

DISEÑO CERCHA

Carga muerta 40 kg/m²

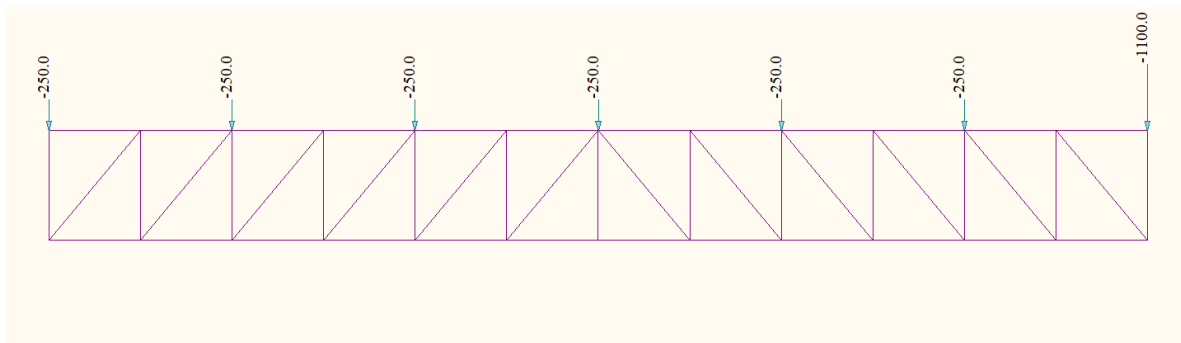
Carga viva 50 kg/m²

Carga de Viento 40 kgf/m²

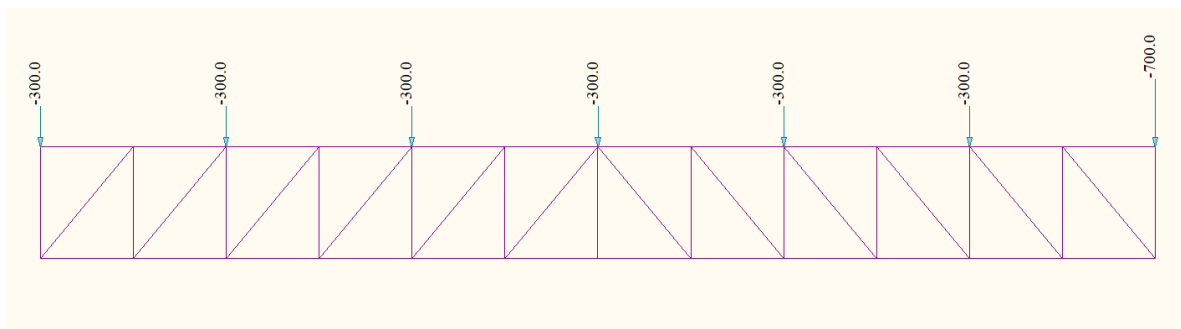
Separación de correas 1.20m

Aferencia 3.20 m

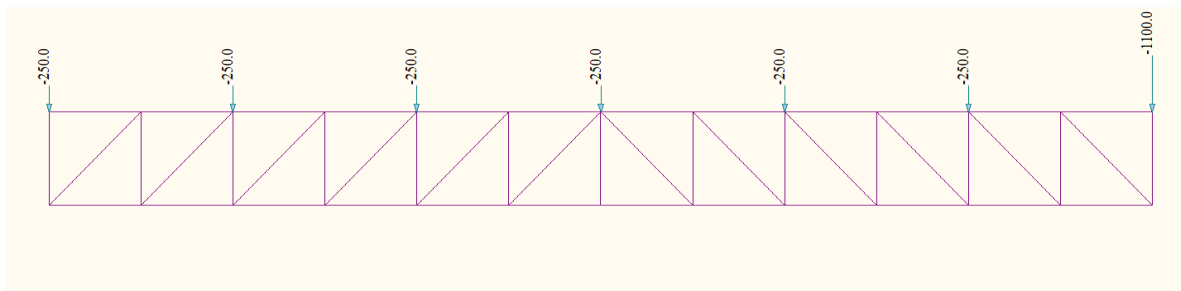
Carga muerta por nudo kg/m




Carga viva kg/m



Carga viento



PROJECT TITLE :

