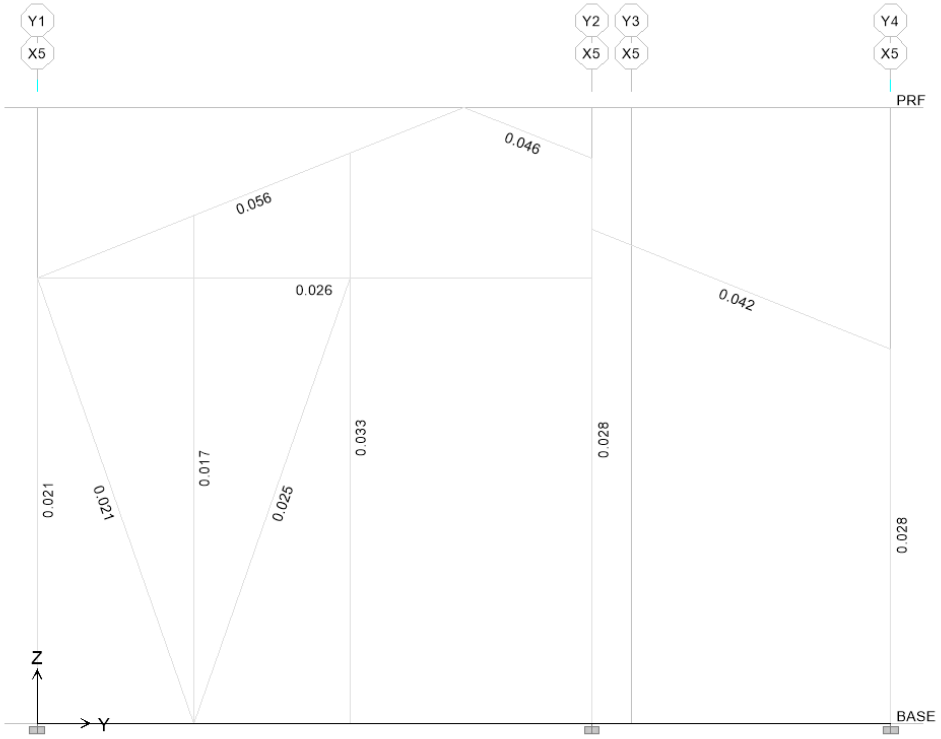
分析模型各桿件的應力比皆小於1.....OK!


Y1
X1
Y2
Y3
X1
X1
Y4
X1
PRF
0.076
0.100
0.028
0.021
0.028
0.030
0.034
0.024
0.027
0.027
Z
Y
BASE


Y1
X2
Y2
Y3
X2
X2
Y4
X2
PRF
0.171
0.223
0.037
0.064
0.057
0.053
0.068
0.038
0.056
0.045
0.090
0.028
Z
Y
BASE


Y1
X3
Y2
Y3
X3
X3
Y4
X3
PRF
0.054
0.070
0.063
0.042
0.045
0.109
Z
Y
BASE


Y1
X4
Y2
Y3
X4
X4
Y4
X4
PRF
0.052
0.029
0.026
0.019
0.035
Z
Y
BASE


Y1
X5
Y2
X5
Y3
X5
Y4
X5
PRF
0.046
0.056
0.026
0.042
0.021
0.021
0.017
0.025
0.033
0.028
0.028
Z
Y
BASE

9.0 基礎設計 / Foundation Design

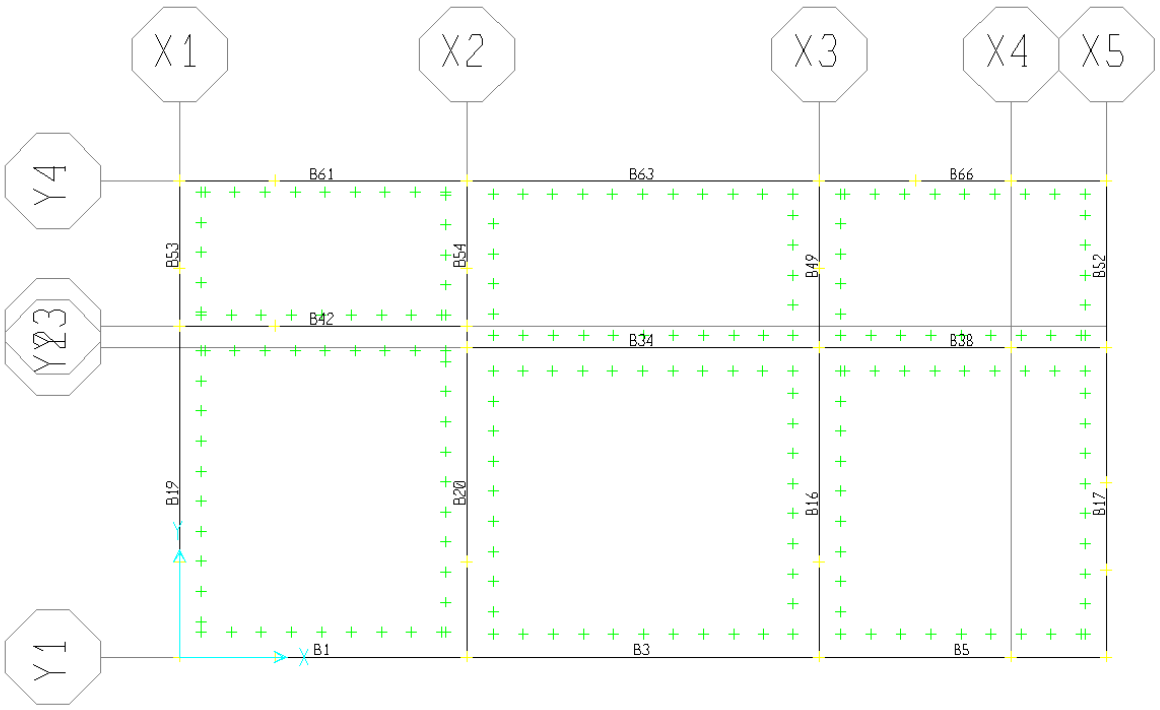
9.1 基礎設計說明

本案基礎設計採 CSI 公司之 2-D 分析軟體”SAFE V8.01”，分析元素包含基礎版、及地梁，版元素下方承受地下水壓上舉水浮力，版元素上方則於柱位置處承受結構傳遞之垂直載重，包含靜載重、活載重及地震力等。將基礎為一柔性體，應用土壤彈簧（Soil Spring）之觀念，將土壤模擬成無受拉彈簧，同時合併基礎地梁、版之勁度進行分析並設計。

9.1.1 分析基本資料

依據鄰近地質鑽探報告，各設計數據如下：

地盤垂直反力係數	$Kv = 1000(tf/m^3)$
常時水位(WAN)	GL -10m
高水位(WAH)	GL -7m
土壤容許乘載力	$q_a > 10\ (tf/m^2)$



基礎結構平面圖

9.1.2 基礎設計載重組合

地震力分析採用法規靜力地震力，將上部結構桿件力傳至基礎。配筋設計採用設計地震力之 1.4αy 倍作為設計載重。分析及配筋設計之載重組合如下：

DL：靜載重(包含自重)

LL：活載重

E：法規地震載重 (EXP、EXN、EYP、EYN)

EXP、EXN：X 向法規靜力地震載重(含正負 5%質心偏移，P 為正，N 為負)

EYP、EYN：Y 向法規靜力地震載重(含正負 5%質心偏移，P 為正，N 為負)

WA：水浮力 (WAH、WAN)

WAH：高水位時之水浮力

WAN：常時水位之水浮力

檢核(乘載力檢核)

1.0DL+1.0WA

1.0DL+1.0LL+1.0WA

1.0DL+1.0LL±1.0E+1.0WA

設計

1.4DL+1.4WA

1.2DL+1.6LL+1.2WA

1.2DL+1.0LL±1.4E

0.9DL±1.4E

	DL	SDL	LL	EXP	EYP	EXN	EYN	WAH	WAN	備註
BASE01	1.000	1.000						1.000		檢核(乘載力檢核)
BASE02	1.000	1.000							1.000	
BASE03	1.000	1.000	1.000					1.000		
BASE04	1.000	1.000	1.000						1.000	
BASE05	1.000	1.000	1.000	1.000				1.000		
BASE06	1.000	1.000	1.000	1.000					1.000	
BASE07	1.000	1.000	1.000		1.000			1.000		
BASE08	1.000	1.000	1.000		1.000				1.000	
BASE09	1.000	1.000	1.000			1.000		1.000		
BASE10	1.000	1.000	1.000			1.000			1.000	
BASE11	1.000	1.000	1.000				1.000	1.000		
BASE12	1.000	1.000	1.000				1.000		1.000	
BASE13	1.000	1.000	1.000	-1.000				1.000		
BASE14	1.000	1.000	1.000	-1.000					1.000	
BASE15	1.000	1.000	1.000		-1.000			1.000		
BASE16	1.000	1.000	1.000		-1.000				1.000	
BASE17	1.000	1.000	1.000			-1.000		1.000		
BASE18	1.000	1.000	1.000			-1.000			1.000	
BASE19	1.000	1.000	1.000				-1.000	1.000		
BASE20	1.000	1.000	1.000				-1.000		1.000	
BASE21	1.400	1.400						1.400		設計
BASE22	1.400	1.400							1.400	
BASE23	1.200	1.200	1.600					1.200		
BASE24	1.200	1.200	1.600						1.200	
BASE25	1.200	1.200	1.000	1.400						
BASE26	1.200	1.200	1.000		1.400					
BASE27	1.200	1.200	1.000			1.400				
BASE28	1.200	1.200	1.000				1.400			
BASE29	1.200	1.200	1.000	-1.400						
BASE30	1.200	1.200	1.000		-1.400					
BASE31	1.200	1.200	1.000			-1.400				
BASE32	1.200	1.200	1.000				-1.400			
BASE33	0.900	0.900		1.400						
BASE34	0.900	0.900			1.400					
BASE35	0.900	0.900				1.400				
BASE36	0.900	0.900					1.400			

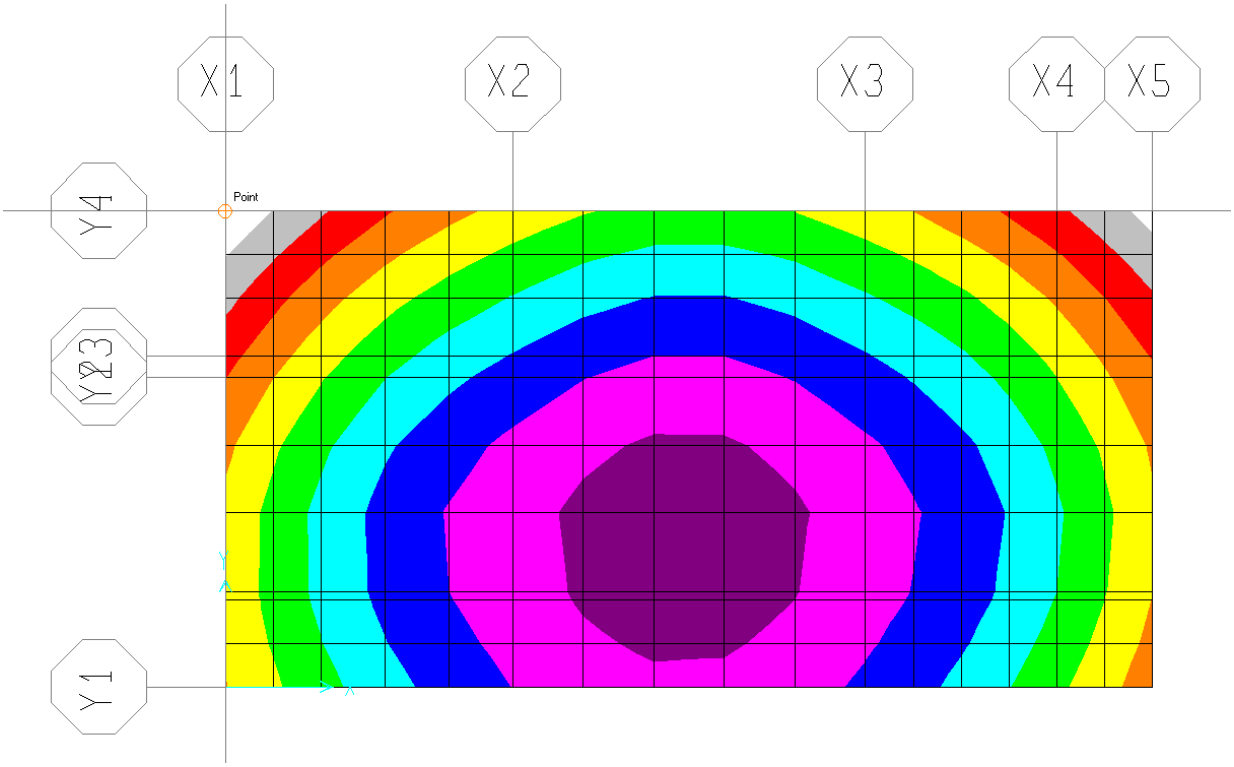
BASE37	0.900	0.900		-1.400						
BASE38	0.900	0.900			-1.400					
BASE39	0.900	0.900				-1.400				
BASE40	0.900	0.900					-1.400			

9.2 基礎分析

9.2.1 分析基本資料

1. 容許承載力檢核：

承載力檢核考慮載重組合為 BASE04



土壤最大反力為 3.421(tf/m^2)<qa=10(tf/m^2)…OK

2. 角變量檢核：

載重組合	基礎最大角變量 η	最大角變量桿件	檢核角變量 η
BASE01	1 /12433	B42	η <1/500...OK
BASE02	1 /12433	B42	η <1/500...OK
BASE03	1 /11868	B42	η <1/500...OK
BASE04	1 /11868	B42	η <1/500...OK
BASE05	1 /12620	B42	η <1/333...OK
BASE06	1 /12620	B42	η <1/333...OK
BASE07	1 /11765	B42	η <1/333...OK
BASE08	1 /11765	B42	η <1/333...OK
BASE09	1 /12612	B42	η <1/333...OK
BASE10	1 /12612	B42	η <1/333...OK
BASE11	1 /11778	B42	η <1/333...OK
BASE12	1 /11778	B42	η <1/333...OK
BASE13	1 /11200	B42	η <1/333...OK
BASE14	1 /11200	B42	η <1/333...OK
BASE15	1 /11972	B42	η <1/333...OK
BASE16	1 /11972	B42	η <1/333...OK
BASE17	1 /11206	B42	η <1/333...OK
BASE18	1 /11206	B42	η <1/333...OK
BASE19	1 /11958	B42	η <1/333...OK
BASE20	1 /11958	B42	η <1/333...OK

3. 基礎最大沉陷量檢核

載重組合	基礎最大沉陷變位 δ (cm)	最大沉陷點	檢核沉陷變位
BASE01	-0.232	63	δ <5.000(cm)...OK
BASE02	-0.232	63	δ <5.000(cm)...OK
BASE03	-0.342	63	δ <5.000(cm)...OK
BASE04	-0.342	63	δ <5.000(cm)...OK
BASE05	-0.342	69	δ <7.500(cm)...OK
BASE06	-0.342	69	δ <7.500(cm)...OK
BASE07	-0.345	63	δ <7.500(cm)...OK
BASE08	-0.345	63	δ <7.500(cm)...OK
BASE09	-0.342	69	δ <7.500(cm)...OK
BASE10	-0.342	69	δ <7.500(cm)...OK
BASE11	-0.345	63	δ <7.500(cm)...OK
BASE12	-0.345	63	δ <7.500(cm)...OK
BASE13	-0.345	63	δ <7.500(cm)...OK
BASE14	-0.345	63	δ <7.500(cm)...OK
BASE15	-0.339	63	δ <7.500(cm)...OK
BASE16	-0.339	63	δ <7.500(cm)...OK
BASE17	-0.346	63	δ <7.500(cm)...OK
BASE18	-0.346	63	δ <7.500(cm)...OK
BASE19	-0.339	63	δ <7.500(cm)...OK
BASE20	-0.339	63	δ <7.500(cm)...OK

9.3 基礎結構設計

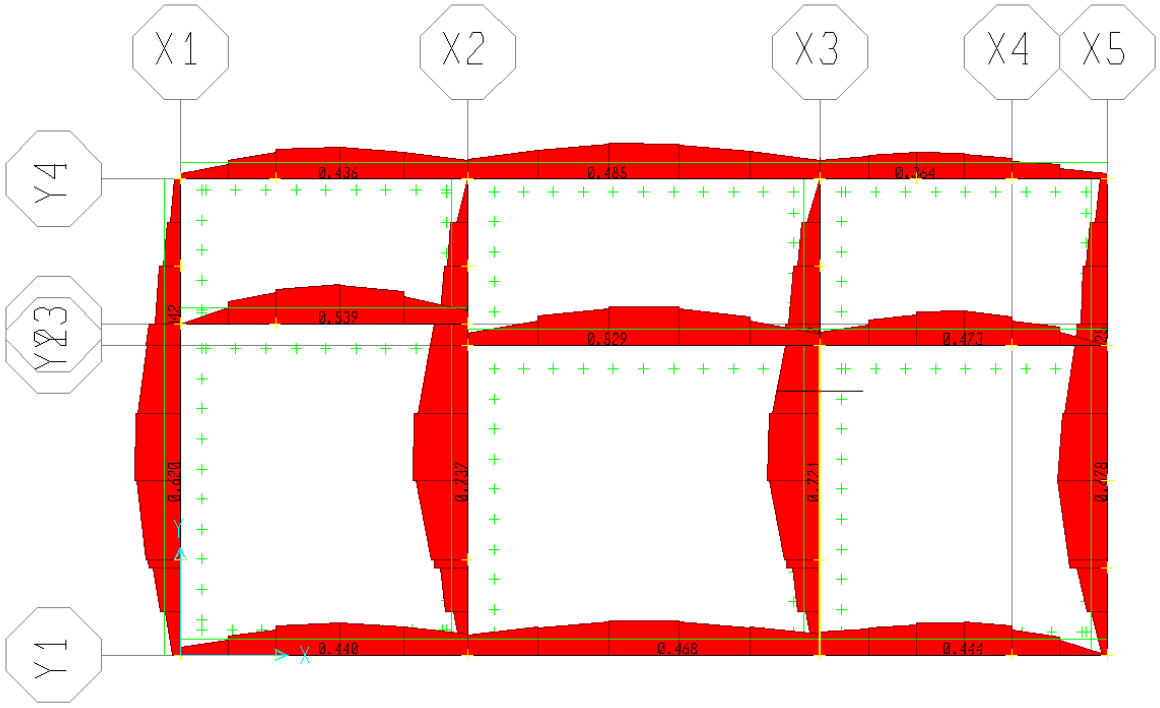
1. 材料強度

混凝土抗壓強度： 280 kgf/cm^2

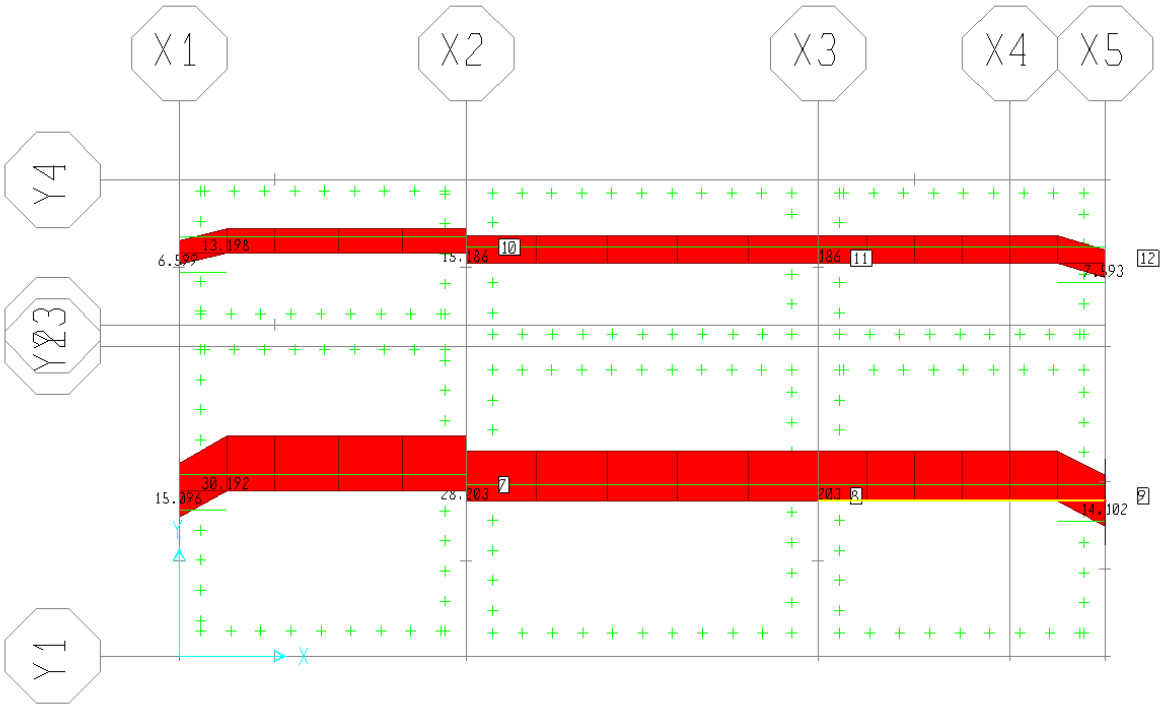
鋼筋降伏強度： 2800kgf/cm^2 (#3 及以下)

4200kgf/cm^2 (#4 及以上)

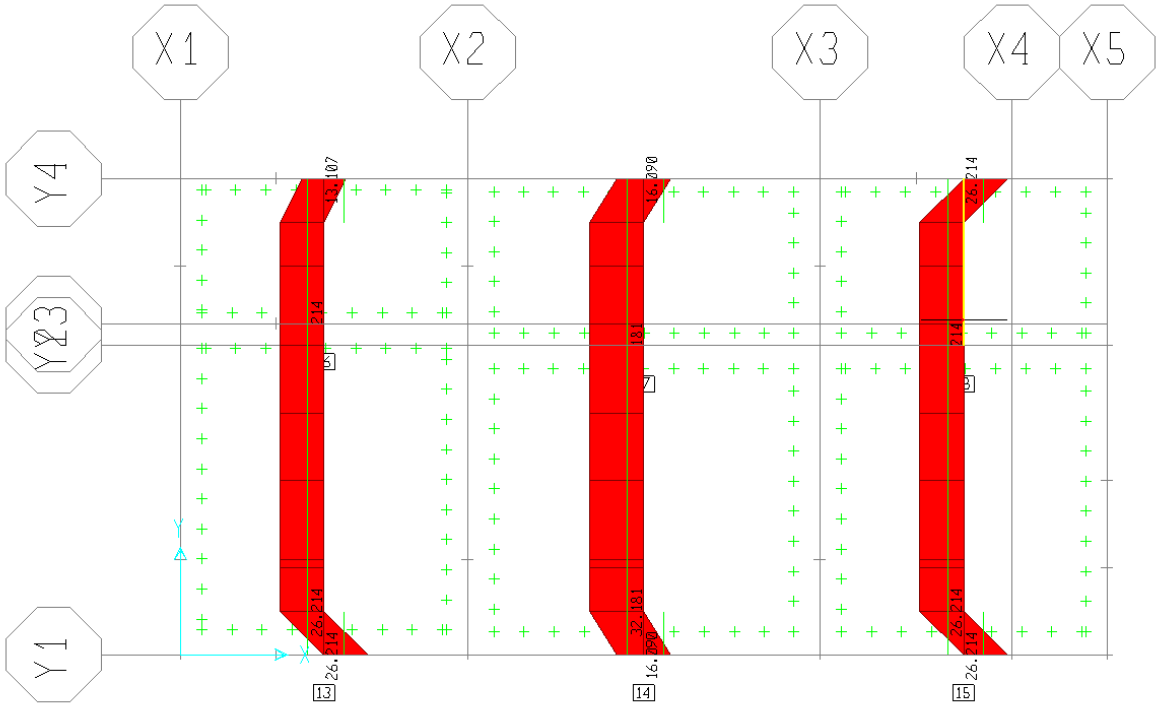
2. 地樑設計



3. 基版 X 向鋼筋需求



4. 基版 Y 向鋼筋需求



附錄

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$ File E:\WORK\2022\2208A\REPORT\SC1-2\220811\附件\2208A-SC1-2-220804-001.e2k saved 8/14/22 22:37:26

$ PROGRAM INFORMATION
  PROGRAM  "ETABS"  VERSION "9.5.0"

$ CONTROLS
  UNITS  "KGF"  "CM"
  TITLE1  "Lo-Lat Structure Studio"
  PREFERENCE  MERGETOL 0.1
  RLLF  METHOD "TRIBAREAUBC97"  USEDEFAULTMIN "YES"

$ STORIES - IN SEQUENCE FROM TOP
  STORY "PRF"  HEIGHT 433.1  MASTERSTORY "Yes"
  STORY "BASE"  ELEV 0

$ DIAPHRAGM NAMES
  DIAPHRAGM "D1"    TYPE RIGID
  DIAPHRAGM "D2"    TYPE RIGID
  DIAPHRAGM "D3"    TYPE RIGID

$ GRIDS
  COORDSYSTEM "GLOBAL"  TYPE "CARTESIAN"  BUBBLESIZE 50
  GRID "GLOBAL"  LABEL "X1"  DIR "X"  COORD 0  GRIDTYPE  "PRIMARY"    BUBBLELOC "DEFAULT"  GRIDHIDE "NO"
  GRID "GLOBAL"  LABEL "X2"  DIR "X"  COORD 362.5  GRIDTYPE  "PRIMARY"    BUBBLELOC "DEFAULT"  GRIDHIDE "NO"
  GRID "GLOBAL"  LABEL "X3"  DIR "X"  COORD 807.5  GRIDTYPE  "PRIMARY"    BUBBLELOC "DEFAULT"  GRIDHIDE "NO"
  GRID "GLOBAL"  LABEL "X4"  DIR "X"  COORD 1049.5  GRIDTYPE  "PRIMARY"    BUBBLELOC "DEFAULT"  GRIDHIDE "NO"
  GRID "GLOBAL"  LABEL "X5"  DIR "X"  COORD 1170  GRIDTYPE  "PRIMARY"    BUBBLELOC "DEFAULT"  GRIDHIDE "NO"
  GRID "GLOBAL"  LABEL "Y1"  DIR "Y"  COORD 0  GRIDTYPE  "PRIMARY"    BUBBLELOC "DEFAULT"  GRIDHIDE "NO"
  GRID "GLOBAL"  LABEL "Y2"  DIR "Y"  COORD 390  GRIDTYPE  "PRIMARY"    BUBBLELOC "DEFAULT"  GRIDHIDE "NO"
  GRID "GLOBAL"  LABEL "Y3"  DIR "Y"  COORD 417.5  GRIDTYPE  "PRIMARY"    BUBBLELOC "DEFAULT"  GRIDHIDE "NO"
  GRID "GLOBAL"  LABEL "Y4"  DIR "Y"  COORD 600  GRIDTYPE  "PRIMARY"    BUBBLELOC "DEFAULT"  GRIDHIDE "NO"

$ MATERIAL PROPERTIES
  MATERIAL  "STEEL"  M 8.010204E-06  W 0.00785  TYPE "ISOTROPIC"  E 2040000  U 0.3  A 1.16999999590917E-05
  MATERIAL  "STEEL"  DESIGNTYPE "STEEL"  FY 2500  FU 4000  PRICE 35
  MATERIAL  "CONC"  M 2.448012E-06  W 0.0024  TYPE "ISOTROPIC"  E 250998  U 0.2  A 9.89999989542412E-06
  MATERIAL  "CONC"  DESIGNTYPE "CONCRETE"  FY 4200  FC 280  FYS 2800
  MATERIAL  "OTHER"  M 7.324016E-12  W 2.83E-07  TYPE "ISOTROPIC"  E 2900  U 0.3  A 6.49999992674566E-06
  MATERIAL  "OTHER"  DESIGNTYPE "OTHER"
  MATERIAL  "SGC440"  M 8.01E-06  W 0.00785  TYPE "ISOTROPIC"  E 2100000  U 0.3  A 1.16999999590917E-05
  MATERIAL  "SGC440"  DESIGNTYPE "STEEL"  FY 3400  FU 4000  PRICE 45
  MATERIAL  "GR50"  M 8.01E-06  W 0.00785  TYPE "ISOTROPIC"  E 2100000  U 0.3  A 1.16999999590917E-05
  MATERIAL  "GR50"  DESIGNTYPE "STEEL"  FY 3500  FU 4000  PRICE 45
  MATERIAL  "6063T5"  M 2.755E-06  W 0.0027  TYPE "ISOTROPIC"  E 730000  U 0.3  A 1.16999999590917E-05
  MATERIAL  "6063T5"  DESIGNTYPE "STEEL"  FY 1120  FU 4000  PRICE 45
  MATERIAL  "C280"  M 2.448E-06  W 0.0024  TYPE "ISOTROPIC"  E 250998  U 0.2  A 9.99999974737875E-06
  MATERIAL  "C280"  DESIGNTYPE "CONCRETE"  FY 4200  FC 280  FYS 4200
  MATERIAL  "MAT1"  M 8.01E-06  W 0.00785  TYPE "ISOTROPIC"  E 2100000  U 0.3  A 1.16999999590917E-05
  MATERIAL  "MAT1"  DESIGNTYPE "STEEL"  FY 2400  FU 4000  PRICE 45

