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DIGITALLY VERIFIED RECORD

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
'ThalamuthuNatarajan Building', No.1, Gandhi Irwin Road,
Egmore, Chennai-600 008.

PROFESSIONAL REGISTRATION CERTIFICATE

This is to certify that the **Thiru. N. KANAGAVEL** has enrolled as **Registered Structural Engineer Grade-I (SE)** with Chennai Metropolitan Development Authority (CMDA) who has the qualification of **M.E.,(Structural Engg.)** and experience in the relevant field for **11 years**.

He has been given the Registration No.**SE/GR-I/2019/03/049** Renewed on **26.03.2024.** He shall be required to comply with the duties and responsibilities prescribed by the Government of Tamil Nadu in Part-V, "Registration of Professionals", Tamil Nadu Combined Development and Building Rules, 2019 approved vide G.O.(Ms) No.18 MAWS (MA1) Dept. dated 04.02.2019.

This Registration is valid upto **25.03.2029**.



26/3/24.

(A. MEGANATHAN)
Superintendent

N. KANAGAVEL M.E., M.B.A., MIE., FIV.,
Chartered Engineer, Registered Structural Engineer Grade-I
CA-12, Tarangini Complex, Ambattur Industrial Estate,
(Mugappair West,) Chennai - 600 058.
Mobile : 94440 - 61295
E-mail : kanagavelchennai@gmail.com

19.12.2023

STABILITY CERTIFICATE

For the proposed construction of residential apartment building of stilt + five floors for M/s Celebrity Dwellings (P) Ltd., @ S.No: 397/1B, Mel Ayanambakkam Main Road, Ayanambakkam, Ambattur, Chennai – 600 058, the structural design is done. I am enclosing the analysis and design calculations for critical members for reference.

The modeling and analysis is done using ETAB software and the designing part by manual calculations. The member loads are taken as per IS 875 and IS 1893 – 2016 and the designing is done based on IS 456 and SP-16.

Based on the analysis and design I certify that the structure @ the above said location will be **SAFE and SOUND** if the recommendations are followed during construction.

N. KANAGAVEL M.E, M.B.A., MIE., FIV
Registered Structural Engineer Grade-I
CMDA Reg.No. SE/GR-I/19/03/049
GCC Reg.No.RSE100022019
CA-12, Tarangani Complex,
Ambattur Industrial Estate
Mogappair West, Chennai-600 058

Design Specifications:

The proposed structure is to be designed for stilt + five floors and to be of framed structure to resist the seismic effect of zone III as per IS 1893 – 2016. The usage of the building is for residential purpose.

Soil:

As per Josmar Consulting Engineers geo technical report no. JCE/Geotech/2023/023 dated 05.04.2023 the foundation recommendations are:

(i) type of foundation = Bored cast in situ pile

(ii) Depth of pile = 16.00 m

(iii) Pile load carrying capacity for 0.60m dia = 410kn/m^2

Floor Heights Considered:

Depth of Pile = 16.0m

Car parking level from road level = 0.75m

Stilt and typical floors height = 3.05m

Analysis and Design:

Analysis part is done using ETAB software and the designing part by manual calculations in accordance with IS 456 – 2000 and SP – 16.

Materials:

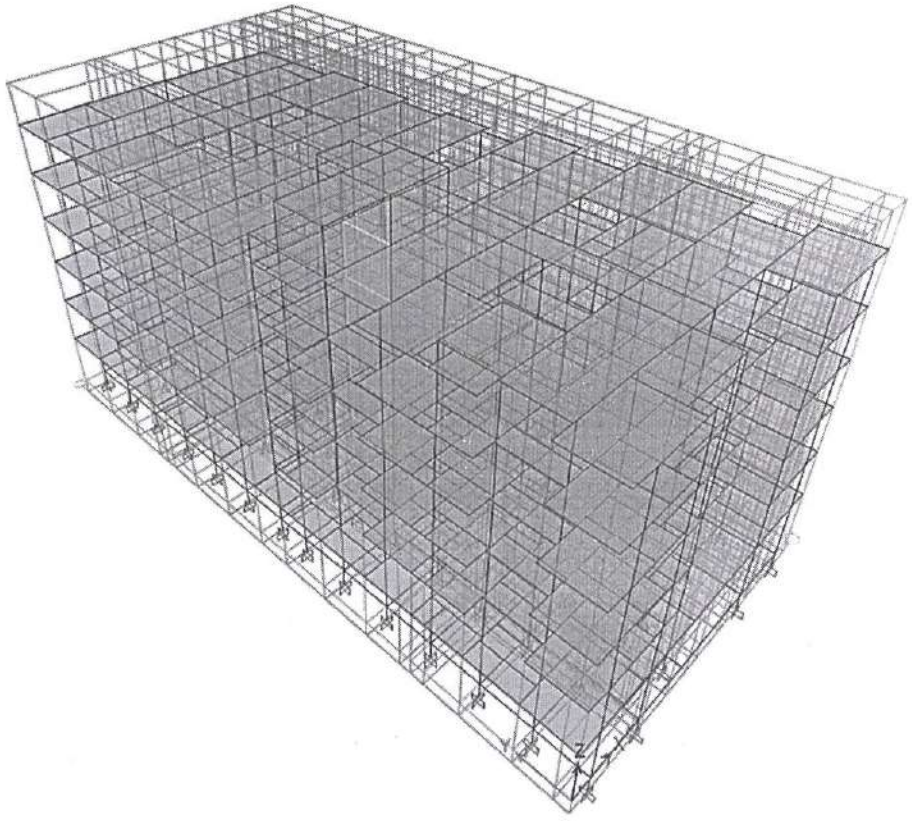
The following recommendations of materials are to be used

(i) Grade of concrete : M30 grade for all RCC members

(ii) Grade of steel : Fe 500 for all diameter

(iii) Potable quality of water to be used for all construction activities including curing.

ETABS®



User Report

Model File: stilt+5 floors, Revision 0
19-Dec-23

1 Structure Data

This chapter provides model geometry information, including items such as story levels, point coordinates, and element connectivity.

1.1 Story Data

Table 1.1 - Story Definitions

Tower	Name	Height m	Master Story	Similar To	Splice Story	Color
T1	head room	2.5	No	None	No	Gray8Dark
T1	roof	3.05	No	None	No	Gray8Dark
T1	story5	3.05	No	story1	No	Gray8Dark
T1	story4	3.05	No	story1	No	Gray8Dark
T1	story3	3.05	No	story1	No	Gray8Dark
T1	story2	3.05	No	story1	No	Blue
T1	story1	3.6	Yes	None	No	Green
T1	plinth beam	1	No	None	No	Cyan

2 Properties

This chapter provides property information for materials, frame sections, shell sections, and links.

2.1 Materials

Table 2.1 - Material Properties - General

Material	Type	SymType	Grade	Color	Notes
HYSD500	Rebar	Uniaxial	HYSD Grade 500	Red	
M30	Concrete	Isotropic	M30	Cyan	

3 Loads

This chapter provides loading information as applied to the model.

3.1 Load Patterns

Table 3.1 - Load Pattern Definitions

Name	Is Auto Load	Type	Self Weight Multiplier	Auto Load
~LLRF	Yes	Other	0	
Dead	No	Dead	1	
Floor finish	No	Super Dead	0	
Live	No	Reducible Live	0	
roof live	No	Roof Live	0	
sesmic - X	No	Seismic	0	IS 1893:2016
sesmic - Y	No	Seismic	0	IS 1893:2016
sunken filling	No	Super Dead	0	
wall load	No	Super Dead	0	

3.2 Auto Seismic Loading

Table 3.2 - Load Pattern Definitions - Auto Seismic - IS 1893 2016 (Part 1 of 2)

Name	Is Auto Load	X Dir?	X Dir Plus Ecc?	X Dir Minus Ecc?	Y Dir?	Y Dir Plus Ecc?	Y Dir Minus Ecc?	Ecc Ratio	Top Story	Bottom Story	Period Type	User T sec
sesmic - X	No	Yes	No	No	No	No	No	0.05	roof	plinth beam	User Defined	0.402
sesmic - Y	No	No	No	No	Yes	No	No	0.05	roof	plinth beam	User Defined	0.26

Table 3.2 - Load Pattern Definitions - Auto Seismic - IS 1893 2016 (Part 2 of 2)

Z	Site Type	I	R	Period Used sec	Coeff Used	Weight Used N	Base Shear kN
0.16	II	1.2	5	0.402	0.048	67618598.88	3245.69
0.16	II	1.2	5	0.26	0.048	67618598.88	3245.69

IS 1893:2016 Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern sesmic - X according to IS 1893:2016, as calculated by ETABS.

Direction and Eccentricity

Direction = X

Structural Period

Period Calculation Method = User Specified

User Period $T = 0.402$ sec

Factors and Coefficients

Seismic Zone Factor, Z [IS Table 3] $Z = 0.16$

$R = 5$

$I = 1.2$

Seismic Response

Spectral Acceleration Coefficient, S_a/g [IS 6.4.2] $\frac{S_a}{g} = 2.5$ $\frac{S_a}{g} = 2.5$

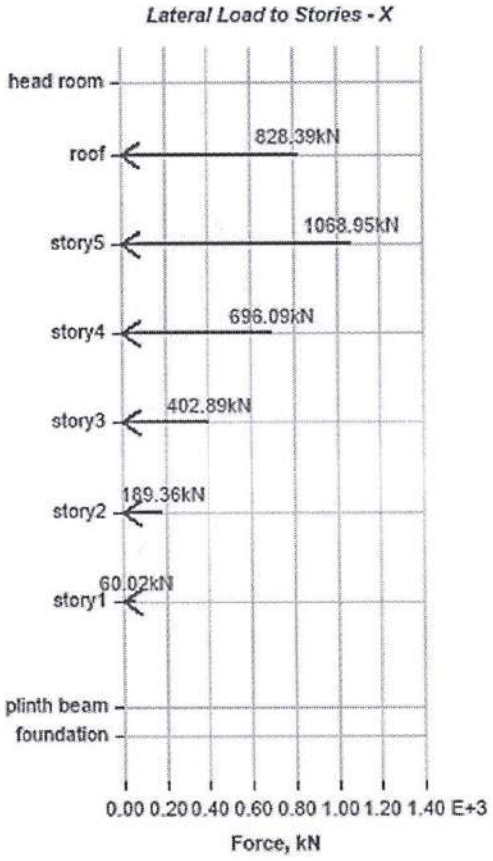
Equivalent Lateral Forces

Seismic Coefficient, A_h [IS 6.4.2] $A_h = \frac{ZI\frac{S_a}{g}}{2R}$

Calculated Base Shear

Direction	Period Used (sec)	W (N)	V_b (N)
X	0.402	67618598.88	3245692.75

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	kN	kN
head room	21.35	0	0
roof	18.85	828.39	0
story5	15.8	1068.95	0
story4	12.75	696.09	0
story3	9.7	402.89	0
story2	6.65	189.36	0
story1	3.6	60.02	0
plinth beam	0	0	0
foundation	-1	0	0

IS 1893:2016 Auto Seismic Load Calculation

This calculation presents the automatically generated lateral seismic loads for load pattern sesmic - Y according to IS 1893:2016, as calculated by ETABS.

Direction and Eccentricity

Direction = Y

Structural Period

Period Calculation Method = User Specified

User Period $T = 0.26$ sec

Factors and Coefficients

Seismic Zone Factor, Z [IS Table 3] $Z = 0.16$

$R = 5$

$I = 1.2$

Seismic Response

Spectral Acceleration Coefficient, S_a/g [IS 6.4.2] $\frac{S_a}{g} = 2.5$ $\frac{S_a}{g} = 2.5$

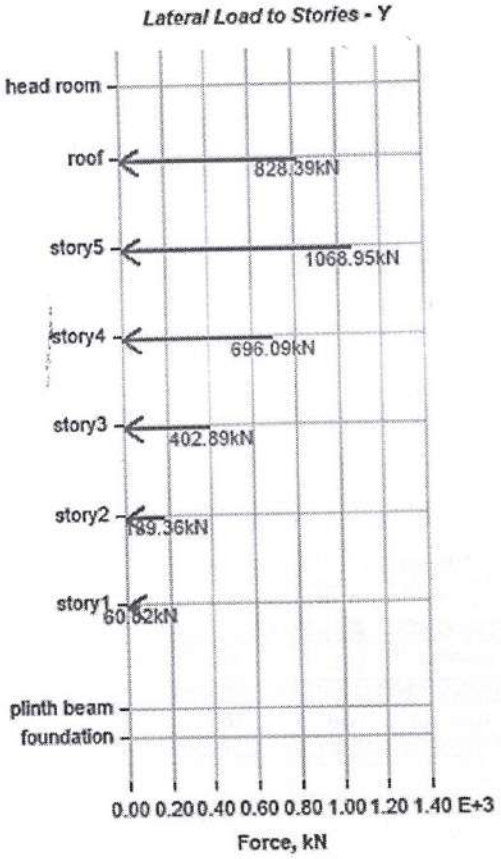
Equivalent Lateral Forces

Seismic Coefficient, A_h [IS 6.4.2] $A_h = \frac{ZI\frac{S_a}{g}}{2R}$

Calculated Base Shear

Direction	Period Used (sec)	W (N)	V_b (N)
Y	0.26	67618598.88	3245692.75

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	kN	kN
head room	21.35	0	0
roof	18.85	0	828.39
story5	15.8	0	1068.95
story4	12.75	0	696.09
story3	9.7	0	402.89
story2	6.65	0	189.36
story1	3.6	0	60.02
plinth beam	0	0	0
foundation	-1	0	0

3.3 Functions

3.3.1 Response Spectrum Functions

Table 3.5 - Functions - Response Spectrum - IS1893 2016

Name	Period sec	Value	Seismic Zone	I	Soil Type	R	Damping Ratio
RS	0	0.0192	III	1.2	II	5	0.05
RS	0.1	0.048					
RS	0.55	0.048					
RS	0.8	0.03264					
RS	1	0.026112					
RS	1.2	0.02176					
RS	1.4	0.018651					
RS	1.6	0.01632					
RS	1.8	0.014507					
RS	2	0.013056					
RS	2.5	0.010445					
RS	3	0.008704					
RS	3.5	0.007461					
RS	4	0.006528					
RS	4.5	0.006528					
RS	5	0.006528					
RS	5.5	0.006528					
RS	6	0.006528					
RS	6.5	0.006528					
RS	7	0.006528					
RS	7.5	0.006528					
RS	8	0.006528					
RS	8.5	0.006528					
RS	9	0.006528					
RS	9.5	0.006528					
RS	10	0.006528					

3.4 Load Combinations

Table 3.6 - Load Combination Definitions

Name	Type	Is Auto	Load Name	SF	Notes
0.9DL+RSX	Linear Add	No	Dead	0.9	
0.9DL+RSX			Floor finish	0.9	
0.9DL+RSX			sunken filling	0.9	
0.9DL+RSX			wall load	0.9	
0.9DL+RSX			RSX	1	
0.9DL+RSX			Dead	1	
0.9DL+RSY	Linear Add	No	Dead	0.9	
0.9DL+RSY			Floor finish	0.9	
0.9DL+RSY			sunken filling	0.9	
0.9DL+RSY			wall load	0.9	
0.9DL+RSY			RXY	1	
0.9DL+RSY			Dead	1	
0.9DL-RSX	Linear Add	No	Dead	0.9	
0.9DL-RSX			Floor finish	0.9	
0.9DL-RSX			sunken filling	0.9	
0.9DL-RSX			wall load	0.9	
0.9DL-RSX			RSX	-1	
0.9DL-RSX			Dead	1	
0.9DL-RSY	Linear Add	No	Dead	0.9	
0.9DL-RSY			Floor finish	0.9	

Name	Type	Is Auto	Load Name	SF	Notes
0.9DL-RSY			sunken filling	0.9	
0.9DL-RSY			wall load	0.9	
0.9DL-RSY			RXY	-1	
0.9DL-RSY			Dead	1	
1.2(DL+LL+EQX)	Linear Add	No	Dead	1.2	
1.2(DL+LL+EQX)			Live	1.2	
1.2(DL+LL+EQX)			Floor finish	1.2	
1.2(DL+LL+EQX)			sunken filling	1.2	
1.2(DL+LL+EQX)			wall load	1.2	
1.2(DL+LL+EQX)			sesmic - X	1.2	
1.2(DL+LL+EQY)	Linear Add	No	Dead	1.2	
1.2(DL+LL+EQY)			Live	1.2	
1.2(DL+LL+EQY)			Floor finish	1.2	
1.2(DL+LL+EQY)			sunken filling	1.2	
1.2(DL+LL+EQY)			wall load	1.2	
1.2(DL+LL+EQY)			sesmic - Y	1.2	
1.2(DL+LL+RSX)	Linear Add	No	Dead	1.2	
1.2(DL+LL+RSX)			Live	1.2	
1.2(DL+LL+RSX)			Floor finish	1.2	
1.2(DL+LL+RSX)			sunken filling	1.2	
1.2(DL+LL+RSX)			wall load	1.2	
1.2(DL+LL+RSX)			RSX	1.2	
1.2(DL+LL+RSY)	Linear Add	No	Dead	1.2	
1.2(DL+LL+RSY)			Live	1.2	
1.2(DL+LL+RSY)			Floor finish	1.2	
1.2(DL+LL+RSY)			sunken filling	1.2	
1.2(DL+LL+RSY)			wall load	1.2	
1.2(DL+LL+RSY)			RXY	1.2	
1.2(DL+LL-EQX)	Linear Add	No	Dead	1.2	
1.2(DL+LL-EQX)			Live	1.2	
1.2(DL+LL-EQX)			Floor finish	1.2	
1.2(DL+LL-EQX)			sunken filling	1.2	
1.2(DL+LL-EQX)			wall load	1.2	
1.2(DL+LL-EQX)			sesmic - X	-1.2	
1.2(DL+LL-	Linear Add	No	Dead	1.2	

Name	Type	Is Auto	Load Name	SF	Notes
EQY)					
1.2(DL+LL-EQY)			Live	1.2	
1.2(DL+LL-EQY)			Floor finish	1.2	
1.2(DL+LL-EQY)			sunken filling	1.2	
1.2(DL+LL-EQY)			wall load	1.2	
1.2(DL+LL-EQY)			sesmic - Y	1.2	
1.2(DL+LL-RSX)	Linear Add	No	Dead	1.2	
1.2(DL+LL-RSX)			Live	1.2	
1.2(DL+LL-RSX)			Floor finish	1.2	
1.2(DL+LL-RSX)			sunken filling	1.2	
1.2(DL+LL-RSX)			wall load	1.2	
1.2(DL+LL-RSX)			RSX	1.2	
1.2(DL+LL-RSY)	Linear Add	No	Dead	1.2	
1.2(DL+LL-RSY)			Live	1.2	
1.2(DL+LL-RSY)			Floor finish	1.2	
1.2(DL+LL-RSY)			sunken filling	1.2	
1.2(DL+LL-RSY)			wall load	1.2	
1.2(DL+LL-RSY)			RXY	1.2	
1.5(DL+EQX)	Linear Add	No	Dead	1.5	
1.5(DL+EQX)			Floor finish	1.5	
1.5(DL+EQX)			sunken filling	1.5	
1.5(DL+EQX)			wall load	1.5	
1.5(DL+EQX)			sesmic - X	1.5	
1.5(DL+EQY)	Linear Add	No	Dead	1.5	
1.5(DL+EQY)			Floor finish	1.5	
1.5(DL+EQY)			sunken filling	1.5	
1.5(DL+EQY)			wall load	1.5	
1.5(DL+EQY)			sesmic - Y	1.5	
1.5(DL+LL)	Linear Add	No	Dead	1.5	
1.5(DL+LL)			Live	1.5	
1.5(DL+LL)			Floor finish	1.5	
1.5(DL+LL)			sunken filling	1.5	
1.5(DL+LL)			wall load	1.5	
1.5(DL+RSX)	Linear Add	No	Dead	1.5	
1.5(DL+RSX)			Floor finish	1.5	
1.5(DL+RSX)			sunken filling	1.5	
1.5(DL+RSX)			wall load	1.5	
1.5(DL+RSX)			RSX	1.5	
1.5(DL+RSY)	Linear Add	No	Dead	1.5	
1.5(DL+RSY)			Floor finish	1.5	
1.5(DL+RSY)			sunken filling	1.5	
1.5(DL+RSY)			wall load	1.5	
1.5(DL+RSY)			RXY	1.5	
1.5(DL+EQX)	Linear Add	No	Dead	1.5	

Name	Type	Is Auto	Load Name	SF	Notes
1.5(DL-EQX)			Floor finish	1.5	
1.5(DL-EQX)			sunken filling	1.5	
1.5(DL-EQX)			wall load	1.5	
1.5(DL-EQX)			sesmic - X	-1.5	
1.5(DL-EQY)	Linear Add	No	Dead	1.5	
1.5(DL-EQY)			Floor finish	1.5	
1.5(DL-EQY)			sunken filling	1.5	
1.5(DL-EQY)			wall load	1.5	
1.5(DL-EQY)			sesmic - Y	-1.5	
1.5(DL-RSX)	Linear Add	No	Dead	1.5	
1.5(DL-RSX)			Floor finish	1.5	
1.5(DL-RSX)			sunken filling	1.5	
1.5(DL-RSX)			wall load	1.5	
1.5(DL-RSX)			RSX	-1.5	
1.5(DL-RSY)	Linear Add	No	Dead	1.5	
1.5(DL-RSY)			Floor finish	1.5	
1.5(DL-RSY)			sunken filling	1.5	
1.5(DL-RSY)			wall load	1.5	
1.5(DL-RSY)			RXY	-1.5	
09DL+EQX	Linear Add	No	Dead	0.9	
09DL+EQX			Floor finish	0.9	
09DL+EQX			sunken filling	0.9	
09DL+EQX			wall load	0.9	
09DL+EQX			sesmic - X	1	
09DL+EQY	Linear Add	No	Dead	0.9	
09DL+EQY			Floor finish	0.9	
09DL+EQY			sunken filling	0.9	
09DL+EQY			wall load	0.9	
09DL+EQY			sesmic - Y	1	
09DL+EQY			Dead	1	
09DL-EQX	Linear Add	No	Dead	0.9	
09DL-EQX			Floor finish	0.9	
09DL-EQX			sunken filling	0.9	
09DL-EQX			wall load	0.9	
09DL-EQX			sesmic - X	-1	
09DL-EQX			Dead	1	
09DL-EQY	Linear Add	No	Dead	0.9	
09DL-EQY			Floor finish	0.9	
09DL-EQY			sunken filling	0.9	
09DL-EQY			wall load	0.9	
09DL-EQY			sesmic - Y	-1	
09DL-EQY			Dead	1	
(DL+LL)	Linear Add	No	Dead	1	
(DL+LL)			Live	1	
(DL+LL)			Floor finish	1	
(DL+LL)			sunken filling	1	
(DL+LL)			wall load	1	
DL+0.8LL-0.8EQX	Linear Add	No	Dead	1	
DL+0.8LL-0.8EQX			Floor finish	1	
DL+0.8LL-0.8EQX			sunken filling	1	
DL+0.8LL-0.8EQX			wall load	1	
DL+0.8LL-0.8EQX			Live	0.8	
DL+0.8LL-			sesmic - X	-0.8	

Name	Type	Is Auto	Load Name	SF	Notes
0.8EQX					
DL+0.8LL-0.8EQY	Linear Add	No	Dead	1	
DL+0.8LL-0.8EQY			Floor finish	1	
DL+0.8LL-0.8EQY			sunken filling	1	
DL+0.8LL-0.8EQY			wall load	1	
DL+0.8LL-0.8EQY			Live	0.8	
DL+0.8LL-0.8EQY			sesmic - Y	-0.8	
DL+0.8LL-0.8RSX	Linear Add	No	Dead	1	
DL+0.8LL-0.8RSX			Floor finish	1	
DL+0.8LL-0.8RSX			sunken filling	1	
DL+0.8LL-0.8RSX			wall load	1	
DL+0.8LL-0.8RSX			Live	0.8	
DL+0.8LL-0.8RSX			RSX	-0.8	
DL+0.8LL-0.8RSY	Linear Add	No	Dead	1	
DL+0.8LL-0.8RSY			Floor finish	1	
DL+0.8LL-0.8RSY			sunken filling	1	
DL+0.8LL-0.8RSY			wall load	1	
DL+0.8LL-0.8RSY			Live	0.8	
DL+0.8LL-0.8RSY			RXY	-0.8	
DL+0.8LL+0.8EQX	Linear Add	No	Dead	1	
DL+0.8LL+0.8EQX			Floor finish	1	
DL+0.8LL+0.8EQX			sunken filling	1	
DL+0.8LL+0.8EQX			wall load	1	
DL+0.8LL+0.8EQX			Live	0.8	
DL+0.8LL+0.8EQX			sesmic - X	0.8	
DL+0.8LL+0.8EQY	Linear Add	No	Dead	1	
DL+0.8LL+0.8EQY			Floor finish	1	
DL+0.8LL+0.8EQY			sunken filling	1	
DL+0.8LL+0.8EQY			wall load	1	
DL+0.8LL+0.8EQY			Live	0.8	
DL+0.8LL+0.8EQY			sesmic - Y	0.8	
DL+0.8LL+0.8RSX	Linear Add	No	Dead	1	
DL+0.8LL+0.8RSX			Floor finish	1	

Loads

Name	Type	Is Auto	Load Name	SF	Notes
DL+0.8LL+0.8 RSX			sunken filling	1	
DL+0.8LL+0.8 RSX			wall load	1	
DL+0.8LL+0.8 RSX			Live	0.8	
DL+0.8LL+0.8 RSX			sesmic - Y	0.8	
DL+0.8LL+0.8 RSY	Linear Add	No	Dead	1	
DL+0.8LL+0.8 RSY			Floor finish	1	
DL+0.8LL+0.8 RSY			sunken filling	1	
DL+0.8LL+0.8 RSY			wall load	1	
DL+0.8LL+0.8 RSY			Live	0.8	
DL+0.8LL+0.8 RSY			RXY	0.8	
DL+EQX	Linear Add	No	Dead	1	
DL+EQX			Floor finish	1	
DL+EQX			sunken filling	1	
DL+EQX			wall load	1	
DL+EQX			sesmic - X	1	
DL+EQY	Linear Add	No	Dead	1	
DL+EQY			Floor finish	1	
DL+EQY			sunken filling	1	
DL+EQY			wall load	1	
DL+EQY			sesmic - Y	1	
DL+RSX	Linear Add	No	Dead	1	
DL+RSX			Floor finish	1	
DL+RSX			sunken filling	1	
DL+RSX			wall load	1	
DL+RSX			RSX	1	
DL+RSY	Linear Add	No	Dead	1	
DL+RSY			Floor finish	1	
DL+RSY			sunken filling	1	
DL+RSY			wall load	1	
DL+RSY			RXY	1	
DL-EQX	Linear Add	No	Dead	1	
DL-EQX			Floor finish	1	
DL-EQX			sunken filling	1	
DL-EQX			wall load	1	
DL-EQX			sesmic - X	-1	
DL-EQY	Linear Add	No	Dead	1	
DL-EQY			Floor finish	1	
DL-EQY			sunken filling	1	
DL-EQY			wall load	1	
DL-EQY			sesmic - Y	-1	
DL-RSX	Linear Add	No	Dead	1	
DL-RSX			Floor finish	1	
DL-RSX			sunken filling	1	
DL-RSX			wall load	1	
DL-RSX			RSX	-1	
DL-RSY	Linear Add	No	Dead	1	
DL-RSY			Floor finish	1	
DL-RSY			sunken filling	1	
DL-RSY			wall load	1	

Name	Type	Is Auto	Load Name	SF	Notes
DL-RSY			RXY	-1	
seismic weight	Linear Add	No	Dead	1	
seismic weight			Live	0.25	
seismic weight			Floor finish	1	
seismic weight			wall load	1	
seismic weight			sunken filling	1	
ultimate envelope	Envelope	No	1.2(DL+LL+EQX)	1	
ultimate envelope			1.2(DL+LL-EQX)	1	
ultimate envelope			1.2(DL+LL+RSX)	1	
ultimate envelope			1.2(DL+LL-RSX)	1	
ultimate envelope			1.2(DL+LL+EQY)	1	
ultimate envelope			1.2(DL+LL-EQY)	1	
ultimate envelope			1.2(DL+LL+RSY)	1	
ultimate envelope			1.2(DL+LL-RSY)	1	
ultimate envelope			1.5(DL+EQX)	1	
ultimate envelope			1.5(DL+EQY)	1	
ultimate envelope			1.5(DL+RSX)	1	
ultimate envelope			1.5(DL+RSY)	1	
ultimate envelope			1.5(DL-EQX)	1	
ultimate envelope			1.5(DL-EQY)	1	
ultimate envelope			1.5(DL-RSX)	1	
ultimate envelope			1.5(DL-RSY)	1	
ultimate envelope			1.5(DL+LL)	1	
ultimate envelope			09DL+EQX	1	
ultimate envelope			09DL-EQX	1	
ultimate envelope			0.9DL+RSX	1	
ultimate envelope			0.9DL-RSX	1	
ultimate envelope			09DL+EQY	1	
ultimate envelope			09DL-EQY	1	
ultimate envelope			0.9DL+RSY	1	
ultimate envelope			0.9DL-RSY	1	

4 Analysis Results

This chapter provides analysis results.

