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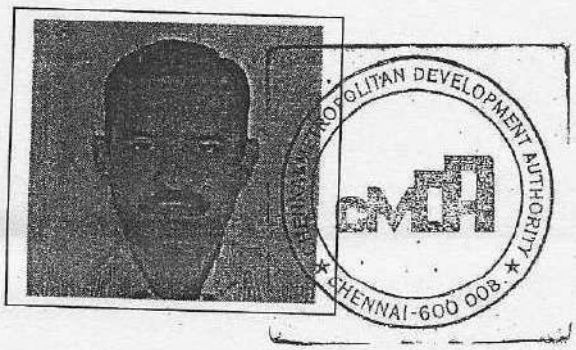
CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
'ThalamuthuNatarajan Building', No.1, Gandhi Irwin Road,
Egmore, Chennai-600 008.

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, Structural Consultant and Approved Valuer

CA- 12, Tarangini Complex
Ambattur Industrial Estate, Chennai – 600 058

Mobile : 94440 61295
e – mail: kanagavelchennai@gmail.com

24.02.2026

STABILITY CERTIFICATE

1. The detailed engineering and structure design of the proposed building comprising of stilt + five floors "NEST HARMONY" at Plot No. 19, Lakshmi Nagar Layout Road, Varadharajapuram village, Kundrathur taluk, Kancheepuram district – 600 048, comprised in S.No: 24/1C & 25/2A2, has been done by me/us based on the report of geotechnical investigation (soil test) done by Nagadi Consultants (P) Ltd., Report No. G(C)10072B dated 26.09.2025 and considering the functional requirement of the building.

2. It is certified that among other factors, the proposed building has been designed to resist earthquake. I/We have checked various parameters and found that the proposed building would be safe.

3. I/We further certify that:

   (i) The minimum grade of concrete is M30

   (ii) The design and analysis has been done using the code of practice for plain and reinforced concrete as per IS 456:2000, design loads as per IS Codes No.IS 875-1987 and design of earthquake resistant structure as per IS Code No. IS 1893(part 1):2016

4. The building will be safe and sound when used for the purpose for which it is designed.

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

Stamp and Signature

Encl.: Structural Design Calculation

Design Specifications:

The proposed structure are 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.

Geo Technical Report:

As per Nagadi Consultants (P) Ltd., geo technical report G(C) 10072B dated 26.09.2025, the foundation recommendations are:

(i) type of foundation	=	Isolated / combined
(ii) Depth of foundation	=	3.00 m
(iii) SBC @ 3.00 m depth	=	180kn/m^2

Floor Heights Considered:

Foundation depth	=	3.00m
Car parking level	=	0.60m
Stilt and typical floors height	=	3.00m

Analysis and Design:

Analysis part is done using ETAB software and the designing part cross verified by manual calculations in accordance with IS 456 – 2000, IS 1893 - 2016 and SP – 16.

Materials:

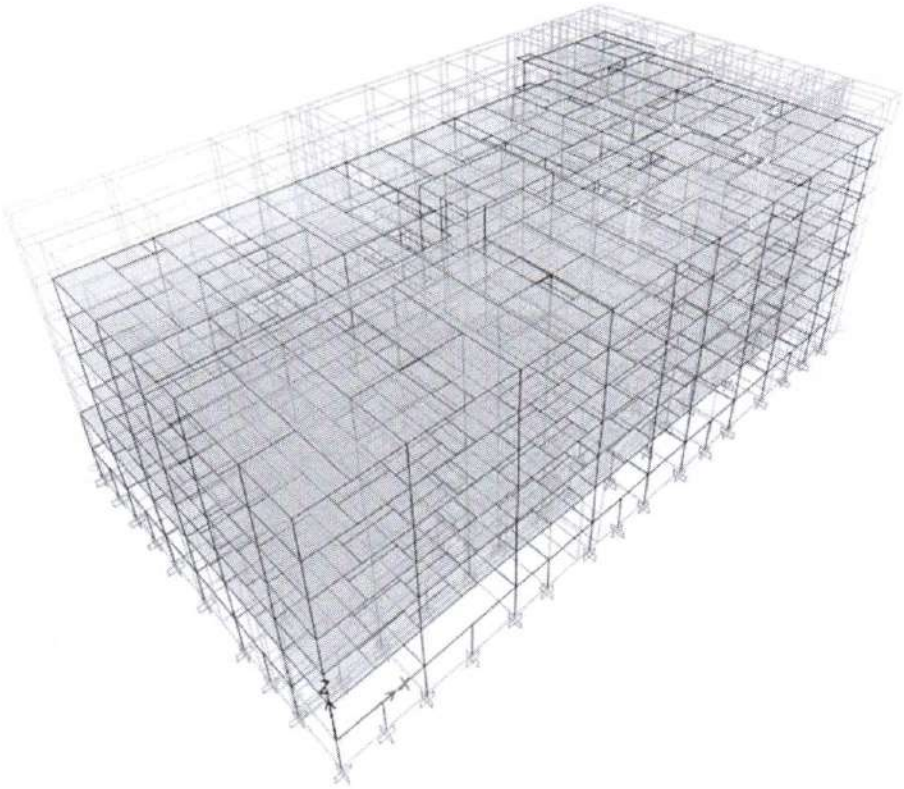
The following recommendations of materials are to be used

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

(ii) Grade of steel : Fe 550 for all diameter

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

ETABS®



Nest Harmony - stilt+5 floors

Model File: A- stilt+5 floors, Revision 0
24-Feb-26

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	No	story1	No	Gray8Dark
T1	story5	3	No	story1	No	Gray8Dark
T1	story4	3	No	story1	No	Gray8Dark
T1	story3	3	No	story1	No	Gray8Dark
T1	story2	3	No	story1	No	Blue
T1	story1	3.6	Yes	None	No	Green
T1	plinth beam	3	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	Green	
HYSD550	Rebar	Uniaxial	HYSD Grade 550	Red	
M30	Concrete	Isotropic	M30	Gray8Dark	

2.2 Frame Sections

Table 2.2 - Frame Section Property Definitions - Summary (Part 1 of 3)

Name	Material	Shape	Color	Area cm2	J cm4	I33 cm4	I22 cm4	As2 cm2	As3 cm2	S33Pos cm3	S33Neg cm3
B230x125	M30	Concrete Rectangular	Green	287.5	9884.3	3743.5	12674	239.6	239.6	599	599
B230x380	M30	Concrete Rectangular	Red	874	96006	105171.3	38528.8	728.3	728.3	5535.3	5535.3
B230x450	M30	Concrete Rectangular	Magenta	1035	124072.6	174656.3	45626.3	862.5	862.5	7762.5	7762.5
B230x525	M30	Concrete Rectangular	Blue	1207.5	154336.3	277347.7	53230.6	1006.2	1006.2	10565.6	10565.6
B230x600	M30	Concrete Rectangular	Red	1380	184679.1	414000	60835	1150	1150	13800	13800
B230x675	M30	Concrete Rectangular	Blue	1552.5	215056.9	589464.8	68439.4	1293.7	1293.7	17465.6	17465.6
B230x750	M30	Concrete Rectangular	Magenta	1725	245451.7	808593.8	76043.8	1437.5	1437.5	21562.5	21562.5
C230x450	M30	Concrete Rectangular	Yellow	1035	124072.6	174656.3	45626.3	862.5	862.5	7762.5	7762.5
C230x525	M30	Concrete Rectangular	Gray8Dark	1207.5	154336.3	277347.7	53230.6	1006.2	1006.2	10565.6	10565.6
C230x600	M30	Concrete Rectangular	Blue	1380	184679.1	414000	60835	1150	1150	13800	13800
C300x300	M30	Concrete Rectangular	Cyan	900	114075	67500	67500	750	750	4500	4500
C300x525	M30	Concrete Rectangular	Blue	1575	303911.4	361757.8	118125	1312.5	1312.5	13781.3	13781.3

Name	Material	Shape	Color	Area cm2	J cm4	I33 cm4	I22 cm4	As2 cm2	As3 cm2	S33Pos cm3	S33Neg cm3
C300x600	M30	Concrete Rectangular	Green	1800	370785.9	540000	135000	1500	1500	18000	18000
C300x675	M30	Concrete Rectangular	Cyan	2025	437953.1	768867.2	151875	1687.5	1687.5	22781.3	22781.3
C300x750	M30	Concrete Rectangular	Cyan	2250	505262.9	1054687.5	168750	1875	1875	28125	28125
C380x750	M30	Concrete Rectangular	Red	2850	936326.1	1335937.5	342950	2375	2375	35625	35625
D230x230	M30	Concrete Rectangular	Magenta	529	39410.9	23320.1	23320.1	440.8	440.8	2027.8	2027.8

2.3 Shell Sections

Table 2.3 - Area Section Property Definitions - Summary

Name	Type	Element Type	Material	Total Thickness mm	Deck Material	Deck Depth mm
Slab1	Slab	Shell-Thin	M30	125		
Wall1	Wall	Shell-Thin	M30	230		
Wall2	Wall	Shell-Thin	M30	230		
Wall3	Wall	Shell-Thin	M30	230		
Wall4	Wall	Shell-Thin	M30	230		
Wall5	Wall	Shell-Thin	M30	230		
Wall6	Wall	Shell-Thin	M30	230		
Wall7	Wall	Shell-Thin	M30	230		

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	Reducible 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

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 $T = 0.23$ 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] $\frac{S_a}{g} = 2.5$ $\frac{S_a}{g} = 2.5$

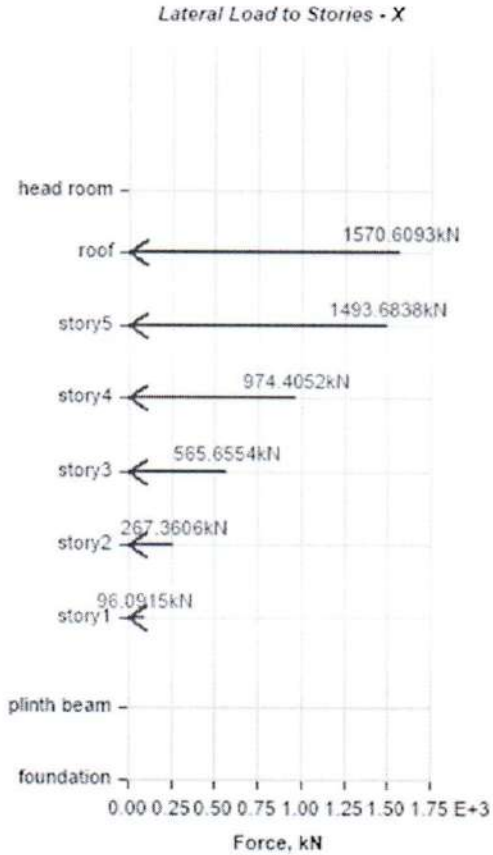
Equivalent Lateral Forces

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 (kN)	V_b (kN)
X	0.23	103495.9549	4967.8058

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	kN	kN
head room	21.1	0	0
roof	18.6	1570.6093	0
story5	15.6	1493.6838	0
story4	12.6	974.4052	0
story3	9.6	565.6554	0
story2	6.6	267.3606	0
story1	3.6	96.0915	0
plinth beam	0	0	0
foundation	-3	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 $T = 0.3$ 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] $\frac{S_a}{g} = 2.5$ $\frac{S_a}{g} = 2.5$

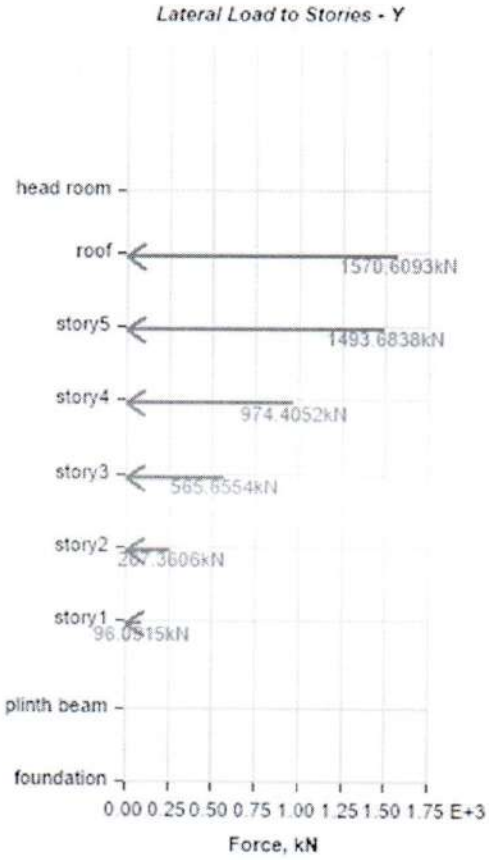
Equivalent Lateral Forces

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 (kN)	V_b (kN)
Y	0.3	103495.9549	4967.8058

Applied Story Forces



Story	Elevation	X-Dir	Y-Dir
	m	kN	kN
head room	21.1	0	0
roof	18.6	0	1570.6093
story5	15.6	0	1493.6838
story4	12.6	0	974.4052
story3	9.6	0	565.6554
story2	6.6	0	267.3606
story1	3.6	0	96.0915
plinth beam	0	0	0
foundation	-3	0	0

3.3 Load Combinations

Table 3.4 - Load Combination Definitions

Name	Type	Is Auto	Load Name	SF	Notes
0.9DL-1.5RSX	Linear Add	No	Dead	0.9	
0.9DL-1.5RSX			Floor finish	0.9	
0.9DL-1.5RSX			sunken filling	0.9	
0.9DL-1.5RSX			wall load	0.9	
0.9DL-1.5RSX			RSX	-1.5	
0.9DL-1.5RSY	Linear Add	No	Dead	0.9	
0.9DL-1.5RSY			Floor finish	0.9	
0.9DL-1.5RSY			sunken filling	0.9	
0.9DL-1.5RSY			wall load	0.9	
0.9DL-1.5RSY			RXY	-1.5	
0.9DL+1.5RSX	Linear Add	No	Dead	0.9	
0.9DL+1.5RSX			Floor finish	0.9	
0.9DL+1.5RSX			sunken filling	0.9	
0.9DL+1.5RSX			wall load	0.9	
0.9DL+1.5RSX			RSX	1.5	
0.9DL+1.5RSY	Linear Add	No	Dead	0.9	
0.9DL+1.5RSY			Floor finish	0.9	
0.9DL+1.5RSY			sunken filling	0.9	
0.9DL+1.5RSY			wall load	0.9	
0.9DL+1.5RSY			RXY	1.5	
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+EQX)			roof live	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+EQY)			roof live	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+RSX)			roof live	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+RSY)			roof live	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	

Name	Type	Is Auto	Load Name	SF	Notes
1.2(DL+LL-EQX)			roof live	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-EQY)			roof live	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-RSX)			roof live	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-RSY)			roof live	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+LL)			roof live	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	
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	

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

Name	Type	Is Auto	Load Name	SF	Notes
DL+0.8LL-0.8RSX			roof live	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-0.8RSY			roof live	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+0.8EQX			roof live	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+0.8EQY			roof live	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			sesmic - Y	0.8	
DL+0.8LL+0.8RSX			roof live	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+0.8RSY			roof live	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	

Name	Type	Is Auto	Load Name	SF	Notes
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	
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+1.5EQX	1	
ultimate envelope			09DL-1.5EQX	1	
ultimate envelope			0.9DL+1.5RSX	1	
ultimate envelope			0.9DL-1.5RSX	1	
ultimate envelope			09DL+1.5EQY	1	
ultimate envelope			09DL-1.5EQY	1	
ultimate envelope			0.9DL+1.5RSY	1	
ultimate envelope			0.9DL-1.5RSY	1	

4 Analysis Results

This chapter provides analysis results.