$ FRAME SECTIONS
  FRAMESECTION  "RB30X60C4"  MATERIAL "C280"  SHAPE "Rectangular"  D 60  B 30
  FRAMESECTION  "RC40X60C40610"  MATERIAL "C280"  SHAPE "Rectangular"  D 40  B 60
  FRAMESECTION  "RC40X60C40614"  MATERIAL "C280"  SHAPE "Rectangular"  D 40  B 60
  FRAMESECTION  "RC40X60C40618"  MATERIAL "C280"  SHAPE "Rectangular"  D 40  B 60
  FRAMESECTION  "RC40X60C40622"  MATERIAL "C280"  SHAPE "Rectangular"  D 40  B 60
  FRAMESECTION  "RB45X60C4"  MATERIAL "C280"  SHAPE "Rectangular"  D 60  B 45
  FRAMESECTION  "2SC125X50X20X2"  MATERIAL "SGC440"  SHAPE "General"  D 12.5  B 20  AREA 10.28  TORSION 38.0499  I33 248.9366  I22 38.0499  AS2 2.5
  FRAMESECTION  "U100X100X2.0"  MATERIAL "SGC440"  SHAPE "General"  D 10  B 10  AREA 15.2  TORSION 955.7432  I33 955.7432  I22 1038.673  AS2 4  AS3 4
  FRAMESECTION  "C125X50X20X2.0"  MATERIAL "SGC440"  SHAPE "General"  D 12.5  B 5  AREA 5.14  TORSION 19.02493  I33 124.4683  I22 19.02493  AS2 2.5
  FRAMESECTION  "LC100X50X15X2"  MATERIAL "SGC440"  SHAPE "General"  D 5  B 10  AREA 4.44  TORSION 15.6865  I33 15.6865  I22 71.8012  AS2 2  AS3 2

$ REBAR DEFINITIONS
  REBARDEFINITION  "#3"  AREA  0.7133  DIA  0.953
  REBARDEFINITION  "#4"  AREA  1.267  DIA  1.27
  REBARDEFINITION  "#5"  AREA  1.986  DIA  1.59
  REBARDEFINITION  "#6"  AREA  2.865  DIA  1.91
  REBARDEFINITION  "#7"  AREA  3.871  DIA  2.22
  REBARDEFINITION  "#8"  AREA  5.067  DIA  2.54
  REBARDEFINITION  "#10"  AREA  8.143  DIA  3.22

$ CONCRETE SECTIONS
  CONCRETESECTION  "RC40X60C40610"  TYPE "COLUMN"  PATTERN "R-3-4"  TRANSREINF "TIES"  COVER 6  REBAR "#6"  DESIGNCHECK "CHECK"
  CONCRETESECTION  "RC40X60C40614"  TYPE "COLUMN"  PATTERN "R-4-5"  TRANSREINF "TIES"  COVER 6  REBAR "#6"  DESIGNCHECK "CHECK"
  CONCRETESECTION  "RC40X60C40618"  TYPE "COLUMN"  PATTERN "R-4-7"  TRANSREINF "TIES"  COVER 6  REBAR "#6"  DESIGNCHECK "CHECK"
  CONCRETESECTION  "RC40X60C40622"  TYPE "COLUMN"  PATTERN "R-5-8"  TRANSREINF "TIES"  COVER 6  REBAR "#6"  DESIGNCHECK "CHECK"
  CONCRETESECTION  "RB30X60C4"  TYPE "BEAM"  COVERTOP 7  COVERBOTTOM 7  ATI 0  ABI 0  ATJ 0  ABJ 0
  CONCRETESECTION  "RB45X60C4"  TYPE "BEAM"  COVERTOP 9  COVERBOTTOM 9  ATI 0  ABI 0  ATJ 0  ABJ 0

$ WALL/SLAB/DECK PROPERTIES
  SHELLPROP  "S15"  MATERIAL "C280"  PROPTYPE "SLAB"  TYPE "MEMBRANE"  TM 15  TB 15
  SHELLPROP  "S40"  MATERIAL "C280"  PROPTYPE "SLAB"  TYPE "MEMBRANE"  TM 40  TB 40

$ PIER/SPANDREL NAMES
  PIERNAME  "P1"
  SPANDRELNAME  "S1"

$ POINT COORDINATES
  POINT "1"  0 0
  POINT "1-1"  0 0 120.2
  POINT "2"  120 0
  POINT "2-1"  120 0 120.2
  POINT "3"  362.5 0
  POINT "3-1"  362.5 0 120.2
  POINT "4"  807.5 0
  POINT "4-1"  807.5 0 120.2
  POINT "5"  1049.5 0
  POINT "5-1"  1049.5 0 120.2
  POINT "6"  1170 0
  POINT "6-1"  1170 0 120.2
  POINT "7"  0 60.0000023841858
  POINT "7-1"  0 60.0000023841858 96.16
  POINT "8"  362.5 60.0000023841858
  POINT "8-1"  362.5 60.0000023841858 96.16
  POINT "9"  808.1 60.0000023841858
  POINT "9-1"  808.1 60.0000023841858 96.16
  POINT "10"  1170 60.0000023841858
  POINT "10-1"  1170 60.0000023841858 96.16
  POINT "11"  1170 110.000002384186
  POINT "11-1"  1170 110.000002384186 76.12666
  POINT "12"  0 120.000004768372
  POINT "12-1"  0 120.000004768372 72.12
  POINT "13"  362.5 120.000004768372
  POINT "13-1"  362.5 120.000004768372 72.12
  POINT "14"  807.5 120.000004768372
  POINT "14-1"  807.5 120.000004768372 72.12
  POINT "15"  1170 120.000004768372
  POINT "15-1"  1170 120.000004768372 72.12
  POINT "16"  0 179.999995231628
  POINT "16-1"  0 179.999995231628 48.08
  POINT "17"  362.5 179.999995231628
  POINT "17-1"  362.5 179.999995231628 48.08
  POINT "18"  808.3 179.999995231628
  POINT "18-1"  808.3 179.999995231628 48.08
  POINT "19"  1170 179.999995231628
  POINT "19-1"  1170 179.999995231628 48.08
  POINT "20"  1170 220.000004768372
  POINT "20-1"  1170 220.000004768372 32.05333
  POINT "20-2"  1170 220.000004768372 120.2
  POINT "21"  0 240.000009536743
  POINT "21-1"  0 240.000009536743 24.04
  POINT "22"  362.5 240.000009536743
  POINT "22-1"  362.5 240.000009536743 24.04
  POINT "23"  808 240.000009536743
  POINT "23-1"  808 240.000009536743 24.04
  POINT "24"  1170 240.000009536743
  POINT "24-1"  1170 240.000009536743 24.04
  POINT "25"  0 300
  POINT "26"  362.5 300
  POINT "29"  809 300
  POINT "30"  1170 300
  POINT "33"  0 345.000004768372
  POINT "33-1"  0 345.000004768372 18.03
  POINT "34"  362.5 345.000004768372
  POINT "34-1"  362.5 345.000004768372 18.03
  POINT "35"  808.425 345.000004768372
  POINT "35-1"  808.425 345.000004768372 18.03
  POINT "36"  1170 345.000004768372
  POINT "36-1"  1170 345.000004768372 18.03
  POINT "37"  0 390.000009536743
  POINT "37-1"  0 390.000009536743 36.06
  POINT "38"  362.5 390.000009536743
  POINT "38-1"  362.5 390.000009536743 36.06
  POINT "39"  807.5 390.000009536743
  POINT "39-1"  807.5 390.000009536743 36.06
  POINT "39-2"  807.5 390.000009536743 86.06
  POINT "40"  1049.5 390.000009536743
  POINT "40-1"  1049.5 390.000009536743 36.06
  POINT "40-2"  1049.5 390.000009536743 86.06
  POINT "41"  1170 390.000009536743
  POINT "41-1"  1170 390.000009536743 36.06
  POINT "41-2"  1170 390.000009536743 86.06
  POINT "41-3"  1170 390.000009536743 120.2
  POINT "42"  0 417.500019073486
  POINT "42-1"  0 417.500019073486 47.07833
  POINT "42-2"  0 417.500019073486 120.2
  POINT "43"  120 417.500019073486
  POINT "43-1"  120 417.500019073486 47.07833
  POINT "44"  362.5 417.500019073486
  POINT "44-1"  362.5 417.500019073486 47.07833
  POINT "44-2"  362.5 417.500019073486 120.2
  POINT "45"  0 442.500019073486
  POINT "45-1"  0 442.500019073486 57.095
  POINT "46"  362.5 442.500019073486
  POINT "46-1"  362.5 442.500019073486 57.095
  POINT "47"  808.2625 442.500019073486
  POINT "47-1"  808.2625 442.500019073486 57.095
  POINT "48"  1049.5 442.500019073486
  POINT "48-1"  1049.5 442.500019073486 57.095
  POINT "48-2"  1049.5 442.500019073486 107.095
  POINT "49"  1170 442.500019073486
  POINT "49-1"  1170 442.500019073486 107.095
  POINT "50"  0 490.000009536743
  POINT "50-1"  0 490.000009536743 76.12666
  POINT "51"  362.5 490.000009536743
  POINT "51-1"  362.5 490.000009536743 76.12666
  POINT "51-2"  362.5 490.000009536743 274.9
  POINT "52"  808 490.000009536743
  POINT "52-1"  808 490.000009536743 76.12666
  POINT "52-2"  808 490.000009536743 274.9
  POINT "53"  0 494.999980926514
  POINT "53-1"  0 494.999980926514 78.13
  POINT "54"  362.5 494.999980926514
  POINT "54-1"  362.5 494.999980926514 78.13
  POINT "55"  808.175 494.999980926514
  POINT "55-1"  808.175 494.999980926514 78.13
  POINT "56"  1049.5 494.999980926514
  POINT "56-1"  1049.5 494.999980926514 78.13
  POINT "56-2"  1049.5 494.999980926514 128.13
  POINT "57"  1170 494.999980926514
  POINT "57-1"  1170 494.999980926514 128.13
  POINT "58"  0 547.499990463257
  POINT "58-1"  0 547.499990463257 99.165
  POINT "59"  362.5 547.499990463257
  POINT "59-1"  362.5 547.499990463257 99.165
  POINT "60"  808.0875 547.499990463257
  POINT "60-1"  808.0875 547.499990463257 99.165
  POINT "61"  1049.5 547.499990463257
  POINT "61-1"  1049.5 547.499990463257 99.165
  POINT "61-2"  1049.5 547.499990463257 149.165
  POINT "62"  1170 547.499990463257
  POINT "62-1"  1170 547.499990463257 149.165
  POINT "63"  0 600
  POINT "63-1"  0 600 120.2
  POINT "64"  120 600
  POINT "64-1"  120 600 120.2
  POINT "65"  362.5 600
  POINT "65-1"  362.5 600 120.2
  POINT "65-2"  362.5 600 274.9
  POINT "66"  807.5 600
  POINT "66-1"  807.5 600 120.2
  POINT "66-2"  807.5 600 274.9
  POINT "67"  929.5 600
  POINT "67-1"  929.5 600 120.2
  POINT "68"  1049.5 600
  POINT "68-1"  1049.5 600 120.2
  POINT "68-2"  1049.5 600 170.2
  POINT "69"  1170 600
  POINT "69-1"  1170 600 170.2

$ LINE CONNECTIVITIES
  LINE "C1"  COLUMN "1"  "1"  1
  LINE "C1-1"  COLUMN  "1"  "1-1"  1
  LINE "C2"  COLUMN  "2"  "2"  1
  LINE "C2-1"  COLUMN  "2"  "2-1"  1
  LINE "C3"  COLUMN  "3"  "3"  1
  LINE "C3-1"  COLUMN  "3"  "3-1"  1
  LINE "C4"  COLUMN  "4"  "4"  1
  LINE "C4-1"  COLUMN  "4"  "4-1"  1
  LINE "C5"  COLUMN  "5"  "5"  1
  LINE "C5-1"  COLUMN  "5"  "5-1"  1
  LINE "C6"  COLUMN  "6"  "6"  1
  LINE "C6-1"  COLUMN  "6"  "6-1"  1
  LINE "C7"  COLUMN  "11"  "11"  1
  LINE "C7-1"  COLUMN  "11"  "11-1"  1
  LINE "C8"  COLUMN  "12"  "12"  1
  LINE "C8-1"  COLUMN  "12"  "12-1"  1
  LINE "C9"  COLUMN  "13"  "13"  1
  LINE "C9-1"  COLUMN  "13"  "13-1"  1
  LINE "C10"  COLUMN  "14"  "14"  1
  LINE "C10-1"  COLUMN  "14"  "14-1"  1
  LINE "C11"  COLUMN  "20"  "20"  1
  LINE "C11-1"  COLUMN  "20"  "20-1"  1
  LINE "C12"  COLUMN  "39"  "39"  1
  LINE "C12-1"  COLUMN  "39"  "39-1"  1
  LINE "C13"  COLUMN  "40"  "40"  1
  LINE "C13-1"  COLUMN  "40"  "40-1"  1
  LINE "C14"  COLUMN  "41"  "41"  1
  LINE "C14-1"  COLUMN  "41"  "41-1"  1
  LINE "C15"  COLUMN  "42"  "42"  1
  LINE "C15-1"  COLUMN  "42"  "42-1"  1
  LINE "C16"  COLUMN  "43"  "43"  1
  LINE "C16-1"  COLUMN  "43"  "43-1"  1
  LINE "C17"  COLUMN  "44"  "44"  1
  LINE "C17-1"  COLUMN  "44"  "44-1"  1
  LINE "C18"  COLUMN  "50"  "50"  1
  LINE "C18-1"  COLUMN  "50"  "50-1"  1
  LINE "C19"  COLUMN  "51"  "51"  1
  LINE "C19-1"  COLUMN  "51"  "51-1"  1
  LINE "C20"  COLUMN  "52"  "52"  1
  LINE "C20-1"  COLUMN  "52"  "52-1"  1
  LINE "C21"  COLUMN  "63"  "63"  1
  LINE "C21-1"  COLUMN  "63"  "63-1"  1
  LINE "C22"  COLUMN  "64"  "64"  1
  LINE "C22-1"  COLUMN  "64"  "64-1"  1
  LINE "C23"  COLUMN  "65"  "65"  1
  LINE "C23-1"  COLUMN  "65"  "65-1"  1
  LINE "C24"  COLUMN  "66"  "66"  1
  LINE "C24-1"  COLUMN  "66"  "66-1"  1
  LINE "C25"  COLUMN  "67"  "67"  1
  LINE "C25-1"  COLUMN  "67"  "67-1"  1
  LINE "C26"  COLUMN  "68"  "68"  1
  LINE "C26-1"  COLUMN  "68"  "68-1"  1
  LINE "C27"  COLUMN  "69"  "69"  1
  LINE "C27-1"  COLUMN  "69"  "69-1"  1
  LINE "B1"  BEAM  "1"  "3"  0
  LINE "B2"  BEAM  "1-1"  "3-1"  0
  LINE "B3"  BEAM  "3"  "4"  0
  LINE "B4"  BEAM  "3-1"  "4-1"  0
  LINE "B5"  BEAM  "4"  "6"  0
  LINE "B6"  BEAM  "4-1"  "6-1"  0
  LINE "B7"  BEAM  "7-1"  "8-1"  0
  LINE "B8"  BEAM  "8-1"  "9-1"  0
  LINE "B9"  BEAM  "9-1"  "10-1"  0
  LINE "B10"  BEAM  "12-1"  "13-1"  0
  LINE "B11"  BEAM  "13-1"  "14-1"  0
  LINE "B12"  BEAM  "14-1"  "15-1"  0
  LINE "B13"  BEAM  "16-1"  "17-1"  0
  LINE "B14"  BEAM  "17-1"  "18-1"  0
  LINE "B15"  BEAM  "18-1"  "19-1"  0
  LINE "B16"  BEAM  "4"  "39"  0
  LINE "B17"  BEAM  "6"  "41"  0
  LINE "B18"  BEAM  "6-1"  "41-3"  0
  LINE "B19"  BEAM  "1"  "42"  0
  LINE "B20"  BEAM  "3"  "44"  0
  LINE "B21"  BEAM  "21-1"  "22-1"  0
  LINE "B22"  BEAM  "22-1"  "23-1"  0
  LINE "B23"  BEAM  "23-1"  "24-1"  0
  LINE "B24"  BEAM  "1-1"  "63-1"  0
  LINE "B25"  BEAM  "25"  "26"  0
  LINE "B26"  BEAM  "3-1"  "65-1"  0
  LINE "B27"  BEAM  "26"  "29"  0
```

```
LINE "B28" BEAM "4-1" "66-1" 0
LINE "B29" BEAM "29" "30" 0
LINE "B30" BEAM "33-1" "34-1" 0
LINE "B31" BEAM "34-1" "35-1" 0
LINE "B32" BEAM "35-1" "36-1" 0
LINE "B33" BEAM "37-1" "38-1" 0
LINE "B34" BEAM "38" "39" 0
LINE "B35" BEAM "38-1" "39-1" 0
LINE "B36" BEAM "39-1" "40-1" 0
LINE "B37" BEAM "39-2" "40-2" 0
LINE "B38" BEAM "39" "41" 0
LINE "B39" BEAM "40-1" "41-1" 0
LINE "B40" BEAM "40-2" "41-2" 0
LINE "B41" BEAM "42-2" "44-2" 0
LINE "B42" BEAM "42" "44" 0
LINE "B43" BEAM "45-1" "46-1" 0
LINE "B44" BEAM "46-1" "47-1" 0
LINE "B45" BEAM "47-1" "48-1" 0
LINE "B46" BEAM "48-2" "49-1" 0
LINE "B47" BEAM "53-1" "54-1" 0
LINE "B48" BEAM "54-1" "55-1" 0
LINE "B49" BEAM "39" "66" 0
LINE "B50" BEAM "55-1" "56-1" 0
LINE "B51" BEAM "56-2" "57-1" 0
LINE "B52" BEAM "41" "69" 0
LINE "B53" BEAM "42" "63" 0
LINE "B54" BEAM "44" "65" 0
LINE "B55" BEAM "51-2" "65-2" 0
LINE "B56" BEAM "66-2" "52-2" 0
LINE "B57" BEAM "58-1" "59-1" 0
LINE "B58" BEAM "59-1" "60-1" 0
LINE "B59" BEAM "60-1" "61-1" 0
LINE "B60" BEAM "61-2" "62-1" 0
LINE "B61" BEAM "63" "65" 0
LINE "B62" BEAM "63-1" "65-1" 0
LINE "B63" BEAM "65" "66" 0
LINE "B64" BEAM "65-1" "66-1" 0
LINE "B65" BEAM "66-1" "68-1" 0
LINE "B66" BEAM "66" "69" 0
LINE "B67" BEAM "68-2" "69-1" 0
LINE "D1" BRACE "2" "1-1" 1
LINE "D2" BRACE "5" "6-1" 1
LINE "D3" BRACE "11" "6-1" 1
LINE "D4" BRACE "12" "1-1" 1
LINE "D5" BRACE "13" "3-1" 1
LINE "D6" BRACE "14" "4-1" 1
LINE "D7" BRACE "1-1" "25" 0
LINE "D8" BRACE "3-1" "26" 0
LINE "D9" BRACE "4-1" "29" 0
LINE "D10" BRACE "6-1" "30" 0
LINE "D11" BRACE "11" "20-2" 1
LINE "D12" BRACE "41-1" "30" 0
LINE "D13" BRACE "40" "41-2" 1
LINE "D14" BRACE "43" "42-2" 1
LINE "D15" BRACE "63-1" "25" 0
LINE "D16" BRACE "65-1" "26" 0
LINE "D17" BRACE "66-1" "29" 0
LINE "D18" BRACE "68-1" "40-1" 0
LINE "D19" BRACE "68-2" "40-2" 0
LINE "D20" BRACE "69-1" "41-2" 0
LINE "D21" BRACE "50" "63-1" 1
LINE "D22" BRACE "51-2" "65-1" 0
LINE "D23" BRACE "51" "65-2" 1
LINE "D24" BRACE "52-2" "66-1" 0
LINE "D25" BRACE "52" "66-2" 1
LINE "D26" BRACE "64" "63-1" 1
LINE "D27" BRACE "67" "68-1" 1

$ AREA CONNECTIVITIES
AREA "F1" FLOOR 4 "3" "4" "39" "38" 0 0 0 0
AREA "F2" FLOOR 4 "4" "6" "41" "39" 0 0 0 0
AREA "F3" FLOOR 4 "1" "3" "44" "42" 0 0 0 0
AREA "F4" FLOOR 4 "38" "39" "66" "65" 0 0 0 0
AREA "F5" FLOOR 4 "39" "41" "69" "66" 0 0 0 0
AREA "F6" FLOOR 4 "42" "44" "65" "63" 0 0 0 0

$ POINT ASSIGNS
POINTASSIGN "1" "BASE" DIAPH "D1"
POINTASSIGN "3" "BASE" DIAPH "D1"
POINTASSIGN "4" "BASE" DIAPH "D1"
POINTASSIGN "6" "BASE" DIAPH "D1"
POINTASSIGN "42" "BASE" DIAPH "D1"
POINTASSIGN "44" "BASE" DIAPH "D1"
POINTASSIGN "39" "BASE" DIAPH "D1"
POINTASSIGN "41" "BASE" DIAPH "D1"
POINTASSIGN "63" "BASE" DIAPH "D1"
POINTASSIGN "65" "BASE" DIAPH "D1"
POINTASSIGN "66" "BASE" DIAPH "D1"
POINTASSIGN "69" "BASE" DIAPH "D1"
POINTASSIGN "38" "BASE" DIAPH "D1"
POINTASSIGN "1-1" "PRE" DIAPH "D1"
POINTASSIGN "63-1" "PRE" DIAPH "D1"
POINTASSIGN "50" "PRE" DIAPH "D1"
POINTASSIGN "12" "BASE" DIAPH "D1"
POINTASSIGN "25" "PRE" DIAPH "D1"
POINTASSIGN "50-1" "PRE" DIAPH "D1"
POINTASSIGN "12-1" "PRE" DIAPH "D1"
POINTASSIGN "3-1" "PRE" DIAPH "D1"
POINTASSIGN "65-1" "PRE" DIAPH "D1"
POINTASSIGN "51" "BASE" DIAPH "D1"
POINTASSIGN "13" "BASE" DIAPH "D1"
POINTASSIGN "26" "PRE" DIAPH "D1"
POINTASSIGN "51-1" "PRE" DIAPH "D1"
POINTASSIGN "13-1" "PRE" DIAPH "D1"
POINTASSIGN "44-1" "PRE" DIAPH "D1"
POINTASSIGN "42-1" "PRE" DIAPH "D1"
POINTASSIGN "4-1" "PRE" DIAPH "D1"
POINTASSIGN "66-1" "PRE" DIAPH "D1"
POINTASSIGN "29" "PRE" DIAPH "D1"
POINTASSIGN "52-1" "PRE" DIAPH "D1"
POINTASSIGN "14-1" "PRE" DIAPH "D1"
POINTASSIGN "52" "BASE" DIAPH "D1"
POINTASSIGN "14" "BASE" DIAPH "D1"
POINTASSIGN "39-1" "PRE" DIAPH "D1"
POINTASSIGN "40" "BASE" DIAPH "D1"
POINTASSIGN "68" "BASE" DIAPH "D1"
POINTASSIGN "5-1" "PRE" DIAPH "D1"
POINTASSIGN "68-1" "PRE" DIAPH "D1"
POINTASSIGN "40-1" "PRE" DIAPH "D1"
POINTASSIGN "68-2" "PRE" DIAPH "D1"
POINTASSIGN "40-2" "PRE" DIAPH "D1"
POINTASSIGN "6-1" "PRE" DIAPH "D1"
POINTASSIGN "30" "PRE" DIAPH "D1"
POINTASSIGN "15-1" "PRE" DIAPH "D1"
POINTASSIGN "41-1" "PRE" DIAPH "D1"
POINTASSIGN "11" "BASE" DIAPH "D1"
POINTASSIGN "20" "BASE" DIAPH "D1"
POINTASSIGN "11-1" "PRE" DIAPH "D1"
POINTASSIGN "20-1" "PRE" DIAPH "D1"
POINTASSIGN "20-2" "PRE" DIAPH "D1"
POINTASSIGN "69-1" "PRE" DIAPH "D1"
POINTASSIGN "41-2" "PRE" DIAPH "D1"
POINTASSIGN "41-3" "PRE" DIAPH "D1"
POINTASSIGN "7-1" "PRE" DIAPH "D1"
POINTASSIGN "16-1" "PRE" DIAPH "D1"
POINTASSIGN "21-1" "PRE" DIAPH "D1"
POINTASSIGN "10-1" "PRE" DIAPH "D1"
POINTASSIGN "19-1" "PRE" DIAPH "D1"
POINTASSIGN "24-1" "PRE" DIAPH "D1"
POINTASSIGN "37-1" "PRE" DIAPH "D1"
POINTASSIGN "33-1" "PRE" DIAPH "D1"
POINTASSIGN "36-1" "PRE" DIAPH "D1"
POINTASSIGN "61-1" "PRE" DIAPH "D1"
POINTASSIGN "56-1" "PRE" DIAPH "D1"
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POINTASSIGN "58-1" "PRE" DIAPH "D1"
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POINTASSIGN "45-1" "PRE" DIAPH "D1"
POINTASSIGN "8-1" "PRE" DIAPH "D1"
POINTASSIGN "17-1" "PRE" DIAPH "D1"
POINTASSIGN "22-1" "PRE" DIAPH "D1"
POINTASSIGN "59-1" "PRE" DIAPH "D1"
POINTASSIGN "54-1" "PRE" DIAPH "D1"
POINTASSIGN "46-1" "PRE" DIAPH "D1"
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POINTASSIGN "34-1" "PRE" DIAPH "D1"
POINTASSIGN "9-1" "PRE" DIAPH "D1"
POINTASSIGN "18-1" "PRE" DIAPH "D1"
POINTASSIGN "23-1" "PRE" DIAPH "D1"
POINTASSIGN "60-1" "PRE" DIAPH "D1"
POINTASSIGN "55-1" "PRE" DIAPH "D1"
POINTASSIGN "47-1" "PRE" DIAPH "D1"
POINTASSIGN "35-1" "PRE" DIAPH "D1"
POINTASSIGN "61-2" "PRE" DIAPH "D1"
POINTASSIGN "56-2" "PRE" DIAPH "D1"
POINTASSIGN "48-2" "PRE" DIAPH "D1"
POINTASSIGN "62-1" "PRE" DIAPH "D1"
POINTASSIGN "57-1" "PRE" DIAPH "D1"
POINTASSIGN "49-1" "PRE" DIAPH "D1"
POINTASSIGN "5" "BASE" DIAPH "D1"
POINTASSIGN "2" "BASE" DIAPH "D1"
POINTASSIGN "2-1" "PRE" DIAPH "D1"
POINTASSIGN "43" "BASE" DIAPH "D1"
POINTASSIGN "43-1" "PRE" DIAPH "D1"
POINTASSIGN "42-2" "PRE" DIAPH "D1"
POINTASSIGN "44-2" "PRE" DIAPH "D1"
POINTASSIGN "39-2" "PRE" DIAPH "D1"
POINTASSIGN "64" "BASE" DIAPH "D1"
POINTASSIGN "64-1" "PRE" DIAPH "D1"
POINTASSIGN "67" "BASE" DIAPH "D1"
POINTASSIGN "67-1" "PRE" DIAPH "D1"
POINTASSIGN "1" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "3" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "4" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "6" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "42" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "44" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "39" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "41" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "63" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "65" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "66" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "69" "BASE" RESTRAINT "UX UY UZ RX RY RZ"
POINTASSIGN "50" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "12" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "51" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "13" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "52" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "14" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "40" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "68" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "5" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "2" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "43" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "64" "BASE" RESTRAINT "UX UY UZ"
POINTASSIGN "67" "BASE" RESTRAINT "UX UY UZ"

$ LINE ASSIGNS
LINEASSIGN "B1" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B3" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B5" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B19" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B42" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B34" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B38" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B53" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B61" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B63" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B66" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B20" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B54" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B16" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B49" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B17" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B52" "BASE" SECTION "RB45X60C4" ANG 0 MAXSTASPC 50 RIGIDZONE 0.5 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "C1-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C21-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C18-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C8-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "B4" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "D21" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C3-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C23-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C19-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C9-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "B26" "PRE" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D5" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C17-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "B55" "PRE" SECTION "LC100X50X15X2" ANG 0 MAXSTASPC 50 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D22" "PRE" SECTION "LC100X50X15X2" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "D23" "PRE" SECTION "LC100X50X15X2" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C4-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C24-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C20-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C10-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "B28" "PRE" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D6" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C12-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "B56" "PRE" SECTION "LC100X50X15X2" ANG 0 MAXSTASPC 50 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D24" "PRE" SECTION "LC100X50X15X2" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "D25" "PRE" SECTION "LC100X50X15X2" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C26-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C13-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C6-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C7-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "D3" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "B18" "PRE" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "C11-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "D11" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C14-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "C27-1" "PRE" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "D7" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D10" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D18" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "D15" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D8" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D16" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D9" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D17" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D12" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B7" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B8" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B9" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B10" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B11" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B12" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B13" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B14" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B15" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B21" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B22" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B23" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B25" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B27" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B29" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B2" "PRE" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B4" "PRE" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B6" "PRE" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B30" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B31" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B32" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B33" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B35" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B36" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B39" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B43" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B44" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B45" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B57" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B58" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B59" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B47" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B48" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B50" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "D19" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "D20" "PRE" SECTION "2SC125X50X20X2" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
LINEASSIGN "B46" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B51" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B60" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B40" "PRE" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B67" "PRE" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8 MESH "POINTSANDLINES"
LINEASSIGN "B62" "PRE" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8 MESH "POINTSANDLINES"
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 LINEASSIGN "B64" "PRF" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8   MESH "POINTSANDLINES"
 LINEASSIGN "B65" "PRF" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8   MESH "POINTSANDLINES"
 LINEASSIGN "C5-1" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "C2-1" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "D1" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "D2" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "D13" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "C16-1" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "B24" "PRF" SECTION "2SC125X50X20X2" ANG 0 MAXSTASPC 50 CARDINALPT 8   MESH "POINTSANDLINES"
 LINEASSIGN "C15-1" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "D14" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "B41" "PRF" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8   MESH "POINTSANDLINES"
 LINEASSIGN "B37" "PRF" SECTION "C125X50X20X2.0" ANG 0 MAXSTASPC 50 RELEASE "PINNED" CARDINALPT 8   MESH "POINTSANDLINES"
 LINEASSIGN "C22-1" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "D26" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "C25-1" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"
 LINEASSIGN "D27" "PRF" SECTION "U100X100X2.0" ANG 0 MINNUMSTA 3 MESH "POINTSANDLINES"

