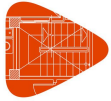


INDEX

1. NOTES.....	2
2. WALLS.....	2
2.1. SW1.....	2
2.2. SW2.....	3
2.3. SW3.....	4
2.4. SW4.....	4
2.5. SW5.....	5
2.6. SW6.....	5
3. COUPLING BEAMS.....	6
3.1. Floor 1.....	6
3.2. Floor 2.....	6
3.3. Floor 3.....	6
3.4. Floor 4.....	6
3.5. Floor 5.....	7
3.6. Floor 6.....	7
3.7. Floor 7.....	7
3.8. Floor 8.....	7
3.9. Floor 9.....	7
3.10. Floor 10.....	7
3.11. Floor 11.....	8
3.12. Floor 12.....	8
3.13. Floor 13.....	8
3.14. Floor 14.....	8



1. NOTES

D/C: Demand/Capacity ratio.

NR: No check required.

2. WALLS

2.1. SW1

Span		Segment				Initial edge element		Final edge element	
Reference	Normal loading (D/C)	Reference	Shear (D/C)	Layouts	Seismic layouts		Seismic layouts		Seismic layouts
Floor 15	0.03	S1	0.01	✓	✓	✓	NR	✓	NR
		S2	0.03	✓	✓	✓	NR	✓	NR
		S3	0.03	✓	✓	✓	NR	✓	NR
Floor 14	0.06	S1	0.05	✓	✓	✓	NR	✓	NR
		S2	0.18	✓	✓	✓	NR	✓	NR
		S3	0.18	✓	✓	✓	NR	✓	NR
Floor 13	0.09	S1	0.08	✓	✓	✓	NR	✓	NR
		S2	0.18	✓	✓	✓	NR	✓	NR
		S3	0.18	✓	✓	✓	NR	✓	NR
Floor 12	0.13	S1	0.10	✓	✓	✓	NR	✓	NR
		S2	0.20	✓	✓	✓	NR	✓	NR
		S3	0.20	✓	✓	✓	NR	✓	NR
Floor 11	0.17	S1	0.12	✓	✓	✓	NR	✓	NR
		S2	0.21	✓	✓	✓	NR	✓	NR
		S3	0.21	✓	✓	✓	NR	✓	NR
Floor 10	0.21	S1	0.13	✓	✓	✓	NR	✓	NR
		S2	0.21	✓	✓	✓	NR	✓	NR
		S3	0.21	✓	✓	✓	NR	✓	NR
Floor 9	0.24	S1	0.14	✓	✓	✓	NR	✓	NR
		S2	0.21	✓	✓	✓	NR	✓	NR
		S3	0.21	✓	✓	✓	NR	✓	NR
Floor 8	0.29	S1	0.15	✓	✓	✓	NR	✓	NR
		S2	0.22	✓	✓	✓	NR	✓	NR
		S3	0.21	✓	✓	✓	NR	✓	NR
Floor 7	0.32	S1	0.17	✓	✓	✓	NR	✓	NR
		S2	0.25	✓	✓	✓	NR	✓	✓
		S3	0.24	✓	✓	✓	NR	✓	NR
Floor 6	0.36	S1	0.18	✓	✓	✓	NR	✓	NR
		S2	0.35	✓	✓	✓	NR	✓	✓
		S3	0.35	✓	✓	✓	NR	✓	✓
Floor 5	0.40	S1	0.20	✓	✓	✓	NR	✓	NR
		S2	0.35	✓	✓	✓	NR	✓	✓
		S3	0.35	✓	✓	✓	NR	✓	✓
Floor 4	0.44	S1	0.21	✓	✓	✓	NR	✓	NR
		S2	0.37	✓	✓	✓	NR	✓	✓
		S3	0.37	✓	✓	✓	NR	✓	✓



Checks

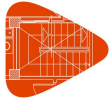
Example_01

Date: 05/14/26

Span		Segment				Initial edge element		Final edge element	
Reference	Normal loading (D/C)	Reference	Shear (D/C)	Layouts	Seismic layouts		Seismic layouts		Seismic layouts
Floor 3	0.47	S1	0.22	✓	✓	✓	✓	✓	✓
		S2	0.38	✓	✓	✓	✓	✓	✓
		S3	0.38	✓	✓	✓	✓	✓	✓
Floor 2	0.50	S1	0.23	✓	✓	✓	✓	✓	✓
		S2	0.39	✓	✓	✓	✓	✓	✓
		S3	0.39	✓	✓	✓	✓	✓	✓
Floor 1	0.54	S1	0.22	✓	✓	✓	✓	✓	✓
		S2	0.34	✓	✓	✓	✓	✓	✓
		S3	0.34	✓	✓	✓	✓	✓	✓

