Project properties: **conc1**

Structure type: Shell

Structure gravity center coordinates:
X = 5.859 *(m)*
Y = 6.000 *(m)*
Z = 9.646 *(m)*
Central moments of inertia of a structure:
Ix = 12923071.215 *(kg*m2)*
Iy = 13091011.464 *(kg*m2)*
Iz = 10609315.511 *(kg*m2)*
Mass = 308480.000 *(kg)*

Coordinates of structure centroid with dynamic global masses considered:
X = 5.883 *(m)*
Y = 6.000 *(m)*
Z = 9.850 *(m)*
Central moments of inertia of a structure with dynamic global masses considered:
Ix = 44913335.242 *(kg*m2)*
Iy = 45417809.846 *(kg*m2)*
Iz = 36149049.865 *(kg*m2)*
Mass = 1110080.000 *(kg)*

Structure description

Number of nodes:	100
Number of bars:	208
Bar finite elements:	208
Planar finite elements:	0
Volumetric finite elements:	0
No of static degr. of freedom:	504
Cases:	6
Combinations:	0

Table of load cases / analysis types

Case 1 : DL1
Analysis type: Static - Linear

Case 2 : DL2
Analysis type: Static - Linear

Case 3 : LL1
Analysis type: Static - Linear

Case 4 : Modal
Analysis type: Modal

Data:

Analysis mode	:	Modal
Type of mass matrix	:	Lumped without rotations
Number of modes	:	20
Limits	:	0.000
Coefficient	:	0.000

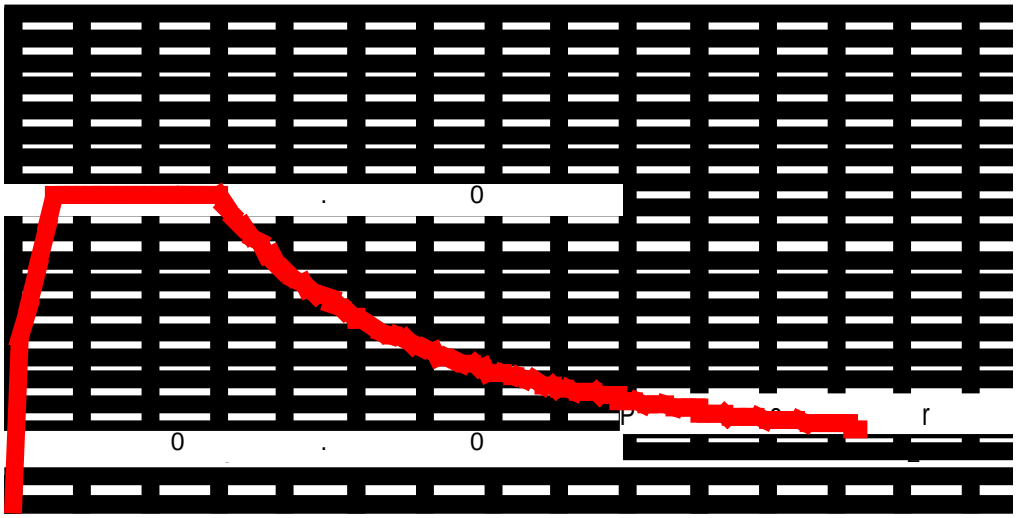
Case 5 : Seismic UBC 97 Direction_X
Analysis type: Seismic-UBC 97

Base shear value 107043.429 (kgf)

Base shear coefficient for the combination	SRSS :	2.040
Base shear coefficient for the combination	CQC :	2.031
Base shear coefficient for the combination	10% :	2.035
Base shear coefficient for the combination	2S :	2.025

Excitation direction:
X = 1.000
Y = 0.000
Z = 0.000

A c c e b r a
2 . 0



Data:

Zone :	3
Soil :	Sd
Seismic source type :	A
The smallest distance to a known seismic source (km) :	4.000

Case 6 : Seismic UBC 97 Direction_Y
Analysis type: Seismic-UBC 97

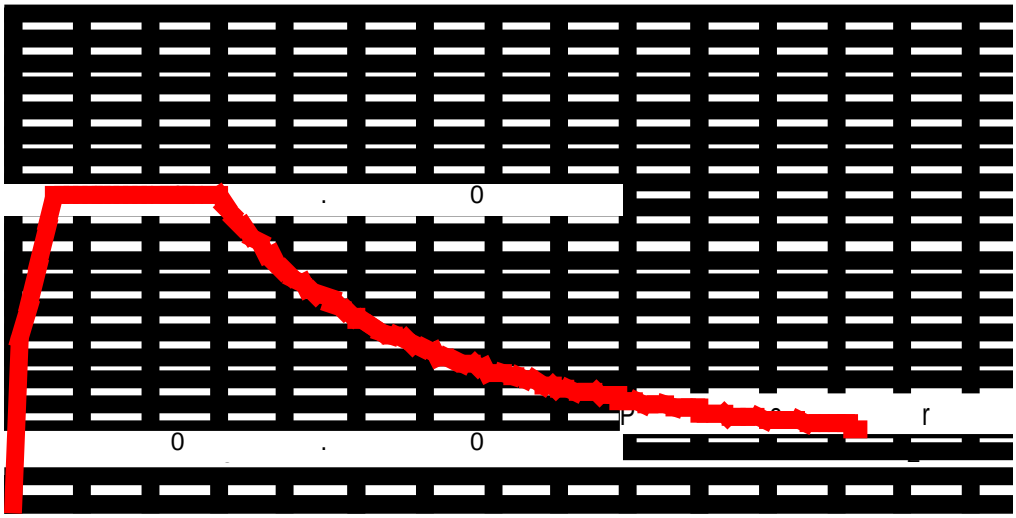
Base shear value 107043.429 (kgf)

Base shear coefficient for the combination	SRSS :	2.080
Base shear coefficient for the combination	CQC :	2.051
Base shear coefficient for the combination	10% :	2.055
Base shear coefficient for the combination	2S :	2.040

Excitation direction:
X = 0.000
Y = 1.000
Z = 0.000

A c c e b r a

2 . 0



Data:

Zone :	3	
Soil :	Sd	
Seismic source type :	A	
The smallest distance to a known seismic source (km) :		4.000