$ AREA ASSIGNS
 AREAASSIGN "F3" "BASE" SECTION "S40" OBJMESHTYPE "DEFAULT"
 AREAASSIGN "F1" "BASE" SECTION "S40" OBJMESHTYPE "DEFAULT"
 AREAASSIGN "F2" "BASE" SECTION "S40" OBJMESHTYPE "DEFAULT"
 AREAASSIGN "F6" "BASE" SECTION "S40" OBJMESHTYPE "DEFAULT"
 AREAASSIGN "F4" "BASE" SECTION "S40" OBJMESHTYPE "DEFAULT"
 AREAASSIGN "F5" "BASE" SECTION "S40" OBJMESHTYPE "DEFAULT"
 AREAASSIGN "F3" "BASE" "SPRING3" 1
 AREAASSIGN "F1" "BASE" "SPRING3" 1
 AREAASSIGN "F2" "BASE" "SPRING3" 1
 AREAASSIGN "F6" "BASE" "SPRING3" 1
 AREAASSIGN "F4" "BASE" "SPRING3" 1
 AREAASSIGN "F5" "BASE" "SPRING3" 1

$ STATIC LOADS
 LOADCASE "DL" TYPE "DEAD" SELFWEIGHT 1
 LOADCASE "SDL" TYPE "SUPERDEAD" SELFWEIGHT 0
 LOADCASE "LL" TYPE "LIVE" SELFWEIGHT 0
 LOADCASE "EXP" TYPE "QUAKE" SELFWEIGHT 0
 LOADCASE "EYP" TYPE "QUAKE" SELFWEIGHT 0
 LOADCASE "EXN" TYPE "QUAKE" SELFWEIGHT 0
 LOADCASE "EYN" TYPE "QUAKE" SELFWEIGHT 0
 LOADCASE "WX" TYPE "WIND" SELFWEIGHT 0
 LOADCASE "WY" TYPE "WIND" SELFWEIGHT 0
 LOADCASE "WAH" TYPE "OTHER" SELFWEIGHT 0
 LOADCASE "WAN" TYPE "OTHER" SELFWEIGHT 0
 SEISMIC "EXP" "USER_COEFF" DIR "X+ECC" ECC 0.05 TOPSTORY "PRF" BOTTOMSTORY "BASE" SHEARCOEFF 0.25 HEIGHTEXPONENT 1
 SEISMIC "EYP" "USER_COEFF" DIR "Y+ECC" ECC 0.05 TOPSTORY "PRF" BOTTOMSTORY "BASE" SHEARCOEFF 0.25 HEIGHTEXPONENT 1
 SEISMIC "EXN" "USER_COEFF" DIR "X-ECC" ECC 0.05 TOPSTORY "PRF" BOTTOMSTORY "BASE" SHEARCOEFF 0.25 HEIGHTEXPONENT 1
 SEISMIC "EYN" "USER_COEFF" DIR "Y-ECC" ECC 0.05 TOPSTORY "PRF" BOTTOMSTORY "BASE" SHEARCOEFF 0.25 HEIGHTEXPONENT 1
 WIND "WX" "USER"
 WIND "WX" USERLOAD "PRF" "D1" FX 3249 XLOC 550 YLOC 300
 WIND "WY" "USER"
 WIND "WY" USERLOAD "PRF" "D1" FY 6335.55 XLOC 550 YLOC 300

$ POINT OBJECT LOADS

$ LINE OBJECT LOADS
 LINELOAD "B7" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B8" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B9" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B10" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B11" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B12" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B13" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B14" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B15" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B21" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B22" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B23" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B25" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B27" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B29" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B2" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B4" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B6" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B30" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B31" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B32" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B33" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B35" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B36" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B39" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B43" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B44" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B45" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B57" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B58" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B59" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B47" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B48" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B50" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B46" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B51" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B60" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B40" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B67" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B62" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B64" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B65" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B41" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B37" "PRF" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.24
 LINELOAD "B7" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B8" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B9" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B10" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B11" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B12" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B13" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B14" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B15" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B21" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B22" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B23" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B25" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B27" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B29" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B2" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B4" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B6" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B30" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B31" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B32" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B33" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B35" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B36" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B39" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B43" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B44" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B45" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B57" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B58" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B59" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B47" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B48" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B50" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B46" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B51" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B60" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B40" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B67" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B62" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B64" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B65" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B41" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B37" "PRF" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.36
 LINELOAD "B7" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B8" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B9" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B10" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B11" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B12" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B13" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B14" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B15" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B21" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B22" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B23" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B25" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B27" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B29" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B2" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B4" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B6" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B30" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B31" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
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 LINELOAD "B33" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B35" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B36" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B39" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B43" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B44" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B45" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B57" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B58" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B59" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B47" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B48" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B50" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B46" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B51" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B60" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B40" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B67" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B62" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B64" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B65" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B41" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68
 LINELOAD "B37" "PRF" TYPE "UNIFF" DIR "GRAV" LC "WX" FVAL -1.68

$ AREA OBJECT LOADS
 AREALOAD "F3" "BASE" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.03
 AREALOAD "F1" "BASE" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.03
 AREALOAD "F2" "BASE" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.03
 AREALOAD "F6" "BASE" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.03
 AREALOAD "F4" "BASE" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.03
 AREALOAD "F5" "BASE" TYPE "UNIFF" DIR "GRAV" LC "SDL" FVAL 0.03
 AREALOAD "F3" "BASE" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.1
 AREALOAD "F1" "BASE" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.1
 AREALOAD "F2" "BASE" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.1
 AREALOAD "F6" "BASE" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.1
 AREALOAD "F4" "BASE" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.1
 AREALOAD "F5" "BASE" TYPE "UNIFF" DIR "GRAV" LC "LL" FVAL 0.1

$ ANALYSIS OPTIONS
 ACTIVEDOF "UX UY UZ RX RY RZ"
 DYNAMICS MODES 15 MODETYPE "EIGEN" TOL 0.0000001
 MASSOPTIONS GRAVITY 980.665 SOURCE "LOADS" LATERALONLY "YES" STORYLEVELONLY "YES"
 MASSOPTIONS LOAD "DL" FACTOR 1
 MASSOPTIONS LOAD "SDL" FACTOR 1

