

STATIC ANALYSIS RESULTS

FRAME ANALYSIS RESULTS - DESIGN CYCLE 1

FRAME X- 1 LOADING CASE - LATERAL EQ-X IN X DIRECTION

LEVEL 4

MASS= 93.8 TONNES

BEAM/SLAB	MOMENTS		FORCES	
	LEFT	RIGHT	SHEAR	AXIAL
101	13.62	-8.58	2.47	0.31
102	8.02	-12.90	2.32	-0.31

COLUMN	MOMENTS		FORCES		VERTICAL DISPL	HORIZONTAL JOINT LOADS	JOINT ROTATIONS
	TOP	BOT	SHEAR	AXIAL			
2	13.62	-13.93	6.12	-2.66	0.0	6.43	0.01
3	16.47	-15.22	7.04	0.19	0.0	6.43	0.00
4	13.67	-13.88	6.12	4.02	0.1	6.43	0.01

TOTAL SHEAR = 19.29

LEVEL 3

MASS= 168.5 TONNES

BEAM/SLAB	MOMENTS		FORCES	
	LEFT	RIGHT	SHEAR	AXIAL
101	15.62	-15.47	3.45	-2.29
102	15.77	-16.08	3.54	0.47
103	15.96	-15.83	3.53	4.41
104	13.63	-9.87	2.61	7.36
105	9.87	-17.09	7.09	3.11

COLUMN	MOMENTS		FORCES		VERTICAL DISPL	HORIZONTAL JOINT LOADS	JOINT ROTATIONS
	TOP	BOT	SHEAR	AXIAL			
1	15.71	-14.54	6.72	-2.82	0.0	4.43	0.01
2	17.37	-17.71	7.80	-3.04	0.0	4.43	0.01
3	16.88	-17.01	7.53	0.27	0.0	4.43	0.01
4	17.04	-17.22	7.61	7.93	0.0	4.43	0.01
5	19.74	-19.33	8.68	-4.07	-0.1	4.43	0.00
6	17.15	-16.77	7.54	6.82	0.1	4.43	0.01

TOTAL SHEAR = 45.88