4.1 Story Results

Table 4.1 - Story Forces

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
head room	Dead	LinStatic		Top	167.04	0	0	0	3021.23	-926.35
head room	Dead	LinStatic		Bottom	227.39	0	0	0	4142	-1261.8
head room	Live	LinStatic		Top	727.51	0	0	0	13147.56	-4036.64
head room	Live	LinStatic		Bottom	727.51	0	0	0	13147.56	-4036.64
head room	Floor finish	LinStatic		Top	72.75	0	0	0	1314.76	-403.66
head room	Floor finish	LinStatic		Bottom	72.75	0	0	0	1314.76	-403.66
head room	sunken filling	LinStatic		Top	0	0	0	0	0	0
head room	sunken filling	LinStatic		Bottom	0	0	0	0	0	0
head room	wall load	LinStatic		Top	314.32	0	0	0	5741.28	-1767.8
head room	wall load	LinStatic		Bottom	314.32	0	0	0	5741.28	-1767.8
head room	sesmic - X	LinStatic		Top	0	0	0	0	0	0
head room	sesmic - X	LinStatic		Bottom	0	0	0	0	0	0
head room	sesmic - Y	LinStatic		Top	0	0	0	0	0	0
head room	sesmic - Y	LinStatic		Bottom	0	0	0	0	0	0
head room	RSX	LinRespSpec	Max	Top	0	60.9	21.23	1111.75	0	0
head room	RSX	LinRespSpec	Max	Bottom	0	60.9	21.23	1111.75	53.08	152.24
head room	RXY	LinRespSpec	Max	Top	0	13.12	80.17	468.74	0	0
head room	RXY	LinRespSpec	Max	Bottom	0	13.12	80.17	468.74	200.42	32.79
head room	roof live	LinStatic		Top	0	0	0	0	0	0
head room	roof live	LinStatic		Bottom	0	0	0	0	0	0
head room	(DL+LL)	Combination		Top	1281.62	0	0	0	23224.83	-7134.45
head room	(DL+LL)	Combination		Bottom	1341.98	0	0	0	24345.6	-7469.91
head room	09DL+EQX	Combination		Top	498.7	0	0	0	9069.54	-2788.03
head room	09DL+EQX	Combination		Bottom	553.02	0	0	0	10078.24	-3089.94
head room	09DL-EQX	Combination		Top	665.74	0	0	0	12090.77	-3714.37
head room	09DL-EQX	Combination		Bottom	780.42	0	0	0	14220.23	-4351.74
head room	0.9DL+RSX	Combination	Max	Top	665.74	60.9	21.23	1111.75	12090.77	-3714.37
head room	0.9DL+RSX	Combination	Max	Bottom	780.42	60.9	21.23	1111.75	14273.31	-4199.5
head room	0.9DL+RSX	Combination	Min	Top	665.74	-60.9	-21.23	-1111.75	12090.77	-3714.37
head room	0.9DL+RSX	Combination	Min	Bottom	780.42	-60.9	-21.23	-1111.75	14167.16	-4503.98
head room	0.9DL-RSX	Combination	Max	Top	665.74	60.9	21.23	1111.75	12090.77	-3714.37
head room	0.9DL-RSX	Combination	Max	Bottom	780.42	60.9	21.23	1111.75	14273.31	-4199.5
head room	0.9DL-RSX	Combination	Min	Top	665.74	-60.9	-21.23	-1111.75	12090.77	-3714.37
head room	0.9DL-RSX	Combination	Min	Bottom	780.42	-60.9	-21.23	-1111.75	14167.16	-4503.98
head room	09DL-EQY	Combination		Top	665.74	0	0	0	12090.77	-3714.37
head room	09DL-EQY	Combination		Bottom	780.42	0	0	0	14220.23	-4351.74
head room	09DL+EQY	Combination		Top	665.74	0	0	0	12090.77	-3714.37
head room	09DL+EQY	Combination		Bottom	780.42	0	0	0	14220.23	-4351.74
head room	0.9DL+RSY	Combination	Max	Top	665.74	13.12	80.17	468.74	12090.77	-3714.37
head room	0.9DL+RSY	Combination	Max	Bottom	780.42	13.12	80.17	468.74	14420.66	-4318.95
head room	0.9DL+RSY	Combination	Min	Top	665.74	-13.12	-80.17	-468.74	12090.77	-3714.37
head room	0.9DL+RSY	Combination	Min	Bottom	780.42	-13.12	-80.17	-468.74	14019.81	-4384.53
head room	0.9DL-RSY	Combination	Max	Top	665.74	13.12	80.17	468.74	12090.77	-3714.37
head room	0.9DL-RSY	Combination	Max	Bottom	780.42	13.12	80.17	468.74	14420.66	-4318.95
head room	0.9DL-RSY	Combination	Min	Top	665.74	-13.12	-80.17	-468.74	12090.77	-3714.37

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
head room	0.9DL-RSY	Combination	Min	Bottom	780.42	-13.12	-80.17	-468.74	14019.81	-4384.53
head room	1.2(DL+LL+EQX)	Combination		Top	1537.95	0	0	0	27869.79	-8561.34
head room	1.2(DL+LL+EQX)	Combination		Bottom	1610.38	0	0	0	29214.72	-8963.89
head room	1.2(DL+LL-EQX)	Combination		Top	1537.95	0	0	0	27869.79	-8561.34
head room	1.2(DL+LL-EQX)	Combination		Bottom	1610.38	0	0	0	29214.72	-8963.89
head room	1.2(DL+LL+RSX)	Combination	Max	Top	1537.95	73.08	25.48	1334.1	27869.79	-8561.34
head room	1.2(DL+LL+RSX)	Combination	Max	Bottom	1610.38	73.08	25.48	1334.1	29278.41	-8781.2
head room	1.2(DL+LL+RSX)	Combination	Min	Top	1537.95	-73.08	-25.48	-1334.1	27869.79	-8561.34
head room	1.2(DL+LL+RSX)	Combination	Min	Bottom	1610.38	-73.08	-25.48	-1334.1	29151.03	-9146.58
head room	1.2(DL+LL-RSX)	Combination	Max	Top	1537.95	73.08	25.48	1334.1	27869.79	-8561.34
head room	1.2(DL+LL-RSX)	Combination	Max	Bottom	1610.38	73.08	25.48	1334.1	29278.41	-8781.2
head room	1.2(DL+LL-RSX)	Combination	Min	Top	1537.95	-73.08	-25.48	-1334.1	27869.79	-8561.34
head room	1.2(DL+LL-RSX)	Combination	Min	Bottom	1610.38	-73.08	-25.48	-1334.1	29151.03	-9146.58
head room	1.2(DL+LL+EQY)	Combination		Top	1537.95	0	0	0	27869.79	-8561.34
head room	1.2(DL+LL+EQY)	Combination		Bottom	1610.38	0	0	0	29214.72	-8963.89
head room	1.2(DL+LL-EQY)	Combination		Top	1537.95	0	0	0	27869.79	-8561.34
head room	1.2(DL+LL-EQY)	Combination		Bottom	1610.38	0	0	0	29214.72	-8963.89
head room	1.2(DL+LL+RSY)	Combination	Max	Top	1537.95	15.74	96.2	562.49	27869.79	-8561.34
head room	1.2(DL+LL+RSY)	Combination	Max	Bottom	1610.38	15.74	96.2	562.49	29455.23	-8924.54
head room	1.2(DL+LL+RSY)	Combination	Min	Top	1537.95	-15.74	-96.2	-562.49	27869.79	-8561.34
head room	1.2(DL+LL+RSY)	Combination	Min	Bottom	1610.38	-15.74	-96.2	-562.49	28974.21	-9003.24
head room	1.2(DL+LL-RSY)	Combination	Max	Top	1537.95	15.74	96.2	562.49	27869.79	-8561.34
head room	1.2(DL+LL-RSY)	Combination	Max	Bottom	1610.38	15.74	96.2	562.49	29455.23	-8924.54
head room	1.2(DL+LL-RSY)	Combination	Min	Top	1537.95	-15.74	-96.2	-562.49	27869.79	-8561.34
head room	1.2(DL+LL-RSY)	Combination	Min	Bottom	1610.38	-15.74	-96.2	-562.49	28974.21	-9003.24
head room	1.5(DL+EQX)	Combination		Top	831.17	0	0	0	15115.9	-4646.71
head room	1.5(DL+EQX)	Combination		Bottom	921.7	0	0	0	16797.06	-5149.9
head room	1.5(DL+EQY)	Combination		Top	831.17	0	0	0	15115.9	-4646.71
head room	1.5(DL+EQY)	Combination		Bottom	921.7	0	0	0	16797.06	-5149.9
head room	1.5(DL+RSX)	Combination	Max	Top	831.17	91.34	31.85	1667.63	15115.9	-4646.71
head room	1.5(DL+RSX)	Combination	Max	Bottom	921.7	91.34	31.85	1667.63	16876.67	-4921.54
head room	1.5(DL+RSX)	Combination	Min	Top	831.17	-91.34	-31.85	-1667.63	15115.9	-4646.71
head room	1.5(DL+RSX)	Combination	Min	Bottom	921.7	-91.34	-31.85	-1667.63	16717.44	-5378.26
head room	1.5(DL+RSY)	Combination	Max	Top	831.17	19.68	120.25	703.11	15115.9	-4646.71
head room	1.5(DL+RSY)	Combination	Max	Bottom	921.7	19.68	120.25	703.11	17097.69	-5100.71
head room	1.5(DL+RSY)	Combination	Min	Top	831.17	-19.68	-120.25	-703.11	15115.9	-4646.71
head room	1.5(DL+RSY)	Combination	Min	Bottom	921.7	-19.68	-120.25	-703.11	16496.42	-5199.09

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
head room	1.5(DL-EQX)	Combination		Top	831.17	0	0	0	15115.9	-4646.71
head room	1.5(DL-EQX)	Combination		Bottom	921.7	0	0	0	16797.06	-5149.9
head room	1.5(DL-EQY)	Combination		Top	831.17	0	0	0	15115.9	-4646.71
head room	1.5(DL-EQY)	Combination		Bottom	921.7	0	0	0	16797.06	-5149.9
head room	1.5(DL-RSX)	Combination	Max	Top	831.17	91.34	31.85	1667.63	15115.9	-4646.71
head room	1.5(DL-RSX)	Combination	Max	Bottom	921.7	91.34	31.85	1667.63	16876.67	-4921.54
head room	1.5(DL-RSX)	Combination	Min	Top	831.17	-91.34	-31.85	-1667.63	15115.9	-4646.71
head room	1.5(DL-RSX)	Combination	Min	Bottom	921.7	-91.34	-31.85	-1667.63	16717.44	-5378.26
head room	1.5(DL-RSY)	Combination	Max	Top	831.17	19.68	120.25	703.11	15115.9	-4646.71
head room	1.5(DL-RSY)	Combination	Max	Bottom	921.7	19.68	120.25	703.11	17097.69	-5100.71
head room	1.5(DL-RSY)	Combination	Min	Top	831.17	-19.68	-120.25	-703.11	15115.9	-4646.71
head room	1.5(DL-RSY)	Combination	Min	Bottom	921.7	-19.68	-120.25	-703.11	16496.42	-5199.09
head room	DL+0.8LL+0.8 EQX	Combination		Top	1136.12	0	0	0	20595.32	-6327.12
head room	DL+0.8LL+0.8 EQX	Combination		Bottom	1196.48	0	0	0	21716.09	-6662.58
head room	DL+0.8LL+0.8 EQY	Combination		Top	1136.12	0	0	0	20595.32	-6327.12
head room	DL+0.8LL+0.8 EQY	Combination		Bottom	1196.48	0	0	0	21716.09	-6662.58
head room	DL+0.8LL+0.8 RSX	Combination		Top	1136.12	0	0	0	20595.32	-6327.12
head room	DL+0.8LL+0.8 RSX	Combination		Bottom	1196.48	0	0	0	21716.09	-6662.58
head room	DL+0.8LL-0.8EQX	Combination		Top	1136.12	0	0	0	20595.32	-6327.12
head room	DL+0.8LL-0.8EQX	Combination		Bottom	1196.48	0	0	0	21716.09	-6662.58
head room	DL+0.8LL-0.8EQY	Combination		Top	1136.12	0	0	0	20595.32	-6327.12
head room	DL+0.8LL-0.8EQY	Combination		Bottom	1196.48	0	0	0	21716.09	-6662.58
head room	DL+0.8LL-0.8RSX	Combination	Max	Top	1136.12	48.72	16.98	889.4	20595.32	-6327.12
head room	DL+0.8LL-0.8RSX	Combination	Max	Bottom	1196.48	48.72	16.98	889.4	21758.55	-6540.79
head room	DL+0.8LL-0.8RSX	Combination	Min	Top	1136.12	-48.72	-16.98	-889.4	20595.32	-6327.12
head room	DL+0.8LL-0.8RSX	Combination	Min	Bottom	1196.48	-48.72	-16.98	-889.4	21673.63	-6784.37
head room	DL+0.8LL+0.8 RSY	Combination	Max	Top	1136.12	10.49	64.14	374.99	20595.32	-6327.12
head room	DL+0.8LL+0.8 RSY	Combination	Max	Bottom	1196.48	10.49	64.14	374.99	21876.43	-6636.35
head room	DL+0.8LL+0.8 RSY	Combination	Min	Top	1136.12	-10.49	-64.14	-374.99	20595.32	-6327.12
head room	DL+0.8LL+0.8 RSY	Combination	Min	Bottom	1196.48	-10.49	-64.14	-374.99	21555.75	-6688.81
head room	DL+0.8LL-0.8RSY	Combination	Max	Top	1136.12	10.49	64.14	374.99	20595.32	-6327.12
head room	DL+0.8LL-0.8RSY	Combination	Max	Bottom	1196.48	10.49	64.14	374.99	21876.43	-6636.35
head room	DL+0.8LL-0.8RSY	Combination	Min	Top	1136.12	-10.49	-64.14	-374.99	20595.32	-6327.12
head room	DL+0.8LL-0.8RSY	Combination	Min	Bottom	1196.48	-10.49	-64.14	-374.99	21555.75	-6688.81
head room	DL+EQX	Combination		Top	554.11	0	0	0	10077.27	-3097.81
head room	DL+EQX	Combination		Bottom	614.47	0	0	0	11198.04	-3433.27
head room	DL+EQY	Combination		Top	554.11	0	0	0	10077.27	-3097.81
head room	DL+EQY	Combination		Bottom	614.47	0	0	0	11198.04	-3433.27
head room	DL+RSX	Combination	Max	Top	554.11	60.9	21.23	1111.75	10077.27	-3097.81

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
head room	DL+RSX	Combination	Max	Bottom	614.47	60.9	21.23	1111.75	11251.12	-3281.02
head room	DL+RSX	Combination	Min	Top	554.11	-60.9	-21.23	-1111.75	10077.27	-3097.81
head room	DL+RSX	Combination	Min	Bottom	614.47	-60.9	-21.23	-1111.75	11144.96	-3585.51
head room	DL+RSY	Combination	Max	Top	554.11	13.12	80.17	468.74	10077.27	-3097.81
head room	DL+RSY	Combination	Max	Bottom	614.47	13.12	80.17	468.74	11398.46	-3400.47
head room	DL+RSY	Combination	Min	Top	554.11	-13.12	-80.17	-468.74	10077.27	-3097.81
head room	DL+RSY	Combination	Min	Bottom	614.47	-13.12	-80.17	-468.74	10997.62	-3466.06
head room	DL-EQX	Combination		Top	554.11	0	0	0	10077.27	-3097.81
head room	DL-EQX	Combination		Bottom	614.47	0	0	0	11198.04	-3433.27
head room	DL-EQY	Combination		Top	554.11	0	0	0	10077.27	-3097.81
head room	DL-EQY	Combination		Bottom	614.47	0	0	0	11198.04	-3433.27
head room	DL-RSX	Combination	Max	Top	554.11	60.9	21.23	1111.75	10077.27	-3097.81
head room	DL-RSX	Combination	Max	Bottom	614.47	60.9	21.23	1111.75	11251.12	-3281.02
head room	DL-RSX	Combination	Min	Top	554.11	-60.9	-21.23	-1111.75	10077.27	-3097.81
head room	DL-RSX	Combination	Min	Bottom	614.47	-60.9	-21.23	-1111.75	11144.96	-3585.51
head room	DL-RSY	Combination	Max	Top	554.11	13.12	80.17	468.74	10077.27	-3097.81
head room	DL-RSY	Combination	Max	Bottom	614.47	13.12	80.17	468.74	11398.46	-3400.47
head room	DL-RSY	Combination	Min	Top	554.11	-13.12	-80.17	-468.74	10077.27	-3097.81
head room	DL-RSY	Combination	Min	Bottom	614.47	-13.12	-80.17	-468.74	10997.62	-3466.06
head room	1.5(DL+LL)	Combination		Top	1922.43	0	0	0	34837.24	-10701.68
head room	1.5(DL+LL)	Combination		Bottom	2012.97	0	0	0	36518.4	-11204.86
head room	ultimate envelope	Combination	Max	Top	1922.43	91.34	120.25	1667.63	34837.24	-2788.03
head room	ultimate envelope	Combination	Max	Bottom	2012.97	91.34	120.25	1667.63	36518.4	-3089.94
head room	ultimate envelope	Combination	Min	Top	498.7	-91.34	-120.25	-1667.63	9069.54	-10701.68
head room	ultimate envelope	Combination	Min	Bottom	553.02	-91.34	-120.25	-1667.63	10078.24	-11204.86
head room	seismic weight	Combination		Top	735.99	0	0	0	13364.16	-4106.97
head room	seismic weight	Combination		Bottom	796.35	0	0	0	14484.93	-4442.43
roof	Dead	LinStatic		Top	3512.44	0	0	0	72194.87	-32604.83
roof	Dead	LinStatic		Bottom	4337.45	0	0	0	89135.85	-40327.27
roof	Live	LinStatic		Top	727.51	0	0	0	13147.56	-4036.64
roof	Live	LinStatic		Bottom	727.51	0	0	0	13147.56	-4036.64
roof	Floor finish	LinStatic		Top	1703.68	0	0	0	35148.23	-16100.21
roof	Floor finish	LinStatic		Bottom	1703.68	0	0	0	35148.23	-16100.21
roof	sunken filling	LinStatic		Top	0	0	0	0	0	0
roof	sunken filling	LinStatic		Bottom	0	0	0	0	0	0
roof	wall load	LinStatic		Top	1499.58	0	0	0	28632.18	-12867.42
roof	wall load	LinStatic		Bottom	1499.58	0	0	0	28632.18	-12867.42
roof	sesmic - X	LinStatic		Top	0	-828.39	0	16938.67	0	0
roof	sesmic - X	LinStatic		Bottom	0	-828.39	0	16938.67	0	-2526.58
roof	sesmic - Y	LinStatic		Top	0	0	-828.39	-7870.06	0	0
roof	sesmic - Y	LinStatic		Bottom	0	0	-828.39	-7870.06	2526.58	0
roof	RSX	LinRespSpec	Max	Top	0	521.05	93.61	11250.68	53.08	152.24
roof	RSX	LinRespSpec	Max	Bottom	0	521.05	93.61	11250.68	335.05	1737.52
roof	RXY	LinRespSpec	Max	Top	0	75.87	624.77	6863.56	200.42	32.79
roof	RXY	LinRespSpec	Max	Bottom	0	75.87	624.77	6863.56	2091.06	262.38
roof	roof live	LinStatic		Top	1304.75	0	0	0	27066.78	-12557.23
roof	roof live	LinStatic		Bottom	1304.75	0	0	0	27066.78	-12557.23

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
roof	(DL+LL)	Combination		Top	7443.21	0	0	0	149122.83	-65609.1
roof	(DL+LL)	Combination		Bottom	8268.22	0	0	0	166063.82	-73331.53
roof	09DL+EQX	Combination		Top	6044.13	-828.39	0	16938.67	122377.74	-55415.21
roof	09DL+EQX	Combination		Bottom	6786.64	-828.39	0	16938.67	137624.63	-64891.98
roof	09DL-EQX	Combination		Top	9556.57	828.39	0	-16938.67	194572.61	-88020.04
roof	09DL-EQX	Combination		Bottom	11124.1	828.39	0	-16938.67	226760.49	-100166.09
roof	0.9DL+RSX	Combination	Max	Top	9556.57	521.05	93.61	11250.68	194625.69	-87867.8
roof	0.9DL+RSX	Combination	Max	Bottom	11124.1	521.05	93.61	11250.68	227095.54	-100955.15
roof	0.9DL+RSX	Combination	Min	Top	9556.57	-521.05	-93.61	-11250.68	194519.53	-88172.28
roof	0.9DL+RSX	Combination	Min	Bottom	11124.1	-521.05	-93.61	-11250.68	226425.44	-104430.19
roof	0.9DL-RSX	Combination	Max	Top	9556.57	521.05	93.61	11250.68	194625.69	-87867.8
roof	0.9DL-RSX	Combination	Max	Bottom	11124.1	521.05	93.61	11250.68	227095.54	-100955.15
roof	0.9DL-RSX	Combination	Min	Top	9556.57	-521.05	-93.61	-11250.68	194519.53	-88172.28
roof	0.9DL-RSX	Combination	Min	Bottom	11124.1	-521.05	-93.61	-11250.68	226425.44	-104430.19
roof	09DL-EQY	Combination		Top	9556.57	0	828.39	7870.06	194572.61	-88020.04
roof	09DL-EQY	Combination		Bottom	11124.1	0	828.39	7870.06	224233.9	-102692.67
roof	09DL+EQY	Combination		Top	9556.57	0	-828.39	-7870.06	194572.61	-88020.04
roof	09DL+EQY	Combination		Bottom	11124.1	0	-828.39	-7870.06	229287.07	-102692.67
roof	0.9DL+RSY	Combination	Max	Top	9556.57	75.87	624.77	6863.56	194773.03	-87987.25
roof	0.9DL+RSY	Combination	Max	Bottom	11124.1	75.87	624.77	6863.56	228851.54	-102430.29
roof	0.9DL+RSY	Combination	Min	Top	9556.57	-75.87	-624.77	-6863.56	194372.19	-88052.83
roof	0.9DL+RSY	Combination	Min	Bottom	11124.1	-75.87	-624.77	-6863.56	224669.43	-102955.05
roof	0.9DL-RSY	Combination	Max	Top	9556.57	75.87	624.77	6863.56	194773.03	-87987.25
roof	0.9DL-RSY	Combination	Max	Bottom	11124.1	75.87	624.77	6863.56	228851.54	-102430.29
roof	0.9DL-RSY	Combination	Min	Top	9556.57	-75.87	-624.77	-6863.56	194372.19	-88052.83
roof	0.9DL-RSY	Combination	Min	Bottom	11124.1	-75.87	-624.77	-6863.56	224669.43	-102955.05
roof	1.2(DL+LL+EQX)	Combination		Top	8931.85	-994.07	0	20326.4	178947.4	-78730.92
roof	1.2(DL+LL+EQX)	Combination		Bottom	9921.87	-994.07	0	20326.4	199276.58	-91029.74
roof	1.2(DL+LL-EQX)	Combination		Top	8931.85	994.07	0	-20326.4	178947.4	-78730.92
roof	1.2(DL+LL-EQX)	Combination		Bottom	9921.87	994.07	0	-20326.4	199276.58	-84965.94
roof	1.2(DL+LL+RSX)	Combination	Max	Top	8931.85	625.26	112.34	13500.81	179011.09	-78548.23
roof	1.2(DL+LL+RSX)	Combination	Max	Bottom	9921.87	625.26	112.34	13500.81	199678.64	-85912.81
roof	1.2(DL+LL+RSX)	Combination	Min	Top	8931.85	-625.26	-112.34	-13500.81	178883.71	-78913.61
roof	1.2(DL+LL+RSX)	Combination	Min	Bottom	9921.87	-625.26	-112.34	-13500.81	198874.52	-90082.87
roof	1.2(DL+LL-RSX)	Combination	Max	Top	8931.85	625.26	112.34	13500.81	179011.09	-78548.23
roof	1.2(DL+LL-RSX)	Combination	Max	Bottom	9921.87	625.26	112.34	13500.81	199678.64	-85912.81
roof	1.2(DL+LL-RSX)	Combination	Min	Top	8931.85	-625.26	-112.34	-13500.81	178883.71	-78913.61
roof	1.2(DL+LL-RSX)	Combination	Min	Bottom	9921.87	-625.26	-112.34	-13500.81	198874.52	-90082.87
roof	1.2(DL+LL+EQY)	Combination		Top	8931.85	0	-994.07	-9444.07	178947.4	-78730.92
roof	1.2(DL+LL+EQY)	Combination		Bottom	9921.87	0	-994.07	-9444.07	202308.48	-87997.84
roof	1.2(DL+LL-EQY)	Combination		Top	8931.85	0	994.07	9444.07	178947.4	-78730.92
roof	1.2(DL+LL-EQY)	Combination		Bottom	9921.87	0	994.07	9444.07	196244.68	-87997.84
roof	1.2(DL+LL+R	Combination	Max	Top	8931.85	91.04	749.73	8236.27	179187.91	-78691.57