4.1 Story Results

Table 4.1 - Story Drifts

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
head room	Dead	LinStatic		X	0.000105	57	28.27	10.74	21.1
head room	Dead	LinStatic		Y	4.7E-05	39	20.57	15.65	21.1
head room	Live	LinStatic		X	2.2E-05	64	28.27	15.65	21.1
head room	Live	LinStatic		Y	1.4E-05	39	20.57	15.65	21.1
head room	Floor finish	LinStatic		X	3.2E-05	57	28.27	10.74	21.1
head room	Floor finish	LinStatic		Y	2.2E-05	39	20.57	15.65	21.1
head room	sunken filling	LinStatic		X	1.5E-05	137	20.57	10.74	21.1
head room	sunken filling	LinStatic		Y	1.2E-05	39	20.57	15.65	21.1
head room	wall load	LinStatic		X	6.1E-05	64	28.27	15.65	21.1
head room	wall load	LinStatic		Y	4.6E-05	57	28.27	10.74	21.1
head room	sesmic - X	LinStatic		X	0.000251	137	20.57	10.74	21.1
head room	sesmic - Y	LinStatic		Y	0.000607	39	20.57	15.65	21.1
head room	RSX	LinRespSpec	Max	X	0.000583	137	20.57	10.74	21.1
head room	RSX	LinRespSpec	Max	Y	0.000166	137	20.57	10.74	21.1
head room	RXY	LinRespSpec	Max	X	0.000138	64	28.27	15.65	21.1
head room	RXY	LinRespSpec	Max	Y	0.000559	137	20.57	10.74	21.1
head room	roof live	LinStatic		X	0.000104	64	28.27	15.65	21.1
head room	roof live	LinStatic		Y	9E-05	137	20.57	10.74	21.1
head room	(DL+LL)	Combination		X	0.000254	57	28.27	10.74	21.1
head room	09DL+1.5EQX	Combination		X	0.000221	39	20.57	15.65	21.1
head room	09DL+1.5EQX	Combination		Y	9.5E-05	39	20.57	15.65	21.1
head room	09DL-1.5EQX	Combination		X	0.00055	57	28.27	10.74	21.1
head room	0.9DL+1.5RSX	Combination	Max	X	0.000711	137	20.57	10.74	21.1
head room	0.9DL+1.5RSX	Combination	Max	Y	0.000332	39	20.57	15.65	21.1
head room	0.9DL+1.5RSX	Combination	Min	X	0.001046	57	28.27	10.74	21.1
head room	0.9DL+1.5RSX	Combination	Min	Y	0.000169	137	20.57	10.74	21.1
head room	0.9DL-1.5RSX	Combination	Max	X	0.000711	137	20.57	10.74	21.1
head room	0.9DL-1.5RSX	Combination	Max	Y	0.000332	39	20.57	15.65	21.1
head room	0.9DL-1.5RSX	Combination	Min	X	0.001046	57	28.27	10.74	21.1
head room	0.9DL-1.5RSX	Combination	Min	Y	0.000169	137	20.57	10.74	21.1
head room	09DL-1.5EQY	Combination		X	0.000332	64	28.27	15.65	21.1
head room	09DL-1.5EQY	Combination		Y	0.00083	137	20.57	10.74	21.1
head room	09DL+1.5EQY	Combination		X	0.000223	57	28.27	10.74	21.1
head room	09DL+1.5EQY	Combination		Y	0.000995	39	20.57	15.65	21.1
head room	0.9DL+1.5RSY	Combination	Max	Y	0.00092	39	20.57	15.65	21.1
head room	0.9DL+1.5RSY	Combination	Min	X	0.000355	64	28.27	15.65	21.1
head room	0.9DL+1.5RSY	Combination	Min	Y	0.000759	137	20.57	10.74	21.1
head room	0.9DL-1.5RSY	Combination	Max	Y	0.00092	39	20.57	15.65	21.1
head room	0.9DL-1.5RSY	Combination	Min	X	0.000355	64	28.27	15.65	21.1
head room	0.9DL-1.5RSY	Combination	Min	Y	0.000759	137	20.57	10.74	21.1
head room	1.2(DL+LL+EQX)	Combination		X	3.3E-05	34	21.95	10.74	21.1
head room	1.2(DL+LL+EQX)	Combination		Y	6.6E-05	57	28.27	10.74	21.1
head room	1.2(DL+LL-EQX)	Combination		X	0.000605	57	28.27	10.74	21.1
head room	1.2(DL+LL+RSX)	Combination	Max	X	0.000431	34	21.95	10.74	21.1
head room	1.2(DL+LL+RSX)	Combination	Max	Y	0.000221	39	20.57	15.65	21.1
head room	1.2(DL+LL+RSX)	Combination	Min	X	0.001002	57	28.27	10.74	21.1
head room	1.2(DL+LL+RSX)	Combination	Min	Y	0.000184	137	20.57	10.74	21.1
head room	1.2(DL+LL-RSX)	Combination	Max	X	0.000431	34	21.95	10.74	21.1

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
head room	1.2(DL+LL-RSX)	Combination	Max	Y	0.000221	39	20.57	15.65	21.1
head room	1.2(DL+LL-RSX)	Combination	Min	X	0.001002	57	28.27	10.74	21.1
head room	1.2(DL+LL-RSX)	Combination	Min	Y	0.000184	137	20.57	10.74	21.1
head room	1.2(DL+LL+EQY)	Combination		X	0.000343	57	28.27	10.74	21.1
head room	1.2(DL+LL+EQY)	Combination		Y	0.000752	39	20.57	15.65	21.1
head room	1.2(DL+LL-EQY)	Combination		X	0.000443	64	28.27	15.65	21.1
head room	1.2(DL+LL-EQY)	Combination		Y	0.000713	137	20.57	10.74	21.1
head room	1.2(DL+LL+RSY)	Combination	Max	X	0.000237	57	28.27	10.74	21.1
head room	1.2(DL+LL+RSY)	Combination	Max	Y	0.000692	39	20.57	15.65	21.1
head room	1.2(DL+LL+RSY)	Combination	Min	X	0.000462	64	28.27	15.65	21.1
head room	1.2(DL+LL+RSY)	Combination	Min	Y	0.000656	137	20.57	10.74	21.1
head room	1.2(DL+LL-RSY)	Combination	Max	X	0.000237	57	28.27	10.74	21.1
head room	1.2(DL+LL-RSY)	Combination	Max	Y	0.000692	39	20.57	15.65	21.1
head room	1.2(DL+LL-RSY)	Combination	Min	X	0.000462	64	28.27	15.65	21.1
head room	1.2(DL+LL-RSY)	Combination	Min	Y	0.000656	137	20.57	10.74	21.1
head room	1.5(DL+EQX)	Combination		X	0.000127	39	20.57	15.65	21.1
head room	1.5(DL+EQX)	Combination		Y	0.000151	39	20.57	15.65	21.1
head room	1.5(DL+EQY)	Combination		X	0.00034	57	28.27	10.74	21.1
head room	1.5(DL+EQY)	Combination		Y	0.001051	39	20.57	15.65	21.1
head room	1.5(DL+RSX)	Combination	Max	X	0.000606	38	20.57	13.44	21.1
head room	1.5(DL+RSX)	Combination	Max	Y	0.000388	39	20.57	15.65	21.1
head room	1.5(DL+RSX)	Combination	Min	X	0.001163	57	28.27	10.74	21.1
head room	1.5(DL+RSY)	Combination	Max	X	0.000208	57	28.27	10.74	21.1
head room	1.5(DL+RSY)	Combination	Max	Y	0.000976	39	20.57	15.65	21.1
head room	1.5(DL+RSY)	Combination	Min	X	0.000454	64	28.27	15.65	21.1
head room	1.5(DL+RSY)	Combination	Min	Y	0.000706	137	20.57	10.74	21.1
head room	1.5(DL-EQX)	Combination		X	0.000667	57	28.27	10.74	21.1
head room	1.5(DL-EQX)	Combination		Y	0.000129	39	20.57	15.65	21.1
head room	1.5(DL-EQY)	Combination		X	0.00043	64	28.27	15.65	21.1
head room	1.5(DL-EQY)	Combination		Y	0.000777	137	20.57	10.74	21.1
head room	1.5(DL-RSX)	Combination	Max	X	0.000606	38	20.57	13.44	21.1
head room	1.5(DL-RSX)	Combination	Max	Y	0.000388	39	20.57	15.65	21.1
head room	1.5(DL-RSX)	Combination	Min	X	0.001163	57	28.27	10.74	21.1
head room	1.5(DL-RSY)	Combination	Max	X	0.000208	57	28.27	10.74	21.1
head room	1.5(DL-RSY)	Combination	Max	Y	0.000976	39	20.57	15.65	21.1
head room	1.5(DL-RSY)	Combination	Min	X	0.000454	64	28.27	15.65	21.1
head room	1.5(DL-RSY)	Combination	Min	Y	0.000706	137	20.57	10.74	21.1
head room	DL+0.8LL+0.8EQX	Combination		X	4.2E-05	57	28.27	10.74	21.1
head room	DL+0.8LL+0.8EQX	Combination		Y	5.4E-05	57	28.27	10.74	21.1
head room	DL+0.8LL+0.8EQY	Combination		X	0.000268	57	28.27	10.74	21.1
head room	DL+0.8LL+0.8EQY	Combination		Y	0.00052	39	20.57	15.65	21.1
head room	DL+0.8LL+0.8RSX	Combination		X	0.000268	57	28.27	10.74	21.1
head room	DL+0.8LL+0.8RSX	Combination		Y	0.00052	39	20.57	15.65	21.1
head room	DL+0.8LL-0.8EQX	Combination		X	0.000442	57	28.27	10.74	21.1
head room	DL+0.8LL-0.8EQY	Combination		X	0.000328	64	28.27	15.65	21.1
head room	DL+0.8LL-0.8EQY	Combination		Y	0.000458	137	20.57	10.74	21.1
head room	DL+0.8LL-0.8RSX	Combination	Max	X	0.000251	34	21.95	10.74	21.1
head room	DL+0.8LL-0.8RSX	Combination	Max	Y	0.000166	39	20.57	15.65	21.1
head room	DL+0.8LL-0.8RSX	Combination	Min	X	0.000707	57	28.27	10.74	21.1
head room	DL+0.8LL+0.8RSY	Combination	Max	X	0.000197	57	28.27	10.74	21.1
head room	DL+0.8LL+0.8RSY	Combination	Max	Y	0.00048	39	20.57	15.65	21.1
head room	DL+0.8LL+0.8RSY	Combination	Min	X	0.000341	64	28.27	15.65	21.1
head room	DL+0.8LL+0.8RSY	Combination	Min	Y	0.00042	137	20.57	10.74	21.1
head room	DL+0.8LL-0.8RSY	Combination	Max	X	0.000197	57	28.27	10.74	21.1
head room	DL+0.8LL-0.8RSY	Combination	Max	Y	0.00048	39	20.57	15.65	21.1