	Company		Client	
	Author	JORGE O	File Name	CERCHA.mdl

*** PROJECT INFORMATION

Project Name :
Date : 2021/8/4

*** CONTROL DATA

Panel Zone Effect : Do not Calculate
Unit System : KGF, MM
Definition of Frame
- X Direction of Frame : Braced I Non-sway
- Y Direction of Frame : Braced I Non-sway
- Design Type : 3-D
Design Code
- Steel : AISC (14th) -LRFD10
- Concrete : ACI318M-14
- SRC : SSRC79

*** LOAD CASE DATA

NO	NAME	TYPE	SELF WEIGHT	FACTOR	DESCRIPTION
			X	Y	Z

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1	MUERTA	D	0.000	0.000	-1.000
2	VIVA	L	0.000	0.000	0.000
3	VIENTO	W	0.000	0.000	0.000
4	SISMOX	E	0.000	0.000	0.000
5	SISMOY	E	0.000	0.000	0.000

*** MATERIAL PROPERTY DATA

GHT ITY	NO	NAME	TYPE	MODULUS OF	SHEAR	THERMAL	POISSON	WEI
				ELASTICITY	MODULUS	COEFF.	RATIO	DENS

006	1	A36	STEEL	2.039e+004	7842	6.5e-006	0.3	7.861e-
006	2	A618-50	STEEL	2.039e+004	7842	6.5e-006	0.3	7.861e-
006	3	A500-33	STEEL	2.039e+004	7842	6.5e-006	0.3	7.861e-
	NO	NAME	TYPE	STRENGTH OF DESIGN MATERIAL				
				STEEL	CONCRETE	MAIN REBAR	SUB REBAR	
	1	A36	STEEL	25.31	-	-	-	-
	2	A618-50	STEEL	35.15	-	-	-	-
	3	A500-33	STEEL	23.2	-	-	-	-

*** STORY DATA

NAME	LEVEL	HEIGHT	FLOOR DIAPHRAGM
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PROJECT TITLE :

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Roof      700.000      0.000      Consider
1F        0.000      700.000      Do not consider

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*** NODE DATA

NO	X	Y	Z	TEMPERATURE
1	0	0	0	0
2	583.3	0	0	0
3	1167	0	0	0
4	1750	0	0	0
5	2333	0	0	0
6	2917	0	0	0
7	3500	0	0	0
8	4083	0	0	0
9	4667	0	0	0
10	5250	0	0	0
11	5833	0	0	0
12	6417	0	0	0
13	7000	0	0	0
14	0	0	700	0
15	583.3	0	700	0
16	1167	0	700	0
17	1750	0	700	0
18	2333	0	700	0
19	2917	0	700	0
20	3500	0	700	0
21	4083	0	700	0
22	4667	0	700	0
23	5250	0	700	0
24	5833	0	700	0
25	6417	0	700	0
26	7000	0	700	0

*** SUPPORT / SPECIFIED DISPLACEMENT / POINT SPRING SUPPORT

** SUPPORT / SPECIFIED DISPLACEMENT

NODE	SUPPORT	SPECIFIED DISPLACEMENT					
	DDRRR	Dx	Dy	Dz	Rx	Ry	Rz
1	111000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	111000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000


*** FLOOR DIAPHRAGM / RIGID LINK DATA

MASTER	DDRRR	NODES OF SAME DISPLACEMENT
Roof Floor Diaphragm		14to26

*** SECTION PROPERTY DATA

NO	NAME	SHAPE	H	B	tw	tf1	r1
1	DOBPTS70X3	GEN	0	0	0	0	0
2	PTS50X50X~	B	50	50	2	2	0
3	correa	CC	152	63.5	2	10	0

PROJECT TITLE :

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NO	NAME	A	Asy	Asz	STIFFNESS SCALE FACTOR			W	Boundary Group
					Ix	Iy	Iz		
1	DOBPTS70X3								
2	PTS50X50X~								
3	correa								

NO	NAME	AREA	MOMENT OF INERTIA			SHAPE FACTOR	
		[SRC:EQIV.]	Ix	Iy	Iz	k-Y	k-Z
1	DOBPTS70X3	1072	6.183e+005	3.949e+005	2.593e+006	0.4342	0.435
2	PTS50X50X~	384	2.212e+005	1.477e+005	1.477e+005	0.5208	0.5208
3	correa	584.2	779	2.052e+006	3.123e+005	0.3887	0.6021