2.2. SW2

Span		Segment				Initial edge element		Final edge element	
Reference	Normal loading (D/C)	Reference	Shear (D/C)	Layouts	Seismic layouts		Seismic layouts		Seismic layouts
Floor 15	0.03	S1	0.03	✓	✓	✓	NR	✓	NR
		S2	0.01	✓	✓	✓	NR	✓	NR
		S3	0.03	✓	✓	✓	NR	✓	NR
Floor 14	0.06	S1	0.18	✓	✓	✓	NR	✓	NR
		S2	0.05	✓	✓	✓	NR	✓	NR
		S3	0.18	✓	✓	✓	NR	✓	NR
Floor 13	0.09	S1	0.18	✓	✓	✓	NR	✓	NR
		S2	0.08	✓	✓	✓	NR	✓	NR
		S3	0.18	✓	✓	✓	NR	✓	NR
Floor 12	0.13	S1	0.20	✓	✓	✓	NR	✓	NR
		S2	0.10	✓	✓	✓	NR	✓	NR
		S3	0.20	✓	✓	✓	NR	✓	NR
Floor 11	0.17	S1	0.21	✓	✓	✓	NR	✓	NR
		S2	0.12	✓	✓	✓	NR	✓	NR
		S3	0.21	✓	✓	✓	NR	✓	NR
Floor 10	0.20	S1	0.21	✓	✓	✓	NR	✓	NR
		S2	0.13	✓	✓	✓	NR	✓	NR
		S3	0.21	✓	✓	✓	NR	✓	NR
Floor 9	0.24	S1	0.21	✓	✓	✓	NR	✓	NR
		S2	0.14	✓	✓	✓	NR	✓	NR
		S3	0.21	✓	✓	✓	NR	✓	NR
Floor 8	0.29	S1	0.21	✓	✓	✓	NR	✓	NR
		S2	0.16	✓	✓	✓	NR	✓	NR
		S3	0.22	✓	✓	✓	NR	✓	NR
Floor 7	0.32	S1	0.25	✓	✓	✓	NR	✓	NR
		S2	0.17	✓	✓	✓	NR	✓	NR
		S3	0.25	✓	✓	✓	✓	✓	NR
Floor 6	0.36	S1	0.34	✓	✓	✓	✓	✓	NR
		S2	0.19	✓	✓	✓	NR	✓	NR
		S3	0.35	✓	✓	✓	✓	✓	NR



Checks

Example_01

Date: 05/14/26

Span		Segment				Initial edge element		Final edge element	
Reference	Normal loading (D/C)	Reference	Shear (D/C)	Layouts	Seismic layouts		Seismic layouts		Seismic layouts
Floor 5	0.40	S1	0.35	✓	✓	✓	✓	✓	NR
		S2	0.20	✓	✓	✓	NR	✓	NR
		S3	0.35	✓	✓	✓	✓	✓	NR
Floor 4	0.44	S1	0.36	✓	✓	✓	✓	✓	NR
		S2	0.21	✓	✓	✓	NR	✓	NR
		S3	0.37	✓	✓	✓	✓	✓	NR
Floor 3	0.47	S1	0.38	✓	✓	✓	✓	✓	✓
		S2	0.23	✓	✓	✓	✓	✓	✓
		S3	0.38	✓	✓	✓	✓	✓	✓
Floor 2	0.50	S1	0.39	✓	✓	✓	✓	✓	✓
		S2	0.23	✓	✓	✓	✓	✓	✓
		S3	0.39	✓	✓	✓	✓	✓	✓
Floor 1	0.54	S1	0.35	✓	✓	✓	✓	✓	✓
		S2	0.22	✓	✓	✓	✓	✓	✓
		S3	0.34	✓	✓	✓	✓	✓	✓

2.3. SW3

Span		Segment				Initial edge element		Final edge element	
Reference	Normal loading (D/C)	Reference	Shear (D/C)	Layouts	Seismic layouts		Seismic layouts		Seismic layouts
Floor 15	0.21	S1	0.01	✓	✓	✓	NR	✓	NR
Floor 14	0.18	S1	0.05	✓	✓	✓	NR	✓	NR
Floor 13	0.09	S1	0.08	✓	✓	✓	NR	✓	NR
Floor 12	0.13	S1	0.11	✓	✓	✓	NR	✓	NR
Floor 11	0.17	S1	0.14	✓	✓	✓	NR	✓	NR
Floor 10	0.21	S1	0.15	✓	✓	✓	NR	✓	NR
Floor 9	0.25	S1	0.17	✓	✓	✓	NR	✓	NR
Floor 8	0.29	S1	0.18	✓	✓	✓	NR	✓	NR
Floor 7	0.33	S1	0.19	✓	✓	✓	NR	✓	NR
Floor 6	0.38	S1	0.21	✓	✓	✓	NR	✓	NR
Floor 5	0.40	S1	0.22	✓	✓	✓	✓	✓	✓
Floor 4	0.44	S1	0.22	✓	✓	✓	✓	✓	✓
Floor 3	0.49	S1	0.23	✓	✓	✓	✓	✓	✓
Floor 2	0.53	S1	0.23	✓	✓	✓	✓	✓	✓
Floor 1	0.55	S1	0.21	✓	✓	✓	✓	✓	✓