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
head room	DL+0.8LL-0.8RSY	Combination	Min	X	0.000341	64	28.27	15.65	21.1
head room	DL+0.8LL-0.8RSY	Combination	Min	Y	0.00042	137	20.57	10.74	21.1
head room	DL+EQX	Combination		X	8.5E-05	39	20.57	15.65	21.1
head room	DL+EQX	Combination		Y	0.0001	39	20.57	15.65	21.1
head room	DL+EQY	Combination		X	0.000227	57	28.27	10.74	21.1
head room	DL+EQY	Combination		Y	0.0007	39	20.57	15.65	21.1
head room	DL+RSX	Combination	Max	X	0.000404	38	20.57	13.44	21.1
head room	DL+RSX	Combination	Max	Y	0.000258	39	20.57	15.65	21.1
head room	DL+RSX	Combination	Min	X	0.000775	57	28.27	10.74	21.1
head room	DL+RSY	Combination	Max	X	0.000138	57	28.27	10.74	21.1
head room	DL+RSY	Combination	Max	Y	0.00065	39	20.57	15.65	21.1
head room	DL+RSY	Combination	Min	X	0.000302	64	28.27	15.65	21.1
head room	DL+RSY	Combination	Min	Y	0.00047	137	20.57	10.74	21.1
head room	DL-EQX	Combination		X	0.000445	57	28.27	10.74	21.1
head room	DL-EQX	Combination		Y	8.6E-05	39	20.57	15.65	21.1
head room	DL-EQY	Combination		X	0.000287	64	28.27	15.65	21.1
head room	DL-EQY	Combination		Y	0.000518	137	20.57	10.74	21.1
head room	DL-RSX	Combination	Max	X	0.000404	38	20.57	13.44	21.1
head room	DL-RSX	Combination	Max	Y	0.000258	39	20.57	15.65	21.1
head room	DL-RSX	Combination	Min	X	0.000775	57	28.27	10.74	21.1
head room	DL-RSY	Combination	Max	X	0.000138	57	28.27	10.74	21.1
head room	DL-RSY	Combination	Max	Y	0.00065	39	20.57	15.65	21.1
head room	DL-RSY	Combination	Min	X	0.000302	64	28.27	15.65	21.1
head room	DL-RSY	Combination	Min	Y	0.00047	137	20.57	10.74	21.1
head room	1.5(DL+LL)	Combination		X	0.000381	57	28.27	10.74	21.1
head room	ultimate envelope	Combination	Max	X	0.000711	137	20.57	10.74	21.1
head room	ultimate envelope	Combination	Max	Y	0.001051	39	20.57	15.65	21.1
head room	ultimate envelope	Combination	Min	X	0.001163	57	28.27	10.74	21.1
head room	ultimate envelope	Combination	Min	Y	0.00083	137	20.57	10.74	21.1
head room	seismic weight	Combination		X	0.000192	57	28.27	10.74	21.1
head room	seismic weight	Combination		Y	9.7E-05	39	20.57	15.65	21.1
roof	Dead	LinStatic		X	6E-05	92	57.76	30.63	18.6
roof	Dead	LinStatic		Y	0.000107	7	57.88	24.19	18.6
roof	Live	LinStatic		X	1.6E-05	92	57.76	30.63	18.6
roof	Live	LinStatic		Y	2.9E-05	7	57.88	24.19	18.6
roof	Floor finish	LinStatic		X	2.7E-05	92	57.76	30.63	18.6
roof	Floor finish	LinStatic		Y	5.4E-05	7	57.88	24.19	18.6
roof	sunken filling	LinStatic		X	2E-06	243	56.2	0	18.6
roof	sunken filling	LinStatic		Y	2E-06	5	0	25.87	18.6
roof	wall load	LinStatic		X	2.1E-05	92	57.76	30.63	18.6
roof	wall load	LinStatic		Y	2.5E-05	7	57.88	24.19	18.6
roof	sesmic - X	LinStatic		X	0.001116	243	56.2	0	18.6
roof	sesmic - Y	LinStatic		Y	0.000801	5	0	25.87	18.6
roof	RSX	LinRespSpec	Max	X	0.000957	243	56.2	0	18.6
roof	RSX	LinRespSpec	Max	Y	0.000475	5	0	25.87	18.6
roof	RXY	LinRespSpec	Max	X	0.000216	92	57.76	30.63	18.6
roof	RXY	LinRespSpec	Max	Y	0.000668	7	57.88	24.19	18.6
roof	roof live	LinStatic		X	1.1E-05	243	56.2	0	18.6
roof	roof live	LinStatic		Y	1.8E-05	5	0	25.87	18.6
roof	(DL+LL)	Combination		X	0.000131	92	57.76	30.63	18.6
roof	(DL+LL)	Combination		Y	0.000232	7	57.88	24.19	18.6
roof	09DL+1.5EQX	Combination		X	0.001682	243	56.2	0	18.6
roof	09DL-1.5EQX	Combination		X	0.00175	92	57.76	30.63	18.6
roof	0.9DL+1.5RSX	Combination	Max	X	0.001443	243	56.2	0	18.6
roof	0.9DL+1.5RSX	Combination	Max	Y	0.000708	7	57.88	24.19	18.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
roof	0.9DL+1.5RSX	Combination	Min	X	0.001428	243	56.2	0	18.6
roof	0.9DL+1.5RSX	Combination	Min	Y	0.000742	5	0	25.87	18.6
roof	0.9DL-1.5RSX	Combination	Max	X	0.001443	243	56.2	0	18.6
roof	0.9DL-1.5RSX	Combination	Max	Y	0.000708	7	57.88	24.19	18.6
roof	0.9DL-1.5RSX	Combination	Min	X	0.001428	243	56.2	0	18.6
roof	0.9DL-1.5RSX	Combination	Min	Y	0.000742	5	0	25.87	18.6
roof	09DL-1.5EQY	Combination		Y	0.001231	5	0	25.87	18.6
roof	09DL+1.5EQY	Combination		Y	0.001312	7	57.88	24.19	18.6
roof	0.9DL+1.5RSY	Combination	Max	X	0.000227	92	57.76	30.63	18.6
roof	0.9DL+1.5RSY	Combination	Max	Y	0.00117	7	57.88	24.19	18.6
roof	0.9DL+1.5RSY	Combination	Min	X	0.000421	92	57.76	30.63	18.6
roof	0.9DL+1.5RSY	Combination	Min	Y	0.000929	5	0	25.87	18.6
roof	0.9DL-1.5RSY	Combination	Max	X	0.000227	92	57.76	30.63	18.6
roof	0.9DL-1.5RSY	Combination	Max	Y	0.00117	7	57.88	24.19	18.6
roof	0.9DL-1.5RSY	Combination	Min	X	0.000421	92	57.76	30.63	18.6
roof	0.9DL-1.5RSY	Combination	Min	Y	0.000929	5	0	25.87	18.6
roof	1.2(DL+LL+EQX)	Combination		X	0.001361	243	56.2	0	18.6
roof	1.2(DL+LL-EQX)	Combination		X	0.001479	92	57.76	30.63	18.6
roof	1.2(DL+LL+RSX)	Combination	Max	X	0.00117	243	56.2	0	18.6
roof	1.2(DL+LL+RSX)	Combination	Max	Y	0.000711	7	57.88	24.19	18.6
roof	1.2(DL+LL+RSX)	Combination	Min	X	0.001127	92	57.76	30.63	18.6
roof	1.2(DL+LL+RSX)	Combination	Min	Y	0.000628	5	0	25.87	18.6
roof	1.2(DL+LL-RSX)	Combination	Max	X	0.00117	243	56.2	0	18.6
roof	1.2(DL+LL-RSX)	Combination	Max	Y	0.000711	7	57.88	24.19	18.6
roof	1.2(DL+LL-RSX)	Combination	Min	X	0.001127	92	57.76	30.63	18.6
roof	1.2(DL+LL-RSX)	Combination	Min	Y	0.000628	5	0	25.87	18.6
roof	1.2(DL+LL+EQY)	Combination		Y	0.001194	7	57.88	24.19	18.6
roof	1.2(DL+LL-EQY)	Combination		Y	0.001019	5	0	25.87	18.6
roof	1.2(DL+LL+RSY)	Combination	Max	Y	0.00108	7	57.88	24.19	18.6
roof	1.2(DL+LL+RSY)	Combination	Min	X	0.000416	92	57.76	30.63	18.6
roof	1.2(DL+LL+RSY)	Combination	Min	Y	0.000777	5	0	25.87	18.6
roof	1.2(DL+LL-RSY)	Combination	Max	Y	0.00108	7	57.88	24.19	18.6
roof	1.2(DL+LL-RSY)	Combination	Min	X	0.000416	92	57.76	30.63	18.6
roof	1.2(DL+LL-RSY)	Combination	Min	Y	0.000777	5	0	25.87	18.6
roof	1.5(DL+EQX)	Combination		X	0.001687	243	56.2	0	18.6
roof	1.5(DL+EQY)	Combination		Y	0.001424	7	57.88	24.19	18.6
roof	1.5(DL+RSX)	Combination	Max	X	0.001448	243	56.2	0	18.6
roof	1.5(DL+RSX)	Combination	Max	Y	0.00082	7	57.88	24.19	18.6
roof	1.5(DL+RSX)	Combination	Min	X	0.001422	243	56.2	0	18.6
roof	1.5(DL+RSX)	Combination	Min	Y	0.000762	5	0	25.87	18.6
roof	1.5(DL+RSY)	Combination	Max	X	0.000162	92	57.76	30.63	18.6
roof	1.5(DL+RSY)	Combination	Max	Y	0.001282	7	57.88	24.19	18.6
roof	1.5(DL+RSY)	Combination	Min	X	0.000486	92	57.76	30.63	18.6
roof	1.5(DL+RSY)	Combination	Min	Y	0.000949	5	0	25.87	18.6
roof	1.5(DL-EQX)	Combination		X	0.001815	92	57.76	30.63	18.6
roof	1.5(DL-EQY)	Combination		Y	0.001251	5	0	25.87	18.6
roof	1.5(DL-RSX)	Combination	Max	X	0.001448	243	56.2	0	18.6
roof	1.5(DL-RSX)	Combination	Max	Y	0.00082	7	57.88	24.19	18.6
roof	1.5(DL-RSX)	Combination	Min	X	0.001422	243	56.2	0	18.6
roof	1.5(DL-RSX)	Combination	Min	Y	0.000762	5	0	25.87	18.6
roof	1.5(DL-RSY)	Combination	Max	X	0.000162	92	57.76	30.63	18.6
roof	1.5(DL-RSY)	Combination	Max	Y	0.001282	7	57.88	24.19	18.6
roof	1.5(DL-RSY)	Combination	Min	X	0.000486	92	57.76	30.63	18.6
roof	1.5(DL-RSY)	Combination	Min	Y	0.000949	5	0	25.87	18.6
roof	DL+0.8LL+0.8EQX	Combination		X	0.000909	243	56.2	0	18.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
roof	DL+0.8LL+0.8EQX	Combination		Y	0.000233	7	57.88	24.19	18.6
roof	DL+0.8LL+0.8EQY	Combination		Y	0.000833	7	57.88	24.19	18.6
roof	DL+0.8LL+0.8RSX	Combination		Y	0.000833	7	57.88	24.19	18.6
roof	DL+0.8LL-0.8EQX	Combination		X	0.001008	92	57.76	30.63	18.6
roof	DL+0.8LL-0.8EQY	Combination		X	0.000136	92	57.76	30.63	18.6
roof	DL+0.8LL-0.8EQY	Combination		Y	0.000686	5	0	25.87	18.6
roof	DL+0.8LL-0.8RSX	Combination	Max	X	0.000782	243	56.2	0	18.6
roof	DL+0.8LL-0.8RSX	Combination	Max	Y	0.000511	7	57.88	24.19	18.6
roof	DL+0.8LL-0.8RSX	Combination	Min	X	0.000773	92	57.76	30.63	18.6
roof	DL+0.8LL-0.8RSX	Combination	Min	Y	0.000426	5	0	25.87	18.6
roof	DL+0.8LL+0.8RSY	Combination	Max	Y	0.000758	7	57.88	24.19	18.6
roof	DL+0.8LL+0.8RSY	Combination	Min	X	0.000299	92	57.76	30.63	18.6
roof	DL+0.8LL+0.8RSY	Combination	Min	Y	0.000525	5	0	25.87	18.6
roof	DL+0.8LL-0.8RSY	Combination	Max	Y	0.000758	7	57.88	24.19	18.6
roof	DL+0.8LL-0.8RSY	Combination	Min	X	0.000299	92	57.76	30.63	18.6
roof	DL+0.8LL-0.8RSY	Combination	Min	Y	0.000525	5	0	25.87	18.6
roof	DL+EQX	Combination		X	0.001125	243	56.2	0	18.6
roof	DL+EQY	Combination		Y	0.000949	7	57.88	24.19	18.6
roof	DL+RSX	Combination	Max	X	0.000966	243	56.2	0	18.6
roof	DL+RSX	Combination	Max	Y	0.000546	7	57.88	24.19	18.6
roof	DL+RSX	Combination	Min	X	0.000948	243	56.2	0	18.6
roof	DL+RSX	Combination	Min	Y	0.000508	5	0	25.87	18.6
roof	DL+RSY	Combination	Max	X	0.000108	92	57.76	30.63	18.6
roof	DL+RSY	Combination	Max	Y	0.000855	7	57.88	24.19	18.6
roof	DL+RSY	Combination	Min	X	0.000324	92	57.76	30.63	18.6
roof	DL+RSY	Combination	Min	Y	0.000633	5	0	25.87	18.6
roof	DL-EQX	Combination		X	0.00121	92	57.76	30.63	18.6
roof	DL-EQY	Combination		Y	0.000834	5	0	25.87	18.6
roof	DL-RSX	Combination	Max	X	0.000966	243	56.2	0	18.6
roof	DL-RSX	Combination	Max	Y	0.000546	7	57.88	24.19	18.6
roof	DL-RSX	Combination	Min	X	0.000948	243	56.2	0	18.6
roof	DL-RSX	Combination	Min	Y	0.000508	5	0	25.87	18.6
roof	DL-RSY	Combination	Max	X	0.000108	92	57.76	30.63	18.6
roof	DL-RSY	Combination	Max	Y	0.000855	7	57.88	24.19	18.6
roof	DL-RSY	Combination	Min	X	0.000324	92	57.76	30.63	18.6
roof	DL-RSY	Combination	Min	Y	0.000633	5	0	25.87	18.6
roof	1.5(DL+LL)	Combination		X	0.000196	92	57.76	30.63	18.6
roof	1.5(DL+LL)	Combination		Y	0.000348	7	57.88	24.19	18.6
roof	ultimate envelope	Combination	Max	X	0.001687	243	56.2	0	18.6
roof	ultimate envelope	Combination	Max	Y	0.001424	7	57.88	24.19	18.6
roof	ultimate envelope	Combination	Min	X	0.001815	92	57.76	30.63	18.6
roof	ultimate envelope	Combination	Min	Y	0.001251	5	0	25.87	18.6
roof	seismic weight	Combination		X	0.000112	92	57.76	30.63	18.6
roof	seismic weight	Combination		Y	0.000194	7	57.88	24.19	18.6
story5	Dead	LinStatic		X	4.8E-05	92	57.76	30.63	15.6
story5	Dead	LinStatic		Y	9.5E-05	7	57.88	24.19	15.6
story5	Live	LinStatic		X	1.6E-05	92	57.76	30.63	15.6
story5	Live	LinStatic		Y	3.8E-05	7	57.88	24.19	15.6
story5	Floor finish	LinStatic		X	2.1E-05	92	57.76	30.63	15.6
story5	Floor finish	LinStatic		Y	4.8E-05	7	57.88	24.19	15.6
story5	sunken filling	LinStatic		X	2E-06	92	57.76	30.63	15.6
story5	sunken filling	LinStatic		Y	3E-06	7	57.88	24.19	15.6
story5	wall load	LinStatic		X	1.9E-05	92	57.76	30.63	15.6
story5	wall load	LinStatic		Y	3.4E-05	7	57.88	24.19	15.6
story5	sesmic - X	LinStatic		X	0.001638	243	56.2	0	15.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story5	sesmic - Y	LinStatic		Y	0.001254	5	0	25.87	15.6
story5	RSX	LinRespSpec	Max	X	0.001433	243	56.2	0	15.6
story5	RSX	LinRespSpec	Max	Y	0.000768	5	0	25.87	15.6
story5	RXY	LinRespSpec	Max	X	0.000309	92	57.76	30.63	15.6
story5	RXY	LinRespSpec	Max	Y	0.000998	7	57.88	24.19	15.6
story5	roof live	LinStatic		X	4E-06	243	56.2	0	15.6
story5	roof live	LinStatic		Y	8E-06	5	0	25.87	15.6
story5	(DL+LL)	Combination		X	0.000109	92	57.76	30.63	15.6
story5	(DL+LL)	Combination		Y	0.000223	7	57.88	24.19	15.6
story5	09DL+1.5EQX	Combination		X	0.002469	243	56.2	0	15.6
story5	09DL-1.5EQX	Combination		X	0.002446	243	56.2	0	15.6
story5	0.9DL+1.5RSX	Combination	Max	X	0.00216	243	56.2	0	15.6
story5	0.9DL+1.5RSX	Combination	Max	Y	0.001139	5	0	25.87	15.6
story5	0.9DL+1.5RSX	Combination	Min	X	0.002138	243	56.2	0	15.6
story5	0.9DL+1.5RSX	Combination	Min	Y	0.001164	5	0	25.87	15.6
story5	0.9DL-1.5RSX	Combination	Max	X	0.00216	243	56.2	0	15.6
story5	0.9DL-1.5RSX	Combination	Max	Y	0.001139	5	0	25.87	15.6
story5	0.9DL-1.5RSX	Combination	Min	X	0.002138	243	56.2	0	15.6
story5	0.9DL-1.5RSX	Combination	Min	Y	0.001164	5	0	25.87	15.6
story5	09DL-1.5EQY	Combination		Y	0.001894	5	0	25.87	15.6
story5	09DL+1.5EQY	Combination		Y	0.001869	5	0	25.87	15.6
story5	0.9DL+1.5RSY	Combination	Max	X	0.000382	92	57.76	30.63	15.6
story5	0.9DL+1.5RSY	Combination	Max	Y	0.00166	7	57.88	24.19	15.6
story5	0.9DL+1.5RSY	Combination	Min	X	0.000545	92	57.76	30.63	15.6
story5	0.9DL+1.5RSY	Combination	Min	Y	0.001426	4	0	19.88	15.6
story5	0.9DL-1.5RSY	Combination	Max	X	0.000382	92	57.76	30.63	15.6
story5	0.9DL-1.5RSY	Combination	Max	Y	0.00166	7	57.88	24.19	15.6
story5	0.9DL-1.5RSY	Combination	Min	X	0.000545	92	57.76	30.63	15.6
story5	0.9DL-1.5RSY	Combination	Min	Y	0.001426	4	0	19.88	15.6
story5	1.2(DL+LL+EQX)	Combination		X	0.001991	243	56.2	0	15.6
story5	1.2(DL+LL-EQX)	Combination		X	0.001986	92	57.76	30.63	15.6
story5	1.2(DL+LL+RSX)	Combination	Max	X	0.001744	243	56.2	0	15.6
story5	1.2(DL+LL+RSX)	Combination	Max	Y	0.000967	7	57.88	24.19	15.6
story5	1.2(DL+LL+RSX)	Combination	Min	X	0.001694	243	56.2	0	15.6
story5	1.2(DL+LL+RSX)	Combination	Min	Y	0.000948	5	0	25.87	15.6
story5	1.2(DL+LL-RSX)	Combination	Max	X	0.001744	243	56.2	0	15.6
story5	1.2(DL+LL-RSX)	Combination	Max	Y	0.000967	7	57.88	24.19	15.6
story5	1.2(DL+LL-RSX)	Combination	Min	X	0.001694	243	56.2	0	15.6
story5	1.2(DL+LL-RSX)	Combination	Min	Y	0.000948	5	0	25.87	15.6
story5	1.2(DL+LL+EQY)	Combination		Y	0.001597	7	57.88	24.19	15.6
story5	1.2(DL+LL-EQY)	Combination		Y	0.001532	5	0	25.87	15.6
story5	1.2(DL+LL+RSY)	Combination	Max	X	0.00024	92	57.76	30.63	15.6
story5	1.2(DL+LL+RSY)	Combination	Max	Y	0.001466	7	57.88	24.19	15.6
story5	1.2(DL+LL+RSY)	Combination	Min	X	0.000501	92	57.76	30.63	15.6
story5	1.2(DL+LL+RSY)	Combination	Min	Y	0.001158	4	0	19.88	15.6
story5	1.2(DL+LL-RSY)	Combination	Max	X	0.00024	92	57.76	30.63	15.6
story5	1.2(DL+LL-RSY)	Combination	Max	Y	0.001466	7	57.88	24.19	15.6
story5	1.2(DL+LL-RSY)	Combination	Min	X	0.000501	92	57.76	30.63	15.6
story5	1.2(DL+LL-RSY)	Combination	Min	Y	0.001158	4	0	19.88	15.6
story5	1.5(DL+EQX)	Combination		X	0.002476	243	56.2	0	15.6
story5	1.5(DL+EQY)	Combination		Y	0.001932	7	57.88	24.19	15.6
story5	1.5(DL+RSX)	Combination	Max	X	0.002168	243	56.2	0	15.6
story5	1.5(DL+RSX)	Combination	Max	Y	0.001145	7	57.88	24.19	15.6
story5	1.5(DL+RSX)	Combination	Min	X	0.00213	243	56.2	0	15.6
story5	1.5(DL+RSX)	Combination	Min	Y	0.001173	5	0	25.87	15.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story5	1.5(DL+RSY)	Combination	Max	X	0.000327	92	57.76	30.63	15.6
story5	1.5(DL+RSY)	Combination	Max	Y	0.001769	7	57.88	24.19	15.6
story5	1.5(DL+RSY)	Combination	Min	X	0.000599	92	57.76	30.63	15.6
story5	1.5(DL+RSY)	Combination	Min	Y	0.001435	4	0	19.88	15.6
story5	1.5(DL-EQX)	Combination		X	0.002454	92	57.76	30.63	15.6
story5	1.5(DL-EQY)	Combination		Y	0.001903	5	0	25.87	15.6
story5	1.5(DL-RSX)	Combination	Max	X	0.002168	243	56.2	0	15.6
story5	1.5(DL-RSX)	Combination	Max	Y	0.001145	7	57.88	24.19	15.6
story5	1.5(DL-RSX)	Combination	Min	X	0.00213	243	56.2	0	15.6
story5	1.5(DL-RSX)	Combination	Min	Y	0.001173	5	0	25.87	15.6
story5	1.5(DL-RSY)	Combination	Max	X	0.000327	92	57.76	30.63	15.6
story5	1.5(DL-RSY)	Combination	Max	Y	0.001769	7	57.88	24.19	15.6
story5	1.5(DL-RSY)	Combination	Min	X	0.000599	92	57.76	30.63	15.6
story5	1.5(DL-RSY)	Combination	Min	Y	0.001435	4	0	19.88	15.6
story5	DL+0.8LL+0.8EQX	Combination		X	0.00133	243	56.2	0	15.6
story5	DL+0.8LL+0.8EQY	Combination		Y	0.001101	7	57.88	24.19	15.6
story5	DL+0.8LL+0.8RSX	Combination		Y	0.001101	7	57.88	24.19	15.6
story5	DL+0.8LL-0.8EQX	Combination		X	0.001342	92	57.76	30.63	15.6
story5	DL+0.8LL-0.8EQY	Combination		Y	0.001024	5	0	25.87	15.6
story5	DL+0.8LL-0.8RSX	Combination	Max	X	0.001165	243	56.2	0	15.6
story5	DL+0.8LL-0.8RSX	Combination	Max	Y	0.000681	7	57.88	24.19	15.6
story5	DL+0.8LL-0.8RSX	Combination	Min	X	0.001127	243	56.2	0	15.6
story5	DL+0.8LL-0.8RSX	Combination	Min	Y	0.000635	4	0	19.88	15.6
story5	DL+0.8LL+0.8RSY	Combination	Max	X	0.000142	92	57.76	30.63	15.6
story5	DL+0.8LL+0.8RSY	Combination	Max	Y	0.001013	7	57.88	24.19	15.6
story5	DL+0.8LL+0.8RSY	Combination	Min	X	0.000352	92	57.76	30.63	15.6
story5	DL+0.8LL+0.8RSY	Combination	Min	Y	0.000775	4	0	19.88	15.6
story5	DL+0.8LL-0.8RSY	Combination	Max	X	0.000142	92	57.76	30.63	15.6
story5	DL+0.8LL-0.8RSY	Combination	Max	Y	0.001013	7	57.88	24.19	15.6
story5	DL+0.8LL-0.8RSY	Combination	Min	X	0.000352	92	57.76	30.63	15.6
story5	DL+0.8LL-0.8RSY	Combination	Min	Y	0.000775	4	0	19.88	15.6
story5	DL+EQX	Combination		X	0.001651	243	56.2	0	15.6
story5	DL+EQY	Combination		Y	0.001288	7	57.88	24.19	15.6
story5	DL+RSX	Combination	Max	X	0.001445	243	56.2	0	15.6
story5	DL+RSX	Combination	Max	Y	0.000763	7	57.88	24.19	15.6
story5	DL+RSX	Combination	Min	X	0.00142	243	56.2	0	15.6
story5	DL+RSX	Combination	Min	Y	0.000782	5	0	25.87	15.6
story5	DL+RSY	Combination	Max	X	0.000218	92	57.76	30.63	15.6
story5	DL+RSY	Combination	Max	Y	0.001179	7	57.88	24.19	15.6
story5	DL+RSY	Combination	Min	X	0.000399	92	57.76	30.63	15.6
story5	DL+RSY	Combination	Min	Y	0.000956	4	0	19.88	15.6
story5	DL-EQX	Combination		X	0.001636	92	57.76	30.63	15.6
story5	DL-EQY	Combination		Y	0.001268	5	0	25.87	15.6
story5	DL-RSX	Combination	Max	X	0.001445	243	56.2	0	15.6
story5	DL-RSX	Combination	Max	Y	0.000763	7	57.88	24.19	15.6
story5	DL-RSX	Combination	Min	X	0.00142	243	56.2	0	15.6
story5	DL-RSX	Combination	Min	Y	0.000782	5	0	25.87	15.6
story5	DL-RSY	Combination	Max	X	0.000218	92	57.76	30.63	15.6
story5	DL-RSY	Combination	Max	Y	0.001179	7	57.88	24.19	15.6
story5	DL-RSY	Combination	Min	X	0.000399	92	57.76	30.63	15.6
story5	DL-RSY	Combination	Min	Y	0.000956	4	0	19.88	15.6
story5	1.5(DL+LL)	Combination		X	0.000164	92	57.76	30.63	15.6
story5	1.5(DL+LL)	Combination		Y	0.000335	7	57.88	24.19	15.6
story5	ultimate envelope	Combination	Max	X	0.002476	243	56.2	0	15.6
story5	ultimate envelope	Combination	Max	Y	0.001932	7	57.88	24.19	15.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story5	ultimate envelope	Combination	Min	X	0.002454	92	57.76	30.63	15.6
story5	ultimate envelope	Combination	Min	Y	0.001903	5	0	25.87	15.6
story5	seismic weight	Combination		X	9.5E-05	92	57.76	30.63	15.6
story5	seismic weight	Combination		Y	0.00019	7	57.88	24.19	15.6
story4	Dead	LinStatic		X	4.4E-05	92	57.76	30.63	12.6
story4	Dead	LinStatic		Y	9.3E-05	7	57.88	24.19	12.6
story4	Live	LinStatic		X	1.5E-05	92	57.76	30.63	12.6
story4	Live	LinStatic		Y	3.9E-05	7	57.88	24.19	12.6
story4	Floor finish	LinStatic		X	1.9E-05	92	57.76	30.63	12.6
story4	Floor finish	LinStatic		Y	4.6E-05	7	57.88	24.19	12.6
story4	sunken filling	LinStatic		X	3E-06	92	57.76	30.63	12.6
story4	sunken filling	LinStatic		Y	5E-06	7	57.88	24.19	12.6
story4	wall load	LinStatic		X	1.9E-05	92	57.76	30.63	12.6
story4	wall load	LinStatic		Y	3.5E-05	7	57.88	24.19	12.6
story4	sesmic - X	LinStatic		X	0.002131	243	56.2	0	12.6
story4	sesmic - Y	LinStatic		Y	0.001626	5	0	25.87	12.6
story4	RSX	LinRespSpec	Max	X	0.00192	243	56.2	0	12.6
story4	RSX	LinRespSpec	Max	Y	0.001041	4	0	19.88	12.6
story4	RXY	LinRespSpec	Max	X	0.000398	92	57.76	30.63	12.6
story4	RXY	LinRespSpec	Max	Y	0.001333	7	57.88	24.19	12.6
story4	roof live	LinStatic		Y	6E-06	5	0	25.87	12.6
story4	(DL+LL)	Combination		X	0.000102	92	57.76	30.63	12.6
story4	(DL+LL)	Combination		Y	0.00022	7	57.88	24.19	12.6
story4	09DL+1.5EQX	Combination		X	0.003211	243	56.2	0	12.6
story4	09DL-1.5EQX	Combination		X	0.003184	243	56.2	0	12.6
story4	0.9DL+1.5RSX	Combination	Max	X	0.002894	243	56.2	0	12.6
story4	0.9DL+1.5RSX	Combination	Max	Y	0.001552	4	0	19.88	12.6
story4	0.9DL+1.5RSX	Combination	Min	X	0.002867	243	56.2	0	12.6
story4	0.9DL+1.5RSX	Combination	Min	Y	0.001571	4	0	19.88	12.6
story4	0.9DL-1.5RSX	Combination	Max	X	0.002894	243	56.2	0	12.6
story4	0.9DL-1.5RSX	Combination	Max	Y	0.001552	4	0	19.88	12.6
story4	0.9DL-1.5RSX	Combination	Min	X	0.002867	243	56.2	0	12.6
story4	0.9DL-1.5RSX	Combination	Min	Y	0.001571	4	0	19.88	12.6
story4	09DL-1.5EQY	Combination		Y	0.002449	5	0	25.87	12.6
story4	09DL+1.5EQY	Combination		Y	0.00243	5	0	25.87	12.6
story4	0.9DL+1.5RSY	Combination	Max	X	0.00052	92	57.76	30.63	12.6
story4	0.9DL+1.5RSY	Combination	Max	Y	0.00216	7	57.88	24.19	12.6
story4	0.9DL+1.5RSY	Combination	Min	X	0.000673	92	57.76	30.63	12.6
story4	0.9DL+1.5RSY	Combination	Min	Y	0.001907	5	0	25.87	12.6
story4	0.9DL-1.5RSY	Combination	Max	X	0.00052	92	57.76	30.63	12.6
story4	0.9DL-1.5RSY	Combination	Max	Y	0.00216	7	57.88	24.19	12.6
story4	0.9DL-1.5RSY	Combination	Min	X	0.000673	92	57.76	30.63	12.6
story4	0.9DL-1.5RSY	Combination	Min	Y	0.001907	5	0	25.87	12.6
story4	1.2(DL+LL+EQX)	Combination		X	0.002586	243	56.2	0	12.6
story4	1.2(DL+LL-EQX)	Combination		X	0.00253	243	56.2	0	12.6
story4	1.2(DL+LL+RSX)	Combination	Max	X	0.002332	243	56.2	0	12.6
story4	1.2(DL+LL+RSX)	Combination	Max	Y	0.001229	4	0	19.88	12.6
story4	1.2(DL+LL+RSX)	Combination	Min	X	0.002276	243	56.2	0	12.6
story4	1.2(DL+LL+RSX)	Combination	Min	Y	0.001269	4	0	19.88	12.6
story4	1.2(DL+LL-RSX)	Combination	Max	X	0.002332	243	56.2	0	12.6
story4	1.2(DL+LL-RSX)	Combination	Max	Y	0.001229	4	0	19.88	12.6
story4	1.2(DL+LL-RSX)	Combination	Min	X	0.002276	243	56.2	0	12.6
story4	1.2(DL+LL-RSX)	Combination	Min	Y	0.001269	4	0	19.88	12.6
story4	1.2(DL+LL+EQY)	Combination		Y	0.001964	7	57.88	24.19	12.6
story4	1.2(DL+LL-EQY)	Combination		Y	0.001972	5	0	25.87	12.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story4	1.2(DL+LL+RSY)	Combination	Max	X	0.000355	92	57.76	30.63	12.6
story4	1.2(DL+LL+RSY)	Combination	Max	Y	0.001863	7	57.88	24.19	12.6
story4	1.2(DL+LL+RSY)	Combination	Min	X	0.0006	92	57.76	30.63	12.6
story4	1.2(DL+LL+RSY)	Combination	Min	Y	0.001538	5	0	25.87	12.6
story4	1.2(DL+LL-RSY)	Combination	Max	X	0.000355	92	57.76	30.63	12.6
story4	1.2(DL+LL-RSY)	Combination	Max	Y	0.001863	7	57.88	24.19	12.6
story4	1.2(DL+LL-RSY)	Combination	Min	X	0.0006	92	57.76	30.63	12.6
story4	1.2(DL+LL-RSY)	Combination	Min	Y	0.001538	5	0	25.87	12.6
story4	1.5(DL+EQX)	Combination		X	0.00322	243	56.2	0	12.6
story4	1.5(DL+EQY)	Combination		Y	0.002423	5	0	25.87	12.6
story4	1.5(DL+RSX)	Combination	Max	X	0.002903	243	56.2	0	12.6
story4	1.5(DL+RSX)	Combination	Max	Y	0.001545	4	0	19.88	12.6
story4	1.5(DL+RSX)	Combination	Min	X	0.002858	243	56.2	0	12.6
story4	1.5(DL+RSX)	Combination	Min	Y	0.001577	4	0	19.88	12.6
story4	1.5(DL+RSY)	Combination	Max	X	0.000469	92	57.76	30.63	12.6
story4	1.5(DL+RSY)	Combination	Max	Y	0.002267	7	57.88	24.19	12.6
story4	1.5(DL+RSY)	Combination	Min	X	0.000724	92	57.76	30.63	12.6
story4	1.5(DL+RSY)	Combination	Min	Y	0.001914	5	0	25.87	12.6
story4	1.5(DL-EQX)	Combination		X	0.003175	243	56.2	0	12.6
story4	1.5(DL-EQY)	Combination		Y	0.002456	5	0	25.87	12.6
story4	1.5(DL-RSX)	Combination	Max	X	0.002903	243	56.2	0	12.6
story4	1.5(DL-RSX)	Combination	Max	Y	0.001545	4	0	19.88	12.6
story4	1.5(DL-RSX)	Combination	Min	X	0.002858	243	56.2	0	12.6
story4	1.5(DL-RSX)	Combination	Min	Y	0.001577	4	0	19.88	12.6
story4	1.5(DL-RSY)	Combination	Max	X	0.000469	92	57.76	30.63	12.6
story4	1.5(DL-RSY)	Combination	Max	Y	0.002267	7	57.88	24.19	12.6
story4	1.5(DL-RSY)	Combination	Min	X	0.000724	92	57.76	30.63	12.6
story4	1.5(DL-RSY)	Combination	Min	Y	0.001914	5	0	25.87	12.6
story4	DL+0.8LL+0.8EQX	Combination		X	0.001727	243	56.2	0	12.6
story4	DL+0.8LL+0.8EQY	Combination		Y	0.001345	7	57.88	24.19	12.6
story4	DL+0.8LL+0.8RSX	Combination		Y	0.001345	7	57.88	24.19	12.6
story4	DL+0.8LL-0.8EQX	Combination		X	0.001686	92	57.76	30.63	12.6
story4	DL+0.8LL-0.8EQY	Combination		Y	0.001317	5	0	25.87	12.6
story4	DL+0.8LL-0.8RSX	Combination	Max	X	0.001558	243	56.2	0	12.6
story4	DL+0.8LL-0.8RSX	Combination	Max	Y	0.000851	7	57.88	24.19	12.6
story4	DL+0.8LL-0.8RSX	Combination	Min	X	0.001515	243	56.2	0	12.6
story4	DL+0.8LL-0.8RSX	Combination	Min	Y	0.000848	4	0	19.88	12.6
story4	DL+0.8LL+0.8RSY	Combination	Max	X	0.000219	92	57.76	30.63	12.6
story4	DL+0.8LL+0.8RSY	Combination	Max	Y	0.001278	7	57.88	24.19	12.6
story4	DL+0.8LL+0.8RSY	Combination	Min	X	0.000417	92	57.76	30.63	12.6
story4	DL+0.8LL+0.8RSY	Combination	Min	Y	0.001028	5	0	25.87	12.6
story4	DL+0.8LL-0.8RSY	Combination	Max	X	0.000219	92	57.76	30.63	12.6
story4	DL+0.8LL-0.8RSY	Combination	Max	Y	0.001278	7	57.88	24.19	12.6
story4	DL+0.8LL-0.8RSY	Combination	Min	X	0.000417	92	57.76	30.63	12.6
story4	DL+0.8LL-0.8RSY	Combination	Min	Y	0.001028	5	0	25.87	12.6
story4	DL+EQX	Combination		X	0.002147	243	56.2	0	12.6
story4	DL+EQY	Combination		Y	0.001616	5	0	25.87	12.6
story4	DL+RSX	Combination	Max	X	0.001935	243	56.2	0	12.6
story4	DL+RSX	Combination	Max	Y	0.00103	4	0	19.88	12.6
story4	DL+RSX	Combination	Min	X	0.001905	243	56.2	0	12.6
story4	DL+RSX	Combination	Min	Y	0.001052	4	0	19.88	12.6
story4	DL+RSY	Combination	Max	X	0.000312	92	57.76	30.63	12.6
story4	DL+RSY	Combination	Max	Y	0.001511	7	57.88	24.19	12.6
story4	DL+RSY	Combination	Min	X	0.000483	92	57.76	30.63	12.6
story4	DL+RSY	Combination	Min	Y	0.001276	5	0	25.87	12.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story4	DL-EQX	Combination		X	0.002116	243	56.2	0	12.6
story4	DL-EQY	Combination		Y	0.001637	5	0	25.87	12.6
story4	DL-RSX	Combination	Max	X	0.001935	243	56.2	0	12.6
story4	DL-RSX	Combination	Max	Y	0.00103	4	0	19.88	12.6
story4	DL-RSX	Combination	Min	X	0.001905	243	56.2	0	12.6
story4	DL-RSX	Combination	Min	Y	0.001052	4	0	19.88	12.6
story4	DL-RSY	Combination	Max	X	0.000312	92	57.76	30.63	12.6
story4	DL-RSY	Combination	Max	Y	0.001511	7	57.88	24.19	12.6
story4	DL-RSY	Combination	Min	X	0.000483	92	57.76	30.63	12.6
story4	DL-RSY	Combination	Min	Y	0.001276	5	0	25.87	12.6
story4	1.5(DL+LL)	Combination		X	0.000153	92	57.76	30.63	12.6
story4	1.5(DL+LL)	Combination		Y	0.00033	7	57.88	24.19	12.6
story4	ultimate envelope	Combination	Max	X	0.00322	243	56.2	0	12.6
story4	ultimate envelope	Combination	Max	Y	0.00243	5	0	25.87	12.6
story4	ultimate envelope	Combination	Min	X	0.003184	243	56.2	0	12.6
story4	ultimate envelope	Combination	Min	Y	0.002456	5	0	25.87	12.6
story4	seismic weight	Combination		X	8.9E-05	92	57.76	30.63	12.6
story4	seismic weight	Combination		Y	0.000189	7	57.88	24.19	12.6
story3	Dead	LinStatic		X	3.9E-05	92	57.76	30.63	9.6
story3	Dead	LinStatic		Y	8.8E-05	7	57.88	24.19	9.6
story3	Live	LinStatic		X	1.3E-05	92	57.76	30.63	9.6
story3	Live	LinStatic		Y	3.8E-05	7	57.88	24.19	9.6
story3	Floor finish	LinStatic		X	1.6E-05	92	57.76	30.63	9.6
story3	Floor finish	LinStatic		Y	4.4E-05	7	57.88	24.19	9.6
story3	sunken filling	LinStatic		X	4E-06	92	57.76	30.63	9.6
story3	sunken filling	LinStatic		Y	6E-06	7	57.88	24.19	9.6
story3	wall load	LinStatic		X	1.8E-05	92	57.76	30.63	9.6
story3	wall load	LinStatic		Y	3.5E-05	7	57.88	24.19	9.6
story3	sesmic - X	LinStatic		X	0.002471	243	56.2	0	9.6
story3	sesmic - Y	LinStatic		Y	0.001868	5	0	25.87	9.6
story3	RSX	LinRespSpec	Max	X	0.002348	243	56.2	0	9.6
story3	RSX	LinRespSpec	Max	Y	0.001273	5	0	25.87	9.6
story3	RXY	LinRespSpec	Max	X	0.000472	92	57.76	30.63	9.6
story3	RXY	LinRespSpec	Max	Y	0.001637	7	57.88	24.19	9.6
story3	roof live	LinStatic		Y	4E-06	5	0	25.87	9.6
story3	(DL+LL)	Combination		X	9.3E-05	92	57.76	30.63	9.6
story3	(DL+LL)	Combination		Y	0.000212	7	57.88	24.19	9.6
story3	09DL+1.5EQX	Combination		X	0.003721	243	56.2	0	9.6
story3	09DL-1.5EQX	Combination		X	0.003692	243	56.2	0	9.6
story3	0.9DL+1.5RSX	Combination	Max	X	0.003537	243	56.2	0	9.6
story3	0.9DL+1.5RSX	Combination	Max	Y	0.001905	5	0	25.87	9.6
story3	0.9DL+1.5RSX	Combination	Min	X	0.003508	243	56.2	0	9.6
story3	0.9DL+1.5RSX	Combination	Min	Y	0.001913	5	0	25.87	9.6
story3	0.9DL-1.5RSX	Combination	Max	X	0.003537	243	56.2	0	9.6
story3	0.9DL-1.5RSX	Combination	Max	Y	0.001905	5	0	25.87	9.6
story3	0.9DL-1.5RSX	Combination	Min	X	0.003508	243	56.2	0	9.6
story3	0.9DL-1.5RSX	Combination	Min	Y	0.001913	5	0	25.87	9.6
story3	09DL-1.5EQY	Combination		Y	0.002805	5	0	25.87	9.6
story3	09DL+1.5EQY	Combination		Y	0.002798	5	0	25.87	9.6
story3	0.9DL+1.5RSY	Combination	Max	X	0.000638	92	57.76	30.63	9.6
story3	0.9DL+1.5RSY	Combination	Max	Y	0.002612	7	57.88	24.19	9.6
story3	0.9DL+1.5RSY	Combination	Min	X	0.000778	92	57.76	30.63	9.6
story3	0.9DL+1.5RSY	Combination	Min	Y	0.002309	5	0	25.87	9.6
story3	0.9DL-1.5RSY	Combination	Max	X	0.000638	92	57.76	30.63	9.6
story3	0.9DL-1.5RSY	Combination	Max	Y	0.002612	7	57.88	24.19	9.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story3	0.9DL-1.5RSY	Combination	Min	X	0.000778	92	57.76	30.63	9.6
story3	0.9DL-1.5RSY	Combination	Min	Y	0.002309	5	0	25.87	9.6
story3	1.2(DL+LL+EQX)	Combination		X	0.002993	243	56.2	0	9.6
story3	1.2(DL+LL-EQX)	Combination		X	0.002937	243	56.2	0	9.6
story3	1.2(DL+LL+RSX)	Combination	Max	X	0.002846	243	56.2	0	9.6
story3	1.2(DL+LL+RSX)	Combination	Max	Y	0.001519	5	0	25.87	9.6
story3	1.2(DL+LL+RSX)	Combination	Min	X	0.00279	243	56.2	0	9.6
story3	1.2(DL+LL+RSX)	Combination	Min	Y	0.001536	5	0	25.87	9.6
story3	1.2(DL+LL-RSX)	Combination	Max	X	0.002846	243	56.2	0	9.6
story3	1.2(DL+LL-RSX)	Combination	Max	Y	0.001519	5	0	25.87	9.6
story3	1.2(DL+LL-RSX)	Combination	Min	X	0.00279	243	56.2	0	9.6
story3	1.2(DL+LL-RSX)	Combination	Min	Y	0.001536	5	0	25.87	9.6
story3	1.2(DL+LL+EQY)	Combination		Y	0.002233	5	0	25.87	9.6
story3	1.2(DL+LL-EQY)	Combination		Y	0.00225	5	0	25.87	9.6
story3	1.2(DL+LL+RSY)	Combination	Max	X	0.000455	92	57.76	30.63	9.6
story3	1.2(DL+LL+RSY)	Combination	Max	Y	0.002219	7	57.88	24.19	9.6
story3	1.2(DL+LL+RSY)	Combination	Min	X	0.000677	92	57.76	30.63	9.6
story3	1.2(DL+LL+RSY)	Combination	Min	Y	0.001853	5	0	25.87	9.6
story3	1.2(DL+LL-RSY)	Combination	Max	X	0.000455	92	57.76	30.63	9.6
story3	1.2(DL+LL-RSY)	Combination	Max	Y	0.002219	7	57.88	24.19	9.6
story3	1.2(DL+LL-RSY)	Combination	Min	X	0.000677	92	57.76	30.63	9.6
story3	1.2(DL+LL-RSY)	Combination	Min	Y	0.001853	5	0	25.87	9.6
story3	1.5(DL+EQX)	Combination		X	0.00373	243	56.2	0	9.6
story3	1.5(DL+EQY)	Combination		Y	0.002795	5	0	25.87	9.6
story3	1.5(DL+RSX)	Combination	Max	X	0.003547	243	56.2	0	9.6
story3	1.5(DL+RSX)	Combination	Max	Y	0.001903	5	0	25.87	9.6
story3	1.5(DL+RSX)	Combination	Min	X	0.003499	243	56.2	0	9.6
story3	1.5(DL+RSX)	Combination	Min	Y	0.001915	5	0	25.87	9.6
story3	1.5(DL+RSY)	Combination	Max	X	0.000591	92	57.76	30.63	9.6
story3	1.5(DL+RSY)	Combination	Max	Y	0.002716	7	57.88	24.19	9.6
story3	1.5(DL+RSY)	Combination	Min	X	0.000824	92	57.76	30.63	9.6
story3	1.5(DL+RSY)	Combination	Min	Y	0.002312	5	0	25.87	9.6
story3	1.5(DL-EQX)	Combination		X	0.003682	243	56.2	0	9.6
story3	1.5(DL-EQY)	Combination		Y	0.002808	5	0	25.87	9.6
story3	1.5(DL-RSX)	Combination	Max	X	0.003547	243	56.2	0	9.6
story3	1.5(DL-RSX)	Combination	Max	Y	0.001903	5	0	25.87	9.6
story3	1.5(DL-RSX)	Combination	Min	X	0.003499	243	56.2	0	9.6
story3	1.5(DL-RSX)	Combination	Min	Y	0.001915	5	0	25.87	9.6
story3	1.5(DL-RSY)	Combination	Max	X	0.000591	92	57.76	30.63	9.6
story3	1.5(DL-RSY)	Combination	Max	Y	0.002716	7	57.88	24.19	9.6
story3	1.5(DL-RSY)	Combination	Min	X	0.000824	92	57.76	30.63	9.6
story3	1.5(DL-RSY)	Combination	Min	Y	0.002312	5	0	25.87	9.6
story3	DL+0.8LL+0.8EQX	Combination		X	0.001999	243	56.2	0	9.6
story3	DL+0.8LL+0.8EQY	Combination		Y	0.001515	7	57.88	24.19	9.6
story3	DL+0.8LL+0.8RSX	Combination		Y	0.001515	7	57.88	24.19	9.6
story3	DL+0.8LL-0.8EQX	Combination		X	0.001955	243	56.2	0	9.6
story3	DL+0.8LL-0.8EQY	Combination		Y	0.001501	5	0	25.87	9.6
story3	DL+0.8LL-0.8RSX	Combination	Max	X	0.001901	243	56.2	0	9.6
story3	DL+0.8LL-0.8RSX	Combination	Max	Y	0.001012	5	0	25.87	9.6
story3	DL+0.8LL-0.8RSX	Combination	Min	X	0.001857	243	56.2	0	9.6
story3	DL+0.8LL-0.8RSX	Combination	Min	Y	0.001025	5	0	25.87	9.6
story3	DL+0.8LL+0.8RSY	Combination	Max	X	0.000288	92	57.76	30.63	9.6
story3	DL+0.8LL+0.8RSY	Combination	Max	Y	0.001514	7	57.88	24.19	9.6
story3	DL+0.8LL+0.8RSY	Combination	Min	X	0.000467	92	57.76	30.63	9.6
story3	DL+0.8LL+0.8RSY	Combination	Min	Y	0.001236	5	0	25.87	9.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story3	DL+0.8LL-0.8RSY	Combination	Max	X	0.000288	92	57.76	30.63	9.6
story3	DL+0.8LL-0.8RSY	Combination	Max	Y	0.001514	7	57.88	24.19	9.6
story3	DL+0.8LL-0.8RSY	Combination	Min	X	0.000467	92	57.76	30.63	9.6
story3	DL+0.8LL-0.8RSY	Combination	Min	Y	0.001236	5	0	25.87	9.6
story3	DL+EQX	Combination		X	0.002487	243	56.2	0	9.6
story3	DL+EQY	Combination		Y	0.001863	5	0	25.87	9.6
story3	DL+RSX	Combination	Max	X	0.002364	243	56.2	0	9.6
story3	DL+RSX	Combination	Max	Y	0.001269	5	0	25.87	9.6
story3	DL+RSX	Combination	Min	X	0.002332	243	56.2	0	9.6
story3	DL+RSX	Combination	Min	Y	0.001277	5	0	25.87	9.6
story3	DL+RSY	Combination	Max	X	0.000394	92	57.76	30.63	9.6
story3	DL+RSY	Combination	Max	Y	0.00181	7	57.88	24.19	9.6
story3	DL+RSY	Combination	Min	X	0.00055	92	57.76	30.63	9.6
story3	DL+RSY	Combination	Min	Y	0.001541	5	0	25.87	9.6
story3	DL-EQX	Combination		X	0.002455	243	56.2	0	9.6
story3	DL-EQY	Combination		Y	0.001872	5	0	25.87	9.6
story3	DL-RSX	Combination	Max	X	0.002364	243	56.2	0	9.6
story3	DL-RSX	Combination	Max	Y	0.001269	5	0	25.87	9.6
story3	DL-RSX	Combination	Min	X	0.002332	243	56.2	0	9.6
story3	DL-RSX	Combination	Min	Y	0.001277	5	0	25.87	9.6
story3	DL-RSY	Combination	Max	X	0.000394	92	57.76	30.63	9.6
story3	DL-RSY	Combination	Max	Y	0.00181	7	57.88	24.19	9.6
story3	DL-RSY	Combination	Min	X	0.00055	92	57.76	30.63	9.6
story3	DL-RSY	Combination	Min	Y	0.001541	5	0	25.87	9.6
story3	1.5(DL+LL)	Combination		X	0.000139	92	57.76	30.63	9.6
story3	1.5(DL+LL)	Combination		Y	0.000319	7	57.88	24.19	9.6
story3	ultimate envelope	Combination	Max	X	0.00373	243	56.2	0	9.6
story3	ultimate envelope	Combination	Max	Y	0.002798	5	0	25.87	9.6
story3	ultimate envelope	Combination	Min	X	0.003692	243	56.2	0	9.6
story3	ultimate envelope	Combination	Min	Y	0.002808	5	0	25.87	9.6
story3	seismic weight	Combination		X	8.1E-05	92	57.76	30.63	9.6
story3	seismic weight	Combination		Y	0.000183	7	57.88	24.19	9.6
story2	Dead	LinStatic		X	3.6E-05	92	57.76	30.63	6.6
story2	Dead	LinStatic		Y	7.9E-05	7	57.88	24.19	6.6
story2	Live	LinStatic		X	1.2E-05	92	57.76	30.63	6.6
story2	Live	LinStatic		Y	3.3E-05	7	57.88	24.19	6.6
story2	Floor finish	LinStatic		X	1.4E-05	92	57.76	30.63	6.6
story2	Floor finish	LinStatic		Y	3.8E-05	7	57.88	24.19	6.6
story2	sunken filling	LinStatic		X	5E-06	92	57.76	30.63	6.6
story2	sunken filling	LinStatic		Y	6E-06	7	57.88	24.19	6.6
story2	wall load	LinStatic		X	1.8E-05	92	57.76	30.63	6.6
story2	wall load	LinStatic		Y	3.2E-05	7	57.88	24.19	6.6
story2	sesmic - X	LinStatic		X	0.00278	243	56.2	0	6.6
story2	sesmic - Y	LinStatic		Y	0.002002	5	0	25.87	6.6
story2	RSX	LinRespSpec	Max	X	0.002853	243	56.2	0	6.6
story2	RSX	LinRespSpec	Max	Y	0.001525	4	0	19.88	6.6
story2	RXY	LinRespSpec	Max	X	0.000547	92	57.76	30.63	6.6
story2	RXY	LinRespSpec	Max	Y	0.001955	7	57.88	24.19	6.6
story2	roof live	LinStatic		Y	3E-06	5	0	25.87	6.6
story2	(DL+LL)	Combination		X	8.7E-05	92	57.76	30.63	6.6
story2	(DL+LL)	Combination		Y	0.000189	7	57.88	24.19	6.6
story2	09DL+1.5EQX	Combination		X	0.00417	243	56.2	0	6.6
story2	09DL-1.5EQX	Combination		X	0.00417	243	56.2	0	6.6
story2	0.9DL+1.5RSX	Combination	Max	X	0.00428	243	56.2	0	6.6
story2	0.9DL+1.5RSX	Combination	Max	Y	0.002301	4	0	19.88	6.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story2	0.9DL+1.5RSX	Combination	Min	X	0.00428	243	56.2	0	6.6
story2	0.9DL+1.5RSX	Combination	Min	Y	0.002274	4	0	19.88	6.6
story2	0.9DL-1.5RSX	Combination	Max	X	0.00428	243	56.2	0	6.6
story2	0.9DL-1.5RSX	Combination	Max	Y	0.002301	4	0	19.88	6.6
story2	0.9DL-1.5RSX	Combination	Min	X	0.00428	243	56.2	0	6.6
story2	0.9DL-1.5RSX	Combination	Min	Y	0.002274	4	0	19.88	6.6
story2	09DL-1.5EQY	Combination		Y	0.002989	5	0	25.87	6.6
story2	09DL+1.5EQY	Combination		Y	0.003016	5	0	25.87	6.6
story2	0.9DL+1.5RSY	Combination	Max	X	0.000754	92	57.76	30.63	6.6
story2	0.9DL+1.5RSY	Combination	Max	Y	0.003071	7	57.88	24.19	6.6
story2	0.9DL+1.5RSY	Combination	Min	X	0.000887	92	57.76	30.63	6.6
story2	0.9DL+1.5RSY	Combination	Min	Y	0.002792	7	57.88	24.19	6.6
story2	0.9DL-1.5RSY	Combination	Max	X	0.000754	92	57.76	30.63	6.6
story2	0.9DL-1.5RSY	Combination	Max	Y	0.003071	7	57.88	24.19	6.6
story2	0.9DL-1.5RSY	Combination	Min	X	0.000887	92	57.76	30.63	6.6
story2	0.9DL-1.5RSY	Combination	Min	Y	0.002792	7	57.88	24.19	6.6
story2	1.2(DL+LL+EQX)	Combination		X	0.003339	243	56.2	0	6.6
story2	1.2(DL+LL-EQX)	Combination		X	0.003333	243	56.2	0	6.6
story2	1.2(DL+LL+RSX)	Combination	Max	X	0.003427	243	56.2	0	6.6
story2	1.2(DL+LL+RSX)	Combination	Max	Y	0.001854	4	0	19.88	6.6
story2	1.2(DL+LL+RSX)	Combination	Min	X	0.003421	243	56.2	0	6.6
story2	1.2(DL+LL+RSX)	Combination	Min	Y	0.001806	4	0	19.88	6.6
story2	1.2(DL+LL-RSX)	Combination	Max	X	0.003427	243	56.2	0	6.6
story2	1.2(DL+LL-RSX)	Combination	Max	Y	0.001854	4	0	19.88	6.6
story2	1.2(DL+LL-RSX)	Combination	Min	X	0.003421	243	56.2	0	6.6
story2	1.2(DL+LL-RSX)	Combination	Min	Y	0.001806	4	0	19.88	6.6
story2	1.2(DL+LL+EQY)	Combination		Y	0.002426	5	0	25.87	6.6
story2	1.2(DL+LL-EQY)	Combination		Y	0.002378	5	0	25.87	6.6
story2	1.2(DL+LL+RSY)	Combination	Max	X	0.000551	92	57.76	30.63	6.6
story2	1.2(DL+LL+RSY)	Combination	Max	Y	0.002572	7	57.88	24.19	6.6
story2	1.2(DL+LL+RSY)	Combination	Min	X	0.000761	92	57.76	30.63	6.6
story2	1.2(DL+LL+RSY)	Combination	Min	Y	0.002119	7	57.88	24.19	6.6
story2	1.2(DL+LL-RSY)	Combination	Max	X	0.000551	92	57.76	30.63	6.6
story2	1.2(DL+LL-RSY)	Combination	Max	Y	0.002572	7	57.88	24.19	6.6
story2	1.2(DL+LL-RSY)	Combination	Min	X	0.000761	92	57.76	30.63	6.6
story2	1.2(DL+LL-RSY)	Combination	Min	Y	0.002119	7	57.88	24.19	6.6
story2	1.5(DL+EQX)	Combination		X	0.004171	243	56.2	0	6.6
story2	1.5(DL+EQY)	Combination		Y	0.003025	5	0	25.87	6.6
story2	1.5(DL+RSX)	Combination	Max	X	0.00428	243	56.2	0	6.6
story2	1.5(DL+RSX)	Combination	Max	Y	0.00231	4	0	19.88	6.6
story2	1.5(DL+RSX)	Combination	Min	X	0.00428	243	56.2	0	6.6
story2	1.5(DL+RSX)	Combination	Min	Y	0.002265	4	0	19.88	6.6
story2	1.5(DL+RSY)	Combination	Max	X	0.000709	92	57.76	30.63	6.6
story2	1.5(DL+RSY)	Combination	Max	Y	0.003164	7	57.88	24.19	6.6
story2	1.5(DL+RSY)	Combination	Min	X	0.000931	92	57.76	30.63	6.6
story2	1.5(DL+RSY)	Combination	Min	Y	0.0027	7	57.88	24.19	6.6
story2	1.5(DL-EQX)	Combination		X	0.00417	243	56.2	0	6.6
story2	1.5(DL-EQY)	Combination		Y	0.00298	5	0	25.87	6.6
story2	1.5(DL-RSX)	Combination	Max	X	0.00428	243	56.2	0	6.6
story2	1.5(DL-RSX)	Combination	Max	Y	0.00231	4	0	19.88	6.6
story2	1.5(DL-RSX)	Combination	Min	X	0.00428	243	56.2	0	6.6
story2	1.5(DL-RSX)	Combination	Min	Y	0.002265	4	0	19.88	6.6
story2	1.5(DL-RSY)	Combination	Max	X	0.000709	92	57.76	30.63	6.6
story2	1.5(DL-RSY)	Combination	Max	Y	0.003164	7	57.88	24.19	6.6
story2	1.5(DL-RSY)	Combination	Min	X	0.000931	92	57.76	30.63	6.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story2	1.5(DL-RSY)	Combination	Min	Y	0.0027	7	57.88	24.19	6.6
story2	DL+0.8LL+0.8EQX	Combination		X	0.002226	243	56.2	0	6.6
story2	DL+0.8LL+0.8EQY	Combination		Y	0.00163	7	57.88	24.19	6.6
story2	DL+0.8LL+0.8RSX	Combination		Y	0.00163	7	57.88	24.19	6.6
story2	DL+0.8LL-0.8EQX	Combination		X	0.002222	243	56.2	0	6.6
story2	DL+0.8LL-0.8EQY	Combination		Y	0.001583	5	0	25.87	6.6
story2	DL+0.8LL-0.8RSX	Combination	Max	X	0.002285	243	56.2	0	6.6
story2	DL+0.8LL-0.8RSX	Combination	Max	Y	0.001239	4	0	19.88	6.6
story2	DL+0.8LL-0.8RSX	Combination	Min	X	0.002281	243	56.2	0	6.6
story2	DL+0.8LL-0.8RSX	Combination	Min	Y	0.001201	5	0	25.87	6.6
story2	DL+0.8LL+0.8RSY	Combination	Max	X	0.000353	92	57.76	30.63	6.6
story2	DL+0.8LL+0.8RSY	Combination	Max	Y	0.001746	7	57.88	24.19	6.6
story2	DL+0.8LL+0.8RSY	Combination	Min	X	0.000522	92	57.76	30.63	6.6
story2	DL+0.8LL+0.8RSY	Combination	Min	Y	0.001402	5	0	25.87	6.6
story2	DL+0.8LL-0.8RSY	Combination	Max	X	0.000353	92	57.76	30.63	6.6
story2	DL+0.8LL-0.8RSY	Combination	Max	Y	0.001746	7	57.88	24.19	6.6
story2	DL+0.8LL-0.8RSY	Combination	Min	X	0.000522	92	57.76	30.63	6.6
story2	DL+0.8LL-0.8RSY	Combination	Min	Y	0.001402	5	0	25.87	6.6
story2	DL+EQX	Combination		X	0.00278	243	56.2	0	6.6
story2	DL+EQY	Combination		Y	0.002017	5	0	25.87	6.6
story2	DL+RSX	Combination	Max	X	0.002854	243	56.2	0	6.6
story2	DL+RSX	Combination	Max	Y	0.00154	4	0	19.88	6.6
story2	DL+RSX	Combination	Min	X	0.002853	243	56.2	0	6.6
story2	DL+RSX	Combination	Min	Y	0.00151	4	0	19.88	6.6
story2	DL+RSY	Combination	Max	X	0.000473	92	57.76	30.63	6.6
story2	DL+RSY	Combination	Max	Y	0.002109	7	57.88	24.19	6.6
story2	DL+RSY	Combination	Min	X	0.000621	92	57.76	30.63	6.6
story2	DL+RSY	Combination	Min	Y	0.0018	7	57.88	24.19	6.6
story2	DL-EQX	Combination		X	0.00278	243	56.2	0	6.6
story2	DL-EQY	Combination		Y	0.001987	5	0	25.87	6.6
story2	DL-RSX	Combination	Max	X	0.002854	243	56.2	0	6.6
story2	DL-RSX	Combination	Max	Y	0.00154	4	0	19.88	6.6
story2	DL-RSX	Combination	Min	X	0.002853	243	56.2	0	6.6
story2	DL-RSX	Combination	Min	Y	0.00151	4	0	19.88	6.6
story2	DL-RSY	Combination	Max	X	0.000473	92	57.76	30.63	6.6
story2	DL-RSY	Combination	Max	Y	0.002109	7	57.88	24.19	6.6
story2	DL-RSY	Combination	Min	X	0.000621	92	57.76	30.63	6.6
story2	DL-RSY	Combination	Min	Y	0.0018	7	57.88	24.19	6.6
story2	1.5(DL+LL)	Combination		X	0.000131	92	57.76	30.63	6.6
story2	1.5(DL+LL)	Combination		Y	0.000284	7	57.88	24.19	6.6
story2	ultimate envelope	Combination	Max	X	0.00428	243	56.2	0	6.6
story2	ultimate envelope	Combination	Max	Y	0.003164	7	57.88	24.19	6.6
story2	ultimate envelope	Combination	Min	X	0.00428	243	56.2	0	6.6
story2	ultimate envelope	Combination	Min	Y	0.002989	5	0	25.87	6.6
story2	seismic weight	Combination		X	7.7E-05	92	57.76	30.63	6.6
story2	seismic weight	Combination		Y	0.000163	7	57.88	24.19	6.6
story1	Dead	LinStatic		X	3.7E-05	44	44.73	3.36	3.6
story1	Dead	LinStatic		Y	7.2E-05	61	51.97	0	3.6
story1	Live	LinStatic		X	1.5E-05	44	44.73	3.36	3.6
story1	Live	LinStatic		Y	2.8E-05	61	51.97	0	3.6
story1	Floor finish	LinStatic		X	1.7E-05	44	44.73	3.36	3.6
story1	Floor finish	LinStatic		Y	3.3E-05	61	51.97	0	3.6
story1	sunken filling	LinStatic		Y	1.6E-05	12	56.52	16.42	3.6
story1	wall load	LinStatic		X	1.6E-05	44	44.73	3.36	3.6
story1	wall load	LinStatic		Y	3.4E-05	62	55.13	0	3.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story1	sesmic - X	LinStatic		X	0.002979	1	0	4.49	3.6
story1	sesmic - Y	LinStatic		Y	0.002183	28	17.41	4.87	3.6
story1	RSX	LinRespSpec	Max	X	0.003297	62	55.13	0	3.6
story1	RSX	LinRespSpec	Max	Y	0.001942	5	0	25.87	3.6
story1	RXY	LinRespSpec	Max	X	0.000612	6	0	31.59	3.6
story1	RXY	LinRespSpec	Max	Y	0.002321	238	49.53	5.87	3.6
story1	roof live	LinStatic		X	2E-06	38	20.57	13.44	3.6
story1	roof live	LinStatic		Y	2E-06	40	22.86	15.65	3.6
story1	(DL+LL)	Combination		X	8.8E-05	44	44.73	3.36	3.6
story1	(DL+LL)	Combination		Y	0.000175	61	51.97	0	3.6
story1	09DL+1.5EQX	Combination		X	0.004492	1	0	4.49	3.6
story1	09DL-1.5EQX	Combination		X	0.004444	1	0	4.49	3.6
story1	0.9DL+1.5RSX	Combination	Max	X	0.004974	49	0	0	3.6
story1	0.9DL+1.5RSX	Combination	Max	Y	0.002915	49	0	0	3.6
story1	0.9DL+1.5RSX	Combination	Min	X	0.00495	62	55.13	0	3.6
story1	0.9DL+1.5RSX	Combination	Min	Y	0.002919	6	0	31.59	3.6
story1	0.9DL-1.5RSX	Combination	Max	X	0.004974	49	0	0	3.6
story1	0.9DL-1.5RSX	Combination	Max	Y	0.002915	49	0	0	3.6
story1	0.9DL-1.5RSX	Combination	Min	X	0.00495	62	55.13	0	3.6
story1	0.9DL-1.5RSX	Combination	Min	Y	0.002919	6	0	31.59	3.6
story1	09DL-1.5EQY	Combination		Y	0.003264	5	0	25.87	3.6
story1	09DL+1.5EQY	Combination		Y	0.003305	28	17.41	4.87	3.6
story1	0.9DL+1.5RSY	Combination	Max	X	0.000908	6	0	31.59	3.6
story1	0.9DL+1.5RSY	Combination	Max	Y	0.003584	238	49.53	5.87	3.6
story1	0.9DL+1.5RSY	Combination	Min	X	0.000935	295	21.95	31.59	3.6
story1	0.9DL+1.5RSY	Combination	Min	Y	0.00338	238	49.53	5.87	3.6
story1	0.9DL-1.5RSY	Combination	Max	X	0.000908	6	0	31.59	3.6
story1	0.9DL-1.5RSY	Combination	Max	Y	0.003584	238	49.53	5.87	3.6
story1	0.9DL-1.5RSY	Combination	Min	X	0.000935	295	21.95	31.59	3.6
story1	0.9DL-1.5RSY	Combination	Min	Y	0.00338	238	49.53	5.87	3.6
story1	1.2(DL+LL+EQX)	Combination		X	0.003645	44	44.73	3.36	3.6
story1	1.2(DL+LL-EQX)	Combination		X	0.003553	17	14.25	4.49	3.6
story1	1.2(DL+LL+RSX)	Combination	Max	X	0.004004	49	0	0	3.6
story1	1.2(DL+LL+RSX)	Combination	Max	Y	0.00234	49	0	0	3.6
story1	1.2(DL+LL+RSX)	Combination	Min	X	0.003962	62	55.13	0	3.6
story1	1.2(DL+LL+RSX)	Combination	Min	Y	0.00234	6	0	31.59	3.6
story1	1.2(DL+LL-RSX)	Combination	Max	X	0.004004	49	0	0	3.6
story1	1.2(DL+LL-RSX)	Combination	Max	Y	0.00234	49	0	0	3.6
story1	1.2(DL+LL-RSX)	Combination	Min	X	0.003962	62	55.13	0	3.6
story1	1.2(DL+LL-RSX)	Combination	Min	Y	0.00234	6	0	31.59	3.6
story1	1.2(DL+LL+EQY)	Combination		Y	0.002707	238	49.53	5.87	3.6
story1	1.2(DL+LL-EQY)	Combination		Y	0.002615	6	0	31.59	3.6
story1	1.2(DL+LL+RSY)	Combination	Max	X	0.000721	6	0	31.59	3.6
story1	1.2(DL+LL+RSY)	Combination	Max	Y	0.002947	238	49.53	5.87	3.6
story1	1.2(DL+LL+RSY)	Combination	Min	X	0.000784	92	57.76	30.63	3.6
story1	1.2(DL+LL+RSY)	Combination	Min	Y	0.002624	238	49.53	5.87	3.6
story1	1.2(DL+LL-RSY)	Combination	Max	X	0.000721	6	0	31.59	3.6
story1	1.2(DL+LL-RSY)	Combination	Max	Y	0.002947	238	49.53	5.87	3.6
story1	1.2(DL+LL-RSY)	Combination	Min	X	0.000784	92	57.76	30.63	3.6
story1	1.2(DL+LL-RSY)	Combination	Min	Y	0.002624	238	49.53	5.87	3.6
story1	1.5(DL+EQX)	Combination		X	0.004533	44	44.73	3.36	3.6
story1	1.5(DL+EQY)	Combination		Y	0.003352	238	49.53	5.87	3.6
story1	1.5(DL+RSX)	Combination	Max	X	0.004996	49	0	0	3.6
story1	1.5(DL+RSX)	Combination	Max	Y	0.002919	49	0	0	3.6
story1	1.5(DL+RSX)	Combination	Min	X	0.004953	62	55.13	0	3.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story1	1.5(DL+RSX)	Combination	Min	Y	0.002926	6	0	31.59	3.6
story1	1.5(DL+RSY)	Combination	Max	X	0.000902	6	0	31.59	3.6
story1	1.5(DL+RSY)	Combination	Max	Y	0.003652	238	49.53	5.87	3.6
story1	1.5(DL+RSY)	Combination	Min	X	0.000965	92	57.76	30.63	3.6
story1	1.5(DL+RSY)	Combination	Min	Y	0.003312	238	49.53	5.87	3.6
story1	1.5(DL-EQX)	Combination		X	0.00444	17	14.25	4.49	3.6
story1	1.5(DL-EQY)	Combination		Y	0.00327	6	0	31.59	3.6
story1	1.5(DL-RSX)	Combination	Max	X	0.004996	49	0	0	3.6
story1	1.5(DL-RSX)	Combination	Max	Y	0.002919	49	0	0	3.6
story1	1.5(DL-RSX)	Combination	Min	X	0.004953	62	55.13	0	3.6
story1	1.5(DL-RSX)	Combination	Min	Y	0.002926	6	0	31.59	3.6
story1	1.5(DL-RSY)	Combination	Max	X	0.000902	6	0	31.59	3.6
story1	1.5(DL-RSY)	Combination	Max	Y	0.003652	238	49.53	5.87	3.6
story1	1.5(DL-RSY)	Combination	Min	X	0.000965	92	57.76	30.63	3.6
story1	1.5(DL-RSY)	Combination	Min	Y	0.003312	238	49.53	5.87	3.6
story1	DL+0.8LL+0.8EQX	Combination		X	0.002445	44	44.73	3.36	3.6
story1	DL+0.8LL+0.8EQY	Combination		Y	0.001828	238	49.53	5.87	3.6
story1	DL+0.8LL+0.8RSX	Combination		Y	0.001828	238	49.53	5.87	3.6
story1	DL+0.8LL-0.8EQX	Combination		X	0.002371	17	14.25	4.49	3.6
story1	DL+0.8LL-0.8EQY	Combination		Y	0.001745	6	0	31.59	3.6
story1	DL+0.8LL-0.8RSX	Combination	Max	X	0.002677	49	0	0	3.6
story1	DL+0.8LL-0.8RSX	Combination	Max	Y	0.001561	49	0	0	3.6
story1	DL+0.8LL-0.8RSX	Combination	Min	X	0.002643	61	51.97	0	3.6
story1	DL+0.8LL-0.8RSX	Combination	Min	Y	0.001562	6	0	31.59	3.6
story1	DL+0.8LL+0.8RSY	Combination	Max	X	0.000479	6	0	31.59	3.6
story1	DL+0.8LL+0.8RSY	Combination	Max	Y	0.001987	238	49.53	5.87	3.6
story1	DL+0.8LL+0.8RSY	Combination	Min	X	0.000533	92	57.76	30.63	3.6
story1	DL+0.8LL+0.8RSY	Combination	Min	Y	0.001732	88	50.71	24.19	3.6
story1	DL+0.8LL-0.8RSY	Combination	Max	X	0.000479	6	0	31.59	3.6
story1	DL+0.8LL-0.8RSY	Combination	Max	Y	0.001987	238	49.53	5.87	3.6
story1	DL+0.8LL-0.8RSY	Combination	Min	X	0.000533	92	57.76	30.63	3.6
story1	DL+0.8LL-0.8RSY	Combination	Min	Y	0.001732	88	50.71	24.19	3.6
story1	DL+EQX	Combination		X	0.003022	44	44.73	3.36	3.6
story1	DL+EQY	Combination		Y	0.002235	238	49.53	5.87	3.6
story1	DL+RSX	Combination	Max	X	0.003331	49	0	0	3.6
story1	DL+RSX	Combination	Max	Y	0.001946	49	0	0	3.6
story1	DL+RSX	Combination	Min	X	0.003302	62	55.13	0	3.6
story1	DL+RSX	Combination	Min	Y	0.00195	6	0	31.59	3.6
story1	DL+RSY	Combination	Max	X	0.000601	6	0	31.59	3.6
story1	DL+RSY	Combination	Max	Y	0.002435	238	49.53	5.87	3.6
story1	DL+RSY	Combination	Min	X	0.000643	92	57.76	30.63	3.6
story1	DL+RSY	Combination	Min	Y	0.002208	238	49.53	5.87	3.6
story1	DL-EQX	Combination		X	0.00296	17	14.25	4.49	3.6
story1	DL-EQY	Combination		Y	0.00218	6	0	31.59	3.6
story1	DL-RSX	Combination	Max	X	0.003331	49	0	0	3.6
story1	DL-RSX	Combination	Max	Y	0.001946	49	0	0	3.6
story1	DL-RSX	Combination	Min	X	0.003302	62	55.13	0	3.6
story1	DL-RSX	Combination	Min	Y	0.00195	6	0	31.59	3.6
story1	DL-RSY	Combination	Max	X	0.000601	6	0	31.59	3.6
story1	DL-RSY	Combination	Max	Y	0.002435	238	49.53	5.87	3.6
story1	DL-RSY	Combination	Min	X	0.000643	92	57.76	30.63	3.6
story1	DL-RSY	Combination	Min	Y	0.002208	238	49.53	5.87	3.6
story1	1.5(DL+LL)	Combination		X	0.000133	44	44.73	3.36	3.6
story1	1.5(DL+LL)	Combination		Y	0.000262	61	51.97	0	3.6
story1	ultimate envelope	Combination	Max	X	0.004996	49	0	0	3.6