NO	NAME	SECTION MODULUS Sy		SECTION MODULUS Sz	
		I or CONC.	J or STEEL	I or CONC.	J or STEEL
2	PTS50X50X~	5908	5908	5908	5908
3	correa	2.7e+004	2.7e+004	7173	7173

*** BEAM MEMBER DATA

NO	NODAL CONNECTIVITY	BEAM END RELEASE	MATERIAL	SECTION	LENGTH
	I J	I J			
1	1 2	000010 000010	A500-33	DOBPTS70X3	583.3
2	2 3	000010 000010	A500-33	DOBPTS70X3	583.3
3	3 4	000010 000010	A500-33	DOBPTS70X3	583.3
4	4 5	000010 000010	A500-33	DOBPTS70X3	583.3
5	5 6	000010 000010	A500-33	DOBPTS70X3	583.3
6	6 7	000010 000010	A500-33	DOBPTS70X3	583.3
7	7 8	000010 000010	A500-33	DOBPTS70X3	583.3
8	8 9	000010 000010	A500-33	DOBPTS70X3	583.3
9	9 10	000010 000010	A500-33	DOBPTS70X3	583.3
10	10 11	000010 000010	A500-33	DOBPTS70X3	583.3
11	11 12	000010 000010	A500-33	DOBPTS70X3	583.3
12	12 13	000010 000010	A500-33	DOBPTS70X3	583.3
13	14 15	000010 000010	A500-33	DOBPTS70X3	583.3
14	15 16	000010 000010	A500-33	DOBPTS70X3	583.3
15	16 17	000010 000010	A500-33	DOBPTS70X3	583.3
16	17 18	000010 000010	A500-33	DOBPTS70X3	583.3
17	18 19	000010 000010	A500-33	DOBPTS70X3	583.3
18	19 20	000010 000010	A500-33	DOBPTS70X3	583.3
19	20 21	000010 000010	A500-33	DOBPTS70X3	583.3
20	21 22	000010 000010	A500-33	DOBPTS70X3	583.3
21	22 23	000010 000010	A500-33	DOBPTS70X3	583.3
22	23 24	000010 000010	A500-33	DOBPTS70X3	583.3
23	24 25	000010 000010	A500-33	DOBPTS70X3	583.3
24	25 26	000010 000010	A500-33	DOBPTS70X3	583.3

*** TRUSS MEMBER DATA

NO	NODAL CONNECTIVITY	MATERIAL	SECTION	TENSION / COMPRESSION	SECTION AREA	LENGTH
	I J				I J	
25	1 15	A500-33	PTS50X50X~	N	384 -	911.2
26	2 16	A500-33	PTS50X50X~	N	384 -	911.2
27	3 17	A500-33	PTS50X50X~	N	384 -	911.2

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28	4	18	A500-33	PTS50X50X~	N	384	-	911.2
29	5	19	A500-33	PTS50X50X~	N	384	-	911.2
30	6	20	A500-33	PTS50X50X~	N	384	-	911.2
31	8	20	A500-33	PTS50X50X~	N	384	-	911.2
32	9	21	A500-33	PTS50X50X~	N	384	-	911.2
33	10	22	A500-33	PTS50X50X~	N	384	-	911.2
34	11	23	A500-33	PTS50X50X~	N	384	-	911.2
35	12	24	A500-33	PTS50X50X~	N	384	-	911.2
36	13	25	A500-33	PTS50X50X~	N	384	-	911.2
37	1	14	A500-33	PTS50X50X~	N	384	-	700
38	2	15	A500-33	PTS50X50X~	N	384	-	700
39	3	16	A500-33	PTS50X50X~	N	384	-	700
40	4	17	A500-33	PTS50X50X~	N	384	-	700
41	5	18	A500-33	PTS50X50X~	N	384	-	700
42	6	19	A500-33	PTS50X50X~	N	384	-	700
43	7	20	A500-33	PTS50X50X~	N	384	-	700
44	8	21	A500-33	PTS50X50X~	N	384	-	700
45	9	22	A500-33	PTS50X50X~	N	384	-	700
46	10	23	A500-33	PTS50X50X~	N	384	-	700
47	11	24	A500-33	PTS50X50X~	N	384	-	700
48	12	25	A500-33	PTS50X50X~	N	384	-	700
49	13	26	A500-33	PTS50X50X~	N	384	-	700