$ LOAD COMBINATIONS
 COMBO "EZ" TYPE "ADD"
 COMBO "EZ" LOAD "DL" SF 0.122
 COMBO "EZ" LOAD "SDL" SF 0.122
 COMBO "02RC01" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC01" LOAD "DL" SF 1.4
 COMBO "02RC01" LOAD "SDL" SF 1.4
 COMBO "02RC02" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC02" LOAD "DL" SF 1.2
 COMBO "02RC02" LOAD "SDL" SF 1.2
 COMBO "02RC02" LOAD "LL" SF 1.6
 COMBO "02RC03" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC03" LOAD "DL" SF 1.2
 COMBO "02RC03" LOAD "SDL" SF 1.2
 COMBO "02RC03" LOAD "LL" SF 1
 COMBO "02RC03" LOAD "EXP" SF 1
 COMBO "02RC03" COMBO "EZ" SF 0.3
 COMBO "02RC04" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC04" LOAD "DL" SF 1.2
 COMBO "02RC04" LOAD "SDL" SF 1.2
 COMBO "02RC04" LOAD "LL" SF 1
 COMBO "02RC04" LOAD "EXP" SF 1
 COMBO "02RC04" COMBO "EZ" SF -0.3
 COMBO "02RC05" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC05" LOAD "DL" SF 1.2
 COMBO "02RC05" LOAD "SDL" SF 1.2
 COMBO "02RC05" LOAD "LL" SF 1
 COMBO "02RC05" LOAD "EYP" SF 1
 COMBO "02RC05" COMBO "EZ" SF 0.3
 COMBO "02RC06" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC06" LOAD "DL" SF 1.2
 COMBO "02RC06" LOAD "SDL" SF 1.2
 COMBO "02RC06" LOAD "LL" SF 1
 COMBO "02RC06" LOAD "EYP" SF 1
 COMBO "02RC06" COMBO "EZ" SF -0.3
 COMBO "02RC07" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC07" LOAD "DL" SF 1.2
 COMBO "02RC07" LOAD "SDL" SF 1.2
 COMBO "02RC07" LOAD "LL" SF 1
 COMBO "02RC07" LOAD "EXN" SF 1
 COMBO "02RC07" COMBO "EZ" SF 0.3
 COMBO "02RC08" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC08" LOAD "DL" SF 1.2
 COMBO "02RC08" LOAD "SDL" SF 1.2
 COMBO "02RC08" LOAD "LL" SF 1
 COMBO "02RC08" LOAD "EXN" SF 1
 COMBO "02RC08" COMBO "EZ" SF -0.3
 COMBO "02RC09" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC09" LOAD "DL" SF 1.2
 COMBO "02RC09" LOAD "SDL" SF 1.2
 COMBO "02RC09" LOAD "LL" SF 1
 COMBO "02RC09" LOAD "EYN" SF 1
 COMBO "02RC09" COMBO "EZ" SF 0.3
 COMBO "02RC10" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC10" LOAD "DL" SF 1.2
 COMBO "02RC10" LOAD "SDL" SF 1.2
 COMBO "02RC10" LOAD "LL" SF 1
 COMBO "02RC10" LOAD "EYN" SF 1
 COMBO "02RC10" COMBO "EZ" SF -0.3
 COMBO "02RC11" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC11" LOAD "DL" SF 1.2
 COMBO "02RC11" LOAD "SDL" SF 1.2
 COMBO "02RC11" LOAD "LL" SF 1
 COMBO "02RC11" LOAD "EXP" SF -1
 COMBO "02RC11" COMBO "EZ" SF 0.3
 COMBO "02RC12" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC12" LOAD "DL" SF 1.2
 COMBO "02RC12" LOAD "SDL" SF 1.2
 COMBO "02RC12" LOAD "LL" SF 1
 COMBO "02RC12" LOAD "EXP" SF -1
 COMBO "02RC12" COMBO "EZ" SF -0.3
 COMBO "02RC13" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC13" LOAD "DL" SF 1.2
 COMBO "02RC13" LOAD "SDL" SF 1.2
 COMBO "02RC13" LOAD "LL" SF 1
 COMBO "02RC13" LOAD "EYP" SF -1
 COMBO "02RC13" COMBO "EZ" SF 0.3
 COMBO "02RC14" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC14" LOAD "DL" SF 1.2
 COMBO "02RC14" LOAD "SDL" SF 1.2
 COMBO "02RC14" LOAD "LL" SF 1
 COMBO "02RC14" LOAD "EYP" SF -1
 COMBO "02RC14" COMBO "EZ" SF -0.3
 COMBO "02RC15" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC15" LOAD "DL" SF 1.2
 COMBO "02RC15" LOAD "SDL" SF 1.2
 COMBO "02RC15" LOAD "LL" SF 1
 COMBO "02RC15" LOAD "EXN" SF -1
 COMBO "02RC15" COMBO "EZ" SF 0.3
 COMBO "02RC16" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC16" LOAD "DL" SF 1.2
 COMBO "02RC16" LOAD "SDL" SF 1.2
 COMBO "02RC16" LOAD "LL" SF 1
 COMBO "02RC16" LOAD "EXN" SF -1
 COMBO "02RC16" COMBO "EZ" SF -0.3
 COMBO "02RC17" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
 COMBO "02RC17" LOAD "DL" SF 1.2
 COMBO "02RC17" LOAD "SDL" SF 1.2
 COMBO "02RC17" LOAD "LL" SF 1
 COMBO "02RC17" LOAD "EYN" SF -1
 COMBO "02RC17" COMBO "EZ" SF 0.3
 COMBO "02RC18" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
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COMBO "02RC18" LOAD "DL" SF 1.2
COMBO "02RC18" LOAD "SDL" SF 1.2
COMBO "02RC18" LOAD "LL" SF 1
COMBO "02RC18" LOAD "EYN" SF -1
COMBO "02RC18" COMBO "EZ" SF -0.3
COMBO "02RC19" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC19" LOAD "DL" SF 1.2
COMBO "02RC19" LOAD "SDL" SF 1.2
COMBO "02RC19" LOAD "LL" SF 1
COMBO "02RC19" LOAD "EXP" SF 0.3
COMBO "02RC19" COMBO "EZ" SF 1
COMBO "02RC20" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC20" LOAD "DL" SF 1.2
COMBO "02RC20" LOAD "SDL" SF 1.2
COMBO "02RC20" LOAD "LL" SF 1
COMBO "02RC20" LOAD "EXP" SF 0.3
COMBO "02RC20" COMBO "EZ" SF -1
COMBO "02RC21" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC21" LOAD "DL" SF 1.2
COMBO "02RC21" LOAD "SDL" SF 1.2
COMBO "02RC21" LOAD "LL" SF 1
COMBO "02RC21" LOAD "EYP" SF 0.3
COMBO "02RC21" COMBO "EZ" SF 1
COMBO "02RC22" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC22" LOAD "DL" SF 1.2
COMBO "02RC22" LOAD "SDL" SF 1.2
COMBO "02RC22" LOAD "LL" SF 1
COMBO "02RC22" LOAD "EYP" SF 0.3
COMBO "02RC22" COMBO "EZ" SF -1
COMBO "02RC23" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC23" LOAD "DL" SF 1.2
COMBO "02RC23" LOAD "SDL" SF 1.2
COMBO "02RC23" LOAD "LL" SF 1
COMBO "02RC23" LOAD "EXN" SF 0.3
COMBO "02RC23" COMBO "EZ" SF 1
COMBO "02RC24" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC24" LOAD "DL" SF 1.2
COMBO "02RC24" LOAD "SDL" SF 1.2
COMBO "02RC24" LOAD "LL" SF 1
COMBO "02RC24" LOAD "EXN" SF 0.3
COMBO "02RC24" COMBO "EZ" SF -1
COMBO "02RC25" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC25" LOAD "DL" SF 1.2
COMBO "02RC25" LOAD "SDL" SF 1.2
COMBO "02RC25" LOAD "LL" SF 1
COMBO "02RC25" LOAD "EYN" SF 0.3
COMBO "02RC25" COMBO "EZ" SF 1
COMBO "02RC26" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC26" LOAD "DL" SF 1.2
COMBO "02RC26" LOAD "SDL" SF 1.2
COMBO "02RC26" LOAD "LL" SF 1
COMBO "02RC26" LOAD "EYN" SF 0.3
COMBO "02RC26" COMBO "EZ" SF -1
COMBO "02RC27" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC27" LOAD "DL" SF 1.2
COMBO "02RC27" LOAD "SDL" SF 1.2
COMBO "02RC27" LOAD "LL" SF 1
COMBO "02RC27" LOAD "EXP" SF -0.3
COMBO "02RC27" COMBO "EZ" SF 1
COMBO "02RC28" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC28" LOAD "DL" SF 1.2
COMBO "02RC28" LOAD "SDL" SF 1.2
COMBO "02RC28" LOAD "LL" SF 1
COMBO "02RC28" LOAD "EXP" SF -0.3
COMBO "02RC28" COMBO "EZ" SF -1
COMBO "02RC29" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC29" LOAD "DL" SF 1.2
COMBO "02RC29" LOAD "SDL" SF 1.2
COMBO "02RC29" LOAD "LL" SF 1
COMBO "02RC29" LOAD "EYP" SF -0.3
COMBO "02RC29" COMBO "EZ" SF 1
COMBO "02RC30" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC30" LOAD "DL" SF 1.2
COMBO "02RC30" LOAD "SDL" SF 1.2
COMBO "02RC30" LOAD "LL" SF 1
COMBO "02RC30" LOAD "EYP" SF -0.3
COMBO "02RC30" COMBO "EZ" SF -1
COMBO "02RC31" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC31" LOAD "DL" SF 1.2
COMBO "02RC31" LOAD "SDL" SF 1.2
COMBO "02RC31" LOAD "LL" SF 1
COMBO "02RC31" LOAD "EXN" SF -0.3
COMBO "02RC31" COMBO "EZ" SF 1
COMBO "02RC32" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC32" LOAD "DL" SF 1.2
COMBO "02RC32" LOAD "SDL" SF 1.2
COMBO "02RC32" LOAD "LL" SF 1
COMBO "02RC32" LOAD "EXN" SF -0.3
COMBO "02RC32" COMBO "EZ" SF -1
COMBO "02RC33" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC33" LOAD "DL" SF 1.2
COMBO "02RC33" LOAD "SDL" SF 1.2
COMBO "02RC33" LOAD "LL" SF 1
COMBO "02RC33" LOAD "EYN" SF -0.3
COMBO "02RC33" COMBO "EZ" SF 1
COMBO "02RC34" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC34" LOAD "DL" SF 1.2
COMBO "02RC34" LOAD "SDL" SF 1.2
COMBO "02RC34" LOAD "LL" SF 1
COMBO "02RC34" LOAD "EYN" SF -0.3
COMBO "02RC34" COMBO "EZ" SF -1
COMBO "02RC35" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC35" LOAD "DL" SF 0.9
COMBO "02RC35" LOAD "SDL" SF 0.9
COMBO "02RC35" LOAD "EXP" SF 1
COMBO "02RC35" COMBO "EZ" SF 0.3
COMBO "02RC36" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC36" LOAD "DL" SF 0.9
COMBO "02RC36" LOAD "SDL" SF 0.9
COMBO "02RC36" LOAD "EXP" SF 1
COMBO "02RC36" COMBO "EZ" SF -0.3
COMBO "02RC37" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC37" LOAD "DL" SF 0.9
COMBO "02RC37" LOAD "SDL" SF 0.9
COMBO "02RC37" LOAD "EYP" SF 1
COMBO "02RC37" COMBO "EZ" SF 0.3
COMBO "02RC38" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC38" LOAD "DL" SF 0.9
COMBO "02RC38" LOAD "SDL" SF 0.9
COMBO "02RC38" LOAD "EYP" SF 1
COMBO "02RC38" COMBO "EZ" SF -0.3
COMBO "02RC39" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC39" LOAD "DL" SF 0.9
COMBO "02RC39" LOAD "SDL" SF 0.9
COMBO "02RC39" LOAD "EXN" SF 1
COMBO "02RC39" COMBO "EZ" SF 0.3
COMBO "02RC40" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC40" LOAD "DL" SF 0.9
COMBO "02RC40" LOAD "SDL" SF 0.9
COMBO "02RC40" LOAD "EXN" SF 1
COMBO "02RC40" COMBO "EZ" SF -0.3
COMBO "02RC41" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC41" LOAD "DL" SF 0.9
COMBO "02RC41" LOAD "SDL" SF 0.9
COMBO "02RC41" LOAD "EYN" SF 1
COMBO "02RC41" COMBO "EZ" SF 0.3
COMBO "02RC42" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC42" LOAD "DL" SF 0.9
COMBO "02RC42" LOAD "SDL" SF 0.9
COMBO "02RC42" LOAD "EYN" SF 1
COMBO "02RC42" COMBO "EZ" SF -0.3
COMBO "02RC43" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC43" LOAD "DL" SF 0.9
COMBO "02RC43" LOAD "SDL" SF 0.9
COMBO "02RC43" LOAD "EXP" SF -1
COMBO "02RC43" COMBO "EZ" SF 0.3
COMBO "02RC44" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC44" LOAD "DL" SF 0.9
COMBO "02RC44" LOAD "SDL" SF 0.9
COMBO "02RC44" LOAD "EXP" SF -1
COMBO "02RC44" COMBO "EZ" SF -0.3
COMBO "02RC45" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC45" LOAD "DL" SF 0.9
COMBO "02RC45" LOAD "SDL" SF 0.9
COMBO "02RC45" LOAD "EYP" SF -1
COMBO "02RC45" COMBO "EZ" SF 0.3
COMBO "02RC46" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC46" LOAD "DL" SF 0.9
COMBO "02RC46" LOAD "SDL" SF 0.9
COMBO "02RC46" LOAD "EYP" SF -1
COMBO "02RC46" COMBO "EZ" SF -0.3
COMBO "02RC47" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC47" LOAD "DL" SF 0.9
COMBO "02RC47" LOAD "SDL" SF 0.9
COMBO "02RC47" LOAD "EXN" SF -1
COMBO "02RC47" COMBO "EZ" SF 0.3
COMBO "02RC48" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC48" LOAD "DL" SF 0.9
COMBO "02RC48" LOAD "SDL" SF 0.9
COMBO "02RC48" LOAD "EXN" SF -1
COMBO "02RC48" COMBO "EZ" SF -0.3
COMBO "02RC49" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC49" LOAD "DL" SF 0.9
COMBO "02RC49" LOAD "SDL" SF 0.9
COMBO "02RC49" LOAD "EYN" SF -1
COMBO "02RC49" COMBO "EZ" SF 0.3
COMBO "02RC50" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC50" LOAD "DL" SF 0.9
COMBO "02RC50" LOAD "SDL" SF 0.9
COMBO "02RC50" LOAD "EYN" SF -1
COMBO "02RC50" COMBO "EZ" SF -0.3
COMBO "02RC51" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC51" LOAD "DL" SF 0.9
COMBO "02RC51" LOAD "SDL" SF 0.9
COMBO "02RC51" LOAD "EXP" SF 0.3
COMBO "02RC51" COMBO "EZ" SF 1
COMBO "02RC52" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC52" LOAD "DL" SF 0.9
COMBO "02RC52" LOAD "SDL" SF 0.9
COMBO "02RC52" LOAD "EXP" SF 0.3
COMBO "02RC52" COMBO "EZ" SF -1
COMBO "02RC53" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC53" LOAD "DL" SF 0.9
COMBO "02RC53" LOAD "SDL" SF 0.9
COMBO "02RC53" LOAD "EYP" SF 0.3
COMBO "02RC53" COMBO "EZ" SF 1
COMBO "02RC54" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC54" LOAD "DL" SF 0.9
COMBO "02RC54" LOAD "SDL" SF 0.9
COMBO "02RC54" LOAD "EYP" SF 0.3
COMBO "02RC54" COMBO "EZ" SF -1
COMBO "02RC55" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC55" LOAD "DL" SF 0.9
COMBO "02RC55" LOAD "SDL" SF 0.9
COMBO "02RC55" LOAD "EXN" SF 0.3
COMBO "02RC55" COMBO "EZ" SF 1
COMBO "02RC56" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC56" LOAD "DL" SF 0.9
COMBO "02RC56" LOAD "SDL" SF 0.9
COMBO "02RC56" LOAD "EXN" SF 0.3
COMBO "02RC56" COMBO "EZ" SF -1
COMBO "02RC57" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC57" LOAD "DL" SF 0.9
COMBO "02RC57" LOAD "SDL" SF 0.9
COMBO "02RC57" LOAD "EYN" SF 0.3
COMBO "02RC57" COMBO "EZ" SF 1
COMBO "02RC58" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC58" LOAD "DL" SF 0.9
COMBO "02RC58" LOAD "SDL" SF 0.9
COMBO "02RC58" LOAD "EYN" SF 0.3
COMBO "02RC58" COMBO "EZ" SF -1
COMBO "02RC59" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC59" LOAD "DL" SF 0.9
COMBO "02RC59" LOAD "SDL" SF 0.9
COMBO "02RC59" LOAD "EXP" SF -0.3
COMBO "02RC59" COMBO "EZ" SF 1
COMBO "02RC60" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC60" LOAD "DL" SF 0.9
COMBO "02RC60" LOAD "SDL" SF 0.9
COMBO "02RC60" LOAD "EXP" SF -0.3
COMBO "02RC60" COMBO "EZ" SF -1
COMBO "02RC61" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC61" LOAD "DL" SF 0.9
COMBO "02RC61" LOAD "SDL" SF 0.9
COMBO "02RC61" LOAD "EYP" SF -0.3
COMBO "02RC61" COMBO "EZ" SF 1
COMBO "02RC62" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC62" LOAD "DL" SF 0.9
COMBO "02RC62" LOAD "SDL" SF 0.9
COMBO "02RC62" LOAD "EYP" SF -0.3
COMBO "02RC62" COMBO "EZ" SF -1
COMBO "02RC63" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC63" LOAD "DL" SF 0.9
COMBO "02RC63" LOAD "SDL" SF 0.9
COMBO "02RC63" LOAD "EXN" SF -0.3
COMBO "02RC63" COMBO "EZ" SF 1
COMBO "02RC64" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC64" LOAD "DL" SF 0.9
COMBO "02RC64" LOAD "SDL" SF 0.9
COMBO "02RC64" LOAD "EXN" SF -0.3
COMBO "02RC64" COMBO "EZ" SF -1
COMBO "02RC65" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC65" LOAD "DL" SF 0.9
COMBO "02RC65" LOAD "SDL" SF 0.9
COMBO "02RC65" LOAD "EYN" SF -0.3
COMBO "02RC65" COMBO "EZ" SF 1
COMBO "02RC66" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC66" LOAD "DL" SF 0.9
COMBO "02RC66" LOAD "SDL" SF 0.9
COMBO "02RC66" LOAD "EYN" SF -0.3
COMBO "02RC66" COMBO "EZ" SF -1
COMBO "02RC67" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC67" LOAD "DL" SF 1.2
COMBO "02RC67" LOAD "SDL" SF 1.2
COMBO "02RC67" LOAD "LL" SF 1
COMBO "02RC67" LOAD "WX" SF 1.6
COMBO "02RC68" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC68" LOAD "DL" SF 1.2
COMBO "02RC68" LOAD "SDL" SF 1.2
COMBO "02RC68" LOAD "LL" SF 1
COMBO "02RC68" LOAD "WY" SF 1.6
COMBO "02RC69" TYPE "ADD"
COMBO "02RC69" LOAD "DL" SF 1.2
COMBO "02RC69" LOAD "SDL" SF 1.2
COMBO "02RC69" LOAD "LL" SF 1
COMBO "02RC69" LOAD "WX" SF -1.6
COMBO "02RC70" TYPE "ADD"
COMBO "02RC70" LOAD "DL" SF 1.2
COMBO "02RC70" LOAD "SDL" SF 1.2
COMBO "02RC70" LOAD "LL" SF 1
COMBO "02RC70" LOAD "WY" SF -1.6
COMBO "02RC71" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC71" LOAD "DL" SF 0.9
COMBO "02RC71" LOAD "SDL" SF 0.9
COMBO "02RC71" LOAD "WX" SF 1.6
COMBO "02RC72" TYPE "ADD" DESIGN "STEELSTRENGTH" DESIGN "CONCRETE"
COMBO "02RC72" LOAD "DL" SF 0.9
COMBO "02RC72" LOAD "SDL" SF 0.9
COMBO "02RC72" LOAD "WY" SF 1.6
COMBO "02RC73" TYPE "ADD"
COMBO "02RC73" LOAD "DL" SF 0.9
COMBO "02RC73" LOAD "SDL" SF 0.9
COMBO "02RC73" LOAD "WX" SF -1.6
COMBO "02RC74" TYPE "ADD"
COMBO "02RC74" LOAD "DL" SF 0.9
COMBO "02RC74" LOAD "SDL" SF 0.9
COMBO "02RC74" LOAD "WY" SF -1.6
COMBO "BASE01" TYPE "ADD"
COMBO "BASE01" LOAD "DL" SF 1
COMBO "BASE01" LOAD "SDL" SF 1
COMBO "BASE01" LOAD "WAH" SF 1
COMBO "BASE02" TYPE "ADD"
COMBO "BASE02" LOAD "DL" SF 1
COMBO "BASE02" LOAD "SDL" SF 1
COMBO "BASE02" LOAD "WAN" SF 1
COMBO "BASE03" TYPE "ADD"
COMBO "BASE03" LOAD "DL" SF 1
COMBO "BASE03" LOAD "SDL" SF 1
COMBO "BASE03" LOAD "LL" SF 1
COMBO "BASE03" LOAD "WAH" SF 1
COMBO "BASE04" TYPE "ADD"
COMBO "BASE04" LOAD "DL" SF 1
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COMBO "BASE04" LOAD "SDL" SF 1
COMBO "BASE04" LOAD "LL" SF 1
COMBO "BASE04" LOAD "WAN" SF 1
COMBO "BASE05" TYPE "ADD"
COMBO "BASE05" LOAD "DL" SF 1
COMBO "BASE05" LOAD "SDL" SF 1
COMBO "BASE05" LOAD "LL" SF 1
COMBO "BASE05" LOAD "EXP" SF 1
COMBO "BASE05" LOAD "WAH" SF 1
COMBO "BASE06" TYPE "ADD"
COMBO "BASE06" LOAD "DL" SF 1
COMBO "BASE06" LOAD "SDL" SF 1
COMBO "BASE06" LOAD "LL" SF 1
COMBO "BASE06" LOAD "EXP" SF 1
COMBO "BASE06" LOAD "WAN" SF 1
COMBO "BASE07" TYPE "ADD"
COMBO "BASE07" LOAD "DL" SF 1
COMBO "BASE07" LOAD "SDL" SF 1
COMBO "BASE07" LOAD "LL" SF 1
COMBO "BASE07" LOAD "EYP" SF 1
COMBO "BASE07" LOAD "WAH" SF 1
COMBO "BASE08" TYPE "ADD"
COMBO "BASE08" LOAD "DL" SF 1
COMBO "BASE08" LOAD "SDL" SF 1
COMBO "BASE08" LOAD "LL" SF 1
COMBO "BASE08" LOAD "EYP" SF 1
COMBO "BASE08" LOAD "WAN" SF 1
COMBO "BASE09" TYPE "ADD"
COMBO "BASE09" LOAD "DL" SF 1
COMBO "BASE09" LOAD "SDL" SF 1
COMBO "BASE09" LOAD "LL" SF 1
COMBO "BASE09" LOAD "EXN" SF 1
COMBO "BASE09" LOAD "WAH" SF 1
COMBO "BASE10" TYPE "ADD"
COMBO "BASE10" LOAD "DL" SF 1
COMBO "BASE10" LOAD "SDL" SF 1
COMBO "BASE10" LOAD "LL" SF 1
COMBO "BASE10" LOAD "EXN" SF 1
COMBO "BASE10" LOAD "WAN" SF 1
COMBO "BASE11" TYPE "ADD"
COMBO "BASE11" LOAD "DL" SF 1
COMBO "BASE11" LOAD "SDL" SF 1
COMBO "BASE11" LOAD "LL" SF 1
COMBO "BASE11" LOAD "EYN" SF 1
COMBO "BASE11" LOAD "WAH" SF 1
COMBO "BASE12" TYPE "ADD"
COMBO "BASE12" LOAD "DL" SF 1
COMBO "BASE12" LOAD "SDL" SF 1
COMBO "BASE12" LOAD "LL" SF 1
COMBO "BASE12" LOAD "EYN" SF 1
COMBO "BASE12" LOAD "WAN" SF 1
COMBO "BASE13" TYPE "ADD"
COMBO "BASE13" LOAD "DL" SF 1
COMBO "BASE13" LOAD "SDL" SF 1
COMBO "BASE13" LOAD "LL" SF 1
COMBO "BASE13" LOAD "EXP" SF -1
COMBO "BASE13" LOAD "WAH" SF 1
COMBO "BASE14" TYPE "ADD"
COMBO "BASE14" LOAD "DL" SF 1
COMBO "BASE14" LOAD "SDL" SF 1
COMBO "BASE14" LOAD "LL" SF 1
COMBO "BASE14" LOAD "EXP" SF -1
COMBO "BASE14" LOAD "WAN" SF 1
COMBO "BASE15" TYPE "ADD"
COMBO "BASE15" LOAD "DL" SF 1
COMBO "BASE15" LOAD "SDL" SF 1
COMBO "BASE15" LOAD "LL" SF 1
COMBO "BASE15" LOAD "EYP" SF -1
COMBO "BASE15" LOAD "WAH" SF 1
COMBO "BASE16" TYPE "ADD"
COMBO "BASE16" LOAD "DL" SF 1
COMBO "BASE16" LOAD "SDL" SF 1
COMBO "BASE16" LOAD "LL" SF 1
COMBO "BASE16" LOAD "EYP" SF -1
COMBO "BASE16" LOAD "WAN" SF 1
COMBO "BASE17" TYPE "ADD"
COMBO "BASE17" LOAD "DL" SF 1
COMBO "BASE17" LOAD "SDL" SF 1
COMBO "BASE17" LOAD "LL" SF 1
COMBO "BASE17" LOAD "EXN" SF -1
COMBO "BASE17" LOAD "WAH" SF 1
COMBO "BASE18" TYPE "ADD"
COMBO "BASE18" LOAD "DL" SF 1
COMBO "BASE18" LOAD "SDL" SF 1
COMBO "BASE18" LOAD "LL" SF 1
COMBO "BASE18" LOAD "EXN" SF -1
COMBO "BASE18" LOAD "WAN" SF 1
COMBO "BASE19" TYPE "ADD"
COMBO "BASE19" LOAD "DL" SF 1
COMBO "BASE19" LOAD "SDL" SF 1
COMBO "BASE19" LOAD "LL" SF 1
COMBO "BASE19" LOAD "EYN" SF -1
COMBO "BASE19" LOAD "WAH" SF 1
COMBO "BASE20" TYPE "ADD"
COMBO "BASE20" LOAD "DL" SF 1
COMBO "BASE20" LOAD "SDL" SF 1
COMBO "BASE20" LOAD "LL" SF 1
COMBO "BASE20" LOAD "EYN" SF -1
COMBO "BASE20" LOAD "WAN" SF 1
COMBO "BASE21" TYPE "ADD"
COMBO "BASE21" LOAD "DL" SF 1.4
COMBO "BASE21" LOAD "SDL" SF 1.4
COMBO "BASE21" LOAD "WAH" SF 1.4
COMBO "BASE22" TYPE "ADD"
COMBO "BASE22" LOAD "DL" SF 1.4
COMBO "BASE22" LOAD "SDL" SF 1.4
COMBO "BASE22" LOAD "WAN" SF 1.4
COMBO "BASE23" TYPE "ADD"
COMBO "BASE23" LOAD "DL" SF 1.2
COMBO "BASE23" LOAD "SDL" SF 1.2
COMBO "BASE23" LOAD "LL" SF 1.6
COMBO "BASE23" LOAD "WAH" SF 1.2
COMBO "BASE24" TYPE "ADD"
COMBO "BASE24" LOAD "DL" SF 1.2
COMBO "BASE24" LOAD "SDL" SF 1.2
COMBO "BASE24" LOAD "LL" SF 1.6
COMBO "BASE24" LOAD "WAN" SF 1.2
COMBO "BASE25" TYPE "ADD"
COMBO "BASE25" LOAD "DL" SF 1.2
COMBO "BASE25" LOAD "SDL" SF 1.2
COMBO "BASE25" LOAD "LL" SF 1
COMBO "BASE25" LOAD "EXP" SF 1.4
COMBO "BASE26" TYPE "ADD"
COMBO "BASE26" LOAD "DL" SF 1.2
COMBO "BASE26" LOAD "SDL" SF 1.2
COMBO "BASE26" LOAD "LL" SF 1
COMBO "BASE26" LOAD "EYP" SF 1.4
COMBO "BASE27" TYPE "ADD"
COMBO "BASE27" LOAD "DL" SF 1.2
COMBO "BASE27" LOAD "SDL" SF 1.2
COMBO "BASE27" LOAD "LL" SF 1
COMBO "BASE27" LOAD "EXN" SF 1.4
COMBO "BASE28" TYPE "ADD"
COMBO "BASE28" LOAD "DL" SF 1.2
COMBO "BASE28" LOAD "SDL" SF 1.2
COMBO "BASE28" LOAD "LL" SF 1
COMBO "BASE28" LOAD "EYN" SF 1.4
COMBO "BASE29" TYPE "ADD"
COMBO "BASE29" LOAD "DL" SF 1.2
COMBO "BASE29" LOAD "SDL" SF 1.2
COMBO "BASE29" LOAD "LL" SF 1
COMBO "BASE29" LOAD "EXP" SF -1.4
COMBO "BASE30" TYPE "ADD"
COMBO "BASE30" LOAD "DL" SF 1.2
COMBO "BASE30" LOAD "SDL" SF 1.2
COMBO "BASE30" LOAD "LL" SF 1
COMBO "BASE30" LOAD "EYP" SF -1.4
COMBO "BASE31" TYPE "ADD"
COMBO "BASE31" LOAD "DL" SF 1.2
COMBO "BASE31" LOAD "SDL" SF 1.2
COMBO "BASE31" LOAD "LL" SF 1
COMBO "BASE31" LOAD "EXN" SF -1.4
COMBO "BASE32" TYPE "ADD"
COMBO "BASE32" LOAD "DL" SF 1.2
COMBO "BASE32" LOAD "SDL" SF 1.2
COMBO "BASE32" LOAD "LL" SF 1
COMBO "BASE32" LOAD "EYN" SF -1.4
COMBO "BASE33" TYPE "ADD"
COMBO "BASE33" LOAD "DL" SF 0.9
COMBO "BASE33" LOAD "SDL" SF 0.9
COMBO "BASE33" LOAD "EXP" SF 1.4
COMBO "BASE34" TYPE "ADD"
COMBO "BASE34" LOAD "DL" SF 0.9
COMBO "BASE34" LOAD "SDL" SF 0.9
COMBO "BASE34" LOAD "EYP" SF 1.4
COMBO "BASE35" TYPE "ADD"
COMBO "BASE35" LOAD "DL" SF 0.9
COMBO "BASE35" LOAD "SDL" SF 0.9
COMBO "BASE35" LOAD "EXN" SF 1.4
COMBO "BASE36" TYPE "ADD"
COMBO "BASE36" LOAD "DL" SF 0.9
COMBO "BASE36" LOAD "SDL" SF 0.9
COMBO "BASE36" LOAD "EYN" SF 1.4
COMBO "BASE37" TYPE "ADD"
COMBO "BASE37" LOAD "DL" SF 0.9
COMBO "BASE37" LOAD "SDL" SF 0.9
COMBO "BASE37" LOAD "EXP" SF -1.4
COMBO "BASE38" TYPE "ADD"
COMBO "BASE38" LOAD "DL" SF 0.9
COMBO "BASE38" LOAD "SDL" SF 0.9
COMBO "BASE38" LOAD "EYP" SF -1.4
COMBO "BASE39" TYPE "ADD"
COMBO "BASE39" LOAD "DL" SF 0.9
COMBO "BASE39" LOAD "SDL" SF 0.9
COMBO "BASE39" LOAD "EXN" SF -1.4
COMBO "BASE40" TYPE "ADD"
COMBO "BASE40" LOAD "DL" SF 0.9
COMBO "BASE40" LOAD "SDL" SF 0.9
COMBO "BASE40" LOAD "EYN" SF -1.4
COMBO "ASD01" TYPE "ADD"
COMBO "ASD01" LOAD "DL" SF 1
COMBO "ASD01" LOAD "SDL" SF 1
COMBO "ASD01" LOAD "LL" SF 1
COMBO "ASD02" TYPE "ADD"
COMBO "ASD02" LOAD "DL" SF 1
COMBO "ASD02" LOAD "SDL" SF 1
COMBO "ASD02" LOAD "LL" SF 1
COMBO "ASD02" LOAD "EXP" SF 0.8
COMBO "ASD03" TYPE "ADD"
COMBO "ASD03" LOAD "DL" SF 1
COMBO "ASD03" LOAD "SDL" SF 1
COMBO "ASD03" LOAD "LL" SF 1
COMBO "ASD03" LOAD "EYP" SF 0.8
COMBO "ASD04" TYPE "ADD"
COMBO "ASD04" LOAD "DL" SF 1
COMBO "ASD04" LOAD "SDL" SF 1
COMBO "ASD04" LOAD "LL" SF 1
COMBO "ASD04" LOAD "EXP" SF -0.8
COMBO "ASD05" TYPE "ADD"
COMBO "ASD05" LOAD "DL" SF 1
COMBO "ASD05" LOAD "SDL" SF 1
COMBO "ASD05" LOAD "LL" SF 1
COMBO "ASD05" LOAD "EYP" SF -0.8
COMBO "ASD06" TYPE "ADD"
COMBO "ASD06" LOAD "DL" SF 1
COMBO "ASD06" LOAD "SDL" SF 1
COMBO "ASD06" LOAD "LL" SF 1
COMBO "ASD06" LOAD "WX" SF 1.25
COMBO "ASD07" TYPE "ADD"
COMBO "ASD07" LOAD "DL" SF 1
COMBO "ASD07" LOAD "SDL" SF 1
COMBO "ASD07" LOAD "LL" SF 1
COMBO "ASD07" LOAD "WY" SF 1.25
COMBO "ASD08" TYPE "ADD"
COMBO "ASD08" LOAD "DL" SF 1
COMBO "ASD08" LOAD "SDL" SF 1
COMBO "ASD08" LOAD "LL" SF 1
COMBO "ASD08" LOAD "WX" SF -1.25
COMBO "ASD09" TYPE "ADD"
COMBO "ASD09" LOAD "DL" SF 1
COMBO "ASD09" LOAD "SDL" SF 1
COMBO "ASD09" LOAD "LL" SF 1
COMBO "ASD09" LOAD "WY" SF -1.25
COMBO "ASD10" TYPE "ADD"
COMBO "ASD10" LOAD "DL" SF 0.9
COMBO "ASD10" LOAD "SDL" SF 0.9
COMBO "ASD10" LOAD "EXP" SF 0.8
COMBO "ASD11" TYPE "ADD"
COMBO "ASD11" LOAD "DL" SF 0.9
COMBO "ASD11" LOAD "SDL" SF 0.9
COMBO "ASD11" LOAD "EYP" SF 0.8
COMBO "ASD12" TYPE "ADD"
COMBO "ASD12" LOAD "DL" SF 0.9
COMBO "ASD12" LOAD "SDL" SF 0.9
COMBO "ASD12" LOAD "EXP" SF -0.8
COMBO "ASD13" TYPE "ADD"
COMBO "ASD13" LOAD "DL" SF 0.9
COMBO "ASD13" LOAD "SDL" SF 0.9
COMBO "ASD13" LOAD "EYP" SF -0.8
COMBO "ASD14" TYPE "ADD"
COMBO "ASD14" LOAD "DL" SF 0.9
COMBO "ASD14" LOAD "SDL" SF 0.9
COMBO "ASD14" LOAD "WX" SF 1.25
COMBO "ASD15" TYPE "ADD"
COMBO "ASD15" LOAD "DL" SF 0.9
COMBO "ASD15" LOAD "SDL" SF 0.9
COMBO "ASD15" LOAD "WY" SF 1.25
COMBO "ASD16" TYPE "ADD"
COMBO "ASD16" LOAD "DL" SF 0.9
COMBO "ASD16" LOAD "SDL" SF 0.9
COMBO "ASD16" LOAD "WX" SF -1.25
COMBO "ASD17" TYPE "ADD"
COMBO "ASD17" LOAD "DL" SF 0.9
COMBO "ASD17" LOAD "SDL" SF 0.9
COMBO "ASD17" LOAD "WY" SF -1.25
COMBO "DLSDL" TYPE "ADD"
COMBO "DLSDL" LOAD "DL" SF 1
COMBO "DLSDL" LOAD "SDL" SF 1
COMBO "DSTLS1" TYPE "ADD"
COMBO "DSTLS1" LOAD "DL" SF 1.4
COMBO "DSTLS1" LOAD "SDL" SF 1.4
COMBO "DSTLS2" TYPE "ADD"
COMBO "DSTLS2" LOAD "DL" SF 1.2
COMBO "DSTLS2" LOAD "SDL" SF 1.2
COMBO "DSTLS2" LOAD "LL" SF 1.6
COMBO "DSTLS3" TYPE "ADD"
COMBO "DSTLS3" LOAD "DL" SF 1.2
COMBO "DSTLS3" LOAD "SDL" SF 1.2
COMBO "DSTLS3" LOAD "LL" SF 0.5
COMBO "DSTLS3" LOAD "WX" SF 1.3
COMBO "DSTLS4" TYPE "ADD"
COMBO "DSTLS4" LOAD "DL" SF 1.2
COMBO "DSTLS4" LOAD "SDL" SF 1.2
COMBO "DSTLS4" LOAD "LL" SF 0.5
COMBO "DSTLS4" LOAD "WX" SF -1.3
COMBO "DSTLS5" TYPE "ADD"
COMBO "DSTLS5" LOAD "DL" SF 1.2
COMBO "DSTLS5" LOAD "SDL" SF 1.2
COMBO "DSTLS5" LOAD "LL" SF 0.5
COMBO "DSTLS5" LOAD "WY" SF 1.3
COMBO "DSTLS6" TYPE "ADD"
COMBO "DSTLS6" LOAD "DL" SF 1.2
COMBO "DSTLS6" LOAD "SDL" SF 1.2
COMBO "DSTLS6" LOAD "LL" SF 0.5
COMBO "DSTLS6" LOAD "WY" SF -1.3
COMBO "DSTLS7" TYPE "ADD"
COMBO "DSTLS7" LOAD "DL" SF 1.2
COMBO "DSTLS7" LOAD "SDL" SF 1.2
COMBO "DSTLS7" LOAD "WX" SF 1.3
COMBO "DSTLS8" TYPE "ADD"
COMBO "DSTLS8" LOAD "DL" SF 1.2
COMBO "DSTLS8" LOAD "SDL" SF 1.2
COMBO "DSTLS8" LOAD "WX" SF -1.3
COMBO "DSTLS9" TYPE "ADD"
COMBO "DSTLS9" LOAD "DL" SF 1.2
COMBO "DSTLS9" LOAD "SDL" SF 1.2
COMBO "DSTLS9" LOAD "WY" SF 1.3
COMBO "DSTLS10" TYPE "ADD"
COMBO "DSTLS10" LOAD "DL" SF 1.2
COMBO "DSTLS10" LOAD "SDL" SF 1.2
COMBO "DSTLS10" LOAD "WY" SF -1.3
COMBO "DSTLS11" TYPE "ADD"
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COMBO "DSTLS11" LOAD "DL" SF 0.9
COMBO "DSTLS11" LOAD "SDL" SF 0.9
COMBO "DSTLS11" LOAD "WX" SF 1.3
COMBO "DSTLS12" TYPE "ADD"
COMBO "DSTLS12" LOAD "DL" SF 0.9
COMBO "DSTLS12" LOAD "SDL" SF 0.9
COMBO "DSTLS12" LOAD "WX" SF -1.3
COMBO "DSTLS13" TYPE "ADD"
COMBO "DSTLS13" LOAD "DL" SF 0.9
COMBO "DSTLS13" LOAD "SDL" SF 0.9
COMBO "DSTLS13" LOAD "WY" SF 1.3
COMBO "DSTLS14" TYPE "ADD"
COMBO "DSTLS14" LOAD "DL" SF 0.9
COMBO "DSTLS14" LOAD "SDL" SF 0.9
COMBO "DSTLS14" LOAD "WY" SF -1.3
COMBO "DSTLS15" TYPE "ADD"
COMBO "DSTLS15" LOAD "DL" SF 1.4
COMBO "DSTLS15" LOAD "SDL" SF 1.4
COMBO "DSTLS15" LOAD "LL" SF 0.5
COMBO "DSTLS15" LOAD "EXP" SF 1.5
COMBO "DSTLS16" TYPE "ADD"
COMBO "DSTLS16" LOAD "DL" SF 1.4
COMBO "DSTLS16" LOAD "SDL" SF 1.4
COMBO "DSTLS16" LOAD "LL" SF 0.5
COMBO "DSTLS16" LOAD "EXP" SF -1.5
COMBO "DSTLS17" TYPE "ADD"
COMBO "DSTLS17" LOAD "DL" SF 1.4
COMBO "DSTLS17" LOAD "SDL" SF 1.4
COMBO "DSTLS17" LOAD "LL" SF 0.5
COMBO "DSTLS17" LOAD "EYP" SF 1.5
COMBO "DSTLS18" TYPE "ADD"
COMBO "DSTLS18" LOAD "DL" SF 1.4
COMBO "DSTLS18" LOAD "SDL" SF 1.4
COMBO "DSTLS18" LOAD "LL" SF 0.5
COMBO "DSTLS18" LOAD "EYP" SF -1.5
COMBO "DSTLS19" TYPE "ADD"
COMBO "DSTLS19" LOAD "DL" SF 1.4
COMBO "DSTLS19" LOAD "SDL" SF 1.4
COMBO "DSTLS19" LOAD "LL" SF 0.5
COMBO "DSTLS19" LOAD "EXN" SF 1.5
COMBO "DSTLS20" TYPE "ADD"
COMBO "DSTLS20" LOAD "DL" SF 1.4
COMBO "DSTLS20" LOAD "SDL" SF 1.4
COMBO "DSTLS20" LOAD "LL" SF 0.5
COMBO "DSTLS20" LOAD "EXN" SF -1.5
COMBO "DSTLS21" TYPE "ADD"
COMBO "DSTLS21" LOAD "DL" SF 1.4
COMBO "DSTLS21" LOAD "SDL" SF 1.4
COMBO "DSTLS21" LOAD "LL" SF 0.5
COMBO "DSTLS21" LOAD "EYN" SF 1.5
COMBO "DSTLS22" TYPE "ADD"
COMBO "DSTLS22" LOAD "DL" SF 1.4
COMBO "DSTLS22" LOAD "SDL" SF 1.4
COMBO "DSTLS22" LOAD "LL" SF 0.5
COMBO "DSTLS22" LOAD "EYN" SF -1.5
COMBO "DSTLS23" TYPE "ADD"
COMBO "DSTLS23" LOAD "DL" SF 1.4
COMBO "DSTLS23" LOAD "SDL" SF 1.4
COMBO "DSTLS23" LOAD "EXP" SF 1.5
COMBO "DSTLS24" TYPE "ADD"
COMBO "DSTLS24" LOAD "DL" SF 1.4
COMBO "DSTLS24" LOAD "SDL" SF 1.4
COMBO "DSTLS24" LOAD "EXP" SF -1.5
COMBO "DSTLS25" TYPE "ADD"
COMBO "DSTLS25" LOAD "DL" SF 1.4
COMBO "DSTLS25" LOAD "SDL" SF 1.4
COMBO "DSTLS25" LOAD "EYP" SF 1.5
COMBO "DSTLS26" TYPE "ADD"
COMBO "DSTLS26" LOAD "DL" SF 1.4
COMBO "DSTLS26" LOAD "SDL" SF 1.4
COMBO "DSTLS26" LOAD "EYP" SF -1.5
COMBO "DSTLS27" TYPE "ADD"
COMBO "DSTLS27" LOAD "DL" SF 1.4
COMBO "DSTLS27" LOAD "SDL" SF 1.4
COMBO "DSTLS27" LOAD "EXN" SF 1.5
COMBO "DSTLS28" TYPE "ADD"
COMBO "DSTLS28" LOAD "DL" SF 1.4
COMBO "DSTLS28" LOAD "SDL" SF 1.4
COMBO "DSTLS28" LOAD "EXN" SF -1.5
COMBO "DSTLS29" TYPE "ADD"
COMBO "DSTLS29" LOAD "DL" SF 1.4
COMBO "DSTLS29" LOAD "SDL" SF 1.4
COMBO "DSTLS29" LOAD "EYN" SF 1.5
COMBO "DSTLS30" TYPE "ADD"
COMBO "DSTLS30" LOAD "DL" SF 1.4
COMBO "DSTLS30" LOAD "SDL" SF 1.4
COMBO "DSTLS30" LOAD "EYN" SF -1.5
COMBO "DSTLS31" TYPE "ADD"
COMBO "DSTLS31" LOAD "DL" SF 0.7
COMBO "DSTLS31" LOAD "SDL" SF 0.7
COMBO "DSTLS31" LOAD "EXP" SF 1.5
COMBO "DSTLS32" TYPE "ADD"
COMBO "DSTLS32" LOAD "DL" SF 0.7
COMBO "DSTLS32" LOAD "SDL" SF 0.7
COMBO "DSTLS32" LOAD "EXP" SF -1.5
COMBO "DSTLS33" TYPE "ADD"
COMBO "DSTLS33" LOAD "DL" SF 0.7
COMBO "DSTLS33" LOAD "SDL" SF 0.7
COMBO "DSTLS33" LOAD "EYP" SF 1.5
COMBO "DSTLS34" TYPE "ADD"
COMBO "DSTLS34" LOAD "DL" SF 0.7
COMBO "DSTLS34" LOAD "SDL" SF 0.7
COMBO "DSTLS34" LOAD "EYP" SF -1.5
COMBO "DSTLS35" TYPE "ADD"
COMBO "DSTLS35" LOAD "DL" SF 0.7
COMBO "DSTLS35" LOAD "SDL" SF 0.7
COMBO "DSTLS35" LOAD "EXN" SF 1.5
COMBO "DSTLS36" TYPE "ADD"
COMBO "DSTLS36" LOAD "DL" SF 0.7
COMBO "DSTLS36" LOAD "SDL" SF 0.7
COMBO "DSTLS36" LOAD "EXN" SF -1.5
COMBO "DSTLS37" TYPE "ADD"
COMBO "DSTLS37" LOAD "DL" SF 0.7
COMBO "DSTLS37" LOAD "SDL" SF 0.7
COMBO "DSTLS37" LOAD "EYN" SF 1.5
COMBO "DSTLS38" TYPE "ADD"
COMBO "DSTLS38" LOAD "DL" SF 0.7
COMBO "DSTLS38" LOAD "SDL" SF 0.7
COMBO "DSTLS38" LOAD "EYN" SF -1.5
COMBO "DCON1" TYPE "ADD"
COMBO "DCON1" LOAD "DL" SF 1.4
COMBO "DCON1" LOAD "SDL" SF 1.4
COMBO "DCON2" TYPE "ADD"
COMBO "DCON2" LOAD "DL" SF 1.2
COMBO "DCON2" LOAD "SDL" SF 1.2
COMBO "DCON2" LOAD "LL" SF 1.6
COMBO "DCON3" TYPE "ADD"
COMBO "DCON3" LOAD "DL" SF 1.2
COMBO "DCON3" LOAD "SDL" SF 1.2
COMBO "DCON3" LOAD "LL" SF 1
COMBO "DCON3" LOAD "WX" SF 1.6
COMBO "DCON4" TYPE "ADD"
COMBO "DCON4" LOAD "DL" SF 1.2
COMBO "DCON4" LOAD "SDL" SF 1.2
COMBO "DCON4" LOAD "LL" SF 1
COMBO "DCON4" LOAD "WX" SF -1.6
COMBO "DCON5" TYPE "ADD"
COMBO "DCON5" LOAD "DL" SF 1.2
COMBO "DCON5" LOAD "SDL" SF 1.2
COMBO "DCON5" LOAD "LL" SF 1
COMBO "DCON5" LOAD "WY" SF 1.6
COMBO "DCON6" TYPE "ADD"
COMBO "DCON6" LOAD "DL" SF 1.2
COMBO "DCON6" LOAD "SDL" SF 1.2
COMBO "DCON6" LOAD "LL" SF 1
COMBO "DCON6" LOAD "WY" SF -1.6
COMBO "DCON7" TYPE "ADD"
COMBO "DCON7" LOAD "DL" SF 1.2
COMBO "DCON7" LOAD "SDL" SF 1.2
COMBO "DCON7" LOAD "WX" SF 0.8
COMBO "DCON8" TYPE "ADD"
COMBO "DCON8" LOAD "DL" SF 1.2
COMBO "DCON8" LOAD "SDL" SF 1.2
COMBO "DCON8" LOAD "WX" SF -0.8
COMBO "DCON9" TYPE "ADD"
COMBO "DCON9" LOAD "DL" SF 1.2
COMBO "DCON9" LOAD "SDL" SF 1.2
COMBO "DCON9" LOAD "WY" SF 0.8
COMBO "DCON10" TYPE "ADD"
COMBO "DCON10" LOAD "DL" SF 1.2
COMBO "DCON10" LOAD "SDL" SF 1.2
COMBO "DCON10" LOAD "WY" SF -0.8
COMBO "DCON11" TYPE "ADD"
COMBO "DCON11" LOAD "DL" SF 0.9
COMBO "DCON11" LOAD "SDL" SF 0.9
COMBO "DCON11" LOAD "WX" SF 1.6
COMBO "DCON12" TYPE "ADD"
COMBO "DCON12" LOAD "DL" SF 0.9
COMBO "DCON12" LOAD "SDL" SF 0.9
COMBO "DCON12" LOAD "WX" SF -1.6
COMBO "DCON13" TYPE "ADD"
COMBO "DCON13" LOAD "DL" SF 0.9
COMBO "DCON13" LOAD "SDL" SF 0.9
COMBO "DCON13" LOAD "WY" SF 1.6
COMBO "DCON14" TYPE "ADD"
COMBO "DCON14" LOAD "DL" SF 0.9
COMBO "DCON14" LOAD "SDL" SF 0.9
COMBO "DCON14" LOAD "WY" SF -1.6
COMBO "DCON15" TYPE "ADD"
COMBO "DCON15" LOAD "DL" SF 1.4
COMBO "DCON15" LOAD "SDL" SF 1.4
COMBO "DCON15" LOAD "LL" SF 1
COMBO "DCON15" LOAD "EXP" SF 1.5
COMBO "DCON16" TYPE "ADD"
COMBO "DCON16" LOAD "DL" SF 1.4
COMBO "DCON16" LOAD "SDL" SF 1.4
COMBO "DCON16" LOAD "LL" SF 1
COMBO "DCON16" LOAD "EXP" SF -1.5
COMBO "DCON17" TYPE "ADD"
COMBO "DCON17" LOAD "DL" SF 1.4
COMBO "DCON17" LOAD "SDL" SF 1.4
COMBO "DCON17" LOAD "LL" SF 1
COMBO "DCON17" LOAD "EYP" SF 1.5
COMBO "DCON18" TYPE "ADD"
COMBO "DCON18" LOAD "DL" SF 1.4
COMBO "DCON18" LOAD "SDL" SF 1.4
COMBO "DCON18" LOAD "LL" SF 1
COMBO "DCON18" LOAD "EYP" SF -1.5
COMBO "DCON19" TYPE "ADD"
COMBO "DCON19" LOAD "DL" SF 1.4
COMBO "DCON19" LOAD "SDL" SF 1.4
COMBO "DCON19" LOAD "LL" SF 1
COMBO "DCON19" LOAD "EXN" SF 1.5
COMBO "DCON20" TYPE "ADD"
COMBO "DCON20" LOAD "DL" SF 1.4
COMBO "DCON20" LOAD "SDL" SF 1.4
COMBO "DCON20" LOAD "LL" SF 1
COMBO "DCON20" LOAD "EXN" SF -1.5
COMBO "DCON21" TYPE "ADD"
COMBO "DCON21" LOAD "DL" SF 1.4
COMBO "DCON21" LOAD "SDL" SF 1.4
COMBO "DCON21" LOAD "LL" SF 1
COMBO "DCON21" LOAD "EYN" SF 1.5
COMBO "DCON22" TYPE "ADD"
COMBO "DCON22" LOAD "DL" SF 1.4
COMBO "DCON22" LOAD "SDL" SF 1.4
COMBO "DCON22" LOAD "LL" SF 1
COMBO "DCON22" LOAD "EYN" SF -1.5
COMBO "DCON23" TYPE "ADD"
COMBO "DCON23" LOAD "DL" SF 1.4
COMBO "DCON23" LOAD "SDL" SF 1.4
COMBO "DCON23" LOAD "EXP" SF 1.5
COMBO "DCON24" TYPE "ADD"
COMBO "DCON24" LOAD "DL" SF 1.4
COMBO "DCON24" LOAD "SDL" SF 1.4
COMBO "DCON24" LOAD "EXP" SF -1.5
COMBO "DCON25" TYPE "ADD"
COMBO "DCON25" LOAD "DL" SF 1.4
COMBO "DCON25" LOAD "SDL" SF 1.4
COMBO "DCON25" LOAD "EYP" SF 1.5
COMBO "DCON26" TYPE "ADD"
COMBO "DCON26" LOAD "DL" SF 1.4
COMBO "DCON26" LOAD "SDL" SF 1.4
COMBO "DCON26" LOAD "EYP" SF -1.5
COMBO "DCON27" TYPE "ADD"
COMBO "DCON27" LOAD "DL" SF 1.4
COMBO "DCON27" LOAD "SDL" SF 1.4
COMBO "DCON27" LOAD "EXN" SF 1.5
COMBO "DCON28" TYPE "ADD"
COMBO "DCON28" LOAD "DL" SF 1.4
COMBO "DCON28" LOAD "SDL" SF 1.4
COMBO "DCON28" LOAD "EXN" SF -1.5
COMBO "DCON29" TYPE "ADD"
COMBO "DCON29" LOAD "DL" SF 1.4
COMBO "DCON29" LOAD "SDL" SF 1.4
COMBO "DCON29" LOAD "EYN" SF 1.5
COMBO "DCON30" TYPE "ADD"
COMBO "DCON30" LOAD "DL" SF 1.4
COMBO "DCON30" LOAD "SDL" SF 1.4
COMBO "DCON30" LOAD "EYN" SF -1.5
COMBO "DCON31" TYPE "ADD"
COMBO "DCON31" LOAD "DL" SF 0.7
COMBO "DCON31" LOAD "SDL" SF 0.7
COMBO "DCON31" LOAD "EXP" SF 1.5
COMBO "DCON32" TYPE "ADD"
COMBO "DCON32" LOAD "DL" SF 0.7
COMBO "DCON32" LOAD "SDL" SF 0.7
COMBO "DCON32" LOAD "EXP" SF -1.5
COMBO "DCON33" TYPE "ADD"
COMBO "DCON33" LOAD "DL" SF 0.7
COMBO "DCON33" LOAD "SDL" SF 0.7
COMBO "DCON33" LOAD "EYP" SF 1.5
COMBO "DCON34" TYPE "ADD"
COMBO "DCON34" LOAD "DL" SF 0.7
COMBO "DCON34" LOAD "SDL" SF 0.7
COMBO "DCON34" LOAD "EYP" SF -1.5
COMBO "DCON35" TYPE "ADD"
COMBO "DCON35" LOAD "DL" SF 0.7
COMBO "DCON35" LOAD "SDL" SF 0.7
COMBO "DCON35" LOAD "EXN" SF 1.5
COMBO "DCON36" TYPE "ADD"
COMBO "DCON36" LOAD "DL" SF 0.7
COMBO "DCON36" LOAD "SDL" SF 0.7
COMBO "DCON36" LOAD "EXN" SF -1.5
COMBO "DCON37" TYPE "ADD"
COMBO "DCON37" LOAD "DL" SF 0.7
COMBO "DCON37" LOAD "SDL" SF 0.7
COMBO "DCON37" LOAD "EYN" SF 1.5
COMBO "DCON38" TYPE "ADD"
COMBO "DCON38" LOAD "DL" SF 0.7
COMBO "DCON38" LOAD "SDL" SF 0.7
COMBO "DCON38" LOAD "EYN" SF -1.5