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
story1	ultimate envelope	Combination	Max	Y	0.003652	238	49.53	5.87	3.6
story1	ultimate envelope	Combination	Min	X	0.004953	62	55.13	0	3.6
story1	ultimate envelope	Combination	Min	Y	0.00338	238	49.53	5.87	3.6
story1	seismic weight	Combination		X	7.7E-05	44	44.73	3.36	3.6
story1	seismic weight	Combination		Y	0.000154	61	51.97	0	3.6
plinth beam	Dead	LinStatic		X	4.2E-05	44	44.73	3.36	0
plinth beam	Dead	LinStatic		Y	4.5E-05	166	48.35	12.56	0
plinth beam	Live	LinStatic		X	1.7E-05	44	44.73	3.36	0
plinth beam	Live	LinStatic		Y	1.7E-05	166	48.35	12.56	0
plinth beam	Floor finish	LinStatic		X	2.2E-05	44	44.73	3.36	0
plinth beam	Floor finish	LinStatic		Y	2.2E-05	166	48.35	12.56	0
plinth beam	sunken filling	LinStatic		X	7E-06	188	56.16	20.31	0
plinth beam	sunken filling	LinStatic		Y	1.3E-05	12	56.52	16.42	0
plinth beam	wall load	LinStatic		X	1.6E-05	44	44.73	3.36	0
plinth beam	wall load	LinStatic		Y	2.1E-05	73	36.39	4	0
plinth beam	sesmic - X	LinStatic		X	0.001654	54	32.92	0	0
plinth beam	sesmic - Y	LinStatic		Y	0.001211	3	0	15.65	0
plinth beam	RSX	LinRespSpec	Max	X	0.001904	54	32.92	0	0
plinth beam	RSX	LinRespSpec	Max	Y	0.001132	3	0	15.65	0
plinth beam	RXY	LinRespSpec	Max	X	0.000357	81	39.62	31.59	0
plinth beam	RXY	LinRespSpec	Max	Y	0.001238	92	57.76	30.63	0
plinth beam	roof live	LinStatic		X	2E-06	38	20.57	13.44	0
plinth beam	roof live	LinStatic		Y	2E-06	159	25.11	10.74	0
plinth beam	(DL+LL)	Combination		X	0.000101	44	44.73	3.36	0
plinth beam	(DL+LL)	Combination		Y	0.000104	166	48.35	12.56	0
plinth beam	09DL+1.5EQX	Combination		X	0.002488	54	32.92	0	0
plinth beam	09DL-1.5EQX	Combination		X	0.002486	49	0	0	0
plinth beam	0.9DL+1.5RSX	Combination	Max	X	0.002862	55	39.62	0	0
plinth beam	0.9DL+1.5RSX	Combination	Max	Y	0.001692	6	0	31.59	0
plinth beam	0.9DL+1.5RSX	Combination	Min	X	0.002856	49	0	0	0
plinth beam	0.9DL+1.5RSX	Combination	Min	Y	0.001706	1	0	4.49	0
plinth beam	0.9DL-1.5RSX	Combination	Max	X	0.002862	55	39.62	0	0
plinth beam	0.9DL-1.5RSX	Combination	Max	Y	0.001692	6	0	31.59	0
plinth beam	0.9DL-1.5RSX	Combination	Min	X	0.002856	49	0	0	0
plinth beam	0.9DL-1.5RSX	Combination	Min	Y	0.001706	1	0	4.49	0
plinth beam	09DL-1.5EQY	Combination		Y	0.001823	1	0	4.49	0
plinth beam	09DL+1.5EQY	Combination		Y	0.001815	6	0	31.59	0
plinth beam	0.9DL+1.5RSY	Combination	Max	X	0.0005	81	39.62	31.59	0
plinth beam	0.9DL+1.5RSY	Combination	Max	Y	0.001888	92	57.76	30.63	0
plinth beam	0.9DL+1.5RSY	Combination	Min	X	0.000578	6	0	31.59	0
plinth beam	0.9DL+1.5RSY	Combination	Min	Y	0.001865	62	55.13	0	0
plinth beam	0.9DL-1.5RSY	Combination	Max	X	0.0005	81	39.62	31.59	0
plinth beam	0.9DL-1.5RSY	Combination	Max	Y	0.001888	92	57.76	30.63	0
plinth beam	0.9DL-1.5RSY	Combination	Min	X	0.000578	6	0	31.59	0
plinth beam	0.9DL-1.5RSY	Combination	Min	Y	0.001865	62	55.13	0	0
plinth beam	1.2(DL+LL+EQX)	Combination		X	0.001997	55	39.62	0	0
plinth beam	1.2(DL+LL-EQX)	Combination		X	0.00201	49	0	0	0
plinth beam	1.2(DL+LL+RSX)	Combination	Max	X	0.002297	55	39.62	0	0
plinth beam	1.2(DL+LL+RSX)	Combination	Max	Y	0.001358	6	0	31.59	0
plinth beam	1.2(DL+LL+RSX)	Combination	Min	X	0.002306	49	0	0	0
plinth beam	1.2(DL+LL+RSX)	Combination	Min	Y	0.001374	1	0	4.49	0
plinth beam	1.2(DL+LL-RSX)	Combination	Max	X	0.002297	55	39.62	0	0
plinth beam	1.2(DL+LL-RSX)	Combination	Max	Y	0.001358	6	0	31.59	0
plinth beam	1.2(DL+LL-RSX)	Combination	Min	X	0.002306	49	0	0	0
plinth beam	1.2(DL+LL-RSX)	Combination	Min	Y	0.001374	1	0	4.49	0