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
	SY)									
roof	1.2(DL+LL+RSY)	Combination	Max	Bottom	9921.87	91.04	749.73	8236.27	201785.85	-87682.98
roof	1.2(DL+LL+RSY)	Combination	Min	Top	8931.85	-91.04	-749.73	-8236.27	178706.89	-78770.27
roof	1.2(DL+LL+RSY)	Combination	Min	Bottom	9921.87	-91.04	-749.73	-8236.27	196767.32	-88312.7
roof	1.2(DL+LL-RSY)	Combination	Max	Top	8931.85	91.04	749.73	8236.27	179187.91	-78691.57
roof	1.2(DL+LL-RSY)	Combination	Max	Bottom	9921.87	91.04	749.73	8236.27	201785.85	-87682.98
roof	1.2(DL+LL-RSY)	Combination	Min	Top	8931.85	-91.04	-749.73	-8236.27	178706.89	-78770.27
roof	1.2(DL+LL-RSY)	Combination	Min	Bottom	9921.87	-91.04	-749.73	-8236.27	196767.32	-88312.7
roof	1.5(DL+EQX)	Combination		Top	10073.55	-1242.58	0	25408	203962.91	-92358.68
roof	1.5(DL+EQX)	Combination		Bottom	11311.07	-1242.58	0	25408	229374.39	-107732.21
roof	1.5(DL+EQY)	Combination		Top	10073.55	0	-1242.58	-11805.09	203962.91	-92358.68
roof	1.5(DL+EQY)	Combination		Bottom	11311.07	0	-1242.58	-11805.09	233164.26	-103942.34
roof	1.5(DL+RSX)	Combination	Max	Top	10073.55	781.58	140.42	16876.01	204042.52	-92130.32
roof	1.5(DL+RSX)	Combination	Max	Bottom	11311.07	781.58	140.42	16876.01	229876.96	-101336.05
roof	1.5(DL+RSX)	Combination	Min	Top	10073.55	-781.58	-140.42	-16876.01	203883.29	-92587.04
roof	1.5(DL+RSX)	Combination	Min	Bottom	11311.07	-781.58	-140.42	-16876.01	228871.81	-106548.62
roof	1.5(DL+RSY)	Combination	Max	Top	10073.55	113.8	937.16	10295.33	204263.54	-92309.49
roof	1.5(DL+RSY)	Combination	Max	Bottom	11311.07	113.8	937.16	10295.33	232510.97	-103548.76
roof	1.5(DL+RSY)	Combination	Min	Top	10073.55	-113.8	-937.16	-10295.33	203662.27	-92407.87
roof	1.5(DL+RSY)	Combination	Min	Bottom	11311.07	-113.8	-937.16	-10295.33	226237.8	-104335.91
roof	1.5(DL-EQX)	Combination		Top	10073.55	1242.58	0	-25408	203962.91	-92358.68
roof	1.5(DL-EQX)	Combination		Bottom	11311.07	1242.58	0	-25408	229374.39	-100152.46
roof	1.5(DL-EQY)	Combination		Top	10073.55	0	1242.58	11805.09	203962.91	-92358.68
roof	1.5(DL-EQY)	Combination		Bottom	11311.07	0	1242.58	11805.09	225584.51	-103942.34
roof	1.5(DL-RSX)	Combination	Max	Top	10073.55	781.58	140.42	16876.01	204042.52	-92130.32
roof	1.5(DL-RSX)	Combination	Max	Bottom	11311.07	781.58	140.42	16876.01	229876.96	-101336.05
roof	1.5(DL-RSX)	Combination	Min	Top	10073.55	-781.58	-140.42	-16876.01	203883.29	-92587.04
roof	1.5(DL-RSX)	Combination	Min	Bottom	11311.07	-781.58	-140.42	-16876.01	228871.81	-106548.62
roof	1.5(DL-RSY)	Combination	Max	Top	10073.55	113.8	937.16	10295.33	204263.54	-92309.49
roof	1.5(DL-RSY)	Combination	Max	Bottom	11311.07	113.8	937.16	10295.33	232510.97	-103548.76
roof	1.5(DL-RSY)	Combination	Min	Top	10073.55	-113.8	-937.16	-10295.33	203662.27	-92407.87
roof	1.5(DL-RSY)	Combination	Min	Bottom	11311.07	-113.8	-937.16	-10295.33	226237.8	-104335.91
roof	DL+0.8LL+0.8EQX	Combination		Top	7297.71	-662.71	0	13550.93	146493.32	-64801.77
roof	DL+0.8LL+0.8EQX	Combination		Bottom	8122.72	-662.71	0	13550.93	163434.31	-74545.47
roof	DL+0.8LL+0.8EQY	Combination		Top	7297.71	0	-662.71	-6296.05	146493.32	-64801.77
roof	DL+0.8LL+0.8EQY	Combination		Bottom	8122.72	0	-662.71	-6296.05	165455.57	-72524.2
roof	DL+0.8LL+0.8RSX	Combination		Top	7297.71	0	-662.71	-6296.05	146493.32	-64801.77
roof	DL+0.8LL+0.8RSX	Combination		Bottom	8122.72	0	-662.71	-6296.05	165455.57	-72524.2
roof	DL+0.8LL-0.8EQX	Combination		Top	7297.71	662.71	0	-13550.93	146493.32	-64801.77
roof	DL+0.8LL-0.8EQX	Combination		Bottom	8122.72	662.71	0	-13550.93	163434.31	-70502.94
roof	DL+0.8LL-0.8EQY	Combination		Top	7297.71	0	662.71	6296.05	146493.32	-64801.77
roof	DL+0.8LL-0.8EQY	Combination		Bottom	8122.72	0	662.71	6296.05	161413.04	-72524.2

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
roof	DL+0.8LL-0.8RSX	Combination	Max	Top	7297.71	416.84	74.89	9000.54	146535.78	-64679.98
roof	DL+0.8LL-0.8RSX	Combination	Max	Bottom	8122.72	416.84	74.89	9000.54	163702.35	-71134.19
roof	DL+0.8LL-0.8RSX	Combination	Min	Top	7297.71	-416.84	-74.89	-9000.54	146450.86	-64923.56
roof	DL+0.8LL-0.8RSX	Combination	Min	Bottom	8122.72	-416.84	-74.89	-9000.54	163166.27	-73914.22
roof	DL+0.8LL+0.8RSY	Combination	Max	Top	7297.71	60.69	499.82	5490.84	146653.66	-64775.54
roof	DL+0.8LL+0.8RSY	Combination	Max	Bottom	8122.72	60.69	499.82	5490.84	165107.15	-72314.3
roof	DL+0.8LL+0.8RSY	Combination	Min	Top	7297.71	-60.69	-499.82	-5490.84	146332.98	-64828
roof	DL+0.8LL+0.8RSY	Combination	Min	Bottom	8122.72	-60.69	-499.82	-5490.84	161761.46	-72734.11
roof	DL+0.8LL-0.8RSY	Combination	Max	Top	7297.71	60.69	499.82	5490.84	146653.66	-64775.54
roof	DL+0.8LL-0.8RSY	Combination	Max	Bottom	8122.72	60.69	499.82	5490.84	165107.15	-72314.3
roof	DL+0.8LL-0.8RSY	Combination	Min	Top	7297.71	-60.69	-499.82	-5490.84	146332.98	-64828
roof	DL+0.8LL-0.8RSY	Combination	Min	Bottom	8122.72	-60.69	-499.82	-5490.84	161761.46	-72734.11
roof	DL+EQX	Combination		Top	6715.7	-828.39	0	16938.67	135975.27	-61572.45
roof	DL+EQX	Combination		Bottom	7540.71	-828.39	0	16938.67	152916.26	-71821.47
roof	DL+EQY	Combination		Top	6715.7	0	-828.39	-7870.06	135975.27	-61572.45
roof	DL+EQY	Combination		Bottom	7540.71	0	-828.39	-7870.06	155442.84	-69294.89
roof	DL+RSX	Combination	Max	Top	6715.7	521.05	93.61	11250.68	136028.35	-61420.21
roof	DL+RSX	Combination	Max	Bottom	7540.71	521.05	93.61	11250.68	153251.31	-67557.37
roof	DL+RSX	Combination	Min	Top	6715.7	-521.05	-93.61	-11250.68	135922.19	-61724.69
roof	DL+RSX	Combination	Min	Bottom	7540.71	-521.05	-93.61	-11250.68	152581.21	-71032.41
roof	DL+RSY	Combination	Max	Top	6715.7	75.87	624.77	6863.56	136175.69	-61539.66
roof	DL+RSY	Combination	Max	Bottom	7540.71	75.87	624.77	6863.56	155007.32	-69032.51
roof	DL+RSY	Combination	Min	Top	6715.7	-75.87	-624.77	-6863.56	135774.85	-61605.25
roof	DL+RSY	Combination	Min	Bottom	7540.71	-75.87	-624.77	-6863.56	150825.2	-69557.27
roof	DL-EQX	Combination		Top	6715.7	828.39	0	-16938.67	135975.27	-61572.45
roof	DL-EQX	Combination		Bottom	7540.71	828.39	0	-16938.67	152916.26	-66768.31
roof	DL-EQY	Combination		Top	6715.7	0	828.39	7870.06	135975.27	-61572.45
roof	DL-EQY	Combination		Bottom	7540.71	0	828.39	7870.06	150389.68	-69294.89
roof	DL-RSX	Combination	Max	Top	6715.7	521.05	93.61	11250.68	136028.35	-61420.21
roof	DL-RSX	Combination	Max	Bottom	7540.71	521.05	93.61	11250.68	153251.31	-67557.37
roof	DL-RSX	Combination	Min	Top	6715.7	-521.05	-93.61	-11250.68	135922.19	-61724.69
roof	DL-RSX	Combination	Min	Bottom	7540.71	-521.05	-93.61	-11250.68	152581.21	-71032.41
roof	DL-RSY	Combination	Max	Top	6715.7	75.87	624.77	6863.56	136175.69	-61539.66
roof	DL-RSY	Combination	Max	Bottom	7540.71	75.87	624.77	6863.56	155007.32	-69032.51
roof	DL-RSY	Combination	Min	Top	6715.7	-75.87	-624.77	-6863.56	135774.85	-61605.25
roof	DL-RSY	Combination	Min	Bottom	7540.71	-75.87	-624.77	-6863.56	150825.2	-69557.27
roof	1.5(DL+LL)	Combination		Top	11164.81	0	0	0	223684.25	-98413.65
roof	1.5(DL+LL)	Combination		Bottom	12402.34	0	0	0	249095.73	-109997.3
roof	ultimate envelope	Combination	Max	Top	11164.81	1242.58	1242.58	25408	223684.25	-55415.21
roof	ultimate envelope	Combination	Max	Bottom	12402.34	1242.58	1242.58	25408	249095.73	-64891.98
roof	ultimate envelope	Combination	Min	Top	6044.13	-1242.58	-1242.58	-25408	122377.74	-98413.65
roof	ultimate envelope	Combination	Min	Bottom	6786.64	-1242.58	-1242.58	-25408	137624.63	-109997.3
roof	seismic	Combination		Top	6897.58	0	0	0	139262.16	-62581.62

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
	weight									
roof	seismic weight	Combination		Bottom	7722.59	0	0	0	156203.15	-70304.05
story5	Dead	LinStatic		Top	7761.51	0	0	0	159546.88	-73240.5
story5	Dead	LinStatic		Bottom	8586.52	0	0	0	176487.87	-80962.93
story5	Live	LinStatic		Top	2141.91	0	0	0	42424.56	-17606.09
story5	Live	LinStatic		Bottom	2141.91	0	0	0	42424.56	-17606.09
story5	Floor finish	LinStatic		Top	3334.61	0	0	0	68981.69	-31796.75
story5	Floor finish	LinStatic		Bottom	3334.61	0	0	0	68981.69	-31796.75
story5	sunken filling	LinStatic		Top	464.41	0	0	0	8946.77	-4300.85
story5	sunken filling	LinStatic		Bottom	464.41	0	0	0	8946.77	-4300.85
story5	wall load	LinStatic		Top	6820.56	0	0	0	135260.12	-62553.98
story5	wall load	LinStatic		Bottom	6820.56	0	0	0	135260.12	-62553.98
story5	sesmic - X	LinStatic		Top	0	-1897.34	0	38646.72	0	-2526.58
story5	sesmic - X	LinStatic		Bottom	0	-1897.34	0	38646.72	0	-8313.46
story5	sesmic - Y	LinStatic		Top	0	0	-1897.34	-17983.6	2526.58	0
story5	sesmic - Y	LinStatic		Bottom	0	0	-1897.34	-17983.6	8313.46	0
story5	RSX	LinRespSpec	Max	Top	0	1289.87	188.75	28300.27	335.05	1737.52
story5	RSX	LinRespSpec	Max	Bottom	0	1289.87	188.75	28300.27	905.22	5660.6
story5	RXY	LinRespSpec	Max	Top	0	161.14	1475.77	16654.63	2091.06	262.38
story5	RXY	LinRespSpec	Max	Bottom	0	161.14	1475.77	16654.63	6570.69	746.74
story5	roof live	LinStatic		Top	1304.75	0	0	0	27066.78	-12557.23
story5	roof live	LinStatic		Bottom	1304.75	0	0	0	27066.78	-12557.23
story5	(DL+LL)	Combination		Top	20523	0	0	0	415160.02	-189498.16
story5	(DL+LL)	Combination		Bottom	21348.01	0	0	0	432101.01	-197220.6
story5	09DL+EQX	Combination		Top	16542.98	-1897.34	0	38646.72	335461.91	-157229.45
story5	09DL+EQX	Combination		Bottom	17285.5	-1897.34	0	38646.72	350708.8	-169966.52
story5	09DL-EQX	Combination		Top	24304.49	1897.34	0	-38646.72	495008.79	-225416.78
story5	09DL-EQX	Combination		Bottom	25872.02	1897.34	0	-38646.72	527196.67	-234302.53
story5	0.9DL+RSX	Combination	Max	Top	24304.49	1289.87	188.75	28300.27	495343.84	-226205.84
story5	0.9DL+RSX	Combination	Max	Bottom	25872.02	1289.87	188.75	28300.27	528101.88	-236955.39
story5	0.9DL+RSX	Combination	Min	Top	24304.49	-1289.87	-188.75	-28300.27	494673.74	-229680.89
story5	0.9DL+RSX	Combination	Min	Bottom	25872.02	-1289.87	-188.75	-28300.27	526291.45	-248276.59
story5	0.9DL-RSX	Combination	Max	Top	24304.49	1289.87	188.75	28300.27	495343.84	-226205.84
story5	0.9DL-RSX	Combination	Max	Bottom	25872.02	1289.87	188.75	28300.27	528101.88	-236955.39
story5	0.9DL-RSX	Combination	Min	Top	24304.49	-1289.87	-188.75	-28300.27	494673.74	-229680.89
story5	0.9DL-RSX	Combination	Min	Bottom	25872.02	-1289.87	-188.75	-28300.27	526291.45	-248276.59
story5	09DL-EQY	Combination		Top	24304.49	0	1897.34	17983.6	492482.21	-227943.36
story5	09DL-EQY	Combination		Bottom	25872.02	0	1897.34	17983.6	518883.2	-242615.99
story5	09DL+EQY	Combination		Top	24304.49	0	-1897.34	-17983.6	497535.37	-227943.36
story5	09DL+EQY	Combination		Bottom	25872.02	0	-1897.34	-17983.6	535510.13	-242615.99
story5	0.9DL+RSY	Combination	Max	Top	24304.49	161.14	1475.77	16654.63	497099.85	-227680.98
story5	0.9DL+RSY	Combination	Max	Bottom	25872.02	161.14	1475.77	16654.63	533767.35	-241869.25
story5	0.9DL+RSY	Combination	Min	Top	24304.49	-161.14	-1475.77	-16654.63	492917.73	-228205.75
story5	0.9DL+RSY	Combination	Min	Bottom	25872.02	-161.14	-1475.77	-16654.63	520625.98	-243362.73
story5	0.9DL-RSY	Combination	Max	Top	24304.49	161.14	1475.77	16654.63	497099.85	-227680.98
story5	0.9DL-RSY	Combination	Max	Bottom	25872.02	161.14	1475.77	16654.63	533767.35	-241869.25
story5	0.9DL-RSY	Combination	Min	Top	24304.49	-161.14	-1475.77	-16654.63	492917.73	-228205.75
story5	0.9DL-RSY	Combination	Min	Bottom	25872.02	-161.14	-1475.77	-16654.63	520625.98	-243362.73
story5	1.2(DL+LL+EQX)	Combination		Top	24627.6	-2276.8	0	46376.06	498192.03	-230429.7
story5	1.2(DL+LL+EQX)	Combination		Bottom	25617.62	-2276.8	0	46376.06	518521.21	-246640.87

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story5	1.2(DL+LL-EQX)	Combination		Top	24627.6	2276.8	0	-46376.06	498192.03	-224365.9
story5	1.2(DL+LL-EQX)	Combination		Bottom	25617.62	2276.8	0	-46376.06	518521.21	-226688.56
story5	1.2(DL+LL+RSX)	Combination	Max	Top	24627.6	1547.84	226.5	33960.32	498594.08	-225312.77
story5	1.2(DL+LL+RSX)	Combination	Max	Bottom	25617.62	1547.84	226.5	33960.32	519607.47	-229872
story5	1.2(DL+LL+RSX)	Combination	Min	Top	24627.6	-1547.84	-226.5	-33960.32	497789.97	-229482.82
story5	1.2(DL+LL+RSX)	Combination	Min	Bottom	25617.62	-1547.84	-226.5	-33960.32	517434.95	-243457.44
story5	1.2(DL+LL-RSX)	Combination	Max	Top	24627.6	1547.84	226.5	33960.32	498594.08	-225312.77
story5	1.2(DL+LL-RSX)	Combination	Max	Bottom	25617.62	1547.84	226.5	33960.32	519607.47	-229872
story5	1.2(DL+LL-RSX)	Combination	Min	Top	24627.6	-1547.84	-226.5	-33960.32	497789.97	-229482.82
story5	1.2(DL+LL-RSX)	Combination	Min	Bottom	25617.62	-1547.84	-226.5	-33960.32	517434.95	-243457.44
story5	1.2(DL+LL+EQY)	Combination		Top	24627.6	0	-2276.8	-21580.32	501223.92	-227397.8
story5	1.2(DL+LL+EQY)	Combination		Bottom	25617.62	0	-2276.8	-21580.32	528497.36	-236664.72
story5	1.2(DL+LL-EQY)	Combination		Top	24627.6	0	2276.8	21580.32	495160.13	-227397.8
story5	1.2(DL+LL-EQY)	Combination		Bottom	25617.62	0	2276.8	21580.32	508545.06	-236664.72
story5	1.2(DL+LL+RSY)	Combination	Max	Top	24627.6	193.37	1770.92	19985.56	500701.29	-227082.94
story5	1.2(DL+LL+RSY)	Combination	Max	Bottom	25617.62	193.37	1770.92	19985.56	526406.04	-235768.63
story5	1.2(DL+LL+RSY)	Combination	Min	Top	24627.6	-193.37	-1770.92	-19985.56	495682.76	-227712.66
story5	1.2(DL+LL+RSY)	Combination	Min	Bottom	25617.62	-193.37	-1770.92	-19985.56	510636.38	-237560.81
story5	1.2(DL+LL-RSY)	Combination	Max	Top	24627.6	193.37	1770.92	19985.56	500701.29	-227082.94
story5	1.2(DL+LL-RSY)	Combination	Max	Bottom	25617.62	193.37	1770.92	19985.56	526406.04	-235768.63
story5	1.2(DL+LL-RSY)	Combination	Min	Top	24627.6	-193.37	-1770.92	-19985.56	495682.76	-227712.66
story5	1.2(DL+LL-RSY)	Combination	Min	Bottom	25617.62	-193.37	-1770.92	-19985.56	510636.38	-237560.81
story5	1.5(DL+EQX)	Combination		Top	27571.64	-2846.01	0	57970.07	559103.19	-261627.98
story5	1.5(DL+EQX)	Combination		Bottom	28809.16	-2846.01	0	57970.07	584514.67	-281891.96
story5	1.5(DL+EQY)	Combination		Top	27571.64	0	-2846.01	-26975.4	562893.06	-257838.11
story5	1.5(DL+EQY)	Combination		Bottom	28809.16	0	-2846.01	-26975.4	596984.86	-269421.76
story5	1.5(DL+RSX)	Combination	Max	Top	27571.64	1934.81	283.12	42450.4	559605.76	-255231.83
story5	1.5(DL+RSX)	Combination	Max	Bottom	28809.16	1934.81	283.12	42450.4	585872.49	-260930.87
story5	1.5(DL+RSX)	Combination	Min	Top	27571.64	-1934.81	-283.12	-42450.4	558600.61	-260444.4
story5	1.5(DL+RSX)	Combination	Min	Bottom	28809.16	-1934.81	-283.12	-42450.4	583156.84	-277912.66
story5	1.5(DL+RSY)	Combination	Max	Top	27571.64	241.71	2213.65	24981.95	562239.77	-257444.53
story5	1.5(DL+RSY)	Combination	Max	Bottom	28809.16	241.71	2213.65	24981.95	594370.7	-268301.65
story5	1.5(DL+RSY)	Combination	Min	Top	27571.64	-241.71	-2213.65	-24981.95	555966.6	-258231.69
story5	1.5(DL+RSY)	Combination	Min	Bottom	28809.16	-241.71	-2213.65	-24981.95	574658.63	-270541.87
story5	1.5(DL-EQX)	Combination		Top	27571.64	2846.01	0	-57970.07	559103.19	-254048.24
story5	1.5(DL-EQX)	Combination		Bottom	28809.16	2846.01	0	-57970.07	584514.67	-256951.57
story5	1.5(DL-EQY)	Combination		Top	27571.64	0	2846.01	26975.4	555313.31	-257838.11
story5	1.5(DL-EQY)	Combination		Bottom	28809.16	0	2846.01	26975.4	572044.47	-269421.76
story5	1.5(DL-RSX)	Combination	Max	Top	27571.64	1934.81	283.12	42450.4	559605.76	-255231.83