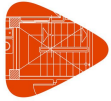


2.4. SW4

Span		Segment				Initial edge element		Final edge element	
Reference	Normal loading (D/C)	Reference	Shear (D/C)	Layouts	Seismic layouts		Seismic layouts		Seismic layouts
Floor 15	0.21	S1	0.01	✓	✓	✓	NR	✓	NR
Floor 14	0.18	S1	0.05	✓	✓	✓	NR	✓	NR
Floor 13	0.09	S1	0.08	✓	✓	✓	NR	✓	NR
Floor 12	0.13	S1	0.11	✓	✓	✓	NR	✓	NR
Floor 11	0.17	S1	0.14	✓	✓	✓	NR	✓	NR
Floor 10	0.21	S1	0.15	✓	✓	✓	NR	✓	NR
Floor 9	0.25	S1	0.17	✓	✓	✓	NR	✓	NR
Floor 8	0.29	S1	0.18	✓	✓	✓	NR	✓	NR
Floor 7	0.33	S1	0.19	✓	✓	✓	NR	✓	NR
Floor 6	0.38	S1	0.21	✓	✓	✓	NR	✓	NR
Floor 5	0.40	S1	0.22	✓	✓	✓	✓	✓	✓
Floor 4	0.44	S1	0.22	✓	✓	✓	✓	✓	✓
Floor 3	0.49	S1	0.23	✓	✓	✓	✓	✓	✓
Floor 2	0.53	S1	0.23	✓	✓	✓	✓	✓	✓
Floor 1	0.55	S1	0.21	✓	✓	✓	✓	✓	✓

2.5. SW5

Span		Segment				Initial edge element		Final edge element	
Reference	Normal loading (D/C)	Reference	Shear (D/C)	Layouts	Seismic layouts		Seismic layouts		Seismic layouts
Floor 14	0.07	S1	0.14	✓	✓	✓	NR	✓	NR
Floor 13	0.10	S1	0.10	✓	✓	✓	NR	✓	NR
Floor 12	0.15	S1	0.10	✓	✓	✓	NR	✓	NR
Floor 11	0.21	S1	0.09	✓	✓	✓	NR	✓	NR
Floor 10	0.26	S1	0.09	✓	✓	✓	NR	✓	NR
Floor 9	0.31	S1	0.08	✓	✓	✓	NR	✓	NR
Floor 8	0.36	S1	0.08	✓	✓	✓	NR	✓	NR
Floor 7	0.40	S1	0.08	✓	✓	✓	NR	✓	✓
Floor 6	0.44	S1	0.07	✓	✓	✓	✓	✓	✓
Floor 5	0.48	S1	0.07	✓	✓	✓	✓	✓	✓
Floor 4	0.52	S1	0.07	✓	✓	✓	✓	✓	✓
Floor 3	0.57	S1	0.07	✓	✓	✓	✓	✓	✓
Floor 2	0.61	S1	0.08	✓	✓	✓	✓	✓	✓
Floor 1	0.65	S1	0.12	✓	✓	✓	✓	✓	✓



2.6. SW6

Span		Segment				Initial edge element		Final edge element	
Reference	Normal loading (D/C)	Reference	Shear (D/C)	Layouts	Seismic layouts		Seismic layouts		Seismic layouts
Floor 14	0.07	S1	0.14	✓	✓	✓	NR	✓	NR
Floor 13	0.10	S1	0.10	✓	✓	✓	NR	✓	NR
Floor 12	0.15	S1	0.10	✓	✓	✓	NR	✓	NR
Floor 11	0.21	S1	0.09	✓	✓	✓	NR	✓	NR
Floor 10	0.26	S1	0.09	✓	✓	✓	NR	✓	NR
Floor 9	0.31	S1	0.08	✓	✓	✓	NR	✓	NR
Floor 8	0.36	S1	0.08	✓	✓	✓	NR	✓	NR
Floor 7	0.40	S1	0.08	✓	✓	✓	✓	✓	NR
Floor 6	0.44	S1	0.07	✓	✓	✓	✓	✓	✓
Floor 5	0.48	S1	0.07	✓	✓	✓	✓	✓	✓
Floor 4	0.52	S1	0.07	✓	✓	✓	✓	✓	✓
Floor 3	0.57	S1	0.07	✓	✓	✓	✓	✓	✓
Floor 2	0.61	S1	0.08	✓	✓	✓	✓	✓	✓
Floor 1	0.65	S1	0.12	✓	✓	✓	✓	✓	✓