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
plinth beam	1.2(DL+LL+EQY)	Combination		Y	0.001476	73	36.39	4	0
plinth beam	1.2(DL+LL-EQY)	Combination		Y	0.001467	1	0	4.49	0
plinth beam	1.2(DL+LL+RSY)	Combination	Max	X	0.000395	92	57.76	30.63	0
plinth beam	1.2(DL+LL+RSY)	Combination	Max	Y	0.001534	92	57.76	30.63	0
plinth beam	1.2(DL+LL+RSY)	Combination	Min	X	0.000503	6	0	31.59	0
plinth beam	1.2(DL+LL+RSY)	Combination	Min	Y	0.001513	62	55.13	0	0
plinth beam	1.2(DL+LL-RSY)	Combination	Max	X	0.000395	92	57.76	30.63	0
plinth beam	1.2(DL+LL-RSY)	Combination	Max	Y	0.001534	92	57.76	30.63	0
plinth beam	1.2(DL+LL-RSY)	Combination	Min	X	0.000503	6	0	31.59	0
plinth beam	1.2(DL+LL-RSY)	Combination	Min	Y	0.001513	62	55.13	0	0
plinth beam	1.5(DL+EQX)	Combination		X	0.002493	55	39.62	0	0
plinth beam	1.5(DL+EQY)	Combination		Y	0.001825	73	36.39	4	0
plinth beam	1.5(DL+RSX)	Combination	Max	X	0.002869	55	39.62	0	0
plinth beam	1.5(DL+RSX)	Combination	Max	Y	0.001695	6	0	31.59	0
plinth beam	1.5(DL+RSX)	Combination	Min	X	0.002875	49	0	0	0
plinth beam	1.5(DL+RSX)	Combination	Min	Y	0.001715	1	0	4.49	0
plinth beam	1.5(DL+RSY)	Combination	Max	X	0.000491	92	57.76	30.63	0
plinth beam	1.5(DL+RSY)	Combination	Max	Y	0.001909	92	57.76	30.63	0
plinth beam	1.5(DL+RSY)	Combination	Min	X	0.000612	6	0	31.59	0
plinth beam	1.5(DL+RSY)	Combination	Min	Y	0.001886	62	55.13	0	0
plinth beam	1.5(DL-EQX)	Combination		X	0.002505	49	0	0	0
plinth beam	1.5(DL-EQY)	Combination		Y	0.001832	1	0	4.49	0
plinth beam	1.5(DL-RSX)	Combination	Max	X	0.002869	55	39.62	0	0
plinth beam	1.5(DL-RSX)	Combination	Max	Y	0.001695	6	0	31.59	0
plinth beam	1.5(DL-RSX)	Combination	Min	X	0.002875	49	0	0	0
plinth beam	1.5(DL-RSX)	Combination	Min	Y	0.001715	1	0	4.49	0
plinth beam	1.5(DL-RSY)	Combination	Max	X	0.000491	92	57.76	30.63	0
plinth beam	1.5(DL-RSY)	Combination	Max	Y	0.001909	92	57.76	30.63	0
plinth beam	1.5(DL-RSY)	Combination	Min	X	0.000612	6	0	31.59	0
plinth beam	1.5(DL-RSY)	Combination	Min	Y	0.001886	62	55.13	0	0
plinth beam	DL+0.8LL+0.8EQX	Combination		X	0.001333	55	39.62	0	0
plinth beam	DL+0.8LL+0.8EQY	Combination		Y	0.001	73	36.39	4	0
plinth beam	DL+0.8LL+0.8RSX	Combination		Y	0.001	73	36.39	4	0
plinth beam	DL+0.8LL-0.8EQX	Combination		X	0.001346	49	0	0	0
plinth beam	DL+0.8LL-0.8EQY	Combination		Y	0.000981	1	0	4.49	0
plinth beam	DL+0.8LL-0.8RSX	Combination	Max	X	0.001534	55	39.62	0	0
plinth beam	DL+0.8LL-0.8RSX	Combination	Max	Y	0.000907	6	0	31.59	0
plinth beam	DL+0.8LL-0.8RSX	Combination	Min	X	0.001543	49	0	0	0
plinth beam	DL+0.8LL-0.8RSX	Combination	Min	Y	0.000919	1	0	4.49	0
plinth beam	DL+0.8LL+0.8RSY	Combination	Max	X	0.000263	92	57.76	30.63	0
plinth beam	DL+0.8LL+0.8RSY	Combination	Max	Y	0.001038	73	36.39	4	0
plinth beam	DL+0.8LL+0.8RSY	Combination	Min	X	0.000347	6	0	31.59	0
plinth beam	DL+0.8LL+0.8RSY	Combination	Min	Y	0.001016	62	55.13	0	0
plinth beam	DL+0.8LL-0.8RSY	Combination	Max	X	0.000263	92	57.76	30.63	0
plinth beam	DL+0.8LL-0.8RSY	Combination	Max	Y	0.001038	73	36.39	4	0
plinth beam	DL+0.8LL-0.8RSY	Combination	Min	X	0.000347	6	0	31.59	0
plinth beam	DL+0.8LL-0.8RSY	Combination	Min	Y	0.001016	62	55.13	0	0
plinth beam	DL+EQX	Combination		X	0.001662	55	39.62	0	0
plinth beam	DL+EQY	Combination		Y	0.001217	73	36.39	4	0
plinth beam	DL+RSX	Combination	Max	X	0.001913	55	39.62	0	0
plinth beam	DL+RSX	Combination	Max	Y	0.00113	6	0	31.59	0
plinth beam	DL+RSX	Combination	Min	X	0.001916	49	0	0	0
plinth beam	DL+RSX	Combination	Min	Y	0.001144	1	0	4.49	0
plinth beam	DL+RSY	Combination	Max	X	0.000328	92	57.76	30.63	0
plinth beam	DL+RSY	Combination	Max	Y	0.001273	92	57.76	30.63	0