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story5	1.5(DL-RSX)	Combination	Max	Bottom	28809.16	1934.81	283.12	42450.4	585872.49	-260930.87
story5	1.5(DL-RSX)	Combination	Min	Top	27571.64	-1934.81	-283.12	-42450.4	558600.61	-260444.4
story5	1.5(DL-RSX)	Combination	Min	Bottom	28809.16	-1934.81	-283.12	-42450.4	583156.84	-277912.66
story5	1.5(DL-RSY)	Combination	Max	Top	27571.64	241.71	2213.65	24981.95	562239.77	-257444.53
story5	1.5(DL-RSY)	Combination	Max	Bottom	28809.16	241.71	2213.65	24981.95	594370.7	-268301.65
story5	1.5(DL-RSY)	Combination	Min	Top	27571.64	-241.71	-2213.65	-24981.95	555966.6	-258231.69
story5	1.5(DL-RSY)	Combination	Min	Bottom	28809.16	-241.71	-2213.65	-24981.95	574658.63	-270541.87
story5	DL+0.8LL+0.8 EQX	Combination		Top	20094.62	-1517.87	0	30917.37	406675.11	-187998.21
story5	DL+0.8LL+0.8 EQX	Combination		Bottom	20919.63	-1517.87	0	30917.37	423616.1	-200350.15
story5	DL+0.8LL+0.8 EQY	Combination		Top	20094.62	0	-1517.87	-14386.88	408696.37	-185976.95
story5	DL+0.8LL+0.8 EQY	Combination		Bottom	20919.63	0	-1517.87	-14386.88	430266.87	-193699.38
story5	DL+0.8LL+0.8 RSX	Combination		Top	20094.62	0	-1517.87	-14386.88	408696.37	-185976.95
story5	DL+0.8LL+0.8 RSX	Combination		Bottom	20919.63	0	-1517.87	-14386.88	430266.87	-193699.38
story5	DL+0.8LL-0.8EQX	Combination		Top	20094.62	1517.87	0	-30917.37	406675.11	-183955.68
story5	DL+0.8LL-0.8EQX	Combination		Bottom	20919.63	1517.87	0	-30917.37	423616.1	-187048.61
story5	DL+0.8LL-0.8EQY	Combination		Top	20094.62	0	1517.87	14386.88	404653.84	-185976.95
story5	DL+0.8LL-0.8EQY	Combination		Bottom	20919.63	0	1517.87	14386.88	416965.33	-193699.38
story5	DL+0.8LL-0.8RSX	Combination	Max	Top	20094.62	1031.9	151	22640.21	406943.15	-184586.93
story5	DL+0.8LL-0.8RSX	Combination	Max	Bottom	20919.63	1031.9	151	22640.21	424340.27	-189170.9
story5	DL+0.8LL-0.8RSX	Combination	Min	Top	20094.62	-1031.9	-151	-22640.21	406407.07	-187366.96
story5	DL+0.8LL-0.8RSX	Combination	Min	Bottom	20919.63	-1031.9	-151	-22640.21	422891.92	-198227.86
story5	DL+0.8LL+0.8 RSY	Combination	Max	Top	20094.62	128.91	1180.62	13323.71	408347.95	-185767.04
story5	DL+0.8LL+0.8 RSY	Combination	Max	Bottom	20919.63	128.91	1180.62	13323.71	428872.65	-193101.99
story5	DL+0.8LL+0.8 RSY	Combination	Min	Top	20094.62	-128.91	-1180.62	-13323.71	405002.26	-186186.85
story5	DL+0.8LL+0.8 RSY	Combination	Min	Bottom	20919.63	-128.91	-1180.62	-13323.71	418359.55	-194296.77
story5	DL+0.8LL-0.8RSY	Combination	Max	Top	20094.62	128.91	1180.62	13323.71	408347.95	-185767.04
story5	DL+0.8LL-0.8RSY	Combination	Max	Bottom	20919.63	128.91	1180.62	13323.71	428872.65	-193101.99
story5	DL+0.8LL-0.8RSY	Combination	Min	Top	20094.62	-128.91	-1180.62	-13323.71	405002.26	-186186.85
story5	DL+0.8LL-0.8RSY	Combination	Min	Bottom	20919.63	-128.91	-1180.62	-13323.71	418359.55	-194296.77
story5	DL+EQX	Combination		Top	18381.09	-1897.34	0	38646.72	372735.46	-174418.66
story5	DL+EQX	Combination		Bottom	19206.11	-1897.34	0	38646.72	389676.45	-187927.97
story5	DL+EQY	Combination		Top	18381.09	0	-1897.34	-17983.6	375262.04	-171892.07
story5	DL+EQY	Combination		Bottom	19206.11	0	-1897.34	-17983.6	397989.91	-179614.51
story5	DL+RSX	Combination	Max	Top	18381.09	1289.87	188.75	28300.27	373070.51	-170154.55
story5	DL+RSX	Combination	Max	Bottom	19206.11	1289.87	188.75	28300.27	390581.66	-173953.91
story5	DL+RSX	Combination	Min	Top	18381.09	-1289.87	-188.75	-28300.27	372400.41	-173629.6
story5	DL+RSX	Combination	Min	Bottom	19206.11	-1289.87	-188.75	-28300.27	388771.23	-185275.11
story5	DL+RSY	Combination	Max	Top	18381.09	161.14	1475.77	16654.63	374826.51	-171629.69
story5	DL+RSY	Combination	Max	Bottom	19206.11	161.14	1475.77	16654.63	396247.13	-178867.77

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story5	DL+RSY	Combination	Min	Top	18381.09	-161.14	-1475.77	-16654.63	370644.4	-172154.46
story5	DL+RSY	Combination	Min	Bottom	19206.11	-161.14	-1475.77	-16654.63	383105.76	-180361.25
story5	DL-EQX	Combination		Top	18381.09	1897.34	0	-38646.72	372735.46	-169365.49
story5	DL-EQX	Combination		Bottom	19206.11	1897.34	0	-38646.72	389676.45	-171301.05
story5	DL-EQY	Combination		Top	18381.09	0	1897.34	17983.6	370208.87	-171892.07
story5	DL-EQY	Combination		Bottom	19206.11	0	1897.34	17983.6	381362.98	-179614.51
story5	DL-RSX	Combination	Max	Top	18381.09	1289.87	188.75	28300.27	373070.51	-170154.55
story5	DL-RSX	Combination	Max	Bottom	19206.11	1289.87	188.75	28300.27	390581.66	-173953.91
story5	DL-RSX	Combination	Min	Top	18381.09	-1289.87	-188.75	-28300.27	372400.41	-173629.6
story5	DL-RSX	Combination	Min	Bottom	19206.11	-1289.87	-188.75	-28300.27	388771.23	-185275.11
story5	DL-RSY	Combination	Max	Top	18381.09	161.14	1475.77	16654.63	374826.51	-171629.69
story5	DL-RSY	Combination	Max	Bottom	19206.11	161.14	1475.77	16654.63	396247.13	-178867.77
story5	DL-RSY	Combination	Min	Top	18381.09	-161.14	-1475.77	-16654.63	370644.4	-172154.46
story5	DL-RSY	Combination	Min	Bottom	19206.11	-161.14	-1475.77	-16654.63	383105.76	-180361.25
story5	1.5(DL+LL)	Combination		Top	30784.5	0	0	0	622740.03	-284247.24
story5	1.5(DL+LL)	Combination		Bottom	32022.02	0	0	0	648151.51	-295830.9
story5	ultimate envelope	Combination	Max	Top	30784.5	2846.01	2846.01	57970.07	622740.03	-157229.45
story5	ultimate envelope	Combination	Max	Bottom	32022.02	2846.01	2846.01	57970.07	648151.51	-169966.52
story5	ultimate envelope	Combination	Min	Top	16542.98	-2846.01	-2846.01	-57970.07	335461.91	-284247.24
story5	ultimate envelope	Combination	Min	Bottom	17285.5	-2846.01	-2846.01	-57970.07	350708.8	-295830.9
story5	seismic weight	Combination		Top	18916.57	0	0	0	383341.6	-176293.6
story5	seismic weight	Combination		Bottom	19741.58	0	0	0	400282.59	-184016.03
story4	Dead	LinStatic		Top	12010.58	0	0	0	246898.89	-113876.16
story4	Dead	LinStatic		Bottom	12835.59	0	0	0	263839.88	-121598.6
story4	Live	LinStatic		Top	3556.3	0	0	0	71701.57	-31175.54
story4	Live	LinStatic		Bottom	3556.3	0	0	0	71701.57	-31175.54
story4	Floor finish	LinStatic		Top	4965.55	0	0	0	102815.16	-47493.29
story4	Floor finish	LinStatic		Bottom	4965.55	0	0	0	102815.16	-47493.29
story4	sunken filling	LinStatic		Top	928.81	0	0	0	17893.54	-8601.69
story4	sunken filling	LinStatic		Bottom	928.81	0	0	0	17893.54	-8601.69
story4	wall load	LinStatic		Top	12141.55	0	0	0	241888.06	-112240.55
story4	wall load	LinStatic		Bottom	12141.55	0	0	0	241888.06	-112240.55
story4	sesmic - X	LinStatic		Top	0	-2593.42	0	52782.73	0	-8313.46
story4	sesmic - X	LinStatic		Bottom	0	-2593.42	0	52782.73	0	-16223.41
story4	sesmic - Y	LinStatic		Top	0	0	-2593.42	-24569.41	8313.46	0
story4	sesmic - Y	LinStatic		Bottom	0	0	-2593.42	-24569.41	16223.41	0
story4	RSX	LinRespSpec	Max	Top	0	1952.84	247.36	43062.79	905.22	5660.6
story4	RSX	LinRespSpec	Max	Bottom	0	1952.84	247.36	43062.79	1640.4	11584.77
story4	RXY	LinRespSpec	Max	Top	0	215.63	2149.24	24362.22	6570.69	746.74
story4	RXY	LinRespSpec	Max	Bottom	0	215.63	2149.24	24362.22	13070.14	1379.72
story4	roof live	LinStatic		Top	1304.75	0	0	0	27066.78	-12557.23
story4	roof live	LinStatic		Bottom	1304.75	0	0	0	27066.78	-12557.23
story4	(DL+LL)	Combination		Top	33602.79	0	0	0	681197.21	-313387.23
story4	(DL+LL)	Combination		Bottom	34427.8	0	0	0	698138.2	-321109.66
story4	09DL+EQX	Combination		Top	27041.84	-2593.42	0	52782.73	548546.08	-262303.99
story4	09DL+EQX	Combination		Bottom	27784.35	-2593.42	0	52782.73	563792.97	-277164.12
story4	09DL-EQX	Combination		Top	39052.42	2593.42	0	-52782.73	795444.97	-359553.22

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story4	09DL-EQX	Combination		Bottom	40619.95	2593.42	0	-52782.73	827632.84	-366315.91
story4	0.9DL+RSX	Combination	Max	Top	39052.42	1952.84	247.36	43062.79	796350.19	-362206.09
story4	0.9DL+RSX	Combination	Max	Bottom	40619.95	1952.84	247.36	43062.79	829273.25	-370954.54
story4	0.9DL+RSX	Combination	Min	Top	39052.42	-1952.84	-247.36	-43062.79	794539.75	-373527.28
story4	0.9DL+RSX	Combination	Min	Bottom	40619.95	-1952.84	-247.36	-43062.79	825992.44	-394124.09
story4	0.9DL-RSX	Combination	Max	Top	39052.42	1952.84	247.36	43062.79	796350.19	-362206.09
story4	0.9DL-RSX	Combination	Max	Bottom	40619.95	1952.84	247.36	43062.79	829273.25	-370954.54
story4	0.9DL-RSX	Combination	Min	Top	39052.42	-1952.84	-247.36	-43062.79	794539.75	-373527.28
story4	0.9DL-RSX	Combination	Min	Bottom	40619.95	-1952.84	-247.36	-43062.79	825992.44	-394124.09
story4	09DL-EQY	Combination		Top	39052.42	0	2593.42	24569.41	787131.51	-367866.69
story4	09DL-EQY	Combination		Bottom	40619.95	0	2593.42	24569.41	811409.44	-382539.31
story4	09DL+EQY	Combination		Top	39052.42	0	-2593.42	-24569.41	803758.43	-367866.69
story4	09DL+EQY	Combination		Bottom	40619.95	0	-2593.42	-24569.41	843856.25	-382539.31
story4	0.9DL+RSY	Combination	Max	Top	39052.42	215.63	2149.24	24362.22	802015.66	-367119.95
story4	0.9DL+RSY	Combination	Max	Bottom	40619.95	215.63	2149.24	24362.22	840702.98	-381159.59
story4	0.9DL+RSY	Combination	Min	Top	39052.42	-215.63	-2149.24	-24362.22	788874.28	-368613.43
story4	0.9DL+RSY	Combination	Min	Bottom	40619.95	-215.63	-2149.24	-24362.22	814562.7	-383919.03
story4	0.9DL-RSY	Combination	Max	Top	39052.42	215.63	2149.24	24362.22	802015.66	-367119.95
story4	0.9DL-RSY	Combination	Max	Bottom	40619.95	215.63	2149.24	24362.22	840702.98	-381159.59
story4	0.9DL-RSY	Combination	Min	Top	39052.42	-215.63	-2149.24	-24362.22	788874.28	-368613.43
story4	0.9DL-RSY	Combination	Min	Bottom	40619.95	-215.63	-2149.24	-24362.22	814562.7	-383919.03
story4	1.2(DL+LL+EQX)	Combination		Top	40323.35	-3112.11	0	63339.28	817436.65	-386040.83
story4	1.2(DL+LL+EQX)	Combination		Bottom	41313.37	-3112.11	0	63339.28	837765.84	-404799.68
story4	1.2(DL+LL-EQX)	Combination		Top	40323.35	3112.11	0	-63339.28	817436.65	-366088.52
story4	1.2(DL+LL-EQX)	Combination		Bottom	41313.37	3112.11	0	-63339.28	837765.84	-365863.51
story4	1.2(DL+LL+RSX)	Combination	Max	Top	40323.35	2343.41	296.83	51675.35	818522.91	-369271.96
story4	1.2(DL+LL+RSX)	Combination	Max	Bottom	41313.37	2343.41	296.83	51675.35	839734.32	-371429.87
story4	1.2(DL+LL+RSX)	Combination	Min	Top	40323.35	-2343.41	-296.83	-51675.35	816350.39	-382857.39
story4	1.2(DL+LL+RSX)	Combination	Min	Bottom	41313.37	-2343.41	-296.83	-51675.35	835797.36	-399233.32
story4	1.2(DL+LL-RSX)	Combination	Max	Top	40323.35	2343.41	296.83	51675.35	818522.91	-369271.96
story4	1.2(DL+LL-RSX)	Combination	Max	Bottom	41313.37	2343.41	296.83	51675.35	839734.32	-371429.87
story4	1.2(DL+LL-RSX)	Combination	Min	Top	40323.35	-2343.41	-296.83	-51675.35	816350.39	-382857.39
story4	1.2(DL+LL-RSX)	Combination	Min	Bottom	41313.37	-2343.41	-296.83	-51675.35	835797.36	-399233.32
story4	1.2(DL+LL+EQY)	Combination		Top	40323.35	0	-3112.11	-29483.29	827412.81	-376064.67
story4	1.2(DL+LL+EQY)	Combination		Bottom	41313.37	0	-3112.11	-29483.29	857233.92	-385331.6
story4	1.2(DL+LL-EQY)	Combination		Top	40323.35	0	3112.11	29483.29	807460.5	-376064.67
story4	1.2(DL+LL-EQY)	Combination		Bottom	41313.37	0	3112.11	29483.29	818297.75	-385331.6
story4	1.2(DL+LL+RSY)	Combination	Max	Top	40323.35	258.76	2579.09	29234.66	825321.48	-375168.59
story4	1.2(DL+LL+RSY)	Combination	Max	Bottom	41313.37	258.76	2579.09	29234.66	853450.01	-383675.93
story4	1.2(DL+LL+RSY)	Combination	Min	Top	40323.35	-258.76	-2579.09	-29234.66	809551.83	-376960.76
story4	1.2(DL+LL+R	Combination	Min	Bottom	41313.37	-258.76	-2579.09	-29234.66	822081.67	-386987.26

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
	SY)									
story4	1.2(DL+LL-RSY)	Combination	Max	Top	40323.35	258.76	2579.09	29234.66	825321.48	-375168.59
story4	1.2(DL+LL-RSY)	Combination	Max	Bottom	41313.37	258.76	2579.09	29234.66	853450.01	-383675.93
story4	1.2(DL+LL-RSY)	Combination	Min	Top	40323.35	-258.76	-2579.09	-29234.66	809551.83	-376960.76
story4	1.2(DL+LL-RSY)	Combination	Min	Bottom	41313.37	-258.76	-2579.09	-29234.66	822081.67	-386987.26
story4	1.5(DL+EQX)	Combination		Top	45069.73	-3890.14	0	79174.1	914243.47	-435787.73
story4	1.5(DL+EQX)	Combination		Bottom	46307.25	-3890.14	0	79174.1	939654.95	-459236.3
story4	1.5(DL+EQY)	Combination		Top	45069.73	0	-3890.14	-36854.12	926713.66	-423317.54
story4	1.5(DL+EQY)	Combination		Bottom	46307.25	0	-3890.14	-36854.12	963990.06	-434901.19
story4	1.5(DL+RSX)	Combination	Max	Top	45069.73	2929.27	371.04	64594.18	915601.29	-414826.64
story4	1.5(DL+RSX)	Combination	Max	Bottom	46307.25	2929.27	371.04	64594.18	942115.55	-417524.04
story4	1.5(DL+RSX)	Combination	Min	Top	45069.73	-2929.27	-371.04	-64594.18	912885.64	-431808.44
story4	1.5(DL+RSX)	Combination	Min	Bottom	46307.25	-2929.27	-371.04	-64594.18	937194.34	-452278.35
story4	1.5(DL+RSY)	Combination	Max	Top	45069.73	323.44	3223.87	36543.32	924099.5	-422197.43
story4	1.5(DL+RSY)	Combination	Max	Bottom	46307.25	323.44	3223.87	36543.32	959260.16	-432831.61
story4	1.5(DL+RSY)	Combination	Min	Top	45069.73	-323.44	-3223.87	-36543.32	904387.43	-424437.65
story4	1.5(DL+RSY)	Combination	Min	Bottom	46307.25	-323.44	-3223.87	-36543.32	920049.74	-436970.77
story4	1.5(DL-EQX)	Combination		Top	45069.73	3890.14	0	-79174.1	914243.47	-410847.35
story4	1.5(DL-EQX)	Combination		Bottom	46307.25	3890.14	0	-79174.1	939654.95	-410566.09
story4	1.5(DL-EQY)	Combination		Top	45069.73	0	3890.14	36854.12	901773.27	-423317.54
story4	1.5(DL-EQY)	Combination		Bottom	46307.25	0	3890.14	36854.12	915319.84	-434901.19
story4	1.5(DL-RSX)	Combination	Max	Top	45069.73	2929.27	371.04	64594.18	915601.29	-414826.64
story4	1.5(DL-RSX)	Combination	Max	Bottom	46307.25	2929.27	371.04	64594.18	942115.55	-417524.04
story4	1.5(DL-RSX)	Combination	Min	Top	45069.73	-2929.27	-371.04	-64594.18	912885.64	-431808.44
story4	1.5(DL-RSX)	Combination	Min	Bottom	46307.25	-2929.27	-371.04	-64594.18	937194.34	-452278.35
story4	1.5(DL-RSY)	Combination	Max	Top	45069.73	323.44	3223.87	36543.32	924099.5	-422197.43
story4	1.5(DL-RSY)	Combination	Max	Bottom	46307.25	323.44	3223.87	36543.32	959260.16	-432831.61
story4	1.5(DL-RSY)	Combination	Min	Top	45069.73	-323.44	-3223.87	-36543.32	904387.43	-424437.65
story4	1.5(DL-RSY)	Combination	Min	Bottom	46307.25	-323.44	-3223.87	-36543.32	920049.74	-436970.77
story4	DL+0.8LL+0.8EQX	Combination		Top	32891.53	-2074.74	0	42226.18	666856.9	-313802.89
story4	DL+0.8LL+0.8EQX	Combination		Bottom	33716.54	-2074.74	0	42226.18	683797.88	-327853.28
story4	DL+0.8LL+0.8EQY	Combination		Top	32891.53	0	-2074.74	-19655.53	673507.67	-307152.12
story4	DL+0.8LL+0.8EQY	Combination		Bottom	33716.54	0	-2074.74	-19655.53	696776.61	-314874.56
story4	DL+0.8LL+0.8RSX	Combination		Top	32891.53	0	-2074.74	-19655.53	673507.67	-307152.12
story4	DL+0.8LL+0.8RSX	Combination		Bottom	33716.54	0	-2074.74	-19655.53	696776.61	-314874.56
story4	DL+0.8LL-0.8EQX	Combination		Top	32891.53	2074.74	0	-42226.18	666856.9	-300501.35
story4	DL+0.8LL-0.8EQX	Combination		Bottom	33716.54	2074.74	0	-42226.18	683797.88	-301895.83
story4	DL+0.8LL-0.8EQY	Combination		Top	32891.53	0	2074.74	19655.53	660206.13	-307152.12
story4	DL+0.8LL-0.8EQY	Combination		Bottom	33716.54	0	2074.74	19655.53	670819.16	-314874.56
story4	DL+0.8LL-0.8RSX	Combination	Max	Top	32891.53	1562.27	197.89	34450.23	667581.07	-302623.64
story4	DL+0.8LL-0.8RSX	Combination	Max	Bottom	33716.54	1562.27	197.89	34450.23	685110.21	-305606.74
story4	DL+0.8LL-0.8RSX	Combination	Min	Top	32891.53	-1562.27	-197.89	-34450.23	666132.72	-311680.6

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story4	DL+0.8LL-0.8RSX	Combination	Min	Bottom	33716.54	-1562.27	-197.89	-34450.23	682485.56	-324142.37
story4	DL+0.8LL+0.8RSY	Combination	Max	Top	32891.53	172.5	1719.4	19489.77	672113.45	-306554.73
story4	DL+0.8LL+0.8RSY	Combination	Max	Bottom	33716.54	172.5	1719.4	19489.77	694254	-313770.78
story4	DL+0.8LL+0.8RSY	Combination	Min	Top	32891.53	-172.5	-1719.4	-19489.77	661600.35	-307749.51
story4	DL+0.8LL+0.8RSY	Combination	Min	Bottom	33716.54	-172.5	-1719.4	-19489.77	673341.77	-315978.33
story4	DL+0.8LL-0.8RSY	Combination	Max	Top	32891.53	172.5	1719.4	19489.77	672113.45	-306554.73
story4	DL+0.8LL-0.8RSY	Combination	Max	Bottom	33716.54	172.5	1719.4	19489.77	694254	-313770.78
story4	DL+0.8LL-0.8RSY	Combination	Min	Top	32891.53	-172.5	-1719.4	-19489.77	661600.35	-307749.51
story4	DL+0.8LL-0.8RSY	Combination	Min	Bottom	33716.54	-172.5	-1719.4	-19489.77	673341.77	-315978.33
story4	DL+EQX	Combination		Top	30046.49	-2593.42	0	52782.73	609495.64	-290525.15
story4	DL+EQX	Combination		Bottom	30871.5	-2593.42	0	52782.73	626436.63	-306157.53
story4	DL+EQY	Combination		Top	30046.49	0	-2593.42	-24569.41	617809.11	-282211.69
story4	DL+EQY	Combination		Bottom	30871.5	0	-2593.42	-24569.41	642660.04	-289934.13
story4	DL+RSX	Combination	Max	Top	30046.49	1952.84	247.36	43062.79	610400.86	-276551.1
story4	DL+RSX	Combination	Max	Bottom	30871.5	1952.84	247.36	43062.79	628077.03	-278349.36
story4	DL+RSX	Combination	Min	Top	30046.49	-1952.84	-247.36	-43062.79	608590.43	-287872.29
story4	DL+RSX	Combination	Min	Bottom	30871.5	-1952.84	-247.36	-43062.79	624796.23	-301518.9
story4	DL+RSY	Combination	Max	Top	30046.49	215.63	2149.24	24362.22	616066.33	-281464.95
story4	DL+RSY	Combination	Max	Bottom	30871.5	215.63	2149.24	24362.22	639506.77	-288554.41
story4	DL+RSY	Combination	Min	Top	30046.49	-215.63	-2149.24	-24362.22	602924.95	-282958.43
story4	DL+RSY	Combination	Min	Bottom	30871.5	-215.63	-2149.24	-24362.22	613366.49	-291313.85
story4	DL-EQX	Combination		Top	30046.49	2593.42	0	-52782.73	609495.64	-273898.23
story4	DL-EQX	Combination		Bottom	30871.5	2593.42	0	-52782.73	626436.63	-273710.72
story4	DL-EQY	Combination		Top	30046.49	0	2593.42	24569.41	601182.18	-282211.69
story4	DL-EQY	Combination		Bottom	30871.5	0	2593.42	24569.41	610213.23	-289934.13
story4	DL-RSX	Combination	Max	Top	30046.49	1952.84	247.36	43062.79	610400.86	-276551.1
story4	DL-RSX	Combination	Max	Bottom	30871.5	1952.84	247.36	43062.79	628077.03	-278349.36
story4	DL-RSX	Combination	Min	Top	30046.49	-1952.84	-247.36	-43062.79	608590.43	-287872.29
story4	DL-RSX	Combination	Min	Bottom	30871.5	-1952.84	-247.36	-43062.79	624796.23	-301518.9
story4	DL-RSY	Combination	Max	Top	30046.49	215.63	2149.24	24362.22	616066.33	-281464.95
story4	DL-RSY	Combination	Max	Bottom	30871.5	215.63	2149.24	24362.22	639506.77	-288554.41
story4	DL-RSY	Combination	Min	Top	30046.49	-215.63	-2149.24	-24362.22	602924.95	-282958.43
story4	DL-RSY	Combination	Min	Bottom	30871.5	-215.63	-2149.24	-24362.22	613366.49	-291313.85
story4	1.5(DL+LL)	Combination		Top	50404.18	0	0	0	1021795.81	-470080.84
story4	1.5(DL+LL)	Combination		Bottom	51641.71	0	0	0	1047207.3	-481664.5
story4	ultimate envelope	Combination	Max	Top	50404.18	3890.14	3890.14	79174.1	1021795.81	-262303.99
story4	ultimate envelope	Combination	Max	Bottom	51641.71	3890.14	3890.14	79174.1	1047207.3	-277164.12
story4	ultimate envelope	Combination	Min	Top	27041.84	-3890.14	-3890.14	-79174.1	548546.08	-470080.84
story4	ultimate envelope	Combination	Min	Bottom	27784.35	-3890.14	-3890.14	-79174.1	563792.97	-481664.5
story4	seismic weight	Combination		Top	30935.56	0	0	0	627421.03	-290005.58
story4	seismic weight	Combination		Bottom	31760.58	0	0	0	644362.02	-297728.01
story3	Dead	LinStatic		Top	16259.65	0	0	0	334250.9	-154511.83
story3	Dead	LinStatic		Bottom	17084.66	0	0	0	351191.89	-162234.26
story3	Live	LinStatic		Top	4970.7	0	0	0	100978.57	-44744.98