*** TOTAL WEIGHT / VOLUME / SURFACE AREA SUMMARY

SECTION NO	SECTION NAME	SURFACE AREA	VOLUME	WEIGHT	FRAME NUMBER	TRUSS NUMBER
1	DOBPTS70X3	1.053e+007	1.5e+007	117.9	24	0
2	PTS50X50X2.0	7.693e+006	7.693e+006	60.48	0	25
3	correa	0	0	0	0	0

*** LOAD DATA

; Self Weight, Nodal Load, Specified Displacement, Beam Load, Floor Load, Finishing Material Load,

System Temperature, Nodal Temperature, Element Temperature, Beam Section Temperature,
Wind Load, Static Seismic Load, Time History Analysis Data

[LOAD CASE : MUERTA]

** SELF WEIGHT DATA

; X=0, Y=0, Z=-1

** NODAL LOAD DATA

NODE	FX	FY	FZ	MX	MY	MZ
14	0	0	-250	0	0	0
16	0	0	-250	0	0	0
18	0	0	-250	0	0	0
20	0	0	-250	0	0	0
22	0	0	-250	0	0	0
24	0	0	-250	0	0	0
26	0	0	-1100	0	0	0

[LOAD CASE : VIVA]

** NODAL LOAD DATA

PROJECT TITLE :

	Company		Client	
	Author	JORGE O	File Name	CERCHA.mdl

NODE	FX	FY	FZ	MX	MY	MZ
14	0	0	-300	0	0	0
16	0	0	-300	0	0	0
18	0	0	-300	0	0	0
20	0	0	-300	0	0	0
22	0	0	-300	0	0	0
24	0	0	-300	0	0	0
26	0	0	-700	0	0	0

[LOAD CASE : VIENTO]

** NODAL LOAD DATA

NODE	FX	FY	FZ	MX	MY	MZ
14	0	0	-250	0	0	0
16	0	0	-250	0	0	0
18	0	0	-250	0	0	0
20	0	0	-250	0	0	0
22	0	0	-250	0	0	0
24	0	0	-250	0	0	0
26	0	0	-1100	0	0	0

[LOAD CASE : SISMOX]

** STATIC SEISMIC LOAD DATA : CODE , NSR-10

* MASS GENERATION DATA FOR LATERAL ANALYSIS OF BUILDING [UNIT: kgf, mm]


STORY NAME	TRANSLATIONAL MASS (X-DIR)	TRANSLATIONAL MASS (Y-DIR)	ROTATIONAL MASS	CENTER OF MASS (X-COORD)	CENTER OF MASS (Y-COORD)
Roof	0.00909681	0.00909681	36816.9531	3500.0	0.0
1F	0.0	0.0	0.0	0.0	0.0
TOTAL :	0.00909681	0.00909681			

* ADDITIONAL MASSES FOR THE CALCULATION OF EQUIVALENT SEISMIC FORCE

Note. The following masses are between two adjacent stories or on the nodes released from floor rigid diaphragm by *Diaphragm Disconnect command. The masses are proportionally distributed to upper/lower stories according to their vertical locations. For dynamic analysis, however, floor masses and masses on vertical elements remain at their original locations.

STORY NAME	TRANSLATIONAL MASS (X-DIR)	TRANSLATIONAL MASS (Y-DIR)
Roof	0.0	0.0
1F	0.00909681	0.00909681
TOTAL :	0.00909681	0.00909681

PROJECT TITLE :

	Company		Client	
	Author	JORGE O	File Name	CERCHA.mdl

* EQUIVALENT SEISMIC LOAD IN ACCORDANCE WITH NSR-10 [UNIT: kgf, mm]