$ STEEL DESIGN PREFERENCES
 STEELPREFERENCE CODE "AISC-LRFD93" THDESIGN "EVERYSTEP" FRAMETYPE "MOMENT FRAME"
 STEELPREFERENCE PHIBLRFD 0.9 PHICLRFD 0.85 PHITLRFD 0.9 PHIVLRFD 0.9 PHICANGLELRFD 0.9
 STEELPREFERENCE PHIBLRFD 0.9 PHICLRFD 0.85 PHITLRFD 0.9 PHIVLRFD 0.9 PHICANGLELRFD 0.9
 STEELPREFERENCE CONSIDERDEFLECTION "NO" RELATIVEDEFLECTION "RATIO"
 STEELPREFERENCE DLDEFLECTIONLIMIT 120 SLDEFLECTIONLIMIT 120 LLDEFLECTIONLIMIT 360 TLDEFLECTIONLIMIT 240 TLMCDEFLECTIONLIMIT
 STEELPREFERENCE DLDEFLECTIONLIMITABS 2.54 SLDEFLECTIONLIMITABS 2.54 LLDEFLECTIONLIMITABS 2.54 TLDEFLECTIONLIMITABS 2.54
 STEELPREFERENCE CALCULATECAMBER "NO" PERCENTCAMBERWDL 1 CAMBERRELMAXLIMIT 180 CAMBERIGNORELIMIT 1.905
 STEELPREFERENCE CAMBERABSMAXLIMIT 10.16 CAMBERINTERVAL 0.635 CAMBERROUNDDOWN "YES"
 STEELPREFERENCE PATTERNLLF 0.75 MAXITERATION 1 SRLIMIT 1.05

$ CONCRETE DESIGN PREFERENCES
 CONCRETEPREFERENCE CODE "ACI 318-02" THDESIGN "EVERYSTEP" CONSIDERMINECCENTRICITY "YES"
 CONCRETEPREFERENCE NUMINTERCURVES 24 NUMINTERPOINTS 11 PATTERNLLF 0.75 UFLIMIT 1
 CONCRETEPREFERENCE SDC "D" PHITENSIONCTRL 0.9 PHICOMPRESSIONCTRLTIED 0.65 PHICOMPRESSIONCTRLSPIRAL 0.7 PHISHEARTORSION

$ COMPOSITE DESIGN PREFERENCES
 COMPOSITEPREFERENCE CODE "AISC-LRFD93"
 COMPOSITEPREFERENCE PHI-B 0.9 PHI-BCNE 0.9 PHI-BCNP 0.85 PHI-BCPE 0.9 PHI-BCPP 0.85 PHI-V 0.9
 COMPOSITEPREFERENCE SHORED "NO" %MIDDLERANGE 70 PATTERNLLF 0.75 SRLIMIT 1 SINGLESEGMENT "NO" STUDINCREASEFACTOR 1
 COMPOSITEPREFERENCE DLLIMIT 0 SLLIMIT 240 LLLIMIT 360 TLLIMIT 240 CREEPFACTOR 1
 COMPOSITEPREFERENCE %DLCAMBER 100 CAMBERIGNORE 1.905 CAMBERABSMAX 10.16 CAMBERRELMAX 180 CAMBERINTERVAL 0.635
 COMPOSITEPREFERENCE %VIBLL 25 CONSIDERFREQ "NO" MINFREQ 8 CONSIDERDAMP "NO" %INHERENTDAMP 4
 COMPOSITEPREFERENCE OPTIMIZEPRICE "NO" CONNECTORPRICE 0 CAMBERPRICE 0

$ WALL DESIGN PREFERENCES
 WALLPREFERENCE CODE "UBC97" THDESIGN "EVERYSTEP"
 WALLPREFERENCE REBARUNITS "in^2" REBAR/LENGTHUNITS "in^2/ft"
 WALLPREFERENCE PHI-B 0.9 PHI-C 0.7 PHI-VNS 0.85 PHI-VS 0.6 PMAXFACTOR 0.8
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  WALLPREFERENCE  NUMCURVES 24  NUMPOINTS 11
  WALLPREFERENCE  PTMAX 0.06  PCMAX 0.04  IPMAX 0.02  IPMIN 0.0025
  WALLPREFERENCE  UFLIMIT 0.95

$ DIMENSION LINES

$ LOG
  STARTCOMMENTS
ETABS Display 9.5.0 File imported from E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.$ET at 2022/8/4 上午 11:12:12
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 上午 11:22:48
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:39:27
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:40:26
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:41:18
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:42:28
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:44:15
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:47:36
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:49:25
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:50:36
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:51:35
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:51:47
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-1\220804\208A-SC1-1-220804-001.EDB at 2022/8/4 下午 05:56:02
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/4 下午 09:25:15
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/4 下午 09:25:38
ETABS Display 9.5.0 File imported from E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.$ET at 2022/8/4 下午 09:25:46
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/4 下午 09:25:53
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/4 下午 09:28:29
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/4 下午 09:28:41
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/4 下午 09:29:08
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/4 下午 09:31:27
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/4 下午 09:31:36
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/13 上午 10:42:39
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/13 上午 11:12:09
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/13 上午 11:28:40
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/14 下午 09:22:43
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/14 下午 09:23:18
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/14 下午 09:23:28
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/14 下午 09:52:37
ETABS Nonlinear 9.5.0 File saved as E:\WORK\2022\208A\MODEL\ETABS\SC1-2\220804\208A-SC1-2-220804-001.EDB at 2022/8/14 下午 10:29:58
  ENDCOMMENTS

  END
$ END OF MODEL FILE
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S T E E L C O D E P R E F E R E N C E S

Steel Design Code : AISC-LRFD93

Time History Type : Step-by-Step
Frame Type : Moment Frame
Phi(Bending) : 0.9
Phi(Compression) : 0.85
Phi(Tension) : 0.9
Phi(Shear) : 0.9
Phi(Compression, Angle) : 0.9
Consider Deflection? : No
Deflection Check Type : Ratio
DL Limit, L / : 120
Super DL+LL Limit, L / : 120
Live Load Limit, L / : 360
Total Load Limit, L / : 240
Total--Camber Limit, L/ : 240
DL Limit, abs : 2.54
Super DL+LL Limit, abs : 2.54
Live Load Limit, abs : 2.54
Total Load Limit, abs : 2.54
Total--Camber Limit, abs : 2.54
Pattern Live Load Factor : 0.75
Stress Ratio Limit : 1.05
Maximum Auto Iteration : 1

C O L U M N S T E E L S T R E S S C H E C K E L E M E N T I N F O R M A T I O N (AISC-LRFD93)

STORY LEVEL	COLUMN LINE	SECTION ID	FRAMING TYPE	RLLF FACTOR	L_RATIO MAJOR	L_RATIO MINOR	K MAJOR	K MINOR
PRF	C1-1	U100X100X2.0	MOMENT	1.000	0.960	0.960	1.665	1.840
PRF	C2-1	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	C3-1	U100X100X2.0	MOMENT	1.000	0.960	0.960	1.498	1.840
PRF	C4-1	U100X100X2.0	MOMENT	1.000	0.960	0.960	1.498	1.840
PRF	C5-1	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	C6-1	U100X100X2.0	MOMENT	1.000	0.960	0.960	1.665	1.000
PRF	C7-1	U100X100X2.0	MOMENT	1.000	1.000	0.877	1.000	1.000
PRF	C8-1	U100X100X2.0	MOMENT	1.000	0.965	0.867	1.000	1.000
PRF	C9-1	U100X100X2.0	MOMENT	1.000	0.965	0.867	1.000	1.000
PRF	C10-1	U100X100X2.0	MOMENT	1.000	0.965	0.867	1.000	1.000
PRF	C11-1	U100X100X2.0	MOMENT	1.000	1.000	0.780	1.000	1.000
PRF	C12-1	U100X100X2.0	MOMENT	1.000	0.874	0.788	1.000	1.000
PRF	C13-1	U100X100X2.0	MOMENT	1.000	0.874	0.874	1.000	1.000
PRF	C14-1	U100X100X2.0	MOMENT	1.000	0.874	0.788	1.000	1.000
PRF	C15-1	U100X100X2.0	MOMENT	1.000	0.811	0.811	1.000	1.000
PRF	C16-1	U100X100X2.0	MOMENT	1.000	0.811	1.000	1.000	1.000
PRF	C17-1	U100X100X2.0	MOMENT	1.000	0.811	0.811	1.000	1.000
PRF	C18-1	U100X100X2.0	MOMENT	1.000	1.000	0.877	1.000	1.000
PRF	C19-1	U100X100X2.0	MOMENT	1.000	1.000	0.443	1.000	1.000
PRF	C20-1	U100X100X2.0	MOMENT	1.000	1.000	0.443	1.000	1.000
PRF	C21-1	U100X100X2.0	MOMENT	1.000	0.960	0.960	1.665	1.840
PRF	C22-1	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	C23-1	U100X100X2.0	MOMENT	1.000	0.960	0.506	1.498	1.840
PRF	C24-1	U100X100X2.0	MOMENT	1.000	0.960	0.506	1.440	1.840
PRF	C25-1	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	C26-1	U100X100X2.0	MOMENT	1.000	0.840	0.840	2.908	1.000
PRF	C27-1	U100X100X2.0	MOMENT	1.000	0.952	0.952	1.420	1.000

B E A M S T E E L S T R E S S C H E C K E L E M E N T I N F O R M A T I O N (AISC-LRFD93)

STORY LEVEL	BEAM BAY	SECTION ID	FRAMING TYPE	RLLF FACTOR	L_RATIO MAJOR	L_RATIO MINOR	K MAJOR	K MINOR
PRF	B2	2SC125X50X20	MOMENT	1.000	0.655	0.972	1.000	1.000
PRF	B4	2SC125X50X20	MOMENT	1.000	0.978	0.978	1.000	1.000
PRF	B6	2SC125X50X20	MOMENT	1.000	0.654	0.972	1.000	1.000
PRF	B7	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B8	C125X50X20X2	MOMENT	1.000	0.999	0.999	1.000	1.000
PRF	B9	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B10	C125X50X20X2	MOMENT	1.000	0.972	0.972	1.000	1.000
PRF	B11	C125X50X20X2	MOMENT	1.000	0.978	0.978	1.000	1.000
PRF	B12	C125X50X20X2	MOMENT	1.000	0.998	0.998	1.000	1.000
PRF	B13	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B14	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B15	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B18	2SC125X50X20	MOMENT	1.000	0.436	0.987	1.000	1.000
PRF	B21	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B22	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B23	C125X50X20X2	MOMENT	1.000	0.998	0.998	1.000	1.000
PRF	B24	2SC125X50X20	MOMENT	1.000	0.496	0.688	1.000	1.000
PRF	B25	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B26	2SC125X50X20	MOMENT	1.000	0.496	0.688	1.000	1.000
PRF	B27	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B28	2SC125X50X20	MOMENT	1.000	0.450	0.983	1.000	1.000
PRF	B29	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B30	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B31	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B32	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B33	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B35	C125X50X20X2	MOMENT	1.000	0.989	0.989	1.000	1.000
PRF	B36	C125X50X20X2	MOMENT	1.000	0.975	0.975	1.000	1.000
PRF	B37	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B39	C125X50X20X2	MOMENT	1.000	0.917	0.917	1.000	1.000
PRF	B40	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B41	C125X50X20X2	MOMENT	1.000	0.669	1.000	1.000	1.000
PRF	B43	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B44	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B45	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B46	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B47	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B48	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B50	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B51	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B55	LC100X50X15X	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B56	LC100X50X15X	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B57	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B58	C125X50X20X2	MOMENT	1.000	0.999	0.999	1.000	1.000
PRF	B59	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B60	C125X50X20X2	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	B62	2SC125X50X20	MOMENT	1.000	0.655	0.972	1.000	1.000
PRF	B64	2SC125X50X20	MOMENT	1.000	0.978	0.978	1.000	1.000
PRF	B65	2SC125X50X20	MOMENT	1.000	0.483	0.959	1.000	1.000
PRF	B67	2SC125X50X20	MOMENT	1.000	0.959	0.959	1.000	1.000

B R A C E S T E E L S T R E S S C H E C K E L E M E N T I N F O R M A T I O N (AISC-LRFD93)

STORY LEVEL	BRACE BAY	SECTION ID	FRAMING TYPE	RLLF FACTOR	L_RATIO MAJOR	L_RATIO MINOR	K MAJOR	K MINOR
PRF	D1	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D2	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D3	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D4	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D5	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D6	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D7	2SC125X50X20	MOMENT	1.000	0.600	0.200	1.000	1.000
PRF	D8	2SC125X50X20	MOMENT	1.000	0.600	0.200	1.000	1.000
PRF	D9	2SC125X50X20	MOMENT	1.000	1.000	0.200	1.000	1.000
PRF	D10	2SC125X50X20	MOMENT	1.000	0.367	0.200	1.000	1.000
PRF	D11	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D12	2SC125X50X20	MOMENT	1.000	1.000	0.500	1.000	1.000
PRF	D13	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D14	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D15	2SC125X50X20	MOMENT	1.000	0.392	0.175	1.000	1.000
PRF	D16	2SC125X50X20	MOMENT	1.000	0.392	0.175	1.000	1.000
PRF	D17	2SC125X50X20	MOMENT	1.000	0.633	0.175	1.000	1.000
PRF	D18	2SC125X50X20	MOMENT	1.000	1.000	0.250	1.000	1.000
PRF	D19	2SC125X50X20	MOMENT	1.000	1.000	0.250	1.000	1.000
PRF	D20	2SC125X50X20	MOMENT	1.000	1.000	0.250	1.000	1.000
PRF	D21	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D22	LC100X50X15X	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D23	LC100X50X15X	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D24	LC100X50X15X	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D25	LC100X50X15X	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D26	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000
PRF	D27	U100X100X2.0	MOMENT	1.000	1.000	1.000	1.000	1.000

C O L U M N S T E E L S T R E S S C H E C K O U T P U T (AISC-LRFD93)

STORY LEVEL	COLUMN LINE	SECTION ID	COMBO	RATIO =	AXL +	B33 +	B22	COMBO	RATIO	COMBO	RATIO
PRF	C1-1	U100X100X2.0					02RC67	0.004	02RC72	0.007	
			02RC17(C)	0.009	= 0.003	+ 0.001	+ 0.004				
			02RC72(T)	0.056	= 0.016	+ 0.003	+ 0.037				
PRF	C2-1	U100X100X2.0					02RC71	0.008	02RC72	0.004	
			02RC68(C)	0.036	= 0.002	+ 0.006	+ 0.028				
			02RC71(T)	0.038	= 0.004	+ 0.034	+ 0.001				
PRF	C3-1	U100X100X2.0					02RC71	0.012	02RC72	0.008	
			02RC02(C)	0.023	= 0.006	+ 0.014	+ 0.003				
			02RC71(T)	0.069	= 0.012	+ 0.049	+ 0.009				
PRF	C4-1	U100X100X2.0					02RC71	0.005	02RC72	0.008	
			02RC02(C)	0.029	= 0.005	+ 0.020	+ 0.003				
			02RC68(T)	0.064	= 0.021	+ 0.006	+ 0.037				
PRF	C5-1	U100X100X2.0					02RC67	0.004	02RC68	0.004	
			02RC68(C)	0.034	= 0.002	+ 0.003	+ 0.029				
			02RC67(T)	0.030	= 0.004	+ 0.025	+ 0.001				
PRF	C6-1	U100X100X2.0					02RC67	0.003	02RC72	0.007	
			02RC67(C)	0.043	= 0.018	+ 0.022	+ 0.003				
			02RC72(T)	0.049	= 0.013	+ 0.000	+ 0.036				
PRF	C7-1	U100X100X2.0					02RC67	0.002	02RC68	0.042	
			02RC72(C)	0.045	= 0.002	+ 0.001	+ 0.042				
			02RC67(T)	0.024	= 0.004	+ 0.017	+ 0.004				
PRF	C8-1	U100X100X2.0					02RC71	0.003	02RC68	0.029	
			02RC68(C)	0.049	= 0.003	+ 0.001	+ 0.044				
			02RC72(T)	0.042	= 0.000	+ 0.001	+ 0.041				
PRF	C9-1	U100X100X2.0					02RC71	0.002	02RC68	0.036	
			02RC68(C)	0.053	= 0.008	+ 0.004	+ 0.041				
			02RC71(T)	0.054	= 0.032	+ 0.003	+ 0.018				
PRF	C10-1	U100X100X2.0					02RC67	0.001	02RC68	0.029	
			02RC68(C)	0.051	= 0.007	+ 0.001	+ 0.043				
			02RC71(T)	0.042	= 0.030	+ 0.012	+ 0.000				
PRF	C11-1	U100X100X2.0					02RC67	0.016	02RC68	0.023	
			02RC68(C)	0.075	= 0.023	+ 0.001	+ 0.051				
			02RC72(T)	0.052	= 0.008	+ 0.002	+ 0.042				
PRF	C12-1	U100X100X2.0					02RC71	0.020	02RC68	0.013	
			02RC68(C)	0.061	= 0.011	+ 0.001	+ 0.049				
			02RC71(T)	0.058	= 0.033	+ 0.025	+ 0.000				
PRF	C13-1	U100X100X2.0					02RC67	0.019	02RC68	0.025	
			02RC68(C)	0.047	= 0.005	+ 0.001	+ 0.040				
			02RC71(T)	0.038	= 0.011	+ 0.027	+ 0.001				
PRF	C14-1	U100X100X2.0					02RC67	0.034	02RC68	0.042	
			02RC68(C)	0.058	= 0.006	+ 0.001	+ 0.051				
			02RC71(T)	0.027	= 0.009	+ 0.015	+ 0.003				
PRF	C15-1	U100X100X2.0					02RC67	0.020	02RC72	0.027	
			02RC68(C)	0.052	= 0.005	+ 0.001	+ 0.046				
			02RC71(T)	0.055	= 0.012	+ 0.038	+ 0.005				
PRF	C16-1	U100X100X2.0					02RC71	0.009	02RC72	0.002	
			02RC68(C)	0.028	= 0.003	+ 0.006	+ 0.019				
			02RC71(T)	0.043	= 0.006	+ 0.037	+ 0.000				
PRF	C17-1	U100X100X2.0					02RC67	0.013	02RC71	0.026	
			02RC68(C)	0.062	= 0.011	+ 0.001	+ 0.050				
			02RC71(T)	0.068	= 0.031	+ 0.000	+ 0.036				
PRF	C18-1	U100X100X2.0					02RC67	0.003	02RC72	0.026	
			02RC68(C)	0.057	= 0.007	+ 0.001	+ 0.049				
			02RC71(T)	0.031	= 0.013	+ 0.018	+ 0.000				
PRF	C19-1	U100X100X2.0					02RC71	0.006	02RC72	0.025	
			02RC68(C)	0.056	= 0.013	+ 0.001	+ 0.042				
			02RC72(T)	0.061	= 0.005	+ 0.002	+ 0.054				
PRF	C20-1	U100X100X2.0					02RC71	0.005	02RC72	0.019	
			02RC68(C)	0.056	= 0.013	+ 0.005	+ 0.038				
			02RC71(T)	0.044	= 0.020	+ 0.021	+ 0.002				
PRF	C21-1	U100X100X2.0					02RC71	0.004	02RC68	0.008	
			02RC68(C)	0.064	= 0.026	+ 0.000	+ 0.037				
			02RC71(T)	0.035	= 0.012	+ 0.023	+ 0.000				
PRF	C22-1	U100X100X2.0					02RC71	0.008	02RC72	0.004	
			02RC68(C)	0.034	= 0.003	+ 0.003	+ 0.028				
			02RC71(T)	0.037	= 0.004	+ 0.033	+ 0.001				
PRF	C23-1	U100X100X2.0					02RC71	0.018	02RC68	0.012	
			02RC68(C)	0.090	= 0.033	+ 0.011	+ 0.046				
			02RC71(T)	0.098	= 0.016	+ 0.075	+ 0.007				
PRF	C24-1	U100X100X2.0					02RC71	0.012	02RC68	0.014	
			02RC68(C)	0.097	= 0.033	+ 0.013	+ 0.051				
			02RC71(T)	0.100	= 0.015	+ 0.073	+ 0.011				
PRF	C25-1	U100X100X2.0					02RC71	0.007	02RC68	0.004	
			02RC68(C)	0.031	= 0.002	+ 0.001	+ 0.028				
			02RC71(T)	0.033	= 0.001	+ 0.032	+ 0.001				
PRF	C26-1	U100X100X2.0					02RC71	0.031	02RC72	0.057	
			02RC68(C)	0.073	= 0.005	+ 0.003	+ 0.066				
			02RC68(T)	0.043	= 0.000	+ 0.001	+ 0.041				
PRF	C27-1	U100X100X2.0					02RC67	0.007	02RC68	0.015	
			02RC68(C)	0.061	= 0.003	+ 0.001	+ 0.057				
			02RC67(T)	0.036	= 0.000	+ 0.034	+ 0.003				

B E A M S T E E L S T R E S S C H E C K O U T P U T (AISC-LRFD93)

STORY LEVEL	BEAM BAY	SECTION ID	COMBO	RATIO =	AXL +	B33 +	B22	COMBO	RATIO	COMBO	RATIO
PRF	B2	2SC125X50X20X2					02RC71	0.062	02RC72	0.000	
			02RC71(T)	0.095	= 0.000	+ 0.095	+ 0.000				
PRF	B4	2SC125X50X20X2					02RC71	0.116	02RC72	0.000	
			02RC71(T)	0.312	= 0.000	+ 0.312	+ 0.000				
PRF	B6	2SC125X50X20X2					02RC71	0.074	02RC72	0.000	
			02RC71(T)	0.151	= 0.000	+ 0.151	+ 0.000				
PRF	B7	C125X50X20X2.0					02RC71	0.096	02RC72	0.000	
			02RC71(T)	0.657	= 0.000	+ 0.657	+ 0.000				
PRF	B8	C125X50X20X2.0	kl/r > 200				02RC71	0.131	02RC71	0.438	
			02RC02(C)	0.311	= 0.000	+ 0.295	+ 0.016				
			02RC71(T)	0.830	= 0.000	+ 0.787	+ 0.043				
PRF	B9	C125X50X20X2.0					02RC71	0.096	02RC72	0.000	
			02RC71(T)	0.654	= 0.000	+ 0.654	+ 0.000				
PRF	B10	C125X50X20X2.0					02RC71	0.094	02RC72	0.000	
			02RC71(T)	0.621	= 0.000	+ 0.621	+ 0.000				
PRF	B11	C125X50X20X2.0					02RC71	0.115	02RC72	0.000	
			02RC71(T)	0.934	= 0.000	+ 0.934	+ 0.000				
PRF	B12	C125X50X20X2.0					02RC71	0.510	02RC71	1.026	
			02RC71(C)	0.529	= 0.000	+ 0.501	+ 0.028				
			02RC02(T)	0.198	= 0.000	+ 0.188	+ 0.010				
PRF	B13	C125X50X20X2.0					02RC71	0.096	02RC72	0.000	
			02RC71(T)	0.657	= 0.000	+ 0.657	+ 0.000				
PRF	B14	C125X50X20X2.0					02RC71	0.118	02RC72	0.000	
			02RC71(T)	0.981	= 0.000	+ 0.981	+ 0.000				
PRF	B15	C125X50X20X2.0					02RC71	0.096	02RC72	0.000	
			02RC71(T)	0.654	= 0.000	+ 0.654	+ 0.000				
PRF	B18	2SC125X50X20X2	kl/r > 200				02RC68	0.017	02RC67	0.002	
			02RC72(C)	0.059	= 0.023	+ 0.036	+ 0.001				
			02RC68(T)	0.050	= 0.000	+ 0.050	+ 0.000				
PRF	B21	C125X50X20X2.0					02RC71	0.096	02RC72	0.000	
			02RC71(T)	0.657	= 0.000	+ 0.657	+ 0.000				
PRF	B22	C125X50X20X2.0					02RC71	0.118	02RC72	0.000	
			02RC71(T)	0.979	= 0.000	+ 0.979	+ 0.000				
PRF	B23	C125X50X20X2.0					02RC71	0.119	02RC71	0.560	
			02RC02(C)	0.229	= 0.000	+ 0.210	+ 0.019				
			02RC71(T)	0.611	= 0.000	+ 0.561	+ 0.050				
PRF	B24	2SC125X50X20X2	kl/r > 200				02RC68	0.025	02RC67	0.007	
			02RC72(C)	0.071	= 0.030	+ 0.041	+ 0.000				
			02RC68(T)	0.046	= 0.002	+ 0.043	+ 0.001				
PRF	B25	C125X50X20X2.0					02RC71	0.096	02RC72	0.000	
			02RC71(T)	0.657	= 0.000	+ 0.657	+ 0.000				
PRF	B26	2SC125X50X20X2	kl/r > 200				02RC68	0.027	02RC67	0.006	
			02RC72(C)	0.064	= 0.033	+ 0.031	+ 0.001				
			02RC71(T)	0.030	= 0.002	+ 0.017	+ 0.011				
PRF	B27	C125X50X20X2.0					02RC71	0.118	02RC72	0.000	
			02RC71(T)	0.984	= 0.000	+ 0.984	+ 0.000				
PRF	B28	2SC125X50X20X2	kl/r > 200 , l/r > 300				02RC68	0.019	02RC71	0.005	
			02RC68(C)	0.229	= 0.202	+ 0.027	+ 0.001				
			02RC68(T)	0.042	= 0.002	+ 0.035	+ 0.005				
PRF	B29	C125X50X20X2.0					02RC71	0.096	02RC72	0.000	
			02RC71(T)	0.651	= 0.000	+ 0.651	+ 0.000				
PRF	B30	C125X50X20X2.0					02RC71	0.096	02RC72	0.000	
			02RC71(T)	0.657	= 0.000	+ 0.657	+ 0.000				
PRF	B31	C125X50X20X2.0					02RC71	0.118	02RC72	0.000	
			02RC71(T)	0.981	= 0.000	+ 0.981	+ 0.000				
PRF	B32	C125X50X20X2.0					02RC71	0.096	02RC72	0.000	
			02RC71(T)	0.653	= 0.000	+ 0.653	+ 0.000				