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story3	Live	LinStatic		Bottom	4970.7	0	0	0	100978.57	-44744.98
story3	Floor finish	LinStatic		Top	6596.48	0	0	0	136648.63	-63189.83
story3	Floor finish	LinStatic		Bottom	6596.48	0	0	0	136648.63	-63189.83
story3	sunken filling	LinStatic		Top	1393.22	0	0	0	26840.31	-12902.54
story3	sunken filling	LinStatic		Bottom	1393.22	0	0	0	26840.31	-12902.54
story3	wall load	LinStatic		Top	17462.54	0	0	0	348515.99	-161927.12
story3	wall load	LinStatic		Bottom	17462.54	0	0	0	348515.99	-161927.12
story3	sesmic - X	LinStatic		Top	0	-2996.31	0	60964.55	0	-16223.41
story3	sesmic - X	LinStatic		Bottom	0	-2996.31	0	60964.55	0	-25362.16
story3	sesmic - Y	LinStatic		Top	0	0	-2996.31	-28381.23	16223.41	0
story3	sesmic - Y	LinStatic		Bottom	0	0	-2996.31	-28381.23	25362.16	0
story3	RSX	LinRespSpec	Max	Top	0	2496.66	287.59	55213.5	1640.4	11584.77
story3	RSX	LinRespSpec	Max	Bottom	0	2496.66	287.59	55213.5	2474.33	19133.89
story3	RXY	LinRespSpec	Max	Top	0	254.79	2660.73	30317.76	13070.14	1379.72
story3	RXY	LinRespSpec	Max	Bottom	0	254.79	2660.73	30317.76	21075.55	2100.71
story3	roof live	LinStatic		Top	1304.75	0	0	0	27066.78	-12557.23
story3	roof live	LinStatic		Bottom	1304.75	0	0	0	27066.78	-12557.23
story3	(DL+LL)	Combination		Top	46682.58	0	0	0	947234.4	-437276.29
story3	(DL+LL)	Combination		Bottom	47507.59	0	0	0	964175.39	-444998.73
story3	09DL+EQX	Combination		Top	37540.69	-2996.31	0	60964.55	761630.25	-369501.59
story3	09DL+EQX	Combination		Bottom	38283.21	-2996.31	0	60964.55	776877.14	-385590.54
story3	09DL-EQX	Combination		Top	53800.34	2996.31	0	-60964.55	1095881.15	-491566.6
story3	09DL-EQX	Combination		Bottom	55367.87	2996.31	0	-60964.55	1128069.02	-497100.47
story3	0.9DL+RSX	Combination	Max	Top	53800.34	2496.66	287.59	55213.5	1097521.55	-496205.24
story3	0.9DL+RSX	Combination	Max	Bottom	55367.87	2496.66	287.59	55213.5	1130543.35	-503328.75
story3	0.9DL+RSX	Combination	Min	Top	53800.34	-2496.66	-287.59	-55213.5	1094240.74	-519374.78
story3	0.9DL+RSX	Combination	Min	Bottom	55367.87	-2496.66	-287.59	-55213.5	1125594.7	-541596.53
story3	0.9DL-RSX	Combination	Max	Top	53800.34	2496.66	287.59	55213.5	1097521.55	-496205.24
story3	0.9DL-RSX	Combination	Max	Bottom	55367.87	2496.66	287.59	55213.5	1130543.35	-503328.75
story3	0.9DL-RSX	Combination	Min	Top	53800.34	-2496.66	-287.59	-55213.5	1094240.74	-519374.78
story3	0.9DL-RSX	Combination	Min	Bottom	55367.87	-2496.66	-287.59	-55213.5	1125594.7	-541596.53
story3	09DL-EQY	Combination		Top	53800.34	0	2996.31	28381.23	1079657.74	-507790.01
story3	09DL-EQY	Combination		Bottom	55367.87	0	2996.31	28381.23	1102706.86	-522462.64
story3	09DL+EQY	Combination		Top	53800.34	0	-2996.31	-28381.23	1112104.55	-507790.01
story3	09DL+EQY	Combination		Bottom	55367.87	0	-2996.31	-28381.23	1153431.19	-522462.64
story3	0.9DL+RSY	Combination	Max	Top	53800.34	254.79	2660.73	30317.76	1108951.29	-506410.29
story3	0.9DL+RSY	Combination	Max	Bottom	55367.87	254.79	2660.73	30317.76	1149144.58	-520361.92
story3	0.9DL+RSY	Combination	Min	Top	53800.34	-254.79	-2660.73	-30317.76	1082811	-509169.73
story3	0.9DL+RSY	Combination	Min	Bottom	55367.87	-254.79	-2660.73	-30317.76	1106993.47	-524563.35
story3	0.9DL-RSY	Combination	Max	Top	53800.34	254.79	2660.73	30317.76	1108951.29	-506410.29
story3	0.9DL-RSY	Combination	Max	Bottom	55367.87	254.79	2660.73	30317.76	1149144.58	-520361.92
story3	0.9DL-RSY	Combination	Min	Top	53800.34	-254.79	-2660.73	-30317.76	1082811	-509169.73
story3	0.9DL-RSY	Combination	Min	Bottom	55367.87	-254.79	-2660.73	-30317.76	1106993.47	-524563.35
story3	1.2(DL+LL+EQX)	Combination		Top	56019.09	-3595.58	0	73157.46	1136681.28	-544199.64
story3	1.2(DL+LL+EQX)	Combination		Bottom	57009.11	-3595.58	0	73157.46	1157010.46	-564433.07
story3	1.2(DL+LL-EQX)	Combination		Top	56019.09	3595.58	0	-73157.46	1136681.28	-505263.47
story3	1.2(DL+LL-EQX)	Combination		Bottom	57009.11	3595.58	0	-73157.46	1157010.46	-503563.88
story3	1.2(DL+LL+RSX)	Combination	Max	Top	56019.09	2995.99	345.11	66256.2	1138649.76	-510829.83

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story3	1.2(DL+LL+RSX)	Combination	Max	Bottom	57009.11	2995.99	345.11	66256.2	1159979.66	-511037.81
story3	1.2(DL+LL+RSX)	Combination	Min	Top	56019.09	-2995.99	-345.11	-66256.2	1134712.8	-538633.28
story3	1.2(DL+LL+RSX)	Combination	Min	Bottom	57009.11	-2995.99	-345.11	-66256.2	1154041.27	-556959.15
story3	1.2(DL+LL-RSX)	Combination	Max	Top	56019.09	2995.99	345.11	66256.2	1138649.76	-510829.83
story3	1.2(DL+LL-RSX)	Combination	Max	Bottom	57009.11	2995.99	345.11	66256.2	1159979.66	-511037.81
story3	1.2(DL+LL-RSX)	Combination	Min	Top	56019.09	-2995.99	-345.11	-66256.2	1134712.8	-538633.28
story3	1.2(DL+LL-RSX)	Combination	Min	Bottom	57009.11	-2995.99	-345.11	-66256.2	1154041.27	-556959.15
story3	1.2(DL+LL+EQY)	Combination		Top	56019.09	0	-3595.58	-34057.48	1156149.37	-524731.55
story3	1.2(DL+LL+EQY)	Combination		Bottom	57009.11	0	-3595.58	-34057.48	1187445.06	-533998.48
story3	1.2(DL+LL-EQY)	Combination		Top	56019.09	0	3595.58	34057.48	1117213.19	-524731.55
story3	1.2(DL+LL-EQY)	Combination		Bottom	57009.11	0	3595.58	34057.48	1126575.87	-533998.48
story3	1.2(DL+LL+RSY)	Combination	Max	Top	56019.09	305.75	3192.88	36381.31	1152365.45	-523075.89
story3	1.2(DL+LL+RSY)	Combination	Max	Bottom	57009.11	305.75	3192.88	36381.31	1182301.13	-531477.62
story3	1.2(DL+LL+RSY)	Combination	Min	Top	56019.09	-305.75	-3192.88	-36381.31	1120997.11	-526387.22
story3	1.2(DL+LL+RSY)	Combination	Min	Bottom	57009.11	-305.75	-3192.88	-36381.31	1131719.8	-536519.33
story3	1.2(DL+LL-RSY)	Combination	Max	Top	56019.09	305.75	3192.88	36381.31	1152365.45	-523075.89
story3	1.2(DL+LL-RSY)	Combination	Max	Bottom	57009.11	305.75	3192.88	36381.31	1182301.13	-531477.62
story3	1.2(DL+LL-RSY)	Combination	Min	Top	56019.09	-305.75	-3192.88	-36381.31	1120997.11	-526387.22
story3	1.2(DL+LL-RSY)	Combination	Min	Bottom	57009.11	-305.75	-3192.88	-36381.31	1131719.8	-536519.33
story3	1.5(DL+EQX)	Combination		Top	62567.82	-4494.47	0	91446.83	1269383.74	-613132.08
story3	1.5(DL+EQX)	Combination		Bottom	63805.34	-4494.47	0	91446.83	1294795.23	-638423.87
story3	1.5(DL+EQY)	Combination		Top	62567.82	0	-4494.47	-42571.85	1293718.85	-588796.97
story3	1.5(DL+EQY)	Combination		Bottom	63805.34	0	-4494.47	-42571.85	1332838.47	-600380.62
story3	1.5(DL+RSX)	Combination	Max	Top	62567.82	3744.99	431.39	82820.25	1271844.35	-571419.81
story3	1.5(DL+RSX)	Combination	Max	Bottom	63805.34	3744.99	431.39	82820.25	1298506.72	-571679.79
story3	1.5(DL+RSX)	Combination	Min	Top	62567.82	-3744.99	-431.39	-82820.25	1266923.14	-606174.13
story3	1.5(DL+RSX)	Combination	Min	Bottom	63805.34	-3744.99	-431.39	-82820.25	1291083.74	-629081.46
story3	1.5(DL+RSY)	Combination	Max	Top	62567.82	382.19	3991.1	45476.64	1288988.96	-586727.39
story3	1.5(DL+RSY)	Combination	Max	Bottom	63805.34	382.19	3991.1	45476.64	1326408.56	-597229.55
story3	1.5(DL+RSY)	Combination	Min	Top	62567.82	-382.19	-3991.1	-45476.64	1249778.53	-590866.55
story3	1.5(DL+RSY)	Combination	Min	Bottom	63805.34	-382.19	-3991.1	-45476.64	1263181.9	-603531.69
story3	1.5(DL-EQX)	Combination		Top	62567.82	4494.47	0	-91446.83	1269383.74	-564461.86
story3	1.5(DL-EQX)	Combination		Bottom	63805.34	4494.47	0	-91446.83	1294795.23	-562337.38
story3	1.5(DL-EQY)	Combination		Top	62567.82	0	4494.47	42571.85	1245048.64	-588796.97
story3	1.5(DL-EQY)	Combination		Bottom	63805.34	0	4494.47	42571.85	1256751.98	-600380.62
story3	1.5(DL-RSX)	Combination	Max	Top	62567.82	3744.99	431.39	82820.25	1271844.35	-571419.81
story3	1.5(DL-RSX)	Combination	Max	Bottom	63805.34	3744.99	431.39	82820.25	1298506.72	-571679.79
story3	1.5(DL-RSX)	Combination	Min	Top	62567.82	-3744.99	-431.39	-82820.25	1266923.14	-606174.13
story3	1.5(DL-RSX)	Combination	Min	Bottom	63805.34	-3744.99	-431.39	-82820.25	1291083.74	-629081.46
story3	1.5(DL-RSY)	Combination	Max	Top	62567.82	382.19	3991.1	45476.64	1288988.96	-586727.39
story3	1.5(DL-RSY)	Combination	Max	Bottom	63805.34	382.19	3991.1	45476.64	1326408.56	-597229.55

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story3	1.5(DL-RSY)	Combination	Min	Top	62567.82	-382.19	-3991.1	-45476.64	1249778.53	-590866.55
story3	1.5(DL-RSY)	Combination	Min	Bottom	63805.34	-382.19	-3991.1	-45476.64	1263181.9	-603531.69
story3	DL+0.8LL+0.8 EQX	Combination		Top	45688.44	-2397.05	0	48771.64	927038.68	-441306.02
story3	DL+0.8LL+0.8 EQX	Combination		Bottom	46513.45	-2397.05	0	48771.64	943979.67	-456339.47
story3	DL+0.8LL+0.8 EQY	Combination		Top	45688.44	0	-2397.05	-22704.98	940017.41	-428327.3
story3	DL+0.8LL+0.8 EQY	Combination		Bottom	46513.45	0	-2397.05	-22704.98	964269.4	-436049.73
story3	DL+0.8LL+0.8 RSX	Combination		Top	45688.44	0	-2397.05	-22704.98	940017.41	-428327.3
story3	DL+0.8LL+0.8 RSX	Combination		Bottom	46513.45	0	-2397.05	-22704.98	964269.4	-436049.73
story3	DL+0.8LL-0.8EQX	Combination		Top	45688.44	2397.05	0	-48771.64	927038.68	-415348.57
story3	DL+0.8LL-0.8EQX	Combination		Bottom	46513.45	2397.05	0	-48771.64	943979.67	-415760
story3	DL+0.8LL-0.8EQY	Combination		Top	45688.44	0	2397.05	22704.98	914059.96	-428327.3
story3	DL+0.8LL-0.8EQY	Combination		Bottom	46513.45	0	2397.05	22704.98	923689.94	-436049.73
story3	DL+0.8LL-0.8RSX	Combination	Max	Top	45688.44	1997.33	230.07	44170.8	928351.01	-419059.48
story3	DL+0.8LL-0.8RSX	Combination	Max	Bottom	46513.45	1997.33	230.07	44170.8	945959.13	-420742.62
story3	DL+0.8LL-0.8RSX	Combination	Min	Top	45688.44	-1997.33	-230.07	-44170.8	925726.36	-437595.12
story3	DL+0.8LL-0.8RSX	Combination	Min	Bottom	46513.45	-1997.33	-230.07	-44170.8	942000.21	-451356.85
story3	DL+0.8LL+0.8 RSY	Combination	Max	Top	45688.44	203.83	2128.58	24254.21	937494.8	-427223.52
story3	DL+0.8LL+0.8 RSY	Combination	Max	Bottom	46513.45	203.83	2128.58	24254.21	960840.12	-434369.16
story3	DL+0.8LL+0.8 RSY	Combination	Min	Top	45688.44	-203.83	-2128.58	-24254.21	916582.57	-429431.07
story3	DL+0.8LL+0.8 RSY	Combination	Min	Bottom	46513.45	-203.83	-2128.58	-24254.21	927119.23	-437730.3
story3	DL+0.8LL-0.8RSY	Combination	Max	Top	45688.44	203.83	2128.58	24254.21	937494.8	-427223.52
story3	DL+0.8LL-0.8RSY	Combination	Max	Bottom	46513.45	203.83	2128.58	24254.21	960840.12	-434369.16
story3	DL+0.8LL-0.8RSY	Combination	Min	Top	45688.44	-203.83	-2128.58	-24254.21	916582.57	-429431.07
story3	DL+0.8LL-0.8RSY	Combination	Min	Bottom	46513.45	-203.83	-2128.58	-24254.21	927119.23	-437730.3
story3	DL+EQX	Combination		Top	41711.88	-2996.31	0	60964.55	846255.83	-408754.72
story3	DL+EQX	Combination		Bottom	42536.9	-2996.31	0	60964.55	863196.82	-425615.91
story3	DL+EQY	Combination		Top	41711.88	0	-2996.31	-28381.23	862479.24	-392531.31
story3	DL+EQY	Combination		Bottom	42536.9	0	-2996.31	-28381.23	888558.98	-400253.75
story3	DL+RSX	Combination	Max	Top	41711.88	2496.66	287.59	55213.5	847896.23	-380946.54
story3	DL+RSX	Combination	Max	Bottom	42536.9	2496.66	287.59	55213.5	865671.14	-381119.86
story3	DL+RSX	Combination	Min	Top	41711.88	-2496.66	-287.59	-55213.5	844615.43	-404116.08
story3	DL+RSX	Combination	Min	Bottom	42536.9	-2496.66	-287.59	-55213.5	860722.49	-419387.64
story3	DL+RSY	Combination	Max	Top	41711.88	254.79	2660.73	30317.76	859325.97	-391151.59
story3	DL+RSY	Combination	Max	Bottom	42536.9	254.79	2660.73	30317.76	884272.37	-398153.04
story3	DL+RSY	Combination	Min	Top	41711.88	-254.79	-2660.73	-30317.76	833185.69	-393911.03
story3	DL+RSY	Combination	Min	Bottom	42536.9	-254.79	-2660.73	-30317.76	842121.26	-402354.46
story3	DL-EQX	Combination		Top	41711.88	2996.31	0	-60964.55	846255.83	-376307.91
story3	DL-EQX	Combination		Bottom	42536.9	2996.31	0	-60964.55	863196.82	-374891.58
story3	DL-EQY	Combination		Top	41711.88	0	2996.31	28381.23	830032.42	-392531.31

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story3	DL-EQY	Combination		Bottom	42536.9	0	2996.31	28381.23	837834.65	-400253.75
story3	DL-RSX	Combination	Max	Top	41711.88	2496.66	287.59	55213.5	847896.23	-380946.54
story3	DL-RSX	Combination	Max	Bottom	42536.9	2496.66	287.59	55213.5	865671.14	-381119.86
story3	DL-RSX	Combination	Min	Top	41711.88	-2496.66	-287.59	-55213.5	844615.43	-404116.08
story3	DL-RSX	Combination	Min	Bottom	42536.9	-2496.66	-287.59	-55213.5	860722.49	-419387.64
story3	DL-RSY	Combination	Max	Top	41711.88	254.79	2660.73	30317.76	859325.97	-391151.59
story3	DL-RSY	Combination	Max	Bottom	42536.9	254.79	2660.73	30317.76	884272.37	-398153.04
story3	DL-RSY	Combination	Min	Top	41711.88	-254.79	-2660.73	-30317.76	833185.69	-393911.03
story3	DL-RSY	Combination	Min	Bottom	42536.9	-254.79	-2660.73	-30317.76	842121.26	-402354.46
story3	1.5(DL+LL)	Combination		Top	70023.87	0	0	0	1420851.6	-655914.44
story3	1.5(DL+LL)	Combination		Bottom	71261.39	0	0	0	1446263.08	-667498.1
story3	ultimate envelope	Combination	Max	Top	70023.87	4494.47	4494.47	91446.83	1420851.6	-369501.59
story3	ultimate envelope	Combination	Max	Bottom	71261.39	4494.47	4494.47	91446.83	1446263.08	-385590.54
story3	ultimate envelope	Combination	Min	Top	37540.69	-4494.47	-4494.47	-91446.83	761630.25	-655914.44
story3	ultimate envelope	Combination	Min	Bottom	38283.21	-4494.47	-4494.47	-91446.83	776877.14	-667498.1
story3	seismic weight	Combination		Top	42954.55	0	0	0	871500.47	-403717.56
story3	seismic weight	Combination		Bottom	43779.57	0	0	0	888441.46	-411439.99
story2	Dead	LinStatic		Top	20508.72	0	0	0	421602.91	-195147.49
story2	Dead	LinStatic		Bottom	21333.73	0	0	0	438543.9	-202869.93
story2	Live	LinStatic		Top	6385.09	0	0	0	130255.57	-58314.43
story2	Live	LinStatic		Bottom	6385.09	0	0	0	130255.57	-58314.43
story2	Floor finish	LinStatic		Top	8227.41	0	0	0	170482.09	-78886.37
story2	Floor finish	LinStatic		Bottom	8227.41	0	0	0	170482.09	-78886.37
story2	sunken filling	LinStatic		Top	1857.62	0	0	0	35787.08	-17203.39
story2	sunken filling	LinStatic		Bottom	1857.62	0	0	0	35787.08	-17203.39
story2	wall load	LinStatic		Top	22783.52	0	0	0	455143.93	-211613.69
story2	wall load	LinStatic		Bottom	22783.52	0	0	0	455143.93	-211613.69
story2	sesmic - X	LinStatic		Top	0	-3185.67	0	64810.03	0	-25362.16
story2	sesmic - X	LinStatic		Bottom	0	-3185.67	0	64810.03	0	-35078.47
story2	sesmic - Y	LinStatic		Top	0	0	-3185.67	-30172.79	25362.16	0
story2	sesmic - Y	LinStatic		Bottom	0	0	-3185.67	-30172.79	35078.47	0
story2	RSX	LinRespSpec	Max	Top	0	2909.35	313.06	64488.53	2474.33	19133.89
story2	RSX	LinRespSpec	Max	Bottom	0	2909.35	313.06	64488.53	3370.57	27903.02
story2	RXY	LinRespSpec	Max	Top	0	291.77	3017.62	34678.4	21075.55	2100.71
story2	RXY	LinRespSpec	Max	Bottom	0	291.77	3017.62	34678.4	30118.9	2895.46
story2	roof live	LinStatic		Top	1304.75	0	0	0	27066.78	-12557.23
story2	roof live	LinStatic		Bottom	1304.75	0	0	0	27066.78	-12557.23
story2	(DL+LL)	Combination		Top	59762.37	0	0	0	1213271.59	-561165.36
story2	(DL+LL)	Combination		Bottom	60587.38	0	0	0	1230212.58	-568887.8
story2	09DL+EQX	Combination		Top	48039.55	-3185.67	0	64810.03	974714.41	-477928
story2	09DL+EQX	Combination		Bottom	48782.06	-3185.67	0	64810.03	989961.3	-494594.5
story2	09DL-EQX	Combination		Top	68548.26	3185.67	0	-64810.03	1396317.32	-622351.17
story2	09DL-EQX	Combination		Bottom	70115.8	3185.67	0	-64810.03	1428505.2	-627307.49
story2	0.9DL+RSX	Combination	Max	Top	68548.26	2909.35	313.06	64488.53	1398791.65	-628579.44
story2	0.9DL+RSX	Combination	Max	Bottom	70115.8	2909.35	313.06	64488.53	1431875.77	-634482.94
story2	0.9DL+RSX	Combination	Min	Top	68548.26	-2909.35	-313.06	-64488.53	1393843	-666847.22
story2	0.9DL+RSX	Combination	Min	Bottom	70115.8	-2909.35	-313.06	-64488.53	1425134.63	-690288.98

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story2	0.9DL-RSX	Combination	Max	Top	68548.26	2909.35	313.06	64488.53	1398791.65	-628579.44
story2	0.9DL-RSX	Combination	Max	Bottom	70115.8	2909.35	313.06	64488.53	1431875.77	-634482.94
story2	0.9DL-RSX	Combination	Min	Top	68548.26	-2909.35	-313.06	-64488.53	1393843	-666847.22
story2	0.9DL-RSX	Combination	Min	Bottom	70115.8	-2909.35	-313.06	-64488.53	1425134.63	-690288.98
story2	09DL-EQY	Combination		Top	68548.26	0	3185.67	30172.79	1370955.16	-647713.33
story2	09DL-EQY	Combination		Bottom	70115.8	0	3185.67	30172.79	1393426.73	-662385.96
story2	09DL+EQY	Combination		Top	68548.26	0	-3185.67	-30172.79	1421679.49	-647713.33
story2	09DL+EQY	Combination		Bottom	70115.8	0	-3185.67	-30172.79	1463583.67	-662385.96
story2	0.9DL+RSY	Combination	Max	Top	68548.26	291.77	3017.62	34678.4	1417392.88	-645612.62
story2	0.9DL+RSY	Combination	Max	Bottom	70115.8	291.77	3017.62	34678.4	1458624.1	-659490.5
story2	0.9DL+RSY	Combination	Min	Top	68548.26	-291.77	-3017.62	-34678.4	1375241.77	-649814.04
story2	0.9DL+RSY	Combination	Min	Bottom	70115.8	-291.77	-3017.62	-34678.4	1398386.3	-665281.42
story2	0.9DL-RSY	Combination	Max	Top	68548.26	291.77	3017.62	34678.4	1417392.88	-645612.62
story2	0.9DL-RSY	Combination	Max	Bottom	70115.8	291.77	3017.62	34678.4	1458624.1	-659490.5
story2	0.9DL-RSY	Combination	Min	Top	68548.26	-291.77	-3017.62	-34678.4	1375241.77	-649814.04
story2	0.9DL-RSY	Combination	Min	Bottom	70115.8	-291.77	-3017.62	-34678.4	1398386.3	-665281.42
story2	1.2(DL+LL+EQX)	Combination		Top	71714.84	-3822.81	0	77772.03	1455925.91	-703833.03
story2	1.2(DL+LL+EQX)	Combination		Bottom	72704.86	-3822.81	0	77772.03	1476255.09	-724759.52
story2	1.2(DL+LL-EQX)	Combination		Top	71714.84	3822.81	0	-77772.03	1455925.91	-642963.84
story2	1.2(DL+LL-EQX)	Combination		Bottom	72704.86	3822.81	0	-77772.03	1476255.09	-640571.19
story2	1.2(DL+LL+RSX)	Combination	Max	Top	71714.84	3491.22	375.67	77386.24	1458895.1	-650437.76
story2	1.2(DL+LL+RSX)	Combination	Max	Bottom	72704.86	3491.22	375.67	77386.24	1480299.78	-649181.73
story2	1.2(DL+LL+RSX)	Combination	Min	Top	71714.84	-3491.22	-375.67	-77386.24	1452956.71	-696359.1
story2	1.2(DL+LL+RSX)	Combination	Min	Bottom	72704.86	-3491.22	-375.67	-77386.24	1472210.41	-716148.98
story2	1.2(DL+LL-RSX)	Combination	Max	Top	71714.84	3491.22	375.67	77386.24	1458895.1	-650437.76
story2	1.2(DL+LL-RSX)	Combination	Max	Bottom	72704.86	3491.22	375.67	77386.24	1480299.78	-649181.73
story2	1.2(DL+LL-RSX)	Combination	Min	Top	71714.84	-3491.22	-375.67	-77386.24	1452956.71	-696359.1
story2	1.2(DL+LL-RSX)	Combination	Min	Bottom	72704.86	-3491.22	-375.67	-77386.24	1472210.41	-716148.98
story2	1.2(DL+LL+EQY)	Combination		Top	71714.84	0	-3822.81	-36207.35	1486360.5	-673398.43
story2	1.2(DL+LL+EQY)	Combination		Bottom	72704.86	0	-3822.81	-36207.35	1518349.25	-682665.36
story2	1.2(DL+LL-EQY)	Combination		Top	71714.84	0	3822.81	36207.35	1425491.31	-673398.43
story2	1.2(DL+LL-EQY)	Combination		Bottom	72704.86	0	3822.81	36207.35	1434160.93	-682665.36
story2	1.2(DL+LL+RSY)	Combination	Max	Top	71714.84	350.13	3621.14	41614.08	1481216.57	-670877.58
story2	1.2(DL+LL+RSY)	Combination	Max	Bottom	72704.86	350.13	3621.14	41614.08	1512397.77	-679190.8
story2	1.2(DL+LL+RSY)	Combination	Min	Top	71714.84	-350.13	-3621.14	-41614.08	1430635.24	-675919.29
story2	1.2(DL+LL+RSY)	Combination	Min	Bottom	72704.86	-350.13	-3621.14	-41614.08	1440112.41	-686139.91
story2	1.2(DL+LL-RSY)	Combination	Max	Top	71714.84	350.13	3621.14	41614.08	1481216.57	-670877.58
story2	1.2(DL+LL-RSY)	Combination	Max	Bottom	72704.86	350.13	3621.14	41614.08	1512397.77	-679190.8
story2	1.2(DL+LL-	Combination	Min	Top	71714.84	-350.13	-3621.14	-41614.08	1430635.24	-675919.29