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Site Class : D
Effective Peak Acceleration(Aa) : 0.25000
Effective Peak Velocity (Av) : 0.25000
Site Coefficient at Short Periods (Fa) : 1.45000
Site Coefficient at 1 s Period (Fv) : 3.00000
Importance Factor (I) : 1.00
Period Coefficient for Upper Limit (Cu) : 0.8500
Fundamental Period Associated with X-dir. (Tx) : 0.1183
Fundamental Period Associated with Y-dir. (Ty) : 0.1183
Basic Ductility Factor for X-dir. (Rx0) : 1.00000
Basic Ductility Factor for Y-dir. (Ry0) : 1.00000
Reduction Factor of Irregularity for X-dir. (Phix) : 1.00000
Reduction Factor of Irregularity for Y-dir. (Phiy) : 1.00000
Ductility Factor for X-dir. (Rx) : 1.00000
Ductility Factor for X-dir. (Rx) : 1.00000
Total Effective Weight For X-dir. Seismic Loads (Wx) : 89.203348
Total Effective Weight For Y-dir. Seismic Loads (Wy) : 89.203348

Scale Factor For X-directional Seismic Loads : 1.00
Scale Factor For Y-directional Seismic Loads : 0.00

Accidental Eccentricity For X-direction (Ex) : Positive
Accidental Eccentricity For Y-direction (Ey) : Positive

Torsional Amplification for Accidental Eccentricity : Do not Consider
Torsional Amplification for Inherent Eccentricity : Do not Consider

Total Base Shear Of Model For X-direction : 80.840534
Total Base Shear Of Model For Y-direction : 0.000000
Summation Of Wi*Hi^k Of Model For X-direction : 62442.343885
Summation Of Wi*Hi^k Of Model For Y-direction : 0.000000

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ECCENTRICITY RELATED DATA


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X - D I R E C T I O N A L L O A D						Y - D I R E C T I O N A L L O A D			
NT STORY NAME	ACCIDENTAL	INHERENT	ACCIDENTAL	INHERENT		ACCIDENTAL	INHERENT	ACCIDENTAL	INHERENT
	ECCENT.	ECCENT.	AMP.FACTOR	AMP.FACTOR		ECCENT.	ECCENT.	AMP.FACTOR	AMP.FA
Roof	0.0	0.0	1.0	0.0		350.0	0.0	1.0	
G.L	0.0	0.0	0.0	0.0		0.0	0.0	0.0	

The accidental amplification factors are automatically set to 1.0 when torsional amplification effect to accidental eccentricity is not considered.

The inherent amplification factors are automatically set to 0 when torsional amplification effect to inherent eccentricity is not considered.

PROJECT TITLE :

	Company		Client	
	Author	JORGE O	File Name	CERCHA.mdl

The inherent amplification factors are all set to 'the input value - 1.0'. (This is to exclude the true inherent torsion)

** Story Force , Seismic Force x Scale Factor + Added Force

S E I S M I C L O A D G E N E R A T I O N D A T A X - D I R E C T I O N											
STORY	STORY	STORY	SEISMIC	ADDED	STORY	STORY	OVERTURN.	ACCIDENT.	INHERENT	TOTA	
NAME	WEIGHT	LEVEL	FORCE	FORCE	FORCE	SHEAR	MOMENT	TORSION	TORSION	TORS	ION
Roof	89.20335	700.0	80.84053	0.0	80.84053	0.0	0.0	0.0	0.0	0.0	
G.L.	--	0.0	--	--	--	80.84053	56588.37	---	---	--	

S E I S M I C L O A D G E N E R A T I O N D A T A Y - D I R E C T I O N											
STORY	STORY	STORY	SEISMIC	ADDED	STORY	STORY	OVERTURN.	ACCIDENT.	INHERENT	TOTA	
NAME	WEIGHT	LEVEL	FORCE	FORCE	FORCE	SHEAR	MOMENT	TORSION	TORSION	TORS	ION
Roof	89.20335	700.0	80.84053	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
G.L.	--	0.0	--	--	--	0.0	0.0	---	---	--	

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COMMENTS ABOUT TORSION

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If torsional amplification effects are considered :

Accidental Torsion , Story Force * Accidental Eccentricity * Amp. Factor for Accidental Eccentricity


Inherent Torsion , Story Force * Inherent Eccentricity * Amp. Factor for Inherent Eccentricity

If torsional amplification effects are not considered :

Accidental Torsion , Story Force * Accidental Eccentricity

Inherent Torsion , 0

PROJECT TITLE :

	Company		Client	
	Author	JORGE O	File Name	CERCHA.mdl

The inherent torsion above is the additional torsion due to torsional amplification effect.
The true inherent torsion is considered automatically in analysis stage when the seismic force is applied to the structure.