Story	Output Case	Case Type	Step Type	Direction	Drift	Label	X m	Y m	Z m
plinth beam	DL+RSY	Combination	Min	X	0.000408	6	0	31.59	0
plinth beam	DL+RSY	Combination	Min	Y	0.001258	62	55.13	0	0
plinth beam	DL-EQX	Combination		X	0.00167	49	0	0	0
plinth beam	DL-EQY	Combination		Y	0.001221	1	0	4.49	0
plinth beam	DL-RSX	Combination	Max	X	0.001913	55	39.62	0	0
plinth beam	DL-RSX	Combination	Max	Y	0.00113	6	0	31.59	0
plinth beam	DL-RSX	Combination	Min	X	0.001916	49	0	0	0
plinth beam	DL-RSX	Combination	Min	Y	0.001144	1	0	4.49	0
plinth beam	DL-RSY	Combination	Max	X	0.000328	92	57.76	30.63	0
plinth beam	DL-RSY	Combination	Max	Y	0.001273	92	57.76	30.63	0
plinth beam	DL-RSY	Combination	Min	X	0.000408	6	0	31.59	0
plinth beam	DL-RSY	Combination	Min	Y	0.001258	62	55.13	0	0
plinth beam	1.5(DL+LL)	Combination		X	0.000151	44	44.73	3.36	0
plinth beam	1.5(DL+LL)	Combination		Y	0.000156	166	48.35	12.56	0
plinth beam	ultimate envelope	Combination	Max	X	0.002869	55	39.62	0	0
plinth beam	ultimate envelope	Combination	Max	Y	0.001909	92	57.76	30.63	0
plinth beam	ultimate envelope	Combination	Min	X	0.002875	49	0	0	0
plinth beam	ultimate envelope	Combination	Min	Y	0.001886	62	55.13	0	0
plinth beam	seismic weight	Combination		X	8.8E-05	44	44.73	3.36	0
plinth beam	seismic weight	Combination		Y	9.1E-05	166	48.35	12.56	0