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
	RSY)									
story2	1.2(DL+LL-RSY)	Combination	Min	Bottom	72704.86	-350.13	-3621.14	-41614.08	1440112.41	-686139.91
story2	1.5(DL+EQX)	Combination		Top	80065.91	-4778.51	0	97215.04	1624524.02	-792319.64
story2	1.5(DL+EQX)	Combination		Bottom	81303.43	-4778.51	0	97215.04	1649935.51	-818477.75
story2	1.5(DL+EQY)	Combination		Top	80065.91	0	-4778.51	-45259.19	1662567.27	-754276.4
story2	1.5(DL+EQY)	Combination		Bottom	81303.43	0	-4778.51	-45259.19	1702553.21	-765860.05
story2	1.5(DL+RSX)	Combination	Max	Top	80065.91	4364.03	469.59	96732.8	1628235.51	-725575.56
story2	1.5(DL+RSX)	Combination	Max	Bottom	81303.43	4364.03	469.59	96732.8	1654991.36	-724005.53
story2	1.5(DL+RSX)	Combination	Min	Top	80065.91	-4364.03	-469.59	-96732.8	1620812.53	-782977.24
story2	1.5(DL+RSX)	Combination	Min	Bottom	81303.43	-4364.03	-469.59	-96732.8	1644879.65	-807714.58
story2	1.5(DL+RSY)	Combination	Max	Top	80065.91	437.66	4526.42	52017.6	1656137.35	-751125.33
story2	1.5(DL+RSY)	Combination	Max	Bottom	81303.43	437.66	4526.42	52017.6	1695113.85	-761516.86
story2	1.5(DL+RSY)	Combination	Min	Top	80065.91	-437.66	-4526.42	-52017.6	1592910.69	-757427.47
story2	1.5(DL+RSY)	Combination	Min	Bottom	81303.43	-437.66	-4526.42	-52017.6	1604757.16	-770203.24
story2	1.5(DL-EQX)	Combination		Top	80065.91	4778.51	0	-97215.04	1624524.02	-716233.15
story2	1.5(DL-EQX)	Combination		Bottom	81303.43	4778.51	0	-97215.04	1649935.51	-713242.35
story2	1.5(DL-EQY)	Combination		Top	80065.91	0	4778.51	45259.19	1586480.78	-754276.4
story2	1.5(DL-EQY)	Combination		Bottom	81303.43	0	4778.51	45259.19	1597317.8	-765860.05
story2	1.5(DL-RSX)	Combination	Max	Top	80065.91	4364.03	469.59	96732.8	1628235.51	-725575.56
story2	1.5(DL-RSX)	Combination	Max	Bottom	81303.43	4364.03	469.59	96732.8	1654991.36	-724005.53
story2	1.5(DL-RSX)	Combination	Min	Top	80065.91	-4364.03	-469.59	-96732.8	1620812.53	-782977.24
story2	1.5(DL-RSX)	Combination	Min	Bottom	81303.43	-4364.03	-469.59	-96732.8	1644879.65	-807714.58
story2	1.5(DL-RSY)	Combination	Max	Top	80065.91	437.66	4526.42	52017.6	1656137.35	-751125.33
story2	1.5(DL-RSY)	Combination	Max	Bottom	81303.43	437.66	4526.42	52017.6	1695113.85	-761516.86
story2	1.5(DL-RSY)	Combination	Min	Top	80065.91	-437.66	-4526.42	-52017.6	1592910.69	-757427.47
story2	1.5(DL-RSY)	Combination	Min	Bottom	81303.43	-437.66	-4526.42	-52017.6	1604757.16	-770203.24
story2	DL+0.8LL+0.8EQX	Combination		Top	58485.35	-2548.54	0	51848.02	1187220.47	-569792.21
story2	DL+0.8LL+0.8EQX	Combination		Bottom	59310.37	-2548.54	0	51848.02	1204161.46	-585287.68
story2	DL+0.8LL+0.8EQY	Combination		Top	58485.35	0	-2548.54	-24138.24	1207510.2	-549502.47
story2	DL+0.8LL+0.8EQY	Combination		Bottom	59310.37	0	-2548.54	-24138.24	1232224.24	-557224.91
story2	DL+0.8LL+0.8RSX	Combination		Top	58485.35	0	-2548.54	-24138.24	1207510.2	-549502.47
story2	DL+0.8LL+0.8RSX	Combination		Bottom	59310.37	0	-2548.54	-24138.24	1232224.24	-557224.91
story2	DL+0.8LL-0.8EQX	Combination		Top	58485.35	2548.54	0	-51848.02	1187220.47	-529212.74
story2	DL+0.8LL-0.8EQX	Combination		Bottom	59310.37	2548.54	0	-51848.02	1204161.46	-529162.14
story2	DL+0.8LL-0.8EQY	Combination		Top	58485.35	0	2548.54	24138.24	1166930.74	-549502.47
story2	DL+0.8LL-0.8EQY	Combination		Bottom	59310.37	0	2548.54	24138.24	1176098.69	-557224.91
story2	DL+0.8LL-0.8RSX	Combination	Max	Top	58485.35	2327.48	250.45	51590.83	1189199.93	-534195.36
story2	DL+0.8LL-0.8RSX	Combination	Max	Bottom	59310.37	2327.48	250.45	51590.83	1206857.92	-534902.5
story2	DL+0.8LL-0.8RSX	Combination	Min	Top	58485.35	-2327.48	-250.45	-51590.83	1185241.01	-564809.59
story2	DL+0.8LL-0.8RSX	Combination	Min	Bottom	59310.37	-2327.48	-250.45	-51590.83	1201465	-579547.32
story2	DL+0.8LL+0.8RSY	Combination	Max	Top	58485.35	233.42	2414.09	27742.72	1204080.92	-547821.9
story2	DL+0.8LL+0.8RSY	Combination	Max	Bottom	59310.37	233.42	2414.09	27742.72	1228256.58	-554908.54

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story2	DL+0.8LL+0.8 RSY	Combination	Min	Top	58485.35	-233.42	-2414.09	-27742.72	1170360.03	-551183.05
story2	DL+0.8LL+0.8 RSY	Combination	Min	Bottom	59310.37	-233.42	-2414.09	-27742.72	1180066.34	-559541.28
story2	DL+0.8LL-0.8RSY	Combination	Max	Top	58485.35	233.42	2414.09	27742.72	1204080.92	-547821.9
story2	DL+0.8LL-0.8RSY	Combination	Max	Bottom	59310.37	233.42	2414.09	27742.72	1228256.58	-554908.54
story2	DL+0.8LL-0.8RSY	Combination	Min	Top	58485.35	-233.42	-2414.09	-27742.72	1170360.03	-551183.05
story2	DL+0.8LL-0.8RSY	Combination	Min	Bottom	59310.37	-233.42	-2414.09	-27742.72	1180066.34	-559541.28
story2	DL+EQX	Combination		Top	53377.27	-3185.67	0	64810.03	1083016.02	-528213.1
story2	DL+EQX	Combination		Bottom	54202.29	-3185.67	0	64810.03	1099957	-545651.84
story2	DL+EQY	Combination		Top	53377.27	0	-3185.67	-30172.79	1108378.18	-502850.93
story2	DL+EQY	Combination		Bottom	54202.29	0	-3185.67	-30172.79	1135035.47	-510573.37
story2	DL+RSX	Combination	Max	Top	53377.27	2909.35	313.06	64488.53	1085490.34	-483717.04
story2	DL+RSX	Combination	Max	Bottom	54202.29	2909.35	313.06	64488.53	1103327.57	-482670.35
story2	DL+RSX	Combination	Min	Top	53377.27	-2909.35	-313.06	-64488.53	1080541.69	-521984.82
story2	DL+RSX	Combination	Min	Bottom	54202.29	-2909.35	-313.06	-64488.53	1096586.43	-538476.39
story2	DL+RSY	Combination	Max	Top	53377.27	291.77	3017.62	34678.4	1104091.57	-500750.22
story2	DL+RSY	Combination	Max	Bottom	54202.29	291.77	3017.62	34678.4	1130075.9	-507677.91
story2	DL+RSY	Combination	Min	Top	53377.27	-291.77	-3017.62	-34678.4	1061940.46	-504951.64
story2	DL+RSY	Combination	Min	Bottom	54202.29	-291.77	-3017.62	-34678.4	1069838.11	-513468.83
story2	DL-EQX	Combination		Top	53377.27	3185.67	0	-64810.03	1083016.02	-477488.77
story2	DL-EQX	Combination		Bottom	54202.29	3185.67	0	-64810.03	1099957	-475494.9
story2	DL-EQY	Combination		Top	53377.27	0	3185.67	30172.79	1057653.85	-502850.93
story2	DL-EQY	Combination		Bottom	54202.29	0	3185.67	30172.79	1064878.54	-510573.37
story2	DL-RSX	Combination	Max	Top	53377.27	2909.35	313.06	64488.53	1085490.34	-483717.04
story2	DL-RSX	Combination	Max	Bottom	54202.29	2909.35	313.06	64488.53	1103327.57	-482670.35
story2	DL-RSX	Combination	Min	Top	53377.27	-2909.35	-313.06	-64488.53	1080541.69	-521984.82
story2	DL-RSX	Combination	Min	Bottom	54202.29	-2909.35	-313.06	-64488.53	1096586.43	-538476.39
story2	DL-RSY	Combination	Max	Top	53377.27	291.77	3017.62	34678.4	1104091.57	-500750.22
story2	DL-RSY	Combination	Max	Bottom	54202.29	291.77	3017.62	34678.4	1130075.9	-507677.91
story2	DL-RSY	Combination	Min	Top	53377.27	-291.77	-3017.62	-34678.4	1061940.46	-504951.64
story2	DL-RSY	Combination	Min	Bottom	54202.29	-291.77	-3017.62	-34678.4	1069838.11	-513468.83
story2	1.5(DL+LL)	Combination		Top	89643.55	0	0	0	1819907.38	-841748.04
story2	1.5(DL+LL)	Combination		Bottom	90881.08	0	0	0	1845318.86	-853331.69
story2	ultimate envelope	Combination	Max	Top	89643.55	4778.51	4778.51	97215.04	1819907.38	-477928
story2	ultimate envelope	Combination	Max	Bottom	90881.08	4778.51	4778.51	97215.04	1845318.86	-494594.5
story2	ultimate envelope	Combination	Min	Top	48039.55	-4778.51	-4778.51	-97215.04	974714.41	-841748.04
story2	ultimate envelope	Combination	Min	Bottom	48782.06	-4778.51	-4778.51	-97215.04	989961.3	-853331.69
story2	seismic weight	Combination		Top	54973.55	0	0	0	1115579.91	-517429.54
story2	seismic weight	Combination		Bottom	55798.56	0	0	0	1132520.9	-525151.97
story1	Dead	LinStatic		Top	25217.18	0	0	0	515332.41	-240194.5
story1	Dead	LinStatic		Bottom	26190.97	0	0	0	535328.33	-249309.51
story1	Live	LinStatic		Top	8051.38	0	0	0	163294.95	-74302.72
story1	Live	LinStatic		Bottom	8051.38	0	0	0	163294.95	-74302.72
story1	Floor finish	LinStatic		Top	10173.2	0	0	0	209018.53	-97606.47
story1	Floor finish	LinStatic		Bottom	10173.2	0	0	0	209018.53	-97606.47
story1	sunken filling	LinStatic		Top	2322.02	0	0	0	44733.79	-21504.23
story1	sunken filling	LinStatic		Bottom	2322.02	0	0	0	44733.79	-21504.23

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story1	wall load	LinStatic		Top	28172.96	0	0	0	562078.6	-261640.66
story1	wall load	LinStatic		Bottom	28172.96	0	0	0	562078.6	-261640.66
story1	sesmic - X	LinStatic		Top	0	-3245.69	0	66000.97	0	-35078.47
story1	sesmic - X	LinStatic		Bottom	0	-3245.69	0	66000.97	0	-46762.96
story1	sesmic - Y	LinStatic		Top	0	0	-3245.69	-30739.75	35078.47	0
story1	sesmic - Y	LinStatic		Bottom	0	0	-3245.69	-30739.75	46762.96	0
story1	RSX	LinRespSpec	Max	Top	0	3189.54	327.02	70677.76	3370.57	27903.02
story1	RSX	LinRespSpec	Max	Bottom	0	3189.54	327.02	70677.76	4474.11	39235.49
story1	RXY	LinRespSpec	Max	Top	0	333.14	3239.34	37566.23	30118.9	2895.46
story1	RXY	LinRespSpec	Max	Bottom	0	333.14	3239.34	37566.23	41560.37	3948.34
story1	roof live	LinStatic		Top	1304.75	0	0	0	27066.78	-12557.23
story1	roof live	LinStatic		Bottom	1304.75	0	0	0	27066.78	-12557.23
story1	(DL+LL)	Combination		Top	73936.73	0	0	0	1494458.27	-695248.59
story1	(DL+LL)	Combination		Bottom	74910.52	0	0	0	1514454.19	-704363.59
story1	09DL+EQX	Combination		Top	59296.82	-3245.69	0	66000.97	1198046.99	-593929.74
story1	09DL+EQX	Combination		Bottom	60173.23	-3245.69	0	66000.97	1216043.32	-613817.74
story1	09DL-EQX	Combination		Top	84514.01	3245.69	0	-66000.97	1713379.4	-763967.31
story1	09DL-EQX	Combination		Bottom	86364.21	3245.69	0	-66000.97	1751371.64	-769601.33
story1	0.9DL+RSX	Combination	Max	Top	84514.01	3189.54	327.02	70677.76	1716749.97	-771142.76
story1	0.9DL+RSX	Combination	Max	Bottom	86364.21	3189.54	327.02	70677.76	1755845.75	-777128.8
story1	0.9DL+RSX	Combination	Min	Top	84514.01	-3189.54	-327.02	-70677.76	1710008.82	-826948.8
story1	0.9DL+RSX	Combination	Min	Bottom	86364.21	-3189.54	-327.02	-70677.76	1746897.53	-855599.78
story1	0.9DL-RSX	Combination	Max	Top	84514.01	3189.54	327.02	70677.76	1716749.97	-771142.76
story1	0.9DL-RSX	Combination	Max	Bottom	86364.21	3189.54	327.02	70677.76	1755845.75	-777128.8
story1	0.9DL-RSX	Combination	Min	Top	84514.01	-3189.54	-327.02	-70677.76	1710008.82	-826948.8
story1	0.9DL-RSX	Combination	Min	Bottom	86364.21	-3189.54	-327.02	-70677.76	1746897.53	-855599.78
story1	09DL-EQY	Combination		Top	84514.01	0	3245.69	30739.75	1678300.93	-799045.78
story1	09DL-EQY	Combination		Bottom	86364.21	0	3245.69	30739.75	1704608.68	-816364.29
story1	09DL+EQY	Combination		Top	84514.01	0	-3245.69	-30739.75	1748457.86	-799045.78
story1	09DL+EQY	Combination		Bottom	86364.21	0	-3245.69	-30739.75	1798134.61	-816364.29
story1	0.9DL+RSY	Combination	Max	Top	84514.01	333.14	3239.34	37566.23	1743498.29	-796150.32
story1	0.9DL+RSY	Combination	Max	Bottom	86364.21	333.14	3239.34	37566.23	1792932.01	-812415.95
story1	0.9DL+RSY	Combination	Min	Top	84514.01	-333.14	-3239.34	-37566.23	1683260.5	-801941.24
story1	0.9DL+RSY	Combination	Min	Bottom	86364.21	-333.14	-3239.34	-37566.23	1709811.27	-820312.63
story1	0.9DL-RSY	Combination	Max	Top	84514.01	333.14	3239.34	37566.23	1743498.29	-796150.32
story1	0.9DL-RSY	Combination	Max	Bottom	86364.21	333.14	3239.34	37566.23	1792932.01	-812415.95
story1	0.9DL-RSY	Combination	Min	Top	84514.01	-333.14	-3239.34	-37566.23	1683260.5	-801941.24
story1	0.9DL-RSY	Combination	Min	Bottom	86364.21	-333.14	-3239.34	-37566.23	1709811.27	-820312.63
story1	1.2(DL+LL+EQX)	Combination		Top	88724.08	-3894.83	0	79201.16	1793349.92	-876392.46
story1	1.2(DL+LL+EQX)	Combination		Bottom	89892.63	-3894.83	0	79201.16	1817345.03	-901351.86
story1	1.2(DL+LL-EQX)	Combination		Top	88724.08	3894.83	0	-79201.16	1793349.92	-792204.14
story1	1.2(DL+LL-EQX)	Combination		Bottom	89892.63	3894.83	0	-79201.16	1817345.03	-789120.76
story1	1.2(DL+LL+RSX)	Combination	Max	Top	88724.08	3827.45	392.43	84813.31	1797394.61	-800814.68
story1	1.2(DL+LL+RSX)	Combination	Max	Bottom	89892.63	3827.45	392.43	84813.31	1822713.96	-798153.72
story1	1.2(DL+LL+RSX)	Combination	Min	Top	88724.08	-3827.45	-392.43	-84813.31	1789305.24	-867781.92
story1	1.2(DL+LL+RSX)	Combination	Min	Bottom	89892.63	-3827.45	-392.43	-84813.31	1811976.1	-892318.9

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story1	1.2(DL+LL-RSX)	Combination	Max	Top	88724.08	3827.45	392.43	84813.31	1797394.61	-800814.68
story1	1.2(DL+LL-RSX)	Combination	Max	Bottom	89892.63	3827.45	392.43	84813.31	1822713.96	-798153.72
story1	1.2(DL+LL-RSX)	Combination	Min	Top	88724.08	-3827.45	-392.43	-84813.31	1789305.24	-867781.92
story1	1.2(DL+LL-RSX)	Combination	Min	Bottom	89892.63	-3827.45	-392.43	-84813.31	1811976.1	-892318.9
story1	1.2(DL+LL+EQY)	Combination		Top	88724.08	0	-3894.83	-36887.7	1835444.09	-834298.3
story1	1.2(DL+LL+EQY)	Combination		Bottom	89892.63	0	-3894.83	-36887.7	1873460.58	-845236.31
story1	1.2(DL+LL-EQY)	Combination		Top	88724.08	0	3894.83	36887.7	1751255.76	-834298.3
story1	1.2(DL+LL-EQY)	Combination		Bottom	89892.63	0	3894.83	36887.7	1761229.47	-845236.31
story1	1.2(DL+LL+RSY)	Combination	Max	Top	88724.08	399.77	3887.21	45079.48	1829492.6	-830823.75
story1	1.2(DL+LL+RSY)	Combination	Max	Bottom	89892.63	399.77	3887.21	45079.48	1867217.47	-840498.3
story1	1.2(DL+LL+RSY)	Combination	Min	Top	88724.08	-399.77	-3887.21	-45079.48	1757207.25	-837772.86
story1	1.2(DL+LL+RSY)	Combination	Min	Bottom	89892.63	-399.77	-3887.21	-45079.48	1767472.58	-849974.32
story1	1.2(DL+LL-RSY)	Combination	Max	Top	88724.08	399.77	3887.21	45079.48	1829492.6	-830823.75
story1	1.2(DL+LL-RSY)	Combination	Max	Bottom	89892.63	399.77	3887.21	45079.48	1867217.47	-840498.3
story1	1.2(DL+LL-RSY)	Combination	Min	Top	88724.08	-399.77	-3887.21	-45079.48	1757207.25	-837772.86
story1	1.2(DL+LL-RSY)	Combination	Min	Bottom	89892.63	-399.77	-3887.21	-45079.48	1767472.58	-849974.32
story1	1.5(DL+EQX)	Combination		Top	98828.04	-4868.54	0	99001.45	1996744.98	-984036.5
story1	1.5(DL+EQX)	Combination		Bottom	100288.72	-4868.54	0	99001.45	2026738.86	-1015235.75
story1	1.5(DL+EQY)	Combination		Top	98828.04	0	-4868.54	-46109.62	2049362.69	-931418.79
story1	1.5(DL+EQY)	Combination		Bottom	100288.72	0	-4868.54	-46109.62	2096883.31	-945091.3
story1	1.5(DL+RSX)	Combination	Max	Top	98828.04	4784.31	490.53	106016.64	2001800.84	-889564.27
story1	1.5(DL+RSX)	Combination	Max	Bottom	100288.72	4784.31	490.53	106016.64	2033450.03	-886238.06
story1	1.5(DL+RSX)	Combination	Min	Top	98828.04	-4784.31	-490.53	-106016.64	1991689.13	-973273.32
story1	1.5(DL+RSX)	Combination	Min	Bottom	100288.72	-4784.31	-490.53	-106016.64	2020027.7	-1003944.55
story1	1.5(DL+RSY)	Combination	Max	Top	98828.04	499.71	4859.01	56349.35	2041923.33	-927075.6
story1	1.5(DL+RSY)	Combination	Max	Bottom	100288.72	499.71	4859.01	56349.35	2089079.42	-939168.79
story1	1.5(DL+RSY)	Combination	Min	Top	98828.04	-499.71	-4859.01	-56349.35	1951566.64	-935761.99
story1	1.5(DL+RSY)	Combination	Min	Bottom	100288.72	-499.71	-4859.01	-56349.35	1964398.31	-951013.81
story1	1.5(DL-EQX)	Combination		Top	98828.04	4868.54	0	-99001.45	1996744.98	-878801.09
story1	1.5(DL-EQX)	Combination		Bottom	100288.72	4868.54	0	-99001.45	2026738.86	-874946.86
story1	1.5(DL-EQY)	Combination		Top	98828.04	0	4868.54	46109.62	1944127.28	-931418.79
story1	1.5(DL-EQY)	Combination		Bottom	100288.72	0	4868.54	46109.62	1956594.42	-945091.3
story1	1.5(DL-RSX)	Combination	Max	Top	98828.04	4784.31	490.53	106016.64	2001800.84	-889564.27
story1	1.5(DL-RSX)	Combination	Max	Bottom	100288.72	4784.31	490.53	106016.64	2033450.03	-886238.06
story1	1.5(DL-RSX)	Combination	Min	Top	98828.04	-4784.31	-490.53	-106016.64	1991689.13	-973273.32
story1	1.5(DL-RSX)	Combination	Min	Bottom	100288.72	-4784.31	-490.53	-106016.64	2020027.7	-1003944.55
story1	1.5(DL-RSY)	Combination	Max	Top	98828.04	499.71	4859.01	56349.35	2041923.33	-927075.6
story1	1.5(DL-RSY)	Combination	Max	Bottom	100288.72	499.71	4859.01	56349.35	2089079.42	-939168.79
story1	1.5(DL-RSY)	Combination	Min	Top	98828.04	-499.71	-4859.01	-56349.35	1951566.64	-935761.99
story1	1.5(DL-RSY)	Combination	Min	Bottom	100288.72	-499.71	-4859.01	-56349.35	1964398.31	-951013.81
story1	DL+0.8LL+0.8EQX	Combination		Top	72326.46	-2596.55	0	52800.77	1461799.28	-708450.82
story1	DL+0.8LL+0.8EQX	Combination		Bottom	73300.25	-2596.55	0	52800.77	1481795.2	-726913.42