PRF	B33	C125X50X20X2.0					02RC71	0.096	02RC72	0.000
		02RC71(T)	0.657	= 0.000 + 0.657 + 0.000						
PRF	B35	C125X50X20X2.0					02RC71	0.117	02RC72	0.000
		02RC71(T)	0.955	= 0.000 + 0.955 + 0.000						
PRF	B36	C125X50X20X2.0					02RC71	0.501	02RC71	1.065
		02RC71(C)	0.255	= 0.000 + 0.240 + 0.015						
		02RC02(T)	0.096	= 0.000 + 0.090 + 0.006						
PRF	B37	C125X50X20X2.0					02RC71	0.064	02RC72	0.000
		02RC71(T)	0.281	= 0.000 + 0.281 + 0.000						
PRF	B39	C125X50X20X2.0					02RC71	0.029	02RC72	0.000
		02RC71(T)	0.054	= 0.000 + 0.054 + 0.000						
PRF	B40	C125X50X20X2.0					02RC71	0.032	02RC72	0.000
		02RC71(T)	0.064	= 0.000 + 0.064 + 0.000						
PRF	B41	C125X50X20X2.0					02RC71	0.081	02RC72	0.001
		02RC71(C)	0.092	= 0.005 + 0.087 + 0.000						
		02RC71(T)	0.296	= 0.000 + 0.295 + 0.000						
PRF	B43	C125X50X20X2.0					02RC71	0.096	02RC72	0.000
		02RC71(T)	0.657	= 0.000 + 0.657 + 0.000						
PRF	B44	C125X50X20X2.0					02RC71	0.118	02RC72	0.000
		02RC71(T)	0.980	= 0.000 + 0.980 + 0.000						
PRF	B45	C125X50X20X2.0					02RC71	0.064	02RC72	0.000
		02RC71(T)	0.279	= 0.000 + 0.279 + 0.000						
PRF	B46	C125X50X20X2.0					02RC71	0.032	02RC72	0.000
		02RC71(T)	0.064	= 0.000 + 0.064 + 0.000						
PRF	B47	C125X50X20X2.0					02RC71	0.096	02RC72	0.000
		02RC71(T)	0.657	= 0.000 + 0.657 + 0.000						
PRF	B48	C125X50X20X2.0					02RC71	0.118	02RC72	0.000
		02RC71(T)	0.980	= 0.000 + 0.980 + 0.000						
PRF	B50	C125X50X20X2.0					02RC71	0.064	02RC72	0.000
		02RC71(T)	0.279	= 0.000 + 0.279 + 0.000						
PRF	B51	C125X50X20X2.0					02RC71	0.032	02RC72	0.000
		02RC71(T)	0.064	= 0.000 + 0.064 + 0.000						
PRF	B55	LC100X50X15X2					02RC68	0.005	02RC71	0.005
		02RC68(C)	0.100	= 0.036 + 0.058 + 0.006						
		02RC02(T)	0.014	= 0.002 + 0.005 + 0.007						
PRF	B56	LC100X50X15X2					02RC68	0.004	02RC71	0.003
		02RC68(C)	0.100	= 0.040 + 0.056 + 0.004						
		02RC02(T)	0.012	= 0.000 + 0.007 + 0.004						
PRF	B57	C125X50X20X2.0					02RC71	0.096	02RC72	0.000
		02RC71(T)	0.657	= 0.000 + 0.657 + 0.000						
PRF	B58	C125X50X20X2.0		kl/r > 200			02RC71	0.130	02RC71	0.374
		02RC71(C)	0.850	= 0.000 + 0.800 + 0.049						
		02RC02(T)	0.318	= 0.000 + 0.300 + 0.018						
PRF	B59	C125X50X20X2.0					02RC71	0.064	02RC72	0.000
		02RC71(T)	0.280	= 0.000 + 0.280 + 0.000						
PRF	B60	C125X50X20X2.0					02RC71	0.032	02RC72	0.000
		02RC71(T)	0.064	= 0.000 + 0.064 + 0.000						
PRF	B62	2SC125X50X20X2					02RC71	0.065	02RC72	0.000
		02RC71(T)	0.112	= 0.000 + 0.112 + 0.000						
PRF	B64	2SC125X50X20X2					02RC71	0.116	02RC72	0.000
		02RC71(T)	0.308	= 0.000 + 0.308 + 0.000						
PRF	B65	2SC125X50X20X2					02RC71	0.073	02RC72	0.000
		02RC71(T)	0.154	= 0.000 + 0.154 + 0.000						
PRF	B67	2SC125X50X20X2					02RC71	0.051	02RC72	0.000
		02RC71(T)	0.060	= 0.000 + 0.060 + 0.000						

B R A C E S T E E L S T R E S S C H E C K O U T P U T (AISC-LRFD93)