3. COUPLING BEAMS

3.1. Floor 1

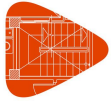
Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.93	✓	✓	✓	✓
SW2 - SW4	✓	0.93	✓	✓	✓	✓
SW3 - SW2	✓	0.93	✓	✓	✓	✓
SW4 - SW1	✓	0.93	✓	✓	✓	✓

3.2. Floor 2

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.73	✓	✓	✓	✓
SW2 - SW4	✓	0.72	✓	✓	✓	✓
SW3 - SW2	✓	0.72	✓	✓	✓	✓
SW4 - SW1	✓	0.73	✓	✓	✓	✓

3.3. Floor 3

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.75	✓	✓	✓	✓
SW2 - SW4	✓	0.75	✓	✓	✓	✓
SW3 - SW2	✓	0.75	✓	✓	✓	✓
SW4 - SW1	✓	0.75	✓	✓	✓	✓



3.4. Floor 4

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.75	✓	✓	✓	✓
SW2 - SW4	✓	0.75	✓	✓	✓	✓
SW3 - SW2	✓	0.75	✓	✓	✓	✓
SW4 - SW1	✓	0.75	✓	✓	✓	✓

3.5. Floor 5

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.75	✓	✓	✓	✓
SW2 - SW4	✓	0.75	✓	✓	✓	✓
SW3 - SW2	✓	0.75	✓	✓	✓	✓
SW4 - SW1	✓	0.75	✓	✓	✓	✓

3.6. Floor 6

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.77	✓	✓	✓	✓
SW2 - SW4	✓	0.77	✓	✓	✓	✓
SW3 - SW2	✓	0.77	✓	✓	✓	✓
SW4 - SW1	✓	0.77	✓	✓	✓	✓

3.7. Floor 7

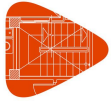
Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.71	✓	✓	✓	✓
SW2 - SW4	✓	0.71	✓	✓	✓	✓
SW3 - SW2	✓	0.71	✓	✓	✓	✓
SW4 - SW1	✓	0.71	✓	✓	✓	✓

3.8. Floor 8

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.70	✓	✓	✓	✓
SW2 - SW4	✓	0.69	✓	✓	✓	✓
SW3 - SW2	✓	0.69	✓	✓	✓	✓
SW4 - SW1	✓	0.70	✓	✓	✓	✓

3.9. Floor 9

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.65	✓	✓	✓	✓
SW2 - SW4	✓	0.65	✓	✓	✓	✓
SW3 - SW2	✓	0.65	✓	✓	✓	✓
SW4 - SW1	✓	0.65	✓	✓	✓	✓



3.10. Floor 10

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.92	✓	✓	✓	✓
SW2 - SW4	✓	0.92	✓	✓	✓	✓
SW3 - SW2	✓	0.92	✓	✓	✓	✓
SW4 - SW1	✓	0.92	✓	✓	✓	✓

3.11. Floor 11

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.82	✓	✓	✓	✓
SW2 - SW4	✓	0.82	✓	✓	✓	✓
SW3 - SW2	✓	0.82	✓	✓	✓	✓
SW4 - SW1	✓	0.82	✓	✓	✓	✓

3.12. Floor 12

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.85	✓	✓	✓	✓
SW2 - SW4	✓	0.84	✓	✓	✓	✓
SW3 - SW2	✓	0.84	✓	✓	✓	✓
SW4 - SW1	✓	0.85	✓	✓	✓	✓

3.13. Floor 13

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.69	✓	✓	✓	✓
SW2 - SW4	✓	0.69	✓	✓	✓	✓
SW3 - SW2	✓	0.69	✓	✓	✓	✓
SW4 - SW1	✓	0.69	✓	✓	✓	✓

3.14. Floor 14

Reference	L/h	Shear (D/C)	Perimeter reinforcement		Diagonals	
			Layouts	Seismic layouts	Layouts	Seismic layouts
SW1 - SW3	✓	0.78	✓	✓	✓	✓
SW2 - SW4	✓	0.78	✓	✓	✓	✓
SW3 - SW2	✓	0.78	✓	✓	✓	✓
SW4 - SW1	✓	0.78	✓	✓	✓	✓