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	1.531	0.7658	0.0032	0	0.7658	0.0032	0	0.0004	0.1087	0.1196	0.0004
Modal	2	1.341	0.0982	0.2212	0	0.864	0.2244	0	0.0295	0.0148	0.5559	0.0299
Modal	3	1.283	0.0146	0.6593	0	0.8786	0.8837	0	0.0909	0.0022	0.2087	0.1208
Modal	4	0.46	0.0629	0.0008	0	0.9415	0.8845	0	0.0074	0.6033	0.007	0.1282
Modal	5	0.413	0.0126	0.0217	0	0.954	0.9062	0	0.2059	0.0952	0.0473	0.334
Modal	6	0.386	0.0016	0.0531	0	0.9556	0.9592	0	0.5112	0.0107	0.0199	0.8453
Modal	7	0.238	0.0135	0.0002	0	0.9691	0.9595	0	0.0004	0.0306	0.0018	0.8457
Modal	8	0.212	0.0037	0.0046	0	0.9728	0.9641	0	0.0101	0.0082	0.0092	0.8558
Modal	9	0.196	0.0005	0.0114	0	0.9733	0.9755	0	0.0267	0.0011	0.0051	0.8825
Modal	10	0.172	0.0018	0	0	0.9751	0.9755	0	6.985E-06	0.0106	2.974E-05	0.8825
Modal	11	0.164	3.94E-05	0	0	0.9751	0.9755	0	0	0.0002	2.179E-05	0.8825
Modal	12	0.16	0	1.674E-06	0	0.9751	0.9755	0	7.98E-06	0	8.865E-06	0.8825