STORY LEVEL	BRACE BAY	SECTION ID	/----------MOMENT INTERACTION CHECK----------//----SHEAR22---//----SHEAR33---/ COMBO	RATIO	= AXL +	B33 +	B22	COMBO	RATIO	COMBO	RATIO
PRF	D1	U100X100X2.0					02RC67	0.004	02RC72	0.006
		02RC71(C)	0.042	= 0.024 + 0.017 + 0.001						
		02RC72(T)	0.050	= 0.016 + 0.003 + 0.031						
PRF	D2	U100X100X2.0					02RC67	0.004	02RC72	0.006
		02RC13(C)	0.012	= 0.005 + 0.005 + 0.002						
		02RC67(T)	0.045	= 0.021 + 0.021 + 0.003						
PRF	D3	U100X100X2.0					02RC72	0.005	02RC67	0.003
		02RC72(C)	0.061	= 0.035 + 0.025 + 0.000						
		02RC13(T)	0.017	= 0.006 + 0.010 + 0.001						
PRF	D4	U100X100X2.0					02RC72	0.005	02RC67	0.003
		02RC72(C)	0.076	= 0.045 + 0.028 + 0.002						
		02RC67(T)	0.033	= 0.011 + 0.003 + 0.019						
PRF	D5	U100X100X2.0					02RC72	0.006	02RC71	0.010
		02RC68(C)	0.073	= 0.041 + 0.024 + 0.009						
		02RC71(T)	0.062	= 0.009 + 0.010 + 0.043						
PRF	D6	U100X100X2.0					02RC72	0.006	02RC71	0.005
		02RC68(C)	0.071	= 0.041 + 0.025 + 0.005						
		02RC71(T)	0.058	= 0.009 + 0.013 + 0.035						
PRF	D7	2SC125X50X20X2					02RC72	0.026	02RC67	0.004
		02RC68(C)	0.081	= 0.026 + 0.053 + 0.002						
		02RC71(T)	0.090	= 0.038 + 0.041 + 0.011						
PRF	D8	2SC125X50X20X2					02RC71	0.047	02RC71	0.003
		02RC68(C)	0.081	= 0.038 + 0.038 + 0.005						
		02RC71(T)	0.180	= 0.081 + 0.085 + 0.013						
PRF	D9	2SC125X50X20X2					02RC71	0.042	02RC71	0.073
		02RC02(C)	0.150	= 0.040 + 0.004 + 0.106						
		02RC71(T)	0.365	= 0.074 + 0.011 + 0.280						
PRF	D10	2SC125X50X20X2					02RC71	0.035	02RC67	0.031
		02RC68(C)	0.085	= 0.036 + 0.047 + 0.002						
		02RC71(T)	0.057	= 0.016 + 0.015 + 0.026						
PRF	D11	U100X100X2.0					02RC72	0.008	02RC67	0.005
		02RC13(C)	0.012	= 0.005 + 0.006 + 0.001						
		02RC72(T)	0.067	= 0.028 + 0.038 + 0.001						
PRF	D12	2SC125X50X20X2					02RC71	0.022	02RC71	0.000
		02RC68(C)	0.058	= 0.028 + 0.030 + 0.000						
		02RC71(T)	0.054	= 0.025 + 0.028 + 0.001						
PRF	D13	U100X100X2.0					02RC67	0.006	02RC68	0.009
		02RC68(C)	0.048	= 0.007 + 0.004 + 0.038						
		02RC67(T)	0.049	= 0.019 + 0.028 + 0.002						
PRF	D14	U100X100X2.0					02RC67	0.005	02RC72	0.009
		02RC68(C)	0.048	= 0.002 + 0.006 + 0.040						
		02RC72(T)	0.033	= 0.000 + 0.000 + 0.032						
PRF	D15	2SC125X50X20X2					02RC71	0.053	02RC67	0.037
		02RC71(C)	0.055	= 0.017 + 0.020 + 0.019						
		02RC71(T)	0.095	= 0.043 + 0.051 + 0.002						
PRF	D16	2SC125X50X20X2					02RC71	0.115	02RC67	0.030
		02RC02(C)	0.089	= 0.042 + 0.047 + 0.000						
		02RC71(T)	0.223	= 0.099 + 0.124 + 0.001						
PRF	D17	2SC125X50X20X2					02RC71	0.092	02RC71	0.182
		02RC71(C)	0.272	= 0.030 + 0.018 + 0.223						
		02RC71(T)	0.239	= 0.050 + 0.001 + 0.189						
PRF	D18	2SC125X50X20X2					02RC71	0.018	02RC71	0.002
		02RC68(C)	0.039	= 0.006 + 0.032 + 0.001						
		02RC71(T)	0.062	= 0.027 + 0.029 + 0.006						
PRF	D19	2SC125X50X20X2					02RC68	0.021	02RC67	0.001
		02RC68(C)	0.043	= 0.003 + 0.040 + 0.000						
		02RC71(T)	0.038	= 0.017 + 0.017 + 0.004						
PRF	D20	2SC125X50X20X2					02RC68	0.042	02RC71	0.005
		02RC71(C)	0.034	= 0.015 + 0.016 + 0.003						
		02RC68(T)	0.088	= 0.001 + 0.085 + 0.002						
PRF	D21	U100X100X2.0					02RC68	0.006	02RC71	0.003
		02RC11(C)	0.008	= 0.004 + 0.002 + 0.003						
		02RC72(T)	0.067	= 0.033 + 0.034 + 0.000						
PRF	D22	LC100X50X15X2					02RC68	0.001	02RC71	0.004
		02RC17(C)	0.026	= 0.011 + 0.003 + 0.011						
		02RC68(T)	0.069	= 0.048 + 0.008 + 0.013						
PRF	D23	LC100X50X15X2					02RC01	0.001	02RC71	0.001
		02RC17(C)	0.020	= 0.012 + 0.005 + 0.003						
		02RC68(T)	0.062	= 0.046 + 0.013 + 0.003						
PRF	D24	LC100X50X15X2					02RC67	0.001	02RC71	0.002
		02RC13(C)	0.025	= 0.008 + 0.003 + 0.013						
		02RC68(T)	0.066	= 0.046 + 0.006 + 0.015						
PRF	D25	LC100X50X15X2					02RC68	0.001	02RC71	0.001
		02RC13(C)	0.016	= 0.009 + 0.006 + 0.001						
		02RC68(T)	0.071	= 0.050 + 0.020 + 0.001						
PRF	D26	U100X100X2.0					02RC67	0.004	02RC68	0.006
		02RC68(C)	0.054	= 0.017 + 0.005 + 0.032						
		02RC11(T)	0.009	= 0.002 + 0.006 + 0.000						
PRF	D27	U100X100X2.0					02RC67	0.006	02RC68	0.010
		02RC68(C)	0.048	= 0.004 + 0.001 + 0.043						
		02RC71(T)	0.051	= 0.024 + 0.027 + 0.000						

```
$ File E:\WORK\2022\2208A\MODEL\SAFE\SC1-2\2208A-SC1-2-220804-001.U3S saved 8/14/22 22:29:36 in Kgf-cm
  SAFE "8.1.0"
  UNITS  Kgf  cm
$ TITLES
  TITLE1  "Lo-Lat Structure Studio"
  TITLE2  ""
$ GRIDS
  GRID  "GLOBAL"  X  "X1"  0
  GRID  "GLOBAL"  X  "X2"  362.5
  GRID  "GLOBAL"  X  "X3"  807.5
  GRID  "GLOBAL"  X  "X4"  1050
  GRID  "GLOBAL"  X  "X5"  1170
  GRID  "GLOBAL"  Y  "Y1"  0
  GRID  "GLOBAL"  Y  "Y2"  390
  GRID  "GLOBAL"  Y  "Y3"  417.5
  GRID  "GLOBAL"  Y  "Y4"  600
  MESH  MAX 100
$ BEAM PROPERTIES
  BEAMPROP  "RB45X60C4"  E 250998  U 0.2  W 0.0024
  BEAMPROP  "RB45X60C4"  TYPE R  B 45  D 60
  BEAMPROP  "RB45X60C4"  DSNSEC  0
  BEAMPROP  "RB45X60C4"  BDESIGN 45  DDESIGN 60
  BEAMPROP  "RB45X60C4"  CT 6  CB 6
  BEAMPROP  "RB45X60C4"  FC 280  FY 4200  FYS 4200  FCS 280
$ SLAB PROPERTIES
  SLABPROP  "S40"  E 250998  U 0.2  W 0.0024
  SLABPROP  "S40"  T 40  TYPE THICK
  SLABPROP  "S40"  CTI 8  CTJ 8  CBJ 8
  SLABPROP  "S40"  FC 280  FY 4200
  SLABPROP  "Col_Stiff"  E 250998  U 0.2  W 0.0024
  SLABPROP  "Col_Stiff"  T 200  TYPE THICK
  SLABPROP  "Col_Stiff"  DESIGN NO
$ COLUMN PROPERTIES
$ WALL PROPERTIES
$ SOIL PROPERTIES
  SOILPROP  "F3"  K 1
  SOILPROP  "F1"  K 1
  SOILPROP  "F2"  K 1
  SOILPROP  "F6"  K 1
  SOILPROP  "F4"  K 1
  SOILPROP  "F5"  K 1
$ POINT COORDINATES
  POINT  "1"  0  0
  POINT  "3"  362.5  0
  POINT  "4"  807.5  0
  POINT  "6"  1170  0
  POINT  "42"  0  417.5
  POINT  "44"  362.5  417.5
  POINT  "39"  807.5  390
  POINT  "41"  1170  390
  POINT  "63"  0  600
  POINT  "65"  362.5  600
  POINT  "66"  807.5  600
  POINT  "69"  1170  600
  POINT  "50"  0  490
  POINT  "12"  0  120
  POINT  "51"  362.5  490
  POINT  "13"  362.5  120
  POINT  "52"  808  490
  POINT  "14"  807.5  120
  POINT  "40"  1049.5  390
  POINT  "68"  1049.5  600
  POINT  "11"  1170  110
  POINT  "20"  1170  220
  POINT  "5"  1049.5  0
  POINT  "2"  120  0
  POINT  "43"  120  417.5
  POINT  "64"  120  600
  POINT  "67"  929.5  600
$ LINE CONNECTIVITY
  LINE  "B1"  0  0  362.5  0
  LINE  "B3"  362.5  0  807.5  0
  LINE  "B5"  807.5  0  1170  0
  LINE  "B19"  0  0  0  417.5
  LINE  "B42"  0  417.5  362.5  417.5
  LINE  "B34"  362.5  390  807.5  390
  LINE  "B38"  807.5  390  1170  390
  LINE  "B53"  0  417.5  0  600
  LINE  "B61"  0  600  362.5  600
  LINE  "B63"  362.5  600  807.5  600
  LINE  "B66"  807.5  600  1170  600
  LINE  "B20"  362.5  0  362.5  417.5
  LINE  "B54"  362.5  417.5  362.5  600
  LINE  "B16"  807.5  0  807.5  390
  LINE  "B49"  807.5  390  807.5  600
  LINE  "B17"  1170  0  1170  390
  LINE  "B52"  1170  390  1170  600
$ AREA CONNECTIVITY
  AREA  "F3"  4  0  0  362.5  0  362.5  417.5  0  417.5
  AREA  "F1"  4  362.5  0  807.5  0  807.5  390  362.5  390
  AREA  "F2"  4  807.5  0  1170  0  1170  390  807.5  390
  AREA  "F6"  4  0  417.5  362.5  417.5  362.5  600  0  600
  AREA  "F4"  4  362.5  390  807.5  390  807.5  600  362.5  600
  AREA  "F5"  4  807.5  390  1170  390  1170  600  807.5  600
$ BEAM ASSIGNS
  BEAM  "B1"  "RB45X60C4"
  BEAM  "B3"  "RB45X60C4"
  BEAM  "B5"  "RB45X60C4"
  BEAM  "B19"  "RB45X60C4"
  BEAM  "B42"  "RB45X60C4"
  BEAM  "B34"  "RB45X60C4"
  BEAM  "B38"  "RB45X60C4"
  BEAM  "B53"  "RB45X60C4"
  BEAM  "B61"  "RB45X60C4"
  BEAM  "B63"  "RB45X60C4"
  BEAM  "B66"  "RB45X60C4"
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  BEAM  "B54"  "RB45X60C4"
  BEAM  "B16"  "RB45X60C4"
  BEAM  "B49"  "RB45X60C4"
  BEAM  "B17"  "RB45X60C4"
  BEAM  "B52"  "RB45X60C4"
$ SLAB ASSIGNS
  SLAB  "F3"  "S40"
  SLAB  "F1"  "S40"
  SLAB  "F2"  "S40"
  SLAB  "F6"  "S40"
  SLAB  "F4"  "S40"
  SLAB  "F5"  "S40"
$ COLUMN ASSIGNS
$ WALL ASSIGNS
$ SOIL ASSIGNS
  SOIL  "F3"  "F3"
  SOIL  "F1"  "F1"
  SOIL  "F2"  "F2"
  SOIL  "F6"  "F6"
  SOIL  "F4"  "F4"
  SOIL  "F5"  "F5"
$ RELEASE ASSIGNS
$ LOADS
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  POINTLOAD  "DL"  "1"  F  31.71986  MX  116.8891  MY  119.9543
  POINTLOAD  "DL"  "63"  F  42.25966  MX  -12.24717  MY  -59.32657
  POINTLOAD  "DL"  "50"  F  124.1137  MX  -277.4899  MY  -11.91332
  POINTLOAD  "DL"  "12"  F  100.178  MX  1540.166  MY  165.1808
  POINTLOAD  "DL"  "3"  F  60.02691  MX  -12.13656  MY  41.84135
  POINTLOAD  "DL"  "65"  F  93.16744  MX  -149.9215  MY  -267.6956
  POINTLOAD  "DL"  "51"  F  108.5952  MX  -134.9346  MY  -35.61036
  POINTLOAD  "DL"  "13"  F  201.1538  MX  1987.103  MY  -827.4454
  POINTLOAD  "DL"  "44"  F  123.8861  MX  -152.8364  MY  67.86761
  POINTLOAD  "DL"  "4"  F  32.24377  MX  -138.0818  MY  390.1038
  POINTLOAD  "DL"  "66"  F  114.1861  MX  -350.8459  MY  365.9523
  POINTLOAD  "DL"  "52"  F  84.82176  MX  3.252607E-14  MY  -2.642743E-14
  POINTLOAD  "DL"  "14"  F  225.4736  MX  1265.223  MY  414.5227
  POINTLOAD  "DL"  "39"  F  124.8911  MX  -325.395  MY  67.75353
  POINTLOAD  "DL"  "68"  F  66.8425  MX  -509.149  MY  4.937742
  POINTLOAD  "DL"  "40"  F  170.1884  MX  -601.1084  MY  1236.191
  POINTLOAD  "DL"  "6"  F  215.5348  MX  -202.2014  MY  182.2433
  POINTLOAD  "DL"  "11"  F  -41.83714  MX  1966.543  MY  370.0649
  POINTLOAD  "DL"  "20"  F  -37.87113  MX  -861.3784  MY  120.4769
  POINTLOAD  "DL"  "41"  F  124.2699  MX  -501.5333  MY  84.65174
  POINTLOAD  "DL"  "69"  F  60.13242  MX  -521.9988  MY  30.78362
  POINTLOAD  "DL"  "5"  F  161.2529  MX  -365.2663  MY  1252.307
  POINTLOAD  "DL"  "2"  F  157.4923  MX  84.94157  MY  -617.7457
  POINTLOAD  "DL"  "43"  F  135.6926  MX  2.837159  MY  -1006.867
  POINTLOAD  "DL"  "42"  F  65.33439  MX  16.50336  MY  39.32426
  POINTLOAD  "DL"  "64"  F  90.95395  MX  -17.1267  MY  -842.4331
  POINTLOAD  "DL"  "67"  F  101.2997  MX  -483.3633  MY  400.6738
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  POINTLOAD  "SDL"  "1"  F  24.96463  MX  103.6219  MY  14.22832
  POINTLOAD  "SDL"  "63"  F  14.354  MX  10.56368  MY  -35.72332
  POINTLOAD  "SDL"  "50"  F  102.3581  MX  57.82071  MY  -24.52529
  POINTLOAD  "SDL"  "12"  F  125.271  MX  388.5757  MY  -57.44519
  POINTLOAD  "SDL"  "3"  F  107.8908  MX  142.8343  MY  -498.0289
  POINTLOAD  "SDL"  "65"  F  130.8395  MX  -71.08284  MY  -781.1849
  POINTLOAD  "SDL"  "51"  F  236.3813  MX  -27.96907  MY  -185.4737
  POINTLOAD  "SDL"  "13"  F  373.6181  MX  653.9342  MY  -651.4344
  POINTLOAD  "SDL"  "44"  F  303.7885  MX  5.273942  MY  11.55177
  POINTLOAD  "SDL"  "4"  F  103.4977  MX  143.8003  MY  737.045
  POINTLOAD  "SDL"  "66"  F  129.239  MX  -122.056  MY  1209.682
  POINTLOAD  "SDL"  "52"  F  217.1063  MX  3.438954E-14  MY  3.482999E-13
  POINTLOAD  "SDL"  "14"  F  371.9856  MX  479.5065  MY  715.7893
  POINTLOAD  "SDL"  "39"  F  306.7755  MX  -50.7339  MY  23.9313
  POINTLOAD  "SDL"  "68"  F  67.63763  MX  -87.83962  MY  -35.66156
  POINTLOAD  "SDL"  "40"  F  180.916  MX  -66.42721  MY  197.0955
  POINTLOAD  "SDL"  "6"  F  59.72916  MX  2.201909  MY  58.17301
  POINTLOAD  "SDL"  "11"  F  69.15037  MX  561.9489  MY  97.05044
  POINTLOAD  "SDL"  "20"  F  25.70093  MX  -165.2535  MY  25.7715
  POINTLOAD  "SDL"  "41"  F  68.69841  MX  -69.60085  MY  13.39439
  POINTLOAD  "SDL"  "69"  F  41.32236  MX  -113.8332  MY  94.18938
  POINTLOAD  "SDL"  "5"  F  74.5962  MX  -20.59321  MY  365.0195
  POINTLOAD  "SDL"  "2"  F  80.82896  MX  109.8272  MY  -229.6225
  POINTLOAD  "SDL"  "43"  F  126.5454  MX  67.48324  MY  -339.8297
  POINTLOAD  "SDL"  "42"  F  82.96911  MX  63.43338  MY  18.05223
  POINTLOAD  "SDL"  "64"  F  51.55552  MX  35.57952  MY  -264.7077
  POINTLOAD  "SDL"  "67"  F  65.88001  MX  -84.47336  MY  -93.29874
  AREALOAD  "SDL"  "F3"  W  0.03
  AREALOAD  "SDL"  "F1"  W  0.03
  AREALOAD  "SDL"  "F2"  W  0.03
  AREALOAD  "SDL"  "F6"  W  0.03
  AREALOAD  "SDL"  "F4"  W  0.03
  AREALOAD  "SDL"  "F5"  W  0.03
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  POINTLOAD  "LL"  "1"  F  29.36363  MX  158.6085  MY  85.76875
  POINTLOAD  "LL"  "63"  F  20.43431  MX  25.42732  MY  -52.31751
  POINTLOAD  "LL"  "50"  F  154.5156  MX  117.3735  MY  -21.02508
  POINTLOAD  "LL"  "12"  F  176.3261  MX  964.0791  MY  -3.969825
  POINTLOAD  "LL"  "3"  F  155.6843  MX  157.1791  MY  -662.8635
  POINTLOAD  "LL"  "65"  F  201.4895  MX  -147.0956  MY  -1174.851
  POINTLOAD  "LL"  "51"  F  349.5811  MX  -74.36809  MY  -268.4663
  POINTLOAD  "LL"  "13"  F  566.7829  MX  1636.568  MY  -1294.452
  POINTLOAD  "LL"  "44"  F  455.2467  MX  -35.17375  MY  41.41224
  POINTLOAD  "LL"  "4"  F  139.1634  MX  113.2243  MY  1169.089
  POINTLOAD  "LL"  "66"  F  207.1281  MX  -291.9452  MY  1816.691
  POINTLOAD  "LL"  "52"  F  312.8154  MX  -6.971081E-14  MY  3.64563E-13
  POINTLOAD  "LL"  "14"  F  574.0448  MX  1083.874  MY  1153.569
  POINTLOAD  "LL"  "39"  F  459.3916  MX  -183.749  MY  59.1662
  POINTLOAD  "LL"  "68"  F  101.5552  MX  -322.6978  MY  -46.3221
  POINTLOAD  "LL"  "40"  F  280.6555  MX  -332.9774  MY  626.1723
  POINTLOAD  "LL"  "6"  F  148.2266  MX  -100.9129  MY  128.9904
  POINTLOAD  "LL"  "11"  F  29.3796  MX  1546.685  MY  256.7102
  POINTLOAD  "LL"  "20"  F  -0.8118129  MX  -561.0439  MY  81.39012
  POINTLOAD  "LL"  "41"  F  123.3129  MX  -287.8284  MY  46.2118
  POINTLOAD  "LL"  "69"  F  65.04506  MX  -358.6326  MY  139.6586
  POINTLOAD  "LL"  "5"  F  134.3048  MX  -193.07  MY  825.434
  POINTLOAD  "LL"  "2"  F  140.7299  MX  157.1571  MY  -399.1272
  POINTLOAD  "LL"  "43"  F  194.743  MX  102.2336  MY  -755.7132
  POINTLOAD  "LL"  "42"  F  120.8195  MX  107.4328  MY  56.79384
  POINTLOAD  "LL"  "64"  F  76.27451  MX  50.91488  MY  -506.8147
  POINTLOAD  "LL"  "67"  F  99.19774  MX  -309.597  MY  -150.5949
  AREALOAD  "LL"  "F3"  W  0.1
  AREALOAD  "LL"  "F1"  W  0.1
  AREALOAD  "LL"  "F2"  W  0.1
  AREALOAD  "LL"  "F6"  W  0.1
  AREALOAD  "LL"  "F4"  W  0.1
  AREALOAD  "LL"  "F5"  W  0.1
  LOAD "EXP" TYPE  QUAKE  SELFWEIGHT  0  LTDFACTOR  1
  POINTLOAD  "EXP"  "1"  F  -134.3153  MX  -9.822261  MY  783.4017
  POINTLOAD  "EXP"  "63"  F  -134.4654  MX  -84.71367  MY  863.0354
  POINTLOAD  "EXP"  "50"  F  -196.2064  MX  -59.32362  MY  1481.485
  POINTLOAD  "EXP"  "12"  F  -127.5627  MX  -97.11495  MY  1253.315
  POINTLOAD  "EXP"  "3"  F  2.013803  MX  5.328728  MY  841.8984
  POINTLOAD  "EXP"  "65"  F  0.3498518  MX  7.300854  MY  972.0579
  POINTLOAD  "EXP"  "51"  F  1.581333  MX  9.547846  MY  815.288
  POINTLOAD  "EXP"  "13"  F  -0.141582  MX  11.43214  MY  1303.47
  POINTLOAD  "EXP"  "44"  F  0.3079851  MX  7.508523  MY  1164.741
  POINTLOAD  "EXP"  "4"  F  12.69475  MX  71.17447  MY  842.3318
  POINTLOAD  "EXP"  "66"  F  -16.69804  MX  89.07657  MY  1117.343
  POINTLOAD  "EXP"  "52"  F  8.772011  MX  -4.252105E-14  MY  6.722053E-13
  POINTLOAD  "EXP"  "14"  F  14.8691  MX  143.8808  MY  1268.014
  POINTLOAD  "EXP"  "39"  F  0.3528095  MX  90.3761  MY  972.9361
  POINTLOAD  "EXP"  "68"  F  183.8687  MX  193.2908  MY  1719.355
  POINTLOAD  "EXP"  "40"  F  -155.2338  MX  227.4423  MY  1862.812
  POINTLOAD  "EXP"  "6"  F  145.8236  MX  80.12946  MY  781.1839
  POINTLOAD  "EXP"  "11"  F  126.4486  MX  404.7253  MY  2177.252
  POINTLOAD  "EXP"  "20"  F  -4.878631  MX  141.425  MY  985.6808
  POINTLOAD  "EXP"  "41"  F  146.6342  MX  172.4919  MY  1164.991
  POINTLOAD  "EXP"  "69"  F  30.54964  MX  148.9101  MY  1437.408
  POINTLOAD  "EXP"  "5"  F  -238.116  MX  137.1495  MY  1621.429
  POINTLOAD  "EXP"  "2"  F  246.7584  MX  -23.17053  MY  1623.236
  POINTLOAD  "EXP"  "43"  F  232.4064  MX  -33.12241  MY  2048.478
  POINTLOAD  "EXP"  "42"  F  -173.4709  MX  -31.59014  MY  1080.154
  POINTLOAD  "EXP"  "64"  F  280.6022  MX  -82.04544  MY  1775.021
  POINTLOAD  "EXP"  "67"  F  -223.2064  MX  179.377  MY  2116.68
  LOAD "EYP" TYPE  QUAKE  SELFWEIGHT  0  LTDFACTOR  1
  POINTLOAD  "EYP"  "1"  F  -99.29304  MX  -688.935  MY  1.305557
  POINTLOAD  "EYP"  "63"  F  102.8675  MX  -689.2626  MY  -62.65141
  POINTLOAD  "EYP"  "50"  F  -146.9247  MX  -1464.811  MY  -99.16776
  POINTLOAD  "EYP"  "12"  F  172.7411  MX  -1421.813  MY  -7.851047
  POINTLOAD  "EYP"  "3"  F  -149.0639  MX  -790.3445  MY  45.22251
  POINTLOAD  "EYP"  "65"  F  123.7532  MX  -932.8675  MY  -111.4351
  POINTLOAD  "EYP"  "51"  F  -117.1757  MX  -1126.605  MY  -64.53326
  POINTLOAD  "EYP"  "13"  F  150.5277  MX  -1603.272  MY  29.30567
  POINTLOAD  "EYP"  "44"  F  -7.953225  MX  -1033.079  MY  -70.29951
  POINTLOAD  "EYP"  "4"  F  -167.2709  MX  -885.2999  MY  12.33337
  POINTLOAD  "EYP"  "66"  F  138.853  MX  -1133.357  MY  -76.71368
  POINTLOAD  "EYP"  "52"  F  -133.4794  MX  -3.794708E-14  MY  -2.371692E-14
  POINTLOAD  "EYP"  "14"  F  168.967  MX  -1785.643  MY  6.083074
  POINTLOAD  "EYP"  "39"  F  -7.312384  MX  -1116.517  MY  -52.60225
  POINTLOAD  "EYP"  "68"  F  -16.56198  MX  -1582.908  MY  -166.7381
  POINTLOAD  "EYP"  "40"  F  15.38945  MX  -1848.413  MY  -98.41368
  POINTLOAD  "EYP"  "6"  F  -107.1302  MX  -928.7862  MY  54.73907
  POINTLOAD  "EYP"  "11"  F  34.37264  MX  -2727.409  MY  32.57394
  POINTLOAD  "EYP"  "20"  F  142.6514  MX  -1178.445  MY  -21.35165
  POINTLOAD  "EYP"  "41"  F  5.041033  MX  -1254.226  MY  -63.87109
  POINTLOAD  "EYP"  "69"  F  2.876411  MX  -1391.705  MY  -140.5867
  POINTLOAD  "EYP"  "5"  F  -100.8121  MX  -1433.115  MY  61.52866
  POINTLOAD  "EYP"  "2"  F  -72.74824  MX  -1115.888  MY  41.15507
  POINTLOAD  "EYP"  "43"  F  -14.66765  MX  -1078.244  MY  -123.296
  POINTLOAD  "EYP"  "42"  F  9.68987  MX  -868.3163  MY  -65.21654
  POINTLOAD  "EYP"  "64"  F  48.33065  MX  -1116.507  MY  -158.2009
  POINTLOAD  "EYP"  "67"  F  24.33247  MX  -1619.069  MY  -175.19
  LOAD "EXN" TYPE  QUAKE  SELFWEIGHT  0  LTDFACTOR  1
  POINTLOAD  "EXN"  "1"  F  -128.6954  MX  80.22813  MY  827.474
  POINTLOAD  "EXN"  "63"  F  -139.2062  MX  5.600046  MY  818.5088
  POINTLOAD  "EXN"  "50"  F  -168.6547  MX  124.5422  MY  1428.104
  POINTLOAD  "EXN"  "12"  F  -155.481  MX  82.65785  MY  1299.659
  POINTLOAD  "EXN"  "3"  F  7.965175  MX  36.67745  MY  886.0913
  POINTLOAD  "EXN"  "65"  F  -4.612672  MX  44.31323  MY  925.5522
  POINTLOAD  "EXN"  "51"  F  6.205093  MX  54.21342  MY  791.1023
  POINTLOAD  "EXN"  "13"  F  -6.085455  MX  75.06543  MY  1349.923
  POINTLOAD  "EXN"  "44"  F  0.6176091  MX  48.50991  MY  1142.638
  POINTLOAD  "EXN"  "4"  F  5.279558  MX  32.0849  MY  886.4041
  POINTLOAD  "EXN"  "66"  F  -10.33946  MX  39.12903  MY  1066.139
  POINTLOAD  "EXN"  "52"  F  2.961748  MX  -3.303428E-15  MY  -2.35814E-13
  POINTLOAD  "EXN"  "14"  F  -7.447965  MX  65.02569  MY  1313.574
  POINTLOAD  "EXN"  "39"  F  4.375781E-02  MX  41.06619  MY  958.6181
  POINTLOAD  "EXN"  "68"  F  175.4339  MX  61.71608  MY  1639.379
  POINTLOAD  "EXN"  "40"  F  -153.1469  MX  64.72571  MY  1835.774
  POINTLOAD  "EXN"  "6"  F  141.1552  MX  -16.37392  MY  824.8567
  POINTLOAD  "EXN"  "11"  F  135.3128  MX  131.2712  MY  2244.163
  POINTLOAD  "EXN"  "20"  F  9.431017  MX  22.32234  MY  996.0908
  POINTLOAD  "EXN"  "41"  F  145.8258  MX  46.41801  MY  1147.83
  POINTLOAD  "EXN"  "69"  F  30.23441  MX  9.641875  MY  1370.265
  POINTLOAD  "EXN"  "5"  F  -259.9033  MX  10.41651  MY  1705.505
  POINTLOAD  "EXN"  "2"  F  269.2955  MX  92.79866  MY  1707.959
  POINTLOAD  "EXN"  "43"  F  228.115  MX  80.92075  MY  2009.567
  POINTLOAD  "EXN"  "42"  F  -170.0351  MX  77.41883  MY  1059.663
  POINTLOAD  "EXN"  "64"  F  258.4197  MX  34.14501  MY  1688.753
  POINTLOAD  "EXN"  "67"  F  -212.6882  MX  64.26106  MY  2019.631
  LOAD "EYN" TYPE  QUAKE  SELFWEIGHT  0  LTDFACTOR  1
  POINTLOAD  "EYN"  "1"  F  -110.2519  MX  -864.5332  MY  -84.63528
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  POINTLOAD  "EYN"  "63"  F  112.1121  MX  -865.3743  MY  24.17549
  POINTLOAD  "EYN"  "50"  F  -200.6504  MX  -1823.349  MY  4.926421
  POINTLOAD  "EYN"  "12"  F  227.1817  MX  -1772.37  MY  -98.22262
  POINTLOAD  "EYN"  "3"  F  -160.669  MX  -851.4744  MY  -40.9538
  POINTLOAD  "EYN"  "65"  F  133.4301  MX  -1005.042  MY  -20.74902
  POINTLOAD  "EYN"  "51"  F  -126.192  MX  -1213.703  MY  -17.37108
  POINTLOAD  "EYN"  "13"  F  162.1182  MX  -1727.357  MY  -61.2778
  POINTLOAD  "EYN"  "44"  F  -8.556991  MX  -1113.032  MY  -27.19798
  POINTLOAD  "EYN"  "4"  F  -152.8113  MX  -809.0752  MY  -73.60773
  POINTLOAD  "EYN"  "66"  F  126.4538  MX  -1035.96  MY  23.13371
  POINTLOAD  "EYN"  "52"  F  -122.1494  MX  -5.122855E-13  MY  4.065758E-15
  POINTLOAD  "EYN"  "14"  F  154.4958  MX  -1631.875  MY  -82.76052
  POINTLOAD  "EYN"  "39"  F  -6.709733  MX  -1020.362  MY  -24.68216
  POINTLOAD  "EYN"  "68"  F  -0.1140307  MX  -1326.337  MY  -10.78395
  POINTLOAD  "EYN"  "40"  F  11.31991  MX  -1531.116  MY  -45.69087
  POINTLOAD  "EYN"  "6"  F  -98.02683  MX  -740.6046  MY  -30.42287
  POINTLOAD  "EYN"  "11"  F  17.08735  MX  -2194.174  MY  -97.90228
  POINTLOAD  "EYN"  "20"  F  114.7476  MX  -946.1951  MY  -41.65138
  POINTLOAD  "EYN"  "41"  F  6.617398  MX  -1008.382  MY  -30.4062
  POINTLOAD  "EYN"  "69"  F  3.491119  MX  -1120.132  MY  -9.65783
  POINTLOAD  "EYN"  "5"  F  -58.32676  MX  -1185.985  MY  -102.419
  POINTLOAD  "EYN"  "2"  F  -116.6957  MX  -1342.028  MY  -124.0536
  POINTLOAD  "EYN"  "43"  F  -6.299532  MX  -1300.628  MY  -47.41942
  POINTLOAD  "EYN"  "42"  F  2.990061  MX  -1080.884  MY  -25.258
  POINTLOAD  "EYN"  "64"  F  91.58653  MX  -1343.078  MY  10.02068
  POINTLOAD  "EYN"  "67"  F  3.821967  MX  -1394.593  MY  14.05564
  LOAD "WX"  TYPE  WIND  SELFWEIGHT  0  LTDFACTOR  1
  POINTLOAD  "WX"  "1"  F  -443.9678  MX  -585.33  MY  1661.188
  POINTLOAD  "WX"  "63"  F  -360.0911  MX  -47.0164  MY  1772.774
  POINTLOAD  "WX"  "50"  F  -1029.595  MX  -98.95203  MY  2874.813
  POINTLOAD  "WX"  "12"  F  -1201.397  MX  -1151.948  MY  3100.212
  POINTLOAD  "WX"  "3"  F  -765.3658  MX  -1157.111  MY  5430.382
  POINTLOAD  "WX"  "65"  F  -903.3076  MX  415.4924  MY  7172.085
  POINTLOAD  "WX"  "51"  F  -1663.315  MX  162.0242  MY  2798.401
  POINTLOAD  "WX"  "13"  F  -2600.956  MX  -1949.857  MY  5825.363
  POINTLOAD  "WX"  "44"  F  -2127.115  MX  -121.1154  MY  2121.187
  POINTLOAD  "WX"  "4"  F  -774.5253  MX  -1330.116  MY  -3293.41
  POINTLOAD  "WX"  "66"  F  -874.4637  MX  521.8772  MY  -6483.915
  POINTLOAD  "WX"  "52"  F  -1562.043  MX  2.805373E-13  MY  -1.702197E-12
  POINTLOAD  "WX"  "14"  F  -2557.919  MX  -1827.14  MY  -2295.448
  POINTLOAD  "WX"  "39"  F  -2150.225  MX  30.6829  MY  1690.656
  POINTLOAD  "WX"  "68"  F  -148.0009  MX  28.64448  MY  3315.094
  POINTLOAD  "WX"  "40"  F  -1513.593  MX  -270.6947  MY  3270.57
  POINTLOAD  "WX"  "6"  F  66.86439  MX  -422.1533  MY  1262.187
  POINTLOAD  "WX"  "11"  F  -520.5782  MX  -944.2209  MY  3864.837
  POINTLOAD  "WX"  "20"  F  -315.9913  MX  28.52505  MY  1815.662
  POINTLOAD  "WX"  "41"  F  -134.6634  MX  -99.74967  MY  2124.533
  POINTLOAD  "WX"  "69"  F  -221.7933  MX  128.0259  MY  1873.9
  POINTLOAD  "WX"  "5"  F  -910.6347  MX  -427.8618  MY  1629.592
  POINTLOAD  "WX"  "2"  F  -0.2328032  MX  -652.4201  MY  4526.542
  POINTLOAD  "WX"  "43"  F  -445.784  MX  -344.6636  MY  5150.696
  POINTLOAD  "WX"  "42"  F  -908.6929  MX  -278.6069  MY  1943.953
  POINTLOAD  "WX"  "64"  F  116.0882  MX  -221.2151  MY  4564.342
  POINTLOAD  "WX"  "67"  F  -853.9017  MX  36.87108  MY  4354.88
  LOAD "WY"  TYPE  WIND  SELFWEIGHT  0  LTDFACTOR  1
  POINTLOAD  "WY"  "1"  F  -387.56  MX  -2969.145  MY  -237.0893
  POINTLOAD  "WY"  "63"  F  395.5791  MX  -2971.766  MY  19.18548
  POINTLOAD  "WY"  "50"  F  -679.0028  MX  -6271.296  MY  -63.4279
  POINTLOAD  "WY"  "12"  F  773.7644  MX  -6094.364  MY  -282.4513
  POINTLOAD  "WY"  "3"  F  -568.1893  MX  -3011.441  MY  -79.97177
  POINTLOAD  "WY"  "65"  F  471.831  MX  -3554.553  MY  -145.222
  POINTLOAD  "WY"  "51"  F  -446.3417  MX  -4292.576  MY  -99.16527
  POINTLOAD  "WY"  "13"  F  573.4071  MX  -6109.149  MY  -149.5548
  POINTLOAD  "WY"  "44"  F  -30.27206  MX  -3936.465  MY  -131.3056
  POINTLOAD  "WY"  "4"  F  -560.2728  MX  -2966.163  MY  -197.4705
  POINTLOAD  "WY"  "66"  F  463.9725  MX  -3797.79  MY  5.29503
  POINTLOAD  "WY"  "52"  F  -447.6748  MX  -2.331035E-13  MY  7.657178E-14
  POINTLOAD  "WY"  "14"  F  566.3338  MX  -5982.661  MY  -228.0915
  POINTLOAD  "WY"  "39"  F  -24.57567  MX  -3740.784  MY  -110.4352
  POINTLOAD  "WY"  "68"  F  -13.22858  MX  -4965.077  MY  -160.2881
  POINTLOAD  "WY"  "40"  F  43.84057  MX  -5748.112  MY  -205.2432
  POINTLOAD  "WY"  "6"  F  -359.2748  MX  -2807.424  MY  -42.928
  POINTLOAD  "WY"  "11"  F  74.86102  MX  -8298.568  MY  -250.0443
  POINTLOAD  "WY"  "20"  F  433.9995  MX  -3580.392  MY  -133.8196
  POINTLOAD  "WY"  "41"  F  22.5457  MX  -3814.403  MY  -135.3213
  POINTLOAD  "WY"  "69"  F  12.06343  MX  -4235.939  MY  -136.7385
  POINTLOAD  "WY"  "5"  F  -242.6614  MX  -4453.48  MY  -240.1852
  POINTLOAD  "WY"  "2"  F  -385.0003  MX  -4645.244  MY  -316.9287
  POINTLOAD  "WY"  "43"  F  -29.15405  MX  -4499.436  MY  -229.4986
  POINTLOAD  "WY"  "42"  F  15.96393  MX  -3717.612  MY  -121.8863
  POINTLOAD  "WY"  "64"  F  295.33  MX  -4648.682  MY  -95.10425
  POINTLOAD  "WY"  "67"  F  29.71623  MX  -5185.287  MY  -96.99321
  LOAD "WAH"  TYPE  OTHER  SELFWEIGHT  0  LTDFACTOR  1
  LOAD "WAN"  TYPE  OTHER  SELFWEIGHT  0  LTDFACTOR  1
$ LOADING COMBINATIONS
  COMBO "BASE01"
  COMBOFACTOR "BASE01"  "DL"  1
  COMBOFACTOR "BASE01"  "SDL"  1
  COMBOFACTOR "BASE01"  "WAH"  1
  COMBO "BASE02"
  COMBOFACTOR "BASE02"  "DL"  1
  COMBOFACTOR "BASE02"  "SDL"  1
  COMBOFACTOR "BASE02"  "WAN"  1
  COMBO "BASE03"
  COMBOFACTOR "BASE03"  "DL"  1
  COMBOFACTOR "BASE03"  "SDL"  1
  COMBOFACTOR "BASE03"  "LL"  1
  COMBOFACTOR "BASE03"  "WAH"  1
  COMBO "BASE04"
  COMBOFACTOR "BASE04"  "DL"  1
  COMBOFACTOR "BASE04"  "SDL"  1
  COMBOFACTOR "BASE04"  "LL"  1
  COMBOFACTOR "BASE04"  "WAN"  1
  COMBO "BASE05"
  COMBOFACTOR "BASE05"  "DL"  1
  COMBOFACTOR "BASE05"  "SDL"  1
  COMBOFACTOR "BASE05"  "LL"  1
  COMBOFACTOR "BASE05"  "EXP"  1
  COMBOFACTOR "BASE05"  "WAH"  1
  COMBO "BASE06"
  COMBOFACTOR "BASE06"  "DL"  1
  COMBOFACTOR "BASE06"  "SDL"  1
  COMBOFACTOR "BASE06"  "LL"  1
  COMBOFACTOR "BASE06"  "EXP"  1
  COMBOFACTOR "BASE06"  "WAN"  1
  COMBO "BASE07"
  COMBOFACTOR "BASE07"  "DL"  1
  COMBOFACTOR "BASE07"  "SDL"  1
  COMBOFACTOR "BASE07"  "LL"  1
  COMBOFACTOR "BASE07"  "EYP"  1
  COMBOFACTOR "BASE07"  "WAH"  1
  COMBO "BASE08"
  COMBOFACTOR "BASE08"  "DL"  1
  COMBOFACTOR "BASE08"  "SDL"  1
  COMBOFACTOR "BASE08"  "LL"  1
  COMBOFACTOR "BASE08"  "EYP"  1
  COMBOFACTOR "BASE08"  "WAN"  1
  COMBO "BASE09"
  COMBOFACTOR "BASE09"  "DL"  1
  COMBOFACTOR "BASE09"  "SDL"  1
  COMBOFACTOR "BASE09"  "LL"  1
  COMBOFACTOR "BASE09"  "EXN"  1
  COMBOFACTOR "BASE09"  "WAH"  1
  COMBO "BASE10"
  COMBOFACTOR "BASE10"  "DL"  1
  COMBOFACTOR "BASE10"  "SDL"  1
  COMBOFACTOR "BASE10"  "LL"  1
  COMBOFACTOR "BASE10"  "EXN"  1
  COMBOFACTOR "BASE10"  "WAN"  1
  COMBO "BASE11"
  COMBOFACTOR "BASE11"  "DL"  1
  COMBOFACTOR "BASE11"  "SDL"  1
  COMBOFACTOR "BASE11"  "LL"  1
  COMBOFACTOR "BASE11"  "EYN"  1
  COMBOFACTOR "BASE11"  "WAH"  1
  COMBO "BASE12"
  COMBOFACTOR "BASE12"  "DL"  1
  COMBOFACTOR "BASE12"  "SDL"  1
  COMBOFACTOR "BASE12"  "LL"  1
  COMBOFACTOR "BASE12"  "EYN"  1
  COMBOFACTOR "BASE12"  "WAN"  1
  COMBO "BASE13"
  COMBOFACTOR "BASE13"  "DL"  1
  COMBOFACTOR "BASE13"  "SDL"  1
  COMBOFACTOR "BASE13"  "LL"  1
  COMBOFACTOR "BASE13"  "EXP"  -1
  COMBOFACTOR "BASE13"  "WAH"  1
  COMBO "BASE14"
  COMBOFACTOR "BASE14"  "DL"  1
  COMBOFACTOR "BASE14"  "SDL"  1
  COMBOFACTOR "BASE14"  "LL"  1
  COMBOFACTOR "BASE14"  "EXP"  -1
  COMBOFACTOR "BASE14"  "WAN"  1
  COMBO "BASE15"
  COMBOFACTOR "BASE15"  "DL"  1
  COMBOFACTOR "BASE15"  "SDL"  1
  COMBOFACTOR "BASE15"  "LL"  1
  COMBOFACTOR "BASE15"  "EYP"  -1
  COMBOFACTOR "BASE15"  "WAH"  1
  COMBO "BASE16"
  COMBOFACTOR "BASE16"  "DL"  1
  COMBOFACTOR "BASE16"  "SDL"  1
  COMBOFACTOR "BASE16"  "LL"  1
  COMBOFACTOR "BASE16"  "EYP"  -1
  COMBOFACTOR "BASE16"  "WAN"  1
  COMBO "BASE17"
  COMBOFACTOR "BASE17"  "DL"  1
  COMBOFACTOR "BASE17"  "SDL"  1
  COMBOFACTOR "BASE17"  "LL"  1
  COMBOFACTOR "BASE17"  "EXN"  -1
  COMBOFACTOR "BASE17"  "WAH"  1
  COMBO "BASE18"
  COMBOFACTOR "BASE18"  "DL"  1
  COMBOFACTOR "BASE18"  "SDL"  1
  COMBOFACTOR "BASE18"  "LL"  1
  COMBOFACTOR "BASE18"  "EXN"  -1
  COMBOFACTOR "BASE18"  "WAN"  1
  COMBO "BASE19"
  COMBOFACTOR "BASE19"  "DL"  1
  COMBOFACTOR "BASE19"  "SDL"  1
  COMBOFACTOR "BASE19"  "LL"  1
  COMBOFACTOR "BASE19"  "EYN"  -1
  COMBOFACTOR "BASE19"  "WAH"  1
  COMBO "BASE20"
  COMBOFACTOR "BASE20"  "DL"  1
  COMBOFACTOR "BASE20"  "SDL"  1
  COMBOFACTOR "BASE20"  "LL"  1
  COMBOFACTOR "BASE20"  "EYN"  -1
  COMBOFACTOR "BASE20"  "WAN"  1
  COMBO "BASE21"  TYPE  DESIGN
  COMBOFACTOR "BASE21"  "DL"  1.4
  COMBOFACTOR "BASE21"  "SDL"  1.4
  COMBOFACTOR "BASE21"  "WAH"  1.4
  COMBO "BASE22"  TYPE  DESIGN
  COMBOFACTOR "BASE22"  "DL"  1.4
  COMBOFACTOR "BASE22"  "SDL"  1.4
  COMBOFACTOR "BASE22"  "WAN"  1.4
  COMBO "BASE23"  TYPE  DESIGN
  COMBOFACTOR "BASE23"  "DL"  1.2
  COMBOFACTOR "BASE23"  "SDL"  1.2
  COMBOFACTOR "BASE23"  "LL"  1.6
  COMBOFACTOR "BASE23"  "WAH"  1.2
  COMBO "BASE24"  TYPE  DESIGN
  COMBOFACTOR "BASE24"  "DL"  1.2
  COMBOFACTOR "BASE24"  "SDL"  1.2
  COMBOFACTOR "BASE24"  "LL"  1.6
  COMBOFACTOR "BASE24"  "WAN"  1.2
  COMBO "BASE25"  TYPE  DESIGN
  COMBOFACTOR "BASE25"  "DL"  1.2
  COMBOFACTOR "BASE25"  "SDL"  1.2
  COMBOFACTOR "BASE25"  "LL"  1
  COMBOFACTOR "BASE25"  "EXP"  1.4
  COMBO "BASE26"  TYPE  DESIGN
  COMBOFACTOR "BASE26"  "DL"  1.2
  COMBOFACTOR "BASE26"  "SDL"  1.2
  COMBOFACTOR "BASE26"  "LL"  1
  COMBOFACTOR "BASE26"  "EYP"  1.4
  COMBO "BASE27"  TYPE  DESIGN
  COMBOFACTOR "BASE27"  "DL"  1.2
  COMBOFACTOR "BASE27"  "SDL"  1.2
  COMBOFACTOR "BASE27"  "LL"  1
  COMBOFACTOR "BASE27"  "EXN"  1.4
  COMBO "BASE28"  TYPE  DESIGN
  COMBOFACTOR "BASE28"  "DL"  1.2
  COMBOFACTOR "BASE28"  "SDL"  1.2
  COMBOFACTOR "BASE28"  "LL"  1
  COMBOFACTOR "BASE28"  "EYN"  1.4
  COMBO "BASE29"  TYPE  DESIGN
  COMBOFACTOR "BASE29"  "DL"  1.2
  COMBOFACTOR "BASE29"  "SDL"  1.2
  COMBOFACTOR "BASE29"  "LL"  1
  COMBOFACTOR "BASE29"  "EXP"  -1.4
  COMBO "BASE30"  TYPE  DESIGN
  COMBOFACTOR "BASE30"  "DL"  1.2
  COMBOFACTOR "BASE30"  "SDL"  1.2
  COMBOFACTOR "BASE30"  "LL"  1
  COMBOFACTOR "BASE30"  "EYP"  -1.4
  COMBO "BASE31"  TYPE  DESIGN
  COMBOFACTOR "BASE31"  "DL"  1.2
  COMBOFACTOR "BASE31"  "SDL"  1.2
  COMBOFACTOR "BASE31"  "LL"  1
  COMBOFACTOR "BASE31"  "EXN"  -1.4
  COMBO "BASE32"  TYPE  DESIGN
  COMBOFACTOR "BASE32"  "DL"  1.2
  COMBOFACTOR "BASE32"  "SDL"  1.2
  COMBOFACTOR "BASE32"  "LL"  1
  COMBOFACTOR "BASE32"  "EYN"  -1.4
  COMBO "BASE33"  TYPE  DESIGN
  COMBOFACTOR "BASE33"  "DL"  0.9
  COMBOFACTOR "BASE33"  "SDL"  0.9
  COMBOFACTOR "BASE33"  "EXP"  1.4
  COMBO "BASE34"  TYPE  DESIGN
  COMBOFACTOR "BASE34"  "DL"  0.9
  COMBOFACTOR "BASE34"  "SDL"  0.9
  COMBOFACTOR "BASE34"  "EYP"  1.4
  COMBO "BASE35"  TYPE  DESIGN
  COMBOFACTOR "BASE35"  "DL"  0.9
  COMBOFACTOR "BASE35"  "SDL"  0.9
  COMBOFACTOR "BASE35"  "EXN"  1.4
  COMBO "BASE36"  TYPE  DESIGN
  COMBOFACTOR "BASE36"  "DL"  0.9
  COMBOFACTOR "BASE36"  "SDL"  0.9
  COMBOFACTOR "BASE36"  "EYN"  1.4
  COMBO "BASE37"  TYPE  DESIGN
  COMBOFACTOR "BASE37"  "DL"  0.9
  COMBOFACTOR "BASE37"  "SDL"  0.9
  COMBOFACTOR "BASE37"  "EXP"  -1.4
  COMBO "BASE38"  TYPE  DESIGN
  COMBOFACTOR "BASE38"  "DL"  0.9
  COMBOFACTOR "BASE38"  "SDL"  0.9
  COMBOFACTOR "BASE38"  "EYP"  -1.4
  COMBO "BASE39"  TYPE  DESIGN
  COMBOFACTOR "BASE39"  "DL"  0.9
  COMBOFACTOR "BASE39"  "SDL"  0.9
  COMBOFACTOR "BASE39"  "EXN"  -1.4
  COMBO "BASE40"  TYPE  DESIGN
  COMBOFACTOR "BASE40"  "DL"  0.9
  COMBOFACTOR "BASE40"  "SDL"  0.9
  COMBOFACTOR "BASE40"  "EYN"  -1.4
$ STRIP DEFINITIONS
  XSTRIP  "7"  0  0  362.5  0  362.5  417.5  0  417.5
  XSTRIP  "8"  362.5  0  807.5  0  807.5  390  362.5  390
  XSTRIP  "9"  807.5  0  1170  0  1170  390  807.5  390
  XSTRIP  "10"  0  417.5  362.5  417.5  362.5  600  0  600
  XSTRIP  "11"  362.5  390  807.5  390  807.5  600  362.5  600
  XSTRIP  "12"  807.5  390  1170  390  1170  600  807.5  600
  YSTRIP  "13"  0  0  362.5  0  362.5  417.5  0  417.5
  YSTRIP  "14"  362.5  0  807.5  0  807.5  390  362.5  390
  YSTRIP  "15"  807.5  0  1170  0  1170  390  807.5  390
  YSTRIP  "16"  0  417.5  362.5  417.5  362.5  600  0  600
  YSTRIP  "17"  362.5  390  807.5  390  807.5  600  362.5  600
  YSTRIP  "18"  807.5  390  1170  390  1170  600  807.5  600
$ GROUPS
  END
$ END OF MODEL FILE
```

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X - S T R I P R E I N F O R C I N G (for whole strip in Sq-cm)

X-STRIP ID	STRIP WIDTH	STATION X-ORDINATE	TOP-REBAR LEFT OF X	TOP-REBAR RIGHT OF X	BOT-REBAR LEFT OF X	BOT-REBAR RIGHT OF X
10	182.500	0.000		6.599		6.599
10	182.500	60.000	13.198	13.198		0.000
10	182.500	120.000	13.198	13.198		0.000
10	182.500	200.833	13.198	13.198		
10	182.500	281.667	13.198	13.198		
10	182.500	362.500	13.198		0.000	
12	210.000	807.500		15.186		0.000
12	210.000	808.000	15.186	15.186	0.000	0.000
12	210.000	868.750	15.186	15.186		0.000
12	210.000	929.500	15.186	15.186		
12	210.000	989.500	15.186	15.186		
12	210.000	1049.500	15.186	15.186		
12	210.000	1050.000	15.186	15.186		
12	210.000	1110.000	15.186	15.186		
12	210.000	1170.000	7.593		7.593	
11	210.000	362.500		15.186		0.000
11	210.000	451.500	15.186	15.186	0.000	
11	210.000	540.500	15.186	15.186		
11	210.000	629.500	15.186	15.186		
11	210.000	718.500	15.186	15.186	0.000	
11	210.000	807.500	15.186		0.000	
7	417.500	0.000		15.096		15.096
7	417.500	60.000	30.192	30.192	0.000	0.000
7	417.500	120.000	30.192	30.192	0.000	0.000
7	417.500	200.833	30.192	30.192		
7	417.500	281.667	30.192	30.192		0.000
7	417.500	362.500	30.192		0.000	
9	390.000	807.500		28.203		0.000
9	390.000	808.000	28.203	28.203	0.000	0.000
9	390.000	868.750	28.203	28.203	0.000	
9	390.000	929.500	28.203	28.203		
9	390.000	989.500	28.203	28.203		
9	390.000	1049.500	28.203	28.203	0.000	
9	390.000	1050.000	28.203	28.203		
9	390.000	1110.000	28.203	28.203	0.000	0.000
9	390.000	1170.000	14.102		14.102	
8	390.000	362.500		28.203		0.000
8	390.000	451.500	28.203	28.203	0.000	
8	390.000	540.500	28.203	28.203		
8	390.000	629.500	28.203	28.203		
8	390.000	718.500	28.203	28.203		0.000
8	390.000	807.500	28.203		0.000	