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story1	DL+0.8LL+0.8 EQY	Combination		Top	72326.46	0	-2596.55	-24591.8	1489862.05	-680388.04
story1	DL+0.8LL+0.8 EQY	Combination		Bottom	73300.25	0	-2596.55	-24591.8	1519205.57	-689503.05
story1	DL+0.8LL+0.8 RSX	Combination		Top	72326.46	0	-2596.55	-24591.8	1489862.05	-680388.04
story1	DL+0.8LL+0.8 RSX	Combination		Bottom	73300.25	0	-2596.55	-24591.8	1519205.57	-689503.05
story1	DL+0.8LL-0.8EQX	Combination		Top	72326.46	2596.55	0	-52800.77	1461799.28	-652325.27
story1	DL+0.8LL-0.8EQX	Combination		Bottom	73300.25	2596.55	0	-52800.77	1481795.2	-652092.68
story1	DL+0.8LL-0.8EQY	Combination		Top	72326.46	0	2596.55	24591.8	1433736.51	-680388.04
story1	DL+0.8LL-0.8EQY	Combination		Bottom	73300.25	0	2596.55	24591.8	1444384.83	-689503.05
story1	DL+0.8LL-0.8RSX	Combination	Max	Top	72326.46	2551.63	261.62	56542.21	1464495.74	-658065.63
story1	DL+0.8LL-0.8RSX	Combination	Max	Bottom	73300.25	2551.63	261.62	56542.21	1485374.49	-658114.65
story1	DL+0.8LL-0.8RSX	Combination	Min	Top	72326.46	-2551.63	-261.62	-56542.21	1459102.82	-702710.46
story1	DL+0.8LL-0.8RSX	Combination	Min	Bottom	73300.25	-2551.63	-261.62	-56542.21	1478215.91	-720891.44
story1	DL+0.8LL+0.8 RSY	Combination	Max	Top	72326.46	266.51	2591.47	30052.99	1485894.4	-678071.67
story1	DL+0.8LL+0.8 RSY	Combination	Max	Bottom	73300.25	266.51	2591.47	30052.99	1515043.5	-686344.37
story1	DL+0.8LL+0.8 RSY	Combination	Min	Top	72326.46	-266.51	-2591.47	-30052.99	1437704.16	-682704.41
story1	DL+0.8LL+0.8 RSY	Combination	Min	Bottom	73300.25	-266.51	-2591.47	-30052.99	1448546.9	-692661.72
story1	DL+0.8LL-0.8RSY	Combination	Max	Top	72326.46	266.51	2591.47	30052.99	1485894.4	-678071.67
story1	DL+0.8LL-0.8RSY	Combination	Max	Bottom	73300.25	266.51	2591.47	30052.99	1515043.5	-686344.37
story1	DL+0.8LL-0.8RSY	Combination	Min	Top	72326.46	-266.51	-2591.47	-30052.99	1437704.16	-682704.41
story1	DL+0.8LL-0.8RSY	Combination	Min	Bottom	73300.25	-266.51	-2591.47	-30052.99	1448546.9	-692661.72
story1	DL+EQX	Combination		Top	65885.36	-3245.69	0	66000.97	1331163.32	-656024.33
story1	DL+EQX	Combination		Bottom	66859.15	-3245.69	0	66000.97	1351159.24	-676823.83
story1	DL+EQY	Combination		Top	65885.36	0	-3245.69	-30739.75	1366241.79	-620945.86
story1	DL+EQY	Combination		Bottom	66859.15	0	-3245.69	-30739.75	1397922.2	-630060.87
story1	DL+RSX	Combination	Max	Top	65885.36	3189.54	327.02	70677.76	1334533.89	-593042.85
story1	DL+RSX	Combination	Max	Bottom	66859.15	3189.54	327.02	70677.76	1355633.35	-590825.37
story1	DL+RSX	Combination	Min	Top	65885.36	-3189.54	-327.02	-70677.76	1327792.75	-648848.88
story1	DL+RSX	Combination	Min	Bottom	66859.15	-3189.54	-327.02	-70677.76	1346685.13	-669296.36
story1	DL+RSY	Combination	Max	Top	65885.36	333.14	3239.34	37566.23	1361282.22	-618050.4
story1	DL+RSY	Combination	Max	Bottom	66859.15	333.14	3239.34	37566.23	1392719.61	-626112.53
story1	DL+RSY	Combination	Min	Top	65885.36	-333.14	-3239.34	-37566.23	1301044.43	-623841.32
story1	DL+RSY	Combination	Min	Bottom	66859.15	-333.14	-3239.34	-37566.23	1309598.87	-634009.21
story1	DL-EQX	Combination		Top	65885.36	3245.69	0	-66000.97	1331163.32	-585867.4
story1	DL-EQX	Combination		Bottom	66859.15	3245.69	0	-66000.97	1351159.24	-583297.91
story1	DL-EQY	Combination		Top	65885.36	0	3245.69	30739.75	1296084.85	-620945.86
story1	DL-EQY	Combination		Bottom	66859.15	0	3245.69	30739.75	1304396.28	-630060.87
story1	DL-RSX	Combination	Max	Top	65885.36	3189.54	327.02	70677.76	1334533.89	-593042.85
story1	DL-RSX	Combination	Max	Bottom	66859.15	3189.54	327.02	70677.76	1355633.35	-590825.37
story1	DL-RSX	Combination	Min	Top	65885.36	-3189.54	-327.02	-70677.76	1327792.75	-648848.88
story1	DL-RSX	Combination	Min	Bottom	66859.15	-3189.54	-327.02	-70677.76	1346685.13	-669296.36

Loads

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
story1	DL-RSY	Combination	Max	Top	65885.36	333.14	3239.34	37566.23	1361282.22	-618050.4
story1	DL-RSY	Combination	Max	Bottom	66859.15	333.14	3239.34	37566.23	1392719.61	-626112.53
story1	DL-RSY	Combination	Min	Top	65885.36	-333.14	-3239.34	-37566.23	1301044.43	-623841.32
story1	DL-RSY	Combination	Min	Bottom	66859.15	-333.14	-3239.34	-37566.23	1309598.87	-634009.21
story1	1.5(DL+LL)	Combination		Top	110905.1	0	0	0	2241687.4	-1042872.88
story1	1.5(DL+LL)	Combination		Bottom	112365.79	0	0	0	2271681.28	-1056545.39
story1	ultimate envelope	Combination	Max	Top	110905.1	4868.54	4868.54	106016.64	2241687.4	-593929.74
story1	ultimate envelope	Combination	Max	Bottom	112365.79	4868.54	4868.54	106016.64	2271681.28	-613817.74
story1	ultimate envelope	Combination	Min	Top	59296.82	-4868.54	-4868.54	-106016.64	1198046.99	-1042872.88
story1	ultimate envelope	Combination	Min	Bottom	60173.23	-4868.54	-4868.54	-106016.64	1216043.32	-1056545.39
story1	seismic weight	Combination		Top	67898.2	0	0	0	1371987.06	-639521.54
story1	seismic weight	Combination		Bottom	68871.99	0	0	0	1391982.98	-648636.55
plinth beam	Dead	LinStatic		Top	27084.22	0	0	0	553017.15	-258022.19
plinth beam	Dead	LinStatic		Bottom	27354.72	0	0	0	558571.57	-260554.14
plinth beam	Live	LinStatic		Top	8051.38	0	0	0	163294.95	-74302.72
plinth beam	Live	LinStatic		Bottom	8051.38	0	0	0	163294.95	-74302.72
plinth beam	Floor finish	LinStatic		Top	10173.2	0	0	0	209018.53	-97606.47
plinth beam	Floor finish	LinStatic		Bottom	10173.2	0	0	0	209018.53	-97606.47
plinth beam	sunken filling	LinStatic		Top	2322.02	0	0	0	44733.79	-21504.23
plinth beam	sunken filling	LinStatic		Bottom	2322.02	0	0	0	44733.79	-21504.23
plinth beam	wall load	LinStatic		Top	30287.49	0	0	0	605483.27	-278741.24
plinth beam	wall load	LinStatic		Bottom	30536.49	0	0	0	610641.53	-281153.19
plinth beam	sesmic - X	LinStatic		Top	0	-3245.69	0	66000.97	0	-46762.96
plinth beam	sesmic - X	LinStatic		Bottom	0	-3245.69	0	66000.97	0	-50008.65
plinth beam	sesmic - Y	LinStatic		Top	0	0	-3245.69	-30739.75	46762.96	0
plinth beam	sesmic - Y	LinStatic		Bottom	0	0	-3245.69	-30739.75	50008.65	0
plinth beam	RSX	LinRespSpec	Max	Top	0	3196	327.38	70818.09	4474.11	39235.49
plinth beam	RSX	LinRespSpec	Max	Bottom	0	3196	327.38	70818.09	4787.05	42403.51
plinth beam	RXY	LinRespSpec	Max	Top	0	334.25	3242.72	37611.27	41560.37	3948.34
plinth beam	RXY	LinRespSpec	Max	Bottom	0	334.25	3242.72	37611.27	44761.47	4255.05
plinth beam	roof live	LinStatic		Top	1304.75	0	0	0	27066.78	-12557.23
plinth beam	roof live	LinStatic		Bottom	1304.75	0	0	0	27066.78	-12557.23
plinth beam	(DL+LL)	Combination		Top	77916.31	0	0	0	1575547.68	-730176.85
plinth beam	(DL+LL)	Combination		Bottom	78497.81	0	0	0	1586260.36	-735120.75
plinth beam	09DL+EQX	Combination		Top	62880.24	-3245.69	0	66000.97	1271027.46	-637049.68
plinth beam	09DL+EQX	Combination		Bottom	63347.79	-3245.69	0	66000.97	1280668.87	-644744.88
plinth beam	09DL-EQX	Combination		Top	89964.47	3245.69	0	-66000.97	1824044.61	-801545.95
plinth beam	09DL-EQX	Combination		Bottom	90702.51	3245.69	0	-66000.97	1839240.44	-805281.71
plinth beam	0.9DL+RSX	Combination	Max	Top	89964.47	3196	327.38	70818.09	1828518.72	-809073.42
plinth beam	0.9DL+RSX	Combination	Max	Bottom	90702.51	3196	327.38	70818.09	1844027.49	-812686.86
plinth beam	0.9DL+RSX	Combination	Min	Top	89964.47	-3196	-327.38	-70818.09	1819570.5	-887544.41
plinth beam	0.9DL+RSX	Combination	Min	Bottom	90702.51	-3196	-327.38	-70818.09	1834453.39	-897693.87
plinth beam	0.9DL-RSX	Combination	Max	Top	89964.47	3196	327.38	70818.09	1828518.72	-809073.42
plinth beam	0.9DL-RSX	Combination	Max	Bottom	90702.51	3196	327.38	70818.09	1844027.49	-812686.86
plinth beam	0.9DL-RSX	Combination	Min	Top	89964.47	-3196	-327.38	-70818.09	1819570.5	-887544.41
plinth beam	0.9DL-RSX	Combination	Min	Bottom	90702.51	-3196	-327.38	-70818.09	1834453.39	-897693.87
plinth beam	09DL-EQY	Combination		Top	89964.47	0	3245.69	30739.75	1777281.64	-846308.91

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
plinth beam	09DL-EQY	Combination		Bottom	90702.51	0	3245.69	30739.75	1789231.79	-855290.37
plinth beam	09DL+EQY	Combination		Top	89964.47	0	-3245.69	-30739.75	1870807.57	-848308.91
plinth beam	09DL+EQY	Combination		Bottom	90702.51	0	-3245.69	-30739.75	1889249.09	-855290.37
plinth beam	0.9DL+RSY	Combination	Max	Top	89964.47	334.25	3242.72	37611.27	1865604.98	-844360.57
plinth beam	0.9DL+RSY	Combination	Max	Bottom	90702.51	334.25	3242.72	37611.27	1884001.91	-851035.31
plinth beam	0.9DL+RSY	Combination	Min	Top	89964.47	-334.25	-3242.72	-37611.27	1782484.24	-852257.25
plinth beam	0.9DL+RSY	Combination	Min	Bottom	90702.51	-334.25	-3242.72	-37611.27	1794478.97	-859545.42
plinth beam	0.9DL-RSY	Combination	Max	Top	89964.47	334.25	3242.72	37611.27	1865604.98	-844360.57
plinth beam	0.9DL-RSY	Combination	Max	Bottom	90702.51	334.25	3242.72	37611.27	1884001.91	-851035.31
plinth beam	0.9DL-RSY	Combination	Min	Top	89964.47	-334.25	-3242.72	-37611.27	1782484.24	-852257.25
plinth beam	0.9DL-RSY	Combination	Min	Bottom	90702.51	-334.25	-3242.72	-37611.27	1794478.97	-859545.42
plinth beam	1.2(DL+LL+EQX)	Combination		Top	93501.97	-3894.83	0	79201.16	1890657.22	-932327.78
plinth beam	1.2(DL+LL+EQX)	Combination		Bottom	94125.37	-3894.83	0	79201.16	1903512.43	-942155.29
plinth beam	1.2(DL+LL-EQX)	Combination		Top	93501.97	3894.83	0	-79201.16	1890657.22	-820096.67
plinth beam	1.2(DL+LL-EQX)	Combination		Bottom	94125.37	3894.83	0	-79201.16	1903512.43	-822134.51
plinth beam	1.2(DL+LL+RSX)	Combination	Max	Top	93501.97	3835.2	392.86	84981.7	1896026.15	-829129.63
plinth beam	1.2(DL+LL+RSX)	Combination	Max	Bottom	94125.37	3835.2	392.86	84981.7	1909256.89	-831260.69
plinth beam	1.2(DL+LL+RSX)	Combination	Min	Top	93501.97	-3835.2	-392.86	-84981.7	1885288.28	-923294.82
plinth beam	1.2(DL+LL+RSX)	Combination	Min	Bottom	94125.37	-3835.2	-392.86	-84981.7	1897767.97	-933029.11
plinth beam	1.2(DL+LL-RSX)	Combination	Max	Top	93501.97	3835.2	392.86	84981.7	1896026.15	-829129.63
plinth beam	1.2(DL+LL-RSX)	Combination	Max	Bottom	94125.37	3835.2	392.86	84981.7	1909256.89	-831260.69
plinth beam	1.2(DL+LL-RSX)	Combination	Min	Top	93501.97	-3835.2	-392.86	-84981.7	1885288.28	-923294.82
plinth beam	1.2(DL+LL-RSX)	Combination	Min	Bottom	94125.37	-3835.2	-392.86	-84981.7	1897767.97	-933029.11
plinth beam	1.2(DL+LL+EQY)	Combination		Top	93501.97	0	-3894.83	-36887.7	1946772.77	-876212.23
plinth beam	1.2(DL+LL+EQY)	Combination		Bottom	94125.37	0	-3894.83	-36887.7	1963522.82	-882144.9
plinth beam	1.2(DL+LL-EQY)	Combination		Top	93501.97	0	3894.83	36887.7	1834541.66	-876212.23
plinth beam	1.2(DL+LL-EQY)	Combination		Bottom	94125.37	0	3894.83	36887.7	1843502.05	-882144.9
plinth beam	1.2(DL+LL+RSY)	Combination	Max	Top	93501.97	401.1	3891.26	45133.52	1940529.66	-871474.22
plinth beam	1.2(DL+LL+RSY)	Combination	Max	Bottom	94125.37	401.1	3891.26	45133.52	1957226.2	-877038.84
plinth beam	1.2(DL+LL+RSY)	Combination	Min	Top	93501.97	-401.1	-3891.26	-45133.52	1840784.77	-880950.23
plinth beam	1.2(DL+LL+RSY)	Combination	Min	Bottom	94125.37	-401.1	-3891.26	-45133.52	1849798.66	-887250.96
plinth beam	1.2(DL+LL-RSY)	Combination	Max	Top	93501.97	401.1	3891.26	45133.52	1940529.66	-871474.22
plinth beam	1.2(DL+LL-RSY)	Combination	Max	Bottom	94125.37	401.1	3891.26	45133.52	1957226.2	-877038.84
plinth beam	1.2(DL+LL-RSY)	Combination	Min	Top	93501.97	-401.1	-3891.26	-45133.52	1840784.77	-880950.23
plinth beam	1.2(DL+LL-RSY)	Combination	Min	Bottom	94125.37	-401.1	-3891.26	-45133.52	1849798.66	-887250.96
plinth beam	1.5(DL+EQX)	Combination		Top	104800.4	-4868.54	0	99001.45	2118379.1	-1053955.64
plinth beam	1.5(DL+EQX)	Combination		Bottom	105579.65	-4868.54	0	99001.45	2134448.12	-1066240.02

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
plinth beam	1.5(DL+EQY)	Combination		Top	104800.4	0	-4868.54	-46109.62	2188523.54	-983811.2
plinth beam	1.5(DL+EQY)	Combination		Bottom	105579.65	0	-4868.54	-46109.62	2209461.1	-991227.04
plinth beam	1.5(DL+RSX)	Combination	Max	Top	104800.4	4794	491.07	106227.13	2125090.26	-924957.96
plinth beam	1.5(DL+RSX)	Combination	Max	Bottom	105579.65	4794	491.07	106227.13	2141628.69	-927621.78
plinth beam	1.5(DL+RSX)	Combination	Min	Top	104800.4	-4794	-491.07	-106227.13	2111667.93	-1042664.44
plinth beam	1.5(DL+RSX)	Combination	Min	Bottom	105579.65	-4794	-491.07	-106227.13	2127267.55	-1054832.3
plinth beam	1.5(DL+RSY)	Combination	Max	Top	104800.4	501.37	4864.07	56416.9	2180719.66	-977888.69
plinth beam	1.5(DL+RSY)	Combination	Max	Bottom	105579.65	501.37	4864.07	56416.9	2201590.33	-984844.46
plinth beam	1.5(DL+RSY)	Combination	Min	Top	104800.4	-501.37	-4864.07	-56416.9	2056038.54	-989733.71
plinth beam	1.5(DL+RSY)	Combination	Min	Bottom	105579.65	-501.37	-4864.07	-56416.9	2067305.91	-997609.62
plinth beam	1.5(DL-EQX)	Combination		Top	104800.4	4868.54	0	-99001.45	2118379.1	-913666.76
plinth beam	1.5(DL-EQX)	Combination		Bottom	105579.65	4868.54	0	-99001.45	2134448.12	-916214.06
plinth beam	1.5(DL-EQY)	Combination		Top	104800.4	0	4868.54	46109.62	2048234.66	-983811.2
plinth beam	1.5(DL-EQY)	Combination		Bottom	105579.65	0	4868.54	46109.62	2059435.14	-991227.04
plinth beam	1.5(DL-RSX)	Combination	Max	Top	104800.4	4794	491.07	106227.13	2125090.26	-924957.96
plinth beam	1.5(DL-RSX)	Combination	Max	Bottom	105579.65	4794	491.07	106227.13	2141628.69	-927621.78
plinth beam	1.5(DL-RSX)	Combination	Min	Top	104800.4	-4794	-491.07	-106227.13	2111667.93	-1042664.44
plinth beam	1.5(DL-RSX)	Combination	Min	Bottom	105579.65	-4794	-491.07	-106227.13	2127267.55	-1054832.3
plinth beam	1.5(DL-RSY)	Combination	Max	Top	104800.4	501.37	4864.07	56416.9	2180719.66	-977888.69
plinth beam	1.5(DL-RSY)	Combination	Max	Bottom	105579.65	501.37	4864.07	56416.9	2201590.33	-984844.46
plinth beam	1.5(DL-RSY)	Combination	Min	Top	104800.4	-501.37	-4864.07	-56416.9	2056038.54	-989733.71
plinth beam	1.5(DL-RSY)	Combination	Min	Bottom	105579.65	-501.37	-4864.07	-56416.9	2067305.91	-997609.62
plinth beam	DL+0.8LL+0.8 EQX	Combination		Top	76308.04	-2596.55	0	52800.77	1542888.69	-752726.68
plinth beam	DL+0.8LL+0.8 EQX	Combination		Bottom	76827.53	-2596.55	0	52800.77	1553601.37	-760267.13
plinth beam	DL+0.8LL+0.8 EQY	Combination		Top	76308.04	0	-2596.55	-24591.8	1580299.06	-715316.31
plinth beam	DL+0.8LL+0.8 EQY	Combination		Bottom	76827.53	0	-2596.55	-24591.8	1593608.29	-720260.21
plinth beam	DL+0.8LL+0.8 RSX	Combination		Top	76308.04	0	-2596.55	-24591.8	1580299.06	-715316.31
plinth beam	DL+0.8LL+0.8 RSX	Combination		Bottom	76827.53	0	-2596.55	-24591.8	1593608.29	-720260.21
plinth beam	DL+0.8LL-0.8EQX	Combination		Top	76308.04	2596.55	0	-52800.77	1542888.69	-677905.94
plinth beam	DL+0.8LL-0.8EQX	Combination		Bottom	76827.53	2596.55	0	-52800.77	1553601.37	-680253.28
plinth beam	DL+0.8LL-0.8EQY	Combination		Top	76308.04	0	2596.55	24591.8	1505478.32	-715316.31
plinth beam	DL+0.8LL-0.8EQY	Combination		Bottom	76827.53	0	2596.55	24591.8	1513594.45	-720260.21
plinth beam	DL+0.8LL-0.8RSX	Combination	Max	Top	76308.04	2556.8	261.91	56654.47	1546467.98	-683927.91
plinth beam	DL+0.8LL-0.8RSX	Combination	Max	Bottom	76827.53	2556.8	261.91	56654.47	1557431.01	-686337.4
plinth beam	DL+0.8LL-0.8RSX	Combination	Min	Top	76308.04	-2556.8	-261.91	-56654.47	1539309.4	-746704.71
plinth beam	DL+0.8LL-0.8RSX	Combination	Min	Bottom	76827.53	-2556.8	-261.91	-56654.47	1549771.73	-754183.01
plinth beam	DL+0.8LL+0.8 RSY	Combination	Max	Top	76308.04	267.4	2594.17	30089.01	1576136.99	-712157.64
plinth beam	DL+0.8LL+0.8 RSY	Combination	Max	Bottom	76827.53	267.4	2594.17	30089.01	1589410.55	-716856.16
plinth beam	DL+0.8LL+0.8 RSY	Combination	Min	Top	76308.04	-267.4	-2594.17	-30089.01	1509640.39	-718474.98
plinth beam	DL+0.8LL+0.8 RSY	Combination	Min	Bottom	76827.53	-267.4	-2594.17	-30089.01	1517792.19	-723664.25
plinth beam	DL+0.8LL-0.8RSY	Combination	Max	Top	76308.04	267.4	2594.17	30089.01	1576136.99	-712157.64

Story	Output Case	Case Type	Step Type	Location	P kN	VX kN	VY kN	T kN-m	MX kN-m	MY kN-m
plinth beam	DL+0.8LL-0.8RSY	Combination	Max	Bottom	76827.53	267.4	2594.17	30089.01	1589410.55	-716856.16
plinth beam	DL+0.8LL-0.8RSY	Combination	Min	Top	76308.04	-267.4	-2594.17	-30089.01	1509640.39	-718474.98
plinth beam	DL+0.8LL-0.8RSY	Combination	Min	Bottom	76827.53	-267.4	-2594.17	-30089.01	1517792.19	-723664.25
plinth beam	DL+EQX	Combination		Top	69866.94	-3245.69	0	66000.97	1412252.73	-702637.09
plinth beam	DL+EQX	Combination		Bottom	70386.43	-3245.69	0	66000.97	1422965.41	-710826.68
plinth beam	DL+EQY	Combination		Top	69866.94	0	-3245.69	-30739.75	1459015.69	-655874.13
plinth beam	DL+EQY	Combination		Bottom	70386.43	0	-3245.69	-30739.75	1472974.07	-660818.03
plinth beam	DL+RSX	Combination	Max	Top	69866.94	3196	327.38	70818.09	1416726.84	-616638.64
plinth beam	DL+RSX	Combination	Max	Bottom	70386.43	3196	327.38	70818.09	1427752.46	-618414.52
plinth beam	DL+RSX	Combination	Min	Top	69866.94	-3196	-327.38	-70818.09	1407778.62	-695109.63
plinth beam	DL+RSX	Combination	Min	Bottom	70386.43	-3196	-327.38	-70818.09	1418178.36	-703221.53
plinth beam	DL+RSY	Combination	Max	Top	69866.94	334.25	3242.72	37611.27	1453813.1	-651925.79
plinth beam	DL+RSY	Combination	Max	Bottom	70386.43	334.25	3242.72	37611.27	1467726.88	-656562.97
plinth beam	DL+RSY	Combination	Min	Top	69866.94	-334.25	-3242.72	-37611.27	1370692.36	-659822.47
plinth beam	DL+RSY	Combination	Min	Bottom	70386.43	-334.25	-3242.72	-37611.27	1378203.94	-665073.08
plinth beam	DL-EQX	Combination		Top	69866.94	3245.69	0	-66000.97	1412252.73	-609111.17
plinth beam	DL-EQX	Combination		Bottom	70386.43	3245.69	0	-66000.97	1422965.41	-610809.37
plinth beam	DL-EQY	Combination		Top	69866.94	0	3245.69	30739.75	1365489.77	-655874.13
plinth beam	DL-EQY	Combination		Bottom	70386.43	0	3245.69	30739.75	1372956.76	-660818.03
plinth beam	DL-RSX	Combination	Max	Top	69866.94	3196	327.38	70818.09	1416726.84	-616638.64
plinth beam	DL-RSX	Combination	Max	Bottom	70386.43	3196	327.38	70818.09	1427752.46	-618414.52
plinth beam	DL-RSX	Combination	Min	Top	69866.94	-3196	-327.38	-70818.09	1407778.62	-695109.63
plinth beam	DL-RSX	Combination	Min	Bottom	70386.43	-3196	-327.38	-70818.09	1418178.36	-703221.53
plinth beam	DL-RSY	Combination	Max	Top	69866.94	334.25	3242.72	37611.27	1453813.1	-651925.79
plinth beam	DL-RSY	Combination	Max	Bottom	70386.43	334.25	3242.72	37611.27	1467726.88	-656562.97
plinth beam	DL-RSY	Combination	Min	Top	69866.94	-334.25	-3242.72	-37611.27	1370692.36	-659822.47
plinth beam	DL-RSY	Combination	Min	Bottom	70386.43	-334.25	-3242.72	-37611.27	1378203.94	-665073.08
plinth beam	1.5(DL+LL)	Combination		Top	116877.47	0	0	0	2363321.52	-1095265.28
plinth beam	1.5(DL+LL)	Combination		Bottom	117656.71	0	0	0	2379390.54	-1102681.12
plinth beam	ultimate envelope	Combination	Max	Top	116877.47	4868.54	4868.54	106227.13	2363321.52	-637049.68
plinth beam	ultimate envelope	Combination	Max	Bottom	117656.71	4868.54	4868.54	106227.13	2379390.54	-644744.88
plinth beam	ultimate envelope	Combination	Min	Top	62880.24	-4868.54	-4868.54	-106227.13	1271027.46	-1095265.28
plinth beam	ultimate envelope	Combination	Min	Bottom	63347.79	-4868.54	-4868.54	-106227.13	1280668.87	-1102681.12
plinth beam	seismic weight	Combination		Top	71879.78	0	0	0	1453076.47	-674449.81
plinth beam	seismic weight	Combination		Bottom	72399.28	0	0	0	1463789.15	-679393.71