DESIGN OF ISOLATED SQUARE FOOTING: (column C44)

Load in kn (P)	3300	Breadth of pedestal	380
SBC in kn/m^2	165	Length of pedestal	750
Size of the footing required (B)	4.472136	Free end thickness	230
Net upward pressure (q)	164.4212	Size provided in m	4.48
Maximum bending moment @ face of the column (Mu)	2321.694	Size in feet	14.69
Depth required (d)	1047.799	Depth provided (d)	1050
K	3.973292		
Pt	1.118		
Ast in mm^2	6221.67		
Spacing of 10mm dia	56.55382		
Spacing of 12mm dia	81.43923		

Spacing of 16mm dia	144.776		
Check for one way shear:			
Shear force (V)	1104.911		
Eff. Depth (d')	645.1899		
Top width	2630		
Tv	0.651154	Tc from table-19	0.68
Pt	0.95		Safe in SHEAR
Ast in mm^2	16120.07		
Spacing of 10mm dia	21.8274		
Spacing of 12mm dia	31.43212		
Spacing of 16mm dia	55.87748		
Check for two way shear:			
Punching shear (Vp)	4315.17		
Perimeter of the critical section	6460		
Eff. Depth (d')	863.1646		
Tv	0.773877		
Tc	1.369306	Punching Ratio	0.57
			Safe in punching
Check for transfer of load @ the column base:			
Permissible bearing stress	27		
Actual bearing stress	11.57895		

Design of short column with bi axial bending: C56

Description	GF
Axial load in Kn	2982
Moment in Knm (Mux)	161
Moment in Knm (Muy)	320
Assumed length of column in mm (D)	750
Assumed breadth of column in mm (B)	300
Assumed % of steel	4.7
Grade of concrete	30
p/fck	0.156666667
d'/D	0.066666667
d'/B	0.166666667
Pu/(fck*B*D)	0.441777778
Referring to chart in SP-16	chart-48
Value from chart	0.2
Mux1 in Knm	1012.5
Referring to chart in SP-16	chart-50
Value from chart	0.165
Muy1 in Knm	334.125
Referring to chart-63 of SP-16	
Puz/ Ag	27
Puz in Kn	6075
Pu/Puz	0.490864198
Mux/Mux1	0.159012346

Muy/Muy1	0.957725402	
Referring to chart-64 of SP-16		
Permissible Muy/Muy1	0.97	
Check	safe and assumed % of steel is correct	
Ast required	10575	
Provide steel		
Dia of lateral ties:		
Dia of main rod provided	25	
6mm	6mm	
1/4 times Dia of main rod	06.25	
Dia of lateral ties choosen	8mm	
Spacing of lateral ties:		
16 times the dia of main rod		400
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)	=	3.13 kn/m^2
Live load	=	2.00 kn/m^2
Partition wall load	=	1.00 kn/m^2
Floor finish load	=	1.50 kn/m^2
		7.63 kn/m^2

Say w = 8.0 kn/m^2

Long span L_y = 5.83 m

Short span L_x = 3.28 m

L_y / L_x = 1.78 < 2.0

To design as two way slab with two adjacent edges as continuous & slab thickness as 125mm

Positive moment @ mid span = 0.084 x 1.5 x 8 x 3.28^2

= 10.84knm

Negative moment @ edges = 0.047 x 1.5 x 8 x 3.28^2

= 6.07knm

Referring to the table – 37 of SP – 16 and assuming the slab thickness as 125mm

Provide 8mm dia @ 140mm c/c along shorter span and 8mm dia @ 160mm c/c along the longer span with alternate rods cranked @ 0.2 times of respective span

Check for deflection:

Permissible span / depth = 23.0 x 1.3 (referring to chart 23)

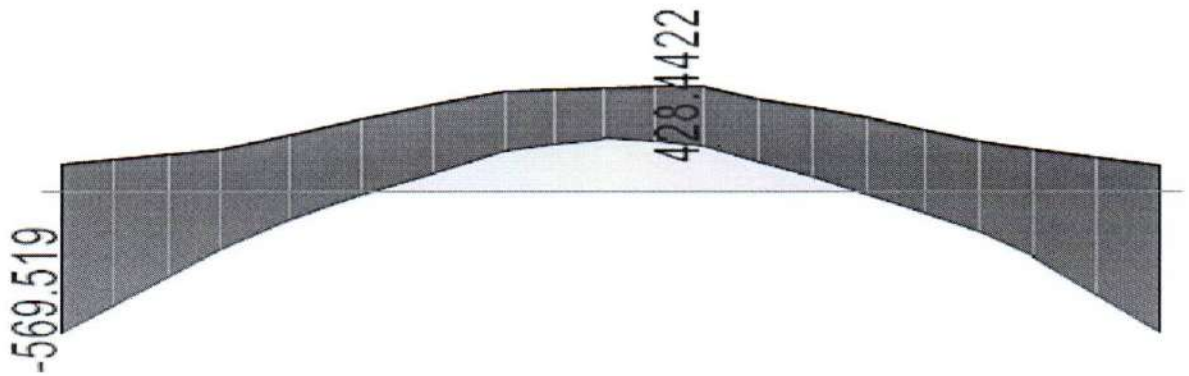
= 29.9

Actual deflection = 3280 / 110

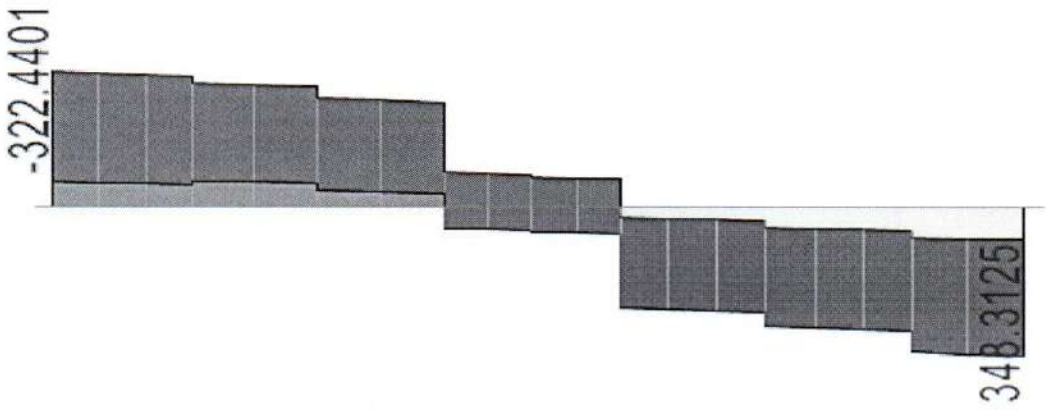
= 29.82 < 29.90

Hence safe

Design of critical floor beam:



Critical Bending Moment Diagram



Critical Shear Force Diagram

Assume beam size as 230mm x 675mm

Max factored B.M @ top of support = 570knm

K = 6.34, Pt= 1.716, Pc = 0.618

A_{st} = 2467 mm^2 A_{sc} = 889 mm^2

Therefore provide 4-25+2-20mm dia@ top of support

Max factored moment @ bottom = 429knm

K = 4.78, Pt = 1.329, Pc = 0.207

A_{st} = 1911 mm^2

Therefore provide 3-25+2-20mm dia @ bottom

Factored shear force @ support = 350kn

V_{us} = 350000 – (0.80 x 230 x 625)

V_{us}/d = 3.76kn/cm

Referring to Table – 62 of SP-16, provide 8mm dia stirrups @ 90mm c/c

end of report

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THE LANDLENS SUITE

Eight ways to know a piece of land before you pay for it.

This report covers one part of the picture. These cover the rest, drawn from the same government records, for any property in Tamil Nadu.

LandLens One
Ask anything about a property and get an answer grounded in live government records, with the sources shown.
/landlens/one

Verify My Land
Every record check run on one property and returned as a single report.
/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.