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Y - S T R I P R E I N F O R C I N G (for whole strip in Sq-cm)

Y-STRIP ID	STRIP WIDTH	STATION Y-ORDINATE	TOP-REBAR LEFT OF Y	TOP-REBAR RIGHT OF Y	BOT-REBAR LEFT OF Y	BOT-REBAR RIGHT OF Y
13	362.500	0.000		0.000		26.214
13	362.500	55.000	26.214	26.214		0.000
13	362.500	110.000	26.214	26.214		
13	362.500	120.000	26.214	26.214		0.000
13	362.500	220.000	26.214	26.214		
13	362.500	305.000	26.214	26.214		
13	362.500	390.000	26.214	26.214		
13	362.500	417.500	26.214			
16	362.500	417.500		26.214		
16	362.500	490.000	26.214	26.214	0.000	
16	362.500	545.000	26.214	26.214	0.000	
16	362.500	600.000	13.107		13.107	
14	445.000	0.000		16.090		16.090
14	445.000	55.000	32.181	32.181		
14	445.000	110.000	32.181	32.181		
14	445.000	120.000	32.181	32.181		
14	445.000	220.000	32.181	32.181		
14	445.000	305.000	32.181	32.181		
14	445.000	390.000	32.181			
17	445.000	390.000		32.181		
17	445.000	417.500	32.181	32.181		
17	445.000	490.000	32.181	32.181		
17	445.000	545.000	32.181	32.181		
17	445.000	600.000	16.090		16.090	
15	362.500	0.000		0.000		26.214
15	362.500	55.000	26.214	26.214	0.000	0.000
15	362.500	110.000	26.214	26.214	0.000	0.000
15	362.500	120.000	26.214	26.214	0.000	0.000
15	362.500	220.000	26.214	26.214	0.000	0.000
15	362.500	305.000	26.214	26.214	0.000	0.000
15	362.500	390.000	26.214		0.000	
18	362.500	390.000		26.214		0.000
18	362.500	417.500	26.214	26.214	0.000	0.000
18	362.500	490.000	26.214	26.214	0.000	0.000
18	362.500	545.000	26.214	26.214	0.000	0.000
18	362.500	600.000	0.000		26.214	

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B E A M R E I N F O R C I N G (flexural in Sq-cm and shear in Sq-cm/meter)

LINE ID	STATION(S) X-ORDINATE	STATION(S) Y-ORDINATE	TOP-REBAR LEFT OF S	TOP-REBAR RIGHT OF S	BOT-REBAR LEFT OF S	BOT-REBAR RIGHT OF S	SHEAR-REBAR LEFT OF S	SHEAR-REBAR RIGHT OF S
B1	0.000	0.000		0.099		0.000		0.000
B1	60.000	0.000	0.195	0.261	0.000	0.000	0.000	0.000
B1	120.000	0.000	0.338	0.397	0.000	0.000	0.000	0.000
B1	200.833	0.000	0.434	0.440	0.000	0.000	0.000	0.000
B1	281.667	0.000	0.374	0.374	0.000	0.000	0.000	0.000
B1	362.500	0.000	0.280		0.000		0.000	
B3	362.500	0.000		0.276		0.000		0.000
B3	451.500	0.000	0.377	0.371	0.000	0.000	0.000	0.000
B3	540.500	0.000	0.453	0.467	0.000	0.000	0.000	0.000
B3	629.500	0.000	0.468	0.451	0.000	0.000	0.000	0.000
B3	718.500	0.000	0.370	0.376	0.000	0.000	0.000	0.000
B3	807.500	0.000	0.277		0.000		0.000	
B5	807.500	0.000		0.351		0.000		0.000
B5	808.000	0.000	0.351	0.311	0.000	0.000	0.000	0.000
B5	868.750	0.000	0.349	0.361	0.000	0.000	0.000	0.000
B5	929.500	0.000	0.412	0.434	0.000	0.000	0.000	0.000
B5	989.500	0.000	0.442	0.444	0.000	0.000	0.000	0.000
B5	1049.500	0.000	0.393	0.371	0.000	0.000	0.000	0.000
B5	1050.000	0.000	0.371	0.337	0.000	0.000	0.000	0.000
B5	1110.000	0.000	0.238	0.195	0.000	0.000	0.000	0.000
B5	1170.000	0.000			0.000		0.000	
B16	807.500	0.000		0.083		0.000		0.000
B16	807.500	55.000	0.194	0.310	0.000	0.000	0.000	0.000
B16	807.500	110.000	0.373	0.451	0.000	0.000	0.000	0.000
B16	807.500	120.000	0.452	0.487	0.000	0.000	0.000	0.000
B16	807.500	220.000	0.692	0.721	0.000	0.000	0.000	0.000
B16	807.500	305.000	0.692	0.651	0.000	0.000	0.000	0.000
B16	807.500	390.000	0.469		0.000		0.000	
B17	1170.000	0.000		0.074		0.000		0.000
B17	1170.000	55.000	0.215	0.276	0.000	0.000	0.000	0.000
B17	1170.000	110.000	0.416	0.507	0.000	0.000	0.000	0.000
B17	1170.000	120.000	0.528	0.518	0.000	0.000	0.000	0.000
B17	1170.000	220.000	0.675	0.678	0.000	0.000	0.000	0.000
B17	1170.000	305.000	0.606	0.576	0.000	0.000	0.000	0.000
B17	1170.000	390.000	0.439		0.000		0.000	
B19	0.000	0.000		0.112		0.000		0.000
B19	0.000	55.000	0.204	0.281	0.000	0.000	0.000	0.000
B19	0.000	110.000	0.376	0.428	0.000	0.000	0.000	0.000
B19	0.000	120.000	0.441	0.475	0.000	0.000	0.000	0.000
B19	0.000	220.000	0.598	0.620	0.000	0.000	0.000	0.000
B19	0.000	305.000	0.607	0.584	0.000	0.000	0.000	0.000
B19	0.000	390.000	0.458	0.463	0.000	0.000	0.000	0.000
B19	0.000	417.500	0.425		0.000		0.000	
B20	362.500	0.000		0.077		0.000		0.000
B20	362.500	55.000	0.187	0.305	0.000	0.000	0.000	0.000
B20	362.500	110.000	0.373	0.451	0.000	0.000	0.000	0.000
B20	362.500	120.000	0.453	0.496	0.000	0.000	0.000	0.000
B20	362.500	220.000	0.706	0.737	0.000	0.000	0.000	0.000
B20	362.500	305.000	0.723	0.675	0.000	0.000	0.000	0.000
B20	362.500	390.000	0.508	0.507	0.000	0.000	0.000	0.000
B20	362.500	417.500	0.447		0.000		0.000	
B34	362.500	390.000		0.173		0.000		0.000
B34	451.500	390.000	0.335	0.403	0.000	0.000	0.000	0.000
B34	540.500	390.000	0.501	0.529	0.000	0.000	0.000	0.000
B34	629.500	390.000	0.524	0.496	0.000	0.000	0.000	0.000
B34	718.500	390.000	0.395	0.337	0.000	0.000	0.000	0.000
B34	807.500	390.000	0.160		0.000		0.000	
B38	807.500	390.000		0.185		0.000		0.000
B38	808.000	390.000	0.186	0.183	0.000	0.000	0.000	0.000
B38	868.750	390.000	0.283	0.342	0.000	0.000	0.000	0.000
B38	929.500	390.000	0.418	0.462	0.000	0.000	0.000	0.000
B38	989.500	390.000	0.469	0.473	0.000	0.000	0.000	0.000
B38	1049.500	390.000	0.394	0.375	0.000	0.000	0.000	0.000
B38	1050.000	390.000	0.375	0.329	0.000	0.000	0.000	0.000
B38	1110.000	390.000	0.256	0.178	0.000	0.000	0.000	0.000
B38	1170.000	390.000			0.000		0.000	
B42	0.000	417.500		0.000		0.000		0.000
B42	60.000	417.500	0.218	0.305	0.000	0.000	0.000	0.000
B42	120.000	417.500	0.420	0.472	0.000	0.000	0.000	0.000
B42	200.833	417.500	0.539	0.521	0.000	0.000	0.000	0.000
B42	281.667	417.500	0.438	0.363	0.000	0.000	0.000	0.000
B42	362.500	417.500	0.175		0.000		0.000	
B49	807.500	390.000		0.472		0.000		0.000
B49	807.500	417.500	0.464	0.425	0.000	0.000	0.000	0.000
B49	807.500	490.000	0.357	0.306	0.000	0.000	0.000	0.000
B49	807.500	545.000	0.253	0.178	0.000	0.000	0.000	0.000
B49	807.500	600.000			0.000		0.000	
B52	1170.000	390.000		0.425		0.000		0.000
B52	1170.000	417.500	0.409	0.363	0.000	0.000	0.000	0.000
B52	1170.000	490.000	0.326	0.286	0.000	0.000	0.000	0.000
B52	1170.000	545.000	0.228	0.168	0.000	0.000	0.000	0.000
B52	1170.000	600.000	0.099		0.000		0.000	
B53	0.000	417.500		0.342		0.000		0.000
B53	0.000	490.000	0.285	0.232	0.000	0.000	0.000	0.000
B53	0.000	545.000	0.185	0.139	0.000	0.000	0.000	0.000
B53	0.000	600.000	0.079		0.000		0.000	
B54	362.500	417.500		0.381		0.000		0.000
B54	362.500	490.000	0.320	0.268	0.000	0.000	0.000	0.000
B54	362.500	545.000	0.229	0.154	0.000	0.000	0.000	0.000
B54	362.500	600.000			0.000		0.000	
B61	0.000	600.000		0.071		0.000		0.000
B61	60.000	600.000	0.196	0.252	0.000	0.000	0.000	0.000
B61	120.000	600.000	0.361	0.411	0.000	0.000	0.000	0.000
B61	200.833	600.000	0.433	0.436	0.000	0.000	0.000	0.000
B61	281.667	600.000	0.367	0.366	0.000	0.000	0.000	0.000
B61	362.500	600.000	0.254		0.000		0.000	
B63	362.500	600.000		0.264		0.000		0.000
B63	451.500	600.000	0.385	0.389	0.000	0.000	0.000	0.000
B63	540.500	600.000	0.469	0.485	0.000	0.000	0.000	0.000
B63	629.500	600.000	0.480	0.466	0.000	0.000	0.000	0.000
B63	718.500	600.000	0.382	0.382	0.000	0.000	0.000	0.000
B63	807.500	600.000	0.252		0.000		0.000	
B66	807.500	600.000		0.291		0.000		0.000
B66	808.000	600.000	0.291	0.256	0.000	0.000	0.000	0.000
B66	868.750	600.000	0.314	0.323	0.000	0.000	0.000	0.000
B66	929.500	600.000	0.364	0.358	0.000	0.000	0.000	0.000
B66	989.500	600.000	0.344	0.331	0.000	0.000	0.000	0.000
B66	1049.500	600.000	0.277	0.275	0.000	0.000	0.000	0.000
B66	1050.000	600.000	0.275	0.235	0.000	0.000	0.000	0.000
B66	1110.000	600.000	0.194	0.141	0.000	0.000	0.000	0.000
B66	1170.000	600.000	0.076		0.000		0.000	

Lo-Lat Structure Studio

X - S T R I P D E S I G N M O M E N T S

X-STRIP ID	STRIP WIDTH	STATION X-ORDINATE	TOP-MOMEMT LEFT OF X	TOP-MOMEMT RIGHT OF X	BOT-MOMEMT LEFT OF X	BOT-MOMEMT RIGHT OF X
10	182.500	0.000		-1714.380		14490.016
				BASE31		BASE32
10	182.500	60.000	-70598.933	-54300.329		474.410
			BASE29	BASE29		BASE33
10	182.500	120.000	-97033.379	-90005.387		2453.001
			BASE29	BASE29		BASE33
10	182.500	200.833	-103710.547	-106952.094		
			BASE29	BASE29		
10	182.500	281.667	-82384.598	-89899.887		
			BASE29	BASE29		
10	182.500	362.500	-32781.417		9145.165	
			BASE21		BASE25	
12	210.000	807.500		-34749.306		2425.975
				BASE33		BASE29
12	210.000	808.000	-35039.075	-35093.559	2521.966	5620.588
			BASE33	BASE21	BASE29	BASE29
12	210.000	868.750	-88300.241	-81126.627		223.825
			BASE25	BASE25		BASE29
12	210.000	929.500	-110096.419	-102890.145		
			BASE25	BASE25		
12	210.000	989.500	-106963.985	-105780.227		
			BASE27	BASE25		
12	210.000	1049.500	-87577.432	-88567.559		
			BASE21	BASE21		
12	210.000	1050.000	-88379.426	-92145.475		
			BASE21	BASE21		
12	210.000	1110.000	-58137.394	-66837.103		
			BASE21	BASE21		
12	210.000	1170.000	-3916.703		10145.583	
			BASE27		BASE21	
11	210.000	362.500		-49085.587		11797.403
				BASE21		BASE32
11	210.000	451.500	-113330.117	-100030.293		4762.718
			BASE21	BASE21		BASE37
11	210.000	540.500	-130506.841	-125607.305		
			BASE23	BASE23		
11	210.000	629.500	-124514.745	-129709.543		
			BASE23	BASE23		
11	210.000	718.500	-98037.134	-104800.899		724.779
			BASE21	BASE21		BASE39
11	210.000	807.500	-36771.696		6915.342	
			BASE33		BASE31	
7	417.500	0.000		-10301.749		36206.087

			BASE28		BASE28					
7	417.500	60.000	-180134.476	-163276.357	1106.520	4592.923				
			BASE31	BASE31	BASE33	BASE33				
7	417.500	120.000	-270309.138	-261189.589	1446.233	3849.529				
			BASE31	BASE31	BASE33	BASE35				
7	417.500	200.833	-295778.454	-293547.105						
			BASE31	BASE31						
7	417.500	281.667	-226198.883	-232010.102		2752.762				
			BASE31	BASE29		BASE37				
7	417.500	362.500	-85824.896		20217.120					
			BASE21		BASE23					
9	390.000	807.500		-55047.290		12536.536				
			BASE21		BASE31					
9	390.000	808.000	-56149.136	-62828.746	11846.226	16150.457				
			BASE21	BASE21	BASE31	BASE31				
9	390.000	868.750	-176468.312	-172598.535	1015.184					
			BASE21	BASE21	BASE28					
9	390.000	929.500	-242321.020	-237437.141						
			BASE27	BASE27						
9	390.000	989.500	-258090.315	-260567.963						
			BASE27	BASE27						
9	390.000	1049.500	-225212.728	-228271.883	452.241					
			BASE27	BASE27	BASE39					
9	390.000	1050.000	-227761.984	-235033.218						
			BASE27	BASE27						
9	390.000	1110.000	-141898.170	-160138.555	1091.717	33.252				
			BASE27	BASE27	BASE34	BASE37				
9	390.000	1170.000	-8449.829		28154.858					
			BASE27		BASE26					
8	390.000	362.500		-75015.569		18178.806				
			BASE21		BASE25					
8	390.000	451.500	-204788.800	-202759.949	1360.229					
			BASE21	BASE21	BASE28					
8	390.000	540.500	-264494.903	-260638.348						
			BASE23	BASE23						
8	390.000	629.500	-260283.165	-263752.890						
			BASE21	BASE21						
8	390.000	718.500	-201915.128	-205222.426		1949.519				
			BASE21	BASE21		BASE29				
8	390.000	807.500	-72987.299		19582.837					
			BASE21		BASE29					

Y-STRIP DESIGN MOMENTS

Y-STRIP ID	STRIP WIDTH	STATION Y-ORDINATE	TOP-MOMEMT LEFT OF Y	TOP-MOMEMT RIGHT OF Y	BOT-MOMEMT LEFT OF Y	BOT-MOMEMT RIGHT OF Y
13	362.500	0.000	-10357.709		37481.656	
			BASE27		BASE27	
13	362.500	55.000	-138321.903	-116488.628		671.152
			BASE32	BASE32		BASE36
13	362.500	110.000	-222450.165	-211292.486		
			BASE21	BASE21		
13	362.500	120.000	-226475.403	-214499.658		1454.977
			BASE21	BASE32		BASE36
13	362.500	220.000	-312479.916	-310602.595		
			BASE21	BASE21		
13	362.500	305.000	-293490.651	-306601.007		
			BASE21	BASE21		
13	362.500	390.000	-181444.266	-192289.901		
			BASE21	BASE21		
13	362.500	417.500	-117986.476			
			BASE21			
16	362.500	417.500		-1343384.920		
			BASE21			
16	362.500	490.000	-148054.223	-165910.466	3332.880	
			BASE21	BASE21	BASE32	
16	362.500	545.000	-106440.787	-122148.312	299.229	
			BASE21	BASE21	BASE40	
16	362.500	600.000	-6987.215		28342.611	
			BASE25		BASE25	
14	445.000	0.000		-10988.802		26135.756
			BASE26			BASE26
14	445.000	55.000	-173072.876	-153235.196		
			BASE21	BASE21		
14	445.000	110.000	-280186.722	-270598.614		
			BASE21	BASE21		
14	445.000	120.000	-288480.319	-276908.165		
			BASE21	BASE21		
14	445.000	220.000	-395956.933	-391960.260		
			BASE21	BASE21		
14	445.000	305.000	-362569.943	-366715.729		
			BASE21	BASE21		
14	445.000	390.000	-203042.965			
			BASE21			
17	445.000	390.000		-206742.840		
			BASE21			
17	445.000	417.500	-232562.751	-235203.584		
			BASE21	BASE21		
17	445.000	490.000	-227160.031	-234283.485		
			BASE21	BASE21		
17	445.000	545.000	-150092.904	-163687.373		
			BASE21	BASE21		
17	445.000	600.000	-6615.184		18376.662	
			BASE30		BASE32	
15	362.500	0.000		-23717.843		50513.950
			BASE31			BASE31
15	362.500	55.000	-153414.949	-126121.786	10684.760	4268.121
			BASE30	BASE30	BASE31	BASE31
15	362.500	110.000	-234104.065	-223704.639	3894.147	4882.858
			BASE30	BASE30	BASE31	BASE31
15	362.500	120.000	-238984.650	-228364.880	4963.719	5118.628
			BASE30	BASE30	BASE31	BASE31
15	362.500	220.000	-316131.175	-311034.842	4206.137	3505.038
			BASE30	BASE30	BASE23	BASE31
15	362.500	305.000	-279530.916	-283321.001	4695.922	3372.686
			BASE21	BASE21	BASE31	BASE37
15	362.500	390.000	-140584.206		3664.024	
			BASE21		BASE37	
18	362.500	390.000		-145835.924		5710.914
			BASE21		BASE31	
18	362.500	417.500	-177251.992	-183658.217	5583.723	7283.946
			BASE21	BASE21	BASE31	BASE29
18	362.500	490.000	-186868.993	-192984.708	7881.610	3813.540
			BASE21	BASE21	BASE29	BASE39
18	362.500	545.000	-121999.618	-142506.401	3649.180	9346.136
			BASE21	BASE21	BASE39	BASE29
18	362.500	600.000	-18626.184		35802.967	
			BASE29		BASE29	

BEAM DESIGN MOMENTS & SHEARS

LINE ID	STATION(S) X-ORDINATE	STATION(S) Y-ORDINATE	TOP MOMENT LEFT OF S	TOP MOMENT RIGHT OF S	BOT MOMENT LEFT OF S	BOT MOMENT RIGHT OF S	SHEAR LEFT OF S	SHEAR RIGHT OF S
B1	0.000	0.000		-15138.894		0.000	253.37	
B1	60.000	0.000	-29897.627	-39931.098	0.000	0.000	253.37	204.92
B1	120.000	0.000	-51644.319	-60683.024	0.000	0.000	204.92	215.59
B1	200.833	0.000	-66311.246	-67217.803	0.000	0.000	215.59	123.92
B1	281.667	0.000	-57200.676	-57242.250	0.000	0.000	123.92	205.12
B1	362.500	0.000	-42902.401		0.000		205.12	
B3	362.500	0.000		-42217.708		0.000	253.44	
B3	451.500	0.000	-57582.867	-56722.718	0.000	0.000	253.44	178.89
B3	540.500	0.000	-69247.091	-71423.453	0.000	0.000	178.89	31.18
B3	629.500	0.000	-71543.169	-69024.384	0.000	0.000	31.18	174.47
B3	718.500	0.000	-56584.281	-57550.520	0.000	0.000	174.47	252.94
B3	807.500	0.000	-42391.485		0.000		252.94	
B5	807.500	0.000		-53695.911		0.000		81.28
B5	808.000	0.000	-53685.611	-47633.711	0.000	0.000	81.28	145.46
B5	868.750	0.000	-53432.047	-55152.398	0.000	0.000	145.46	129.68
B5	929.500	0.000	-63030.750	-66396.809	0.000	0.000	129.68	75.59
B5	989.500	0.000	-67653.847	-67832.744	0.000	0.000	75.59	280.92
B5	1049.500	0.000	-60109.371	-56751.001	0.000	0.000	280.92	203.38
B5	1050.000	0.000	-56669.211	-51549.882	0.000	0.000	203.38	251.44
B5	1110.000	0.000	-36463.583	-29906.073	0.000	0.000	251.44	365.63
B5	1170.000	0.000		0.000			365.63	
B16	807.500	0.000		-12678.930		0.000		320.88
B16	807.500	55.000	-29645.264	-47391.105	0.000	0.000	320.88	188.37
B16	807.500	110.000	-57007.998	-68927.628	0.000	0.000	188.37	215.81
B16	807.500	120.000	-69086.778	-74527.150	0.000	0.000	215.81	416.71
B16	807.500	220.000	-105790.639	-110112.011	0.000	0.000	416.71	77.54
B16	807.500	305.000	-105786.359	-99421.287	0.000	0.000	77.54	389.04
B16	807.500	390.000	-71775.877		0.000		389.04	
B17	1170.000	0.000		-11356.019		0.000		440.12
B17	1170.000	55.000	-32942.799	-42189.923	0.000	0.000	440.12	389.30
B17	1170.000	110.000	-63601.416	-77447.629	0.000	0.000	389.30	375.97
B17	1170.000	120.000	-80685.812	-79148.161	0.000	0.000	375.97	240.20
B17	1170.000	220.000	-103168.201	-103591.943	0.000	0.000	240.20	128.62
B17	1170.000	305.000	-92659.122	-88086.039	0.000	0.000	128.62	281.06
B17	1170.000	390.000	-67073.882		0.000		281.06	
B19	0.000	0.000		-17156.458		0.000		282.14
B19	0.000	55.000	-31282.237	-43050.650	0.000	0.000	282.14	262.68
B19	0.000	110.000	-57498.020	-65464.401	0.000	0.000	262.68	210.14
B19	0.000	120.000	-67366.576	-72571.981	0.000	0.000	210.14	329.57
B19	0.000	220.000	-91425.097	-94766.176	0.000	0.000	329.57	75.90
B19	0.000	305.000	-92769.766	-89324.498	0.000	0.000	75.90	288.41
B19	0.000	390.000	-70026.469	-70834.398	0.000	0.000	288.41	330.83
B19	0.000	417.500	-64947.999		0.000		330.83	
B20	362.500	0.000		-11821.493		0.000		320.28
B20	362.500	55.000	-28601.447	-46710.956	0.000	0.000	320.28	186.99
B20	362.500	110.000	-56995.219	-68971.127	0.000	0.000	186.99	182.08
B20	362.500	120.000	-69294.035	-75792.998	0.000	0.000	182.08	428.44
B20	362.500	220.000	-107921.863	-112586.260	0.000	0.000	428.44	54.82
B20	362.500	305.000	-110538.733	-103119.385	0.000	0.000	54.82	350.15
B20	362.500	390.000	-77678.353	-77555.907	0.000	0.000	350.15	543.29
B20	362.500	417.500	-68303.114		0.000		543.29	
B34	362.500	390.000		-26468.608		0.000		354.94
B34	451.500	390.000	-51241.523	-61683.428	0.000	0.000	354.94	208.77
B34	540.500	390.000	-76631.129	-80838.484	0.000	0.000	208.77	37.20
B34	629.500	390.000	-80120.367	-75886.178	0.000	0.000	37.20	219.28
B34	718.500	390.000	-60368.842	-51619.852	0.000	0.000	219.28	409.81
B34	807.500	390.000	-24555.677		0.000		409.81	
B38	807.500	390.000		-28364.259		0.000		278.00
B38	808.000	390.000	-28446.805	-28011.855	0.000	0.000	278.00	322.02
B38	868.750	390.000	-43221.760	-52342.492	0.000	0.000	322.02	190.32
B38	929.500	390.000	-63897.175	-70611.507	0.000	0.000	190.32	21.14
B38	989.500	390.000	-71716.511	-72353.441	0.000	0.000	21.14	264.76
B38	1049.500	390.000	-60205.436	-57313.675	0.000	0.000	264.76	173.78
B38	1050.000	390.000	-57308.584	-50304.174	0.000	0.000	173.78	190.64
B38	1110.000	390.000	-39114.359	-27312.139	0.000	0.000	190.64	393.90
B38	1170.000	390.000		0.000			393.90	
B42	0.000	417.500		-4505.359		187.043		481.56
B42	60.000	417.500	-33398.840	-46640.548	0.000	0.000	481.56	294.09
B42	120.000	417.500	-64285.862	-72224.617	0.000	0.000	294.09	207.72
B42	200.833	417.500	-82375.842	-79596.579	0.000	0.000	207.72	156.85
B42	281.667	417.500	-66918.164	-55460.024	0.000	0.000	156.85	383.10
B42	362.500	417.500	-26757.389		0.000		383.10	
B49	807.500	390.000		-72239.202		0.000		62.86
B49	807.500	417.500	-70946.497	-65024.716	0.000	0.000	62.86	197.72
B49	807.500	490.000	-54610.223	-46868.283	0.000	0.000	197.72	153.41
B49	807.500	545.000	-38679.695	-27197.140	0.000	0.000	153.41	349.41
B49	807.500	600.000		0.000			349.41	
B52	1170.000	390.000		-64941.478		0.000		94.57
B52	1170.000	417.500	-62557.924	-55524.832	0.000	0.000	94.57	85.77
B52	1170.000	490.000	-49827.766	-43823.442	0.000	0.000	85.77	172.62
B52	1170.000	545.000	-34877.023	-25663.424	0.000	0.000	172.62	222.49
B52	1170.000	600.000	-15100.208		0.000		222.49	
B53	0.000	417.500		-52359.629		0.000		265.82
B53	0.000	490.000	-43624.318	-35440.236	0.000	0.000	265.82	155.69
B53	0.000	545.000	-28321.573	-21272.349	0.000	0.000	155.69	199.92
B53	0.000	600.000	-12155.592		0.000		199.92	
B54	362.500	417.500		-58313.936		0.000		172.77
B54	362.500	490.000	-48956.040	-41000.167	0.000	0.000	172.77	123.10
B54	362.500	545.000	-35111.359	-23592.235	0.000	0.000	123.10	300.47
B54	362.500	600.000		0.000			300.47	
B61	0.000	600.000		-10809.651		0.000		322.91
B61	60.000	600.000	-30065.402	-38585.699	0.000	0.000	322.91	277.98
B61	120.000	600.000	-55264.729	-62887.001	0.000	0.000	277.98	183.09
B61	200.833	600.000	-66204.667	-66700.482	0.000	0.000	183.09	130.36
B61	281.667	600.000	-56163.031	-55999.398	0.000	0.000	130.36	226.04
B61	362.500	600.000	-38902.810		0.000		226.04	
B63	362.500	600.000		-40376.833		0.000		290.34
B63	451.500	600.000	-58851.665	-59539.992	0.000	0.000	290.34	183.99
B63	540.500	600.000	-71706.063	-74077.821	0.000	0.000	183.99	41.34
B63	629.500	600.000	-73430.151	-71230.322	0.000	0.000	41.34	198.03
B63	718.500	600.000	-58424.348	-58429.068	0.000	0.000	198.03	316.04
B63	807.500	600.000	-38556.147		0.000		316.04	
B66	807.500	600.000		-44496.062		0.000		83.46
B66	808.000	600.000	-44492.158	-39210.299	0.000	0.000	83.46	153.49
B66	868.750	600.000	-47960.767	-49346.575	0.000	0.000	153.49	103.32
B66	929.500	600.000	-55622.995	-54742.295	0.000	0.000	103.32	223.09
B66	989.500	600.000	-52672.642	-50681.448	0.000	0.000	223.09	215.84
B66	1049.500	600.000	-42401.055	-42101.800	0.000	0.000	215.84	90.52
B66	1050.000	600.000	-42092.645	-36015.040	0.000	0.000	90.52	104.31
B66	1110.000	600.000	-29756.418	-21581.301	0.000	0.000	104.31	171.69
B66	1170.000	600.000	-11675.262		0.000		171.69	