[LOAD CASE : SISMOY]

** STATIC SEISMIC LOAD DATA : CODE , NSR-10

* MASS GENERATION DATA FOR LATERAL ANALYSIS OF BUILDING [UNIT: kgf, mm]

STORY NAME	TRANSLATIONAL MASS (X-DIR)	TRANSLATIONAL MASS (Y-DIR)	ROTATIONAL MASS	CENTER OF MASS (X-COORD)	CENTER OF MASS (Y-COORD)
Roof	0.00909681	0.00909681	36816.9531	3500.0	0.0
1F	0.0	0.0	0.0	0.0	0.0
TOTAL :	0.00909681	0.00909681			

* ADDITIONAL MASSES FOR THE CALCULATION OF EQUIVALENT SEISMIC FORCE


Note. The following masses are between two adjacent stories or on the nodes released from floor rigid diaphragm by *Diaphragm Disconnect command. The masses are proportionally distributed to upper/lower stories according to their vertical locations. For dynamic analysis, however, floor masses and masses on vertical elements remain at their original locations.

STORY NAME	TRANSLATIONAL MASS (X-DIR)	TRANSLATIONAL MASS (Y-DIR)
Roof	0.0	0.0
1F	0.00909681	0.00909681
TOTAL :	0.00909681	0.00909681

* EQUIVALENT SEISMIC LOAD IN ACCORDANCE WITH NSR-10 [UNIT: kgf, mm]

Site Class	: D
Effective Peak Acceleration(Aa)	: 0.25000
Effective Peak Velocity (Av)	: 0.25000
Site Coefficient at Short Periods (Fa)	: 1.45000
Site Coefficient at 1 s Period (Fv)	: 3.00000
Importance Factor (I)	: 1.00
Period Coefficient for Upper Limit (Cu)	: 0.8500
Fundamental Period Associated with X-dir. (Tx)	: 0.1183
Fundamental Period Associated with Y-dir. (Ty)	: 0.1183
Basic Ductility Factor for X-dir. (Rx0)	: 1.00000
Basic Ductility Factor for Y-dir. (Ry0)	: 1.00000
Reduction Factor of Irregularity for X-dir. (Phix)	: 1.00000
Reduction Factor of Irregularity for Y-dir. (Phiy)	: 1.00000
Ductility Factor for X-dir. (Rx)	: 1.00000
Ductility Factor for X-dir. (Rx)	: 1.00000
Total Effective Weight For X-dir. Seismic Loads (Wx)	: 89.203348

PROJECT TITLE :

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Total Effective Weight For Y-dir. Seismic Loads (Wy)      : 89.203348

Scale Factor For X-directional Seismic Loads              : 0.00
Scale Factor For Y-directional Seismic Loads              : 1.00

Accidental Eccentricity For X-direction (Ex)              : Positive
Accidental Eccentricity For Y-direction (Ey)              : Positive

Torsional Amplification for Accidental Eccentricity        : Do not Consider
Torsional Amplification for Inherent Eccentricity          : Do not Consider

Total Base Shear Of Model For X-direction                : 0.000000
Total Base Shear Of Model For Y-direction                : 80.840534
Summation Of Wi*Hi^k Of Model For X-direction            : 0.000000
Summation Of Wi*Hi^k Of Model For Y-direction            : 62442.343885

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=====
ECCENTRICITY RELATED DATA
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X - D I R E C T I O N A L L O A D					Y - D I R E C T I O N A L L O A D				
STORY	ACCIDENTAL	INHERENT	ACCIDENTAL	INHERENT	ACCIDENTAL	INHERENT	ACCIDENTAL	INHERENT	
NT									
NAME	ECCENT.	ECCENT.	AMP.FACTOR	AMP.FACTOR	ECCENT.	ECCENT.	AMP.FACTOR	AMP.FA	
CTOR									
Roof	0.0	0.0	1.0	0.0	350.0	0.0	1.0		
0.0									
G.L	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.0									