4.2 Modal Results

Table 4.2 - Modal Participating Mass Ratios (Part 1 of 2)

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ	SumRX
Modal	1	1.309	0.0015	0.7372	0	0.0015	0.7372	0	0.2177	0.0002	0.0423	0.2177
Modal	2	1.083	0.3122	0.0247	0	0.3137	0.7619	0	0.0159	0.0567	0.4972	0.2336
Modal	3	0.993	0.5324	0.0056	0	0.8461	0.7675	0	0.0055	0.0954	0.3076	0.2392
Modal	4	0.396	0.0016	0.107	0	0.8477	0.8745	0	0.3857	0.0096	0.0098	0.6248
Modal	5	0.344	0.0414	0.0218	0	0.8891	0.8962	0	0.0653	0.3045	0.0371	0.6901
Modal	6	0.318	0.0404	0.0069	0	0.9295	0.9032	0	0.0199	0.3053	0.0404	0.71
Modal	7	0.238	0.0001	0.025	0	0.9296	0.9282	0	0.0493	0.0005	0.0002	0.7593

Loads

Case	Mode	Period sec	UX	UY	UZ	SumUX	SumUY	SumUZ	RX	RY	RZ	SumRX
Modal	8	0.219	0.0004	0.0056	0	0.93	0.9338	0	0.0169	0.0006	0.0049	0.7762
Modal	9	0.197	0.0051	0.0017	0	0.9352	0.9355	0	0.0048	0.0078	0.0009	0.781
Modal	10	0.19	0.0078	0.0019	0	0.943	0.9374	0	0.0047	0.0123	0.0019	0.7857
Modal	11	0.177	0.0028	0.0031	0	0.9458	0.9405	0	0.0071	0.004	0.0124	0.7928
Modal	12	0.174	0.0003	0.0082	0	0.9461	0.9487	0	0.0316	0.0005	5.979E-06	0.8244

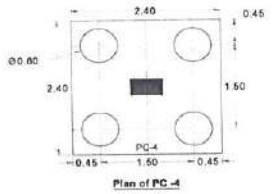
Table 4.2 - Modal Participating Mass Ratios (Part 2 of 2)

SumRY	SumRZ
0.0002	0.0423
0.0569	0.5395
0.1524	0.8471
0.1619	0.8568
0.4665	0.8939
0.7718	0.9343
0.7723	0.9346
0.7729	0.9394
0.7807	0.9404
0.7929	0.9422
0.7969	0.9546
0.7974	0.9546

Table 4.3 - Modal Load Participation Ratios

Case	ItemType	Item	Static %	Dynamic %
Modal	Acceleration	UX	99.98	94.61
Modal	Acceleration	UY	99.99	94.87
Modal	Acceleration	UZ	0	0

Design of 4 pile cap:



Plan of PC -4

Load from the column (C36) = 1600kn
Load on each pile = 1600 / 4
= 400kn

Loads

Asume depth of cap = 750mm
d (750-50-10) = 690mm

Check for truss action:

Shear span a_v = 750-300-262+120
= 308mm
a_v/d = 308 / 690 = 0.45 < 0.6
So truss action exists

Tension steel (T)= 1600x10^3(3x1500^2-300^2)/(24x1500x690)
= 429 kn
A_{st} = (1.5 x 429x10^3) / (0.87 x 500)
= 1479 mm^2
p = (1479x100) / (2400x690) = 0.09% < 0.12%

So A_{st}= (0.12x2400x690) / 100 = 1988mm^2

Moment = 800x0.75
= 600knm
K = (1.5x600^6)/(2400x690^2)
= 0.79
Pt = 0.190
A_{st} = 3146mm^2
Provide 16mm dia 0.125m c/c

Check for shear:

Tc = (0.33x2x690) / 308
= 1.48 n/mm^2
Actual shear = (1.5x800^3)/(2400x690)
= 0.72 n/mm^2 < 1.48 n/mm^2
Hence safe without shear reinforcement

Check for punching shear: (d/2 from column face)

Shear strength = 0.25√30 = 1.36 n/mm^2
Tp =(2400x10^3)/(2x2205x690) = 0.79n/mm^2 < 1.25 n/mm^2
Hence safe in punching shear

Design of short column with bi axial bending: C36

Description	GF
Axial load In Kn	2111
Moment in Knm (Mux)	147
Moment in Knm (Muy)	42
Assumed length of column in mm (D)	525

Loads

Assumed breadth of column in mm (B)	300
Assumed % of steel	1.6
Grade of concrete	30
p/fck	0.0533
d'/D	0.095
d'/B	0.166
Pu/(fck*B*D)	0.446
Referring to chart in SP-16	chart-45
Value from chart	0.08
Mux1 in Knm	198.45
Referring to chart in SP-16	chart-45
Value from chart	0.07
Muy1 in Knm	99.225
Referring to chart-63 of SP-16	
Puz/ Ag	19
Puz in Kn	2992.5
Pu/Puz	0.705
Mux/Mux1	0.740
Muy/Muy1	0.423
Referring to chart-64 of SP-16	
Permissible Muy/Muy1	0.6
Check	safe and assumed % of steel is correct
Ast required	2520
Provide steel	

Dia of lateral ties:		
Dia of main rod provided	20	
6mm	6mm	
1/4 times Dia of main rod	5mm	
Dia of lateral ties choosen	8mm	
Spacing of lateral ties:		
16 times the dia of main rod		320
Least lateral dimension of column		300
Provide 8mm dia 2 legged lateral ties @	175 mm c/c	

Design of Floor Slab:

Assume the slab thickness as 125 mm

Dead load of slab (0.125 x 25) = 3.13kn/m^2

Live load = 2.00 kn/m^2

Loads

Partition wall load = 1.00kn/m^2

Floor finish load = 1.50kn/m^2

7.63kn/m^2

Say w = 8.0 kn/m^2

Long span L_y = 6.85 m

Short span L_x = 3.28 m

L_y / L_x = 2.09 > 2.0

To design as one way slab & slab thickness as 125mm

Positive moment @ mid span = (1.5 x 8 x 3.28^2) / 8

= 16.14knm

K = 1.46, Pt = 0.373, A_{st} = 392mm^2

Provide 8mm dia @ 120mm c/c along shorter span and 8mm dia @ 150mm c/c along the longer span with alternate rods cranked @ 0.2 times of respective span.

Check for deflection:

Permissible span / depth = 26 x 1.3 (referring to chart 22)

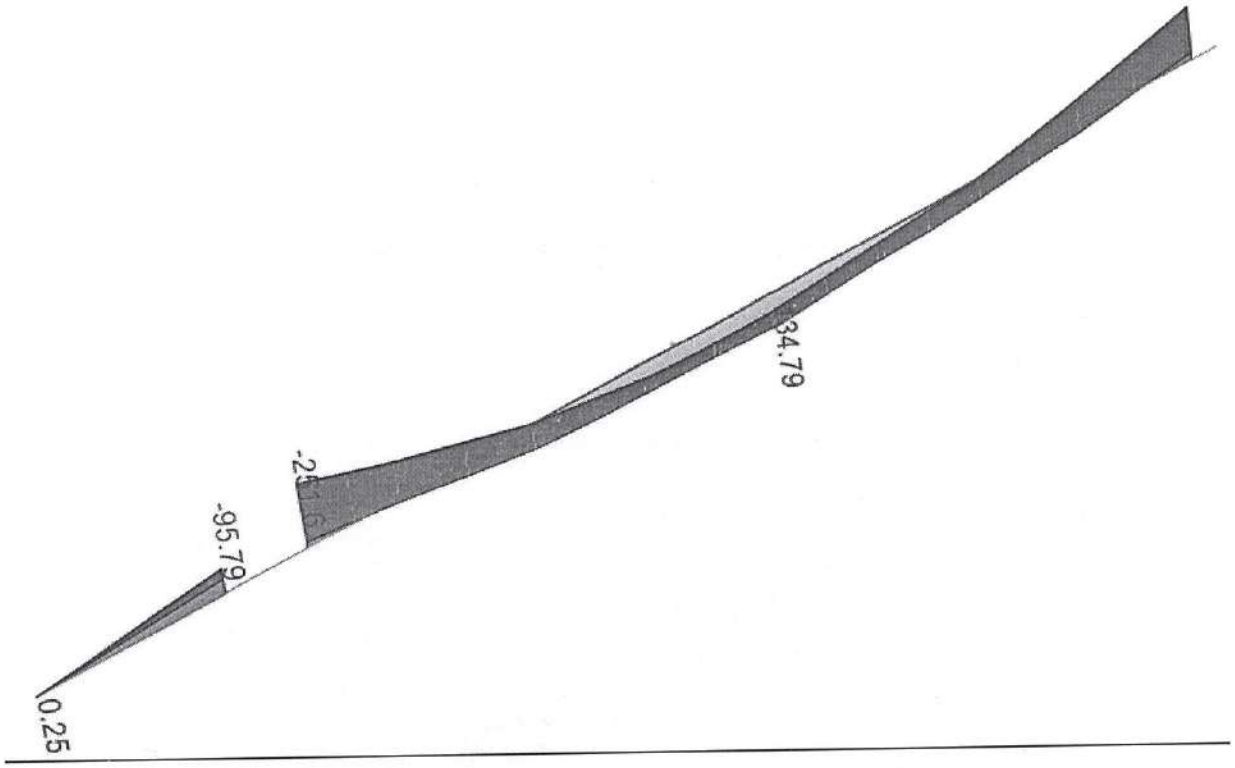
= 33.80

Actual deflection = 3280 / 105

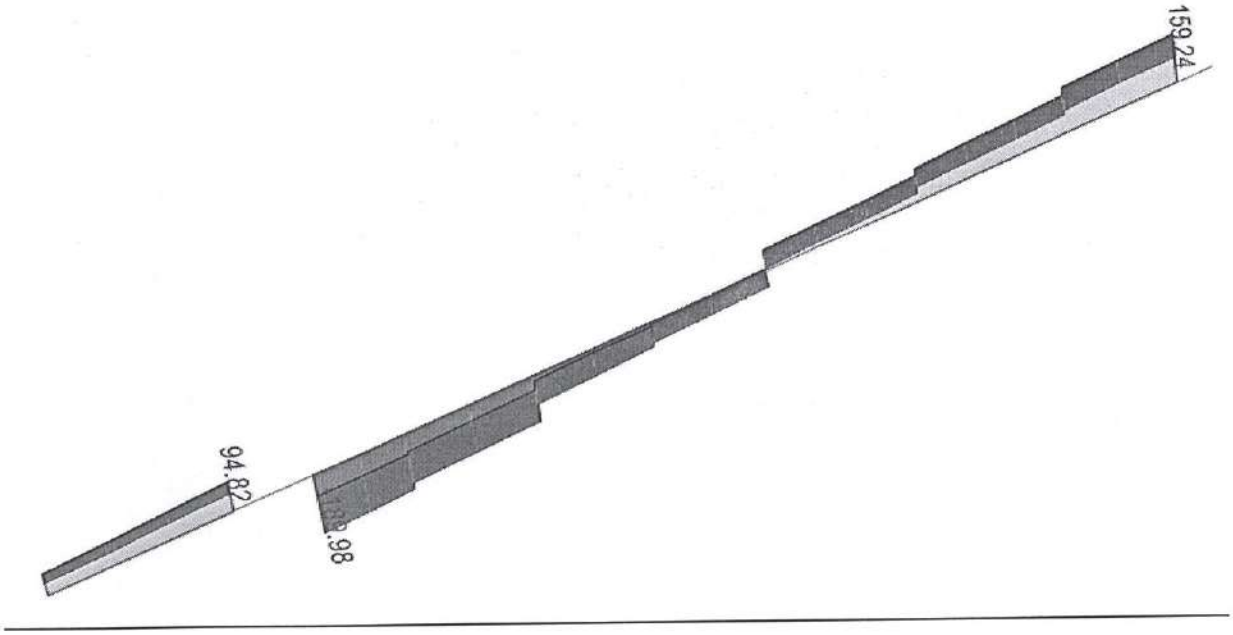
= 31.23 < 33.80

Hence safe

Design of critical floor beam:



Critical Bending Moment Diagram



Critical Shear Force Diagram

Assume beam size as 300mm x 525mm

Max factored B.M @ top of support = 252 knm

K = 4.38, Pt= 1.232, Pc = 0.105

A_{st} = 1416mm^2 A_{sc} = 121 mm^2

Therefore provide 3-20+2-20mm dia@ top of support

Max factored moment @ bottom = 135 knm

K = 2.35, Pt = 0.601,

A_{st} = 692mm^2

Therefore provide 2-16+1-20mm dia @ bottom

Factored shear force @ support = 190 kn

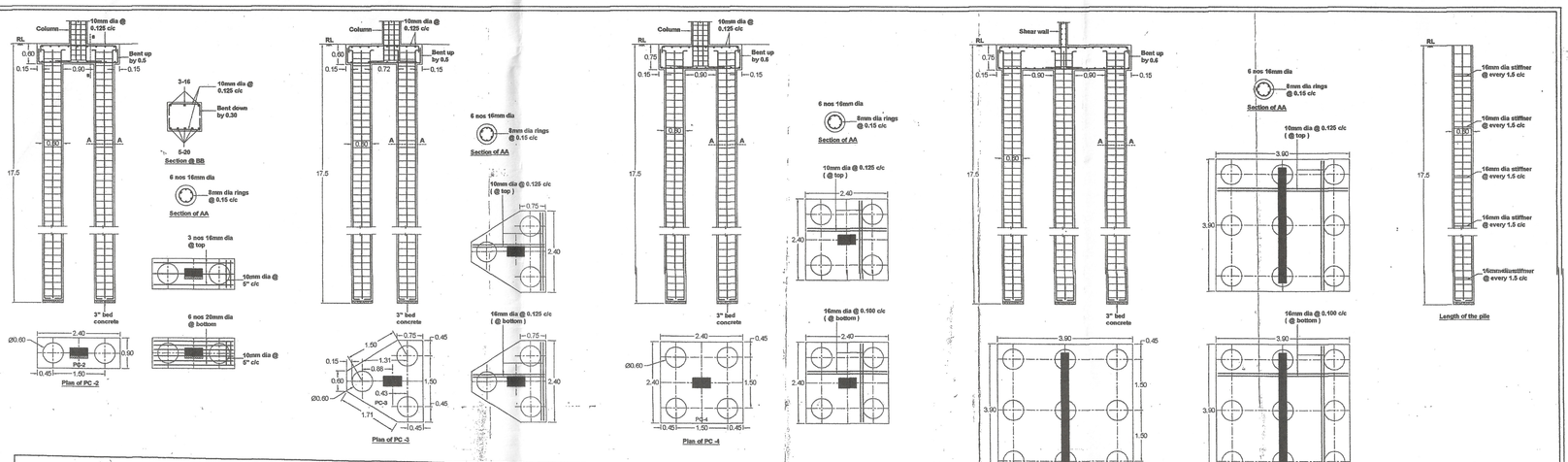
V_{us} = 190000 – 0.70 x 230 x 500

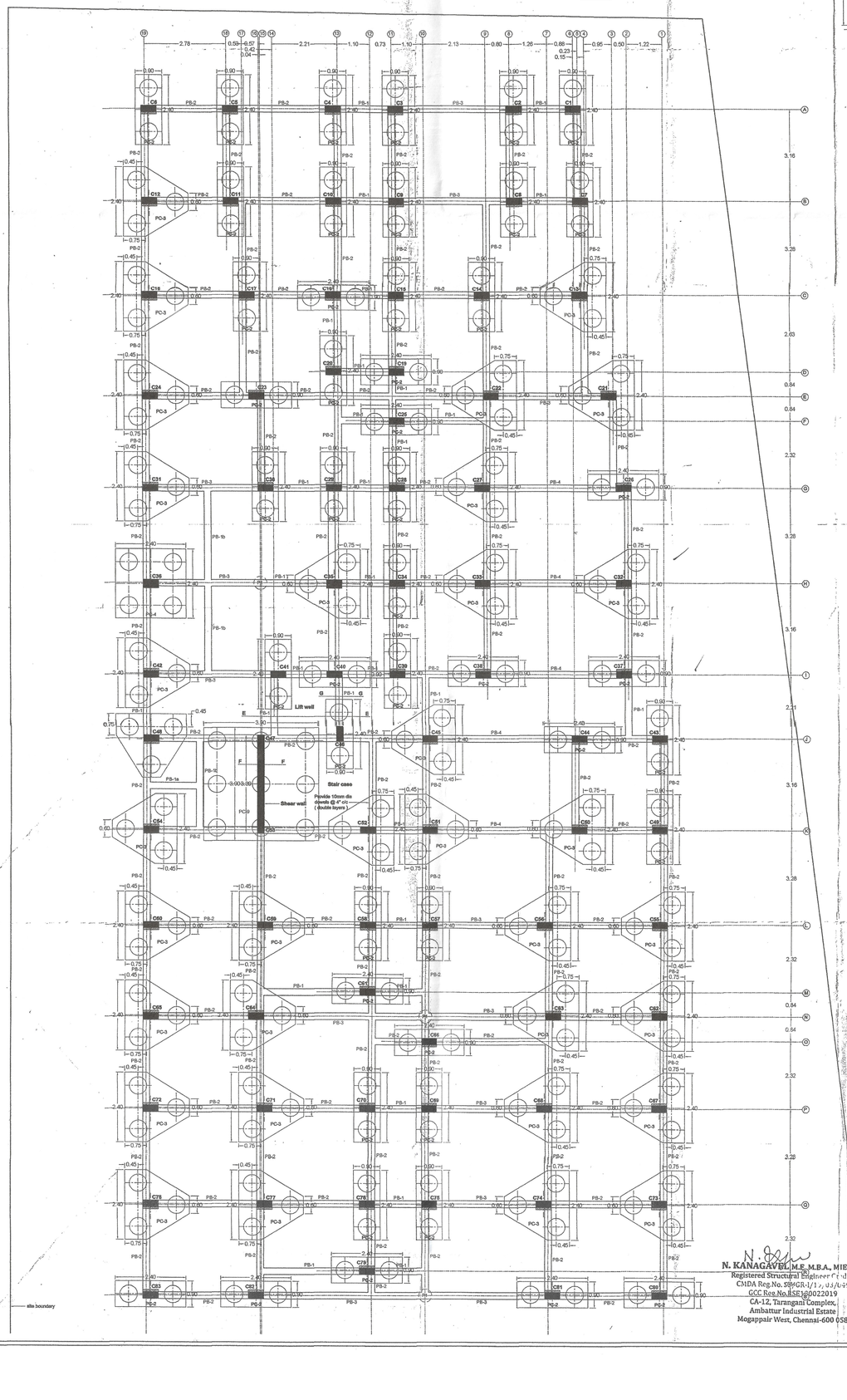
V_{us}/d = 2.19 kn/cm

Referring to Table – 62 of SP-16, provide 8mm dia stirrups @ 150mm c/c

end of report

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Orientation Of Column Rods Details: B - Block

Column no.	Column Size	Still Floor	First & Second floors	Third, Fourth & Fifth floors	Maximum Spacing of Rings / Confining Rings
C35 & C36	0.525 x 0.300	10nos 20mm	10nos 20mm	4-20 + 6-16	4- legged 8mm dia @ 0.15 c/c / 8mm dia @ 0.10 c/c
C2, C7, C8, C9, C10, C12, C13, C15, C16, C18, C21, C22, C24, C26, C28, C29, C31, C34, C44, C45, C46, C50, C51, C54, C57, C58, C62, C81, C63, C65, C66, C67, C68, C69, C72, C75, C76, C78 & C81	0.525 x 0.300 & 0.525 x 0.230	4nos 12mm + 4-20 + 6-16	4-20 + 6-16	10nos 16mm	4- legged 8mm dia @ 0.15 c/c / 8mm dia @ 0.10 c/c
C1, C3, C4, C5, C6, C11, C14, C17, C19, C20, C23, C25, C27, C30, C31, C32, C33, C38, C39, C42, C49, C55, C56, C59, C60, C64, C70, C71, C74, C75, C77, C79 & C83	0.525 x 0.300 & 0.525 x 0.230	4nos 12mm + 10nos 16mm	10nos 16mm	4-16 + 8-12	4- legged 8mm dia @ 0.15 c/c / 8mm dia @ 0.10 c/c
C37, C43, C80 & C82	0.525 x 0.300 & 0.525 x 0.230	3nos 12mm + 8nos 16mm	8nos 16mm	4-16 + 4-12	4- legged 8mm dia @ 0.15 c/c / 8mm dia @ 0.10 c/c
C40, C41, C46 & C52	0.525 x 0.230	4-20 + 6-16	4-20 + 6-16	10nos 16mm	4- legged 8mm dia @ 0.15 c/c / 8mm dia @ 0.10 c/c
C47 & C53	0.525 x 0.230	10nos 16mm	10nos 16mm	4-16 + 6-12	4- legged 8mm dia @ 0.15 c/c / 8mm dia @ 0.10 c/c
D1 (terminate the column @ car parking level)	0.23 x 0.23	4nos 12mm			2- legged 8mm dia @ 0.15 c/c / 8mm dia @ 0.10 c/c

Plinth Beam Details: (beam bottom @ pile cap top) A & B - blocks

PB NO	Size	Top rods	Bottom rods	Stirrups spacing
PB- 1a	0.23 x 0.38	2-10 mm dia	3-10 mm dia	6mm dia @ 0.125 c/c
PB- 1b	0.23 x 0.38	3-10 mm dia	3-12 mm dia	6mm dia @ 0.125 c/c
PB- 1	0.23 x 0.38	3-12 mm dia	3-12 mm dia	6mm dia @ 0.125 c/c
PB- 2	0.23 x 0.38	3 -12 mm dia	2+12+1-16 mm dia	6mm dia @ 0.125 c/c
PB- 3	0.23 x 0.38	2-12+1-16 mm dia	2+16+1-12 mm dia	6mm dia @ 0.125 c/c
PB- 4	0.23 x 0.38	3-16 mm dia	3-16+1-20 mm dia	6mm dia @ 0.100 c/c

Notes:

1. Foundation and column are designed for gravity loading of still + five floors
2. Cover & grade of concrete

	Cover	Grade of concrete
Pile	25nos	M30
Pile cap	50	M30
Plinth beams		M30

3. Grade of steel to be used is Fe500
4. Lap length for column rods is 40 times dia of the bar
5. Depth of pile & capacity considered are as per Jowar Consulting Engineers soil report no: JCE/Geotech/2023/28 dated 05.04.2023
6. Pile load test to be conducted as per IS code of pile cap
7. Designing is done based on the details shown in drawing dated 11.12.2023
8. Pile Cap side shuttering should be done
9. Use potable water for all construction activities including curing
10. Column rods lapping should be done only @ mid height between floors

Project Title:
Proposed Residencial Apartment Building @ S. No: 387/1B, Mel Ayanambakkam Road, Ayanambakkam, Ambattur, Chennai - 600 058

Drawing Title:
Pile, Pile Cap, Column And Plinth Beam Details

Scale: N.T.S	Date: 19.12.2023	N

Promoter:
Celebrity Dwellings (P) Ltd.,
Plot No: 134, 1st main Road,
Olympic Colony, Chennai - 50

Structural Consultant:
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THE LANDLENS SUITE

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/landlens/verify-my-land

Legal Opinion
An advocate's written opinion on the title, built on the records we pull for it.
/landlens

One Map
Every layer on one map: the parcel, its boundary, zoning, water bodies and what sits around it.
/landlens/one/map

PriceMap
What land actually changed hands for around this plot, taken from the registered deeds.
/landlens/pricemap

Build Scope
What you are allowed to build here: floor space, height, coverage and setbacks.
/landlens/build-scope

Property Tracker
Watch a property and hear about it when something new is registered against it.
/landlens/property-tracker

Deal Room
Run the transaction in one place: documents, stamping, signatures and the parties.
/landlens/deal-room

FREE TOOLS · NO ACCOUNT NEEDED

Twenty-four checks you can run yourself, at no cost.

Records and verification

The registers themselves, read for you.

- Encumbrance Certificate
- Patta and Chitta
- Field Measurement Sketch
- EC Analyzer
- Bank charge check
- Court case search
- Seller background check
- Approval check by survey

Value and duty

What it is worth and what it costs to register.

- Guideline value by street
- Guideline value by survey
- Stamp duty and registration fees
- Capital gains
- Floor space index
- Area unit converter

Zoning and land use

What the plan says can happen on this land.

- Land use zone finder
- CMDA land use check
- Coastal regulation zone
- Master plan check
- Water bodies finder
- Airport height clearance

Registers and directories

Who holds it, and which office keeps the record.

- Find your registering office
- Temple property check
- Waqf property check
- RERA register

Every free tool
/tools

Services we run for you
/services

The LandLens suite
/landlens/one

Verified RealEstate™

Every claim in this document traces back to a government record.

- Legal opinions, due diligence and title verification
- Building plan, layout and sub-division approvals
- Completion and occupancy certificates, regularisation
- Escrow, negotiation and NRI property management
- Land survey, soil testing, architecture and construction

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Prepared from the registers named on the page each finding sits on. Where a register could not be read, this document says so in its place rather than leaving the gap to be read as a clean result.