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The accidental amplification factors are automatically set to 1.0 when torsional amplification effect
to accidental eccentricity is not considered.
The inherent amplification factors are automatically set to 0 when torsional amplification effect
to inherent eccentricity is not considered.
The inherent amplification factors are all set to 'the input value - 1.0'. (This is to exclude the true
inherent torsion)
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** Story Force , Seismic Force x Scale Factor + Added Force

S E I S M I C L O A D G E N E R A T I O N D A T A X - D I R E C T I O N										
STORY	STORY	STORY	SEISMIC	ADDED	STORY	STORY	OVERTURN.	ACCIDENT.	INHERENT	TOTA
L										
NAME	WEIGHT	LEVEL	FORCE	FORCE	FORCE	SHEAR	MOMENT	TORSION	TORSION	TORS
ION										
Roof	89.20335	700.0	80.84053	0.0	0.0	0.0	0.0	0.0	0.0	

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0.0
G.L. -- 0.0 -- -- -- 0.0 0.0 --- --- --

S E I S M I C L O A D G E N E R A T I O N D A T A Y - D I R E C T I O N

L	STORY	STORY	STORY	SEISMIC	ADDED	STORY	STORY	OVERTURN.	ACCIDENT.	INHERENT	TOTA
ION	NAME	WEIGHT	LEVEL	FORCE	FORCE	FORCE	SHEAR	MOMENT	TORSION	TORSION	TORS
4.19	Roof	89.20335	700.0	80.84053	0.0	80.84053	0.0	0.0	28294.19	0.0	2829
	G.L.	--	0.0	--	--	--	80.84053	56588.37	---	---	--

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COMMENTS ABOUT TORSION

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If torsional amplification effects are considered :

Accidental Torsion , Story Force * Accidental Eccentricity * Amp. Factor for Accidental Eccentricity

Inherent Torsion , Story Force * Inherent Eccentricity * Amp. Factor for Inherent Eccentricity

If torsional amplification effects are not considered :

Accidental Torsion , Story Force * Accidental Eccentricity

Inherent Torsion , 0


The inherent torsion above is the additional torsion due to torsional amplification effect.
The true inherent torsion is considered automatically in analysis stage when the seismic force is applied to the structure.

*** LOAD COMBINATION DATA

** STEEL DESIGN

NO	NAME	TYPE	ACTIVE	DESCRIPTION
1	sLCB1	Add	ACTIVE	1.4D
2	sLCB2	Add	ACTIVE	1.2(D) + 1.6(L)
3	sLCB3	Add	ACTIVE	1.2D + 1.0VIENTO + 1.0L
4	sLCB4	Add	ACTIVE	1.2D - 1.0VIENTO + 1.0L
5	sLCB5	Add	ACTIVE	0.9D + 1.0VIENTO
6	sLCB6	Add	ACTIVE	0.9D - 1.0VIENTO

PROJECT TITLE :

	Company		Client	
	Author	JORGE O	File Name	CERCHA.mdl

7	sLCB7	Add	SERVICE	SERV : (D)
8	sLCB8	Add	SERVICE	SERV : (D) + L
9	sLCB9	Add	SERVICE	SERV : (D) + 0.6VIENTO
10	sLCB10	Add	SERVICE	SERV : (D) - 0.6VIENTO
11	sLCB11	Add	SERVICE	SERV : (D) + 0.75 (0.6) VIENTO + 0.75L
12	sLCB12	Add	SERVICE	SERV : (D) - 0.75 (0.6) VIENTO + 0.75L
13	sLCB13	Add	SERVICE	SERV : 0.6D + 0.6VIENTO
14	sLCB14	Add	SERVICE	SERV : 0.6D - 0.6VIENTO
15	sLCB15	Add	ACTIVE	1.4D
16	sLCB16	Add	ACTIVE	1.2 (D) + 1.6 (L)
17	sLCB17	Add	SERVICE	SERV : (D)
18	sLCB18	Add	SERVICE	SERV : (D) + L

CHK	MEMB	SECT	SEL	Section	Section	LCB	Len	Ly	Cb	Ky	B1y	B2y	Pr	Mry	Mrz	Vry	Vrz	Tr	Def
CHK	COM	SHR	SEL	Material	Fy	LCB	Lb	Lz	Cb	Kz	B1z	B2z	Pc	Mcy	McZ	Vcy	Vcz	Tc	Defa
OK	25	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	4076	0	0	0	0	0	-
OK	0.508	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	26	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	4099	0	0	0	0	0	-
OK	0.511	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	27	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	5228	0	0	0	0	0	-
OK	0.652	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	28	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	5251	0	0	0	0	0	-
OK	0.655	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	29	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	6380	0	0	0	0	0	-
OK	0.796	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	30	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	6403	0	0	0	0	0	-
OK	0.799	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	31	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	6403	0	0	0	0	0	-
OK	0.799	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	32	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	6380	0	0	0	0	0	-
OK	0.796	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	33	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	5251	0	0	0	0	0	-
OK	0.655	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	34	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	5228	0	0	0	0	0	-
OK	0.652	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	35	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	4099	0	0	0	0	0	-
OK	0.511	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	36	2	0	PTS50X50X2.0	PTS50X50X2.0	3	911.196	911.196	1	1	1	1	4076	0	0	0	0	0	-
OK	0.508	0		A500-33	23.2013	3	911.196	911.196	1	1	1	1	8018	144414	144414	0	0	0	-
OK	37	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.014	1	-855.5	0	0	0	0	0	-
OK	0.057	0		A500-33	23.2013	3	700	700	1	1	1.014	1	7540	144414	144414	0	0	0	-
OK	38	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.055	1	-3140	0	0	0	0	0	-
OK	0.416	0		A500-33	23.2013	3	700	700	1	1	1.055	1	7540	144414	144414	0	0	0	-
OK	39	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.071	1	-4008	0	0	0	0	0	-
OK	0.532	0		A500-33	23.2013	3	700	700	1	1	1.071	1	7540	144414	144414	0	0	0	-
OK	40	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.071	1	-4025	0	0	0	0	0	-
OK	0.534	0		A500-33	23.2013	3	700	700	1	1	1.071	1	7540	144414	144414	0	0	0	-
OK	41	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.088	1	-4893	0	0	0	0	0	-
OK	0.649	0		A500-33	23.2013	3	700	700	1	1	1.088	1	7540	144414	144414	0	0	0	-
OK	42	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.088	1	-4911	0	0	0	0	0	-
OK	0.651	0		A500-33	23.2013	3	700	700	1	1	1.088	1	7540	144414	144414	0	0	0	-
OK	43	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.214	1	-10698	0	0	0	0	0	-
OK	0.919	0		A500-33	23.2013	3	700	700	1	1	1.214	1	7540	144414	144414	0	0	0	-
OK	44	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.088	1	-4911	0	0	0	0	0	-
OK	0.651	0		A500-33	23.2013	3	700	700	1	1	1.088	1	7540	144414	144414	0	0	0	-

CHK	MEMB	SECT	SEL	Section	Section	LCB	Len	Ly	Cb	Ky	B1y	B2y	Pr	Mry	Mrz	Vry	Vrz	Tr	Def
CHK	COM	SHR	SEL	Material	Fy	LCB	Lb	Lz	Cb	Kz	B1z	B2z	Pc	Mcy	Mcx	Vcy	Vcx	Tc	Defa
OK	45	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.088	1	-4893	0	0	0	0	0	-
OK	0.649	0		A500-33	23.2013	3	700	700	1	1	1.088	1	7540	144414	144414	0	0	0	-
OK	46	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.071	1	-4025	0	0	0	0	0	-
OK	0.534	0		A500-33	23.2013	3	700	700	1	1	1.071	1	7540	144414	144414	0	0	0	-
OK	47	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.071	1	-4008	0	0	0	0	0	-
OK	0.532	0		A500-33	23.2013	3	700	700	1	1	1.071	1	7540	144414	144414	0	0	0	-
OK	48	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.055	1	-3140	0	0	0	0	0	-
OK	0.416	0		A500-33	23.2013	3	700	700	1	1	1.055	1	7540	144414	144414	0	0	0	-
OK	49	2	0	PTS50X50X2.0	PTS50X50X2.0	3	700	700	1	1	1.054	1	-3126	0	0	0	0	0	-
OK	0.415	0		A500-33	23.2013	3	700	700	1	1	1.054	1	7540	144414	144414	0	0	0	-