

HOSPITAL AND MEDICAL COLLEGE AT DELHI
REINFORCEMENT DETAIL OF COLUMNS FROM FOUNDATION UPTO TERRACE LEVEL

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)											
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II		PROPOSAL-III		PROPOSAL-IV	
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.
1	A1	400	600	16	16	0.785	3215.4	1.34	93	5376.00	2.35	8832.0	4.02	11776	1.84	9024.00	4.02	5376.00	2.35	5376.00	2.35
2	A2	400	600	16	16	0.785	3215.4	1.34	94	6051.75	2.62	4032.0	2.01	5737	0.98	9984.00	4.19	4528.51	2.01	4569.19	2.35
3	B1	400	600	16	16	0.785	3215.4	1.34	103	5727.03	2.45	3162.3	1.32	12833	1.43	6336.00	2.68	18333.45	9.42	25958.90	2.35
4	D10	400	600	16	16	0.785	3215.4	1.34	132	12480.00	5.36	14797.3	6.28	7321	1.18	11136.00	5.36	14784.00	6.28	15360.00	2.35
5	D1	400	600	16	16	0.785	3215.4	1.34	123	8448.00	4.02	5376.0	2.35	7557	1.53	10176.00	5.36	10752.00	5.36	11470.46	2.35
6	B8	600	400	16	16	0.785	3215.4	1.34	110	7344.58	3.14	5376.0	2.35	1784	0.75	2780.11	1.32	7488.06	3.14	7394.24	2.35
7	B10	600	400	16	16	0.785	3215.4	1.34	112	9307.30	4.02	8021.3	4.02	8487.7	1.53	12694.75	5.36	23413.59	9.76	24474.92	2.35
8	B5	600	400	16	16	0.785	3215.4	1.34	107	6797.34	3.14	7296.0	3.14	3648.0	1.57	3648.00	1.57	6837.84	3.14	6931.68	2.35
9	D3	400	600	8	20	0.785	4119.7	1.72	125	11262.68	5.36	3840.0	1.64	2275.5	0.42	1677.58	0.75	8625.94	4.02	7104.00	2.35
10	B2	400	600	8	20	0.785	4119.7	1.72	104	5943.15	2.62	5629.6	2.35	1539.7	0.67	1266.26	0.57	5957.81	2.62	5770.42	2.35
11	A10	400	600	8	20	0.785	4119.7	1.72	102	8369.08	4.02	4608.0	2.01	6716.1	1.18	12323.43	5.36	10002.31	4.19	9542.17	2.35
12	A8	400	600	8	20	0.785	4119.7	1.72	100	9600.00	4.02	6286.8	2.68	3804.9	0.75	4224.00	2.01	6720.00	3.14	5779.26	2.35
13	A7	400	600	8	20	0.785	4119.7	1.72	99	9024.00	4.02	6996.6	3.14	3552.0	0.57	6121.15	2.62	8123.83	4.02	8115.48	2.35
14	A6	400	600	8	20	0.785	4119.7	1.72	98	8448.00	4.02	5866.8	2.45	3434.5	0.57	5679.47	2.45	7809.75	3.27	7973.89	2.35
15	A5	400	600	8	20	0.785	4119.7	1.72	97	8064.00	4.02	3456.0	1.51	2801.4	0.49	3648.00	1.57	5624.09	2.35	5210.78	2.35
16	A4	400	600	8	20	0.785	4119.7	1.72	96	9216.00	4.02	4416.0	2.01	3135.3	0.49	4032.00	2.01	6912.00	3.14	6250.77	2.35
17	A3	400	600	8	20	0.785	4119.7	1.72	95	7872.00	4.02	3840.0	1.64	2951.0	0.49	2112.00	0.94	5760.00	2.45	5806.54	2.35
18	A9	400	600	16	20	0.785	5024	2.09	101	10881.10	5.36	7618.8	3.27	4521.0	0.75	11491.24	5.36	8832.00	4.02	7680.00	2.35
19	C1	400	600	16	20	0.785	5024	2.09	113	10272.40	5.36	6702.3	3.14	14239.8	1.64	9024.00	4.02	17063.31	9.42	23958.61	2.35
20	D2	400	600	16	20	0.785	5024	2.09	124	11121.83	5.36	10611.7	5.36	6542.3	1.18	11254.49	5.36	8908.01	4.02	7680.00	2.35
21	D4	400	600	16	20	0.785	5024	2.09	126	13172.44	6.28	7222.5	3.14	3003.9	0.49	5665.49	2.45	10093.50	5.36	8511.76	2.35
22	D8	400	600	16	20	0.785	5024	2.09	130	13870.78	6.28	9991.1	4.19	4039.2	0.75	6132.28	2.62	10179.83	5.36	8558.86	2.35
23	B6	600	400	16	20	0.785	5024	2.09	108	7894.86	4.02	5760.0	2.45	2304.0	1.01	4224.00	2.01	8067.74	4.02	8059.57	2.35
24	C8	400	600	16	22	0.785	6079	2.53	120	17040.00	0.00	10625.9	4.29	2997.9	1.06	4545.83	1.61	12240.00	4.29	10560.00	2.35
25	D7	400	600	16	22	0.785	6079	2.53	129	12067.29	5.36	5568.0	2.35	2242.6	0.42	3840.00	1.64	8872.81	4.02	7517.40	2.35

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)															
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II						PROPOSAL-III		PROPOSAL-IV	
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.					AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.
26	C3	400	600	16	22	0.785	6079	2.53	115	8527.19	4.02	7259.4	3.14	1713.0	0.75	1636.37	0.75	8263.69	4.02	8312.62	2.35				
27	B4	600	400	16	22	0.785	6079	2.53	106	7361.09	3.14	6912.0	3.14	2946.5	1.32	2680.62	1.13	7362.38	3.14	7482.03	2.35				
28	C2	400	600	10	28	0.785	7674	3.20	2247	8765.02	4.02	9024.0	4.02	2009.7	0.94	1551.18	0.67	8489.89	4.02	8185.91	2.35				
29	D5	400	600	10	28	0.785	7674	3.20	127	18017.64	9.42	11535.7	5.36	4083.8	0.75	10155.99	5.36	14358.77	6.28	13378.17	2.35				
30	D6	400	600	10	28	0.785	7674	3.20	128	17276.10	9.42	11636.4	5.36	4340.1	0.75	9809.15	4.09	13886.77	6.28	13422.15	2.35				
31	B7	600	400	10	28	0.785	7674	3.20	109	8015.01	4.02	6898.97	3.14	3648.0	1.57	5275.96	2.35	8172.80	4.02	8156.74	2.35				
32	B9	600	400	10	28	0.785	7674	3.20	111	7837.52	3.27	6528.0	3.14	2803.1	1.32	1782.17	0.75	7870.64	4.02	7576.61	2.35				
33	C4	400	750	12	20	0.785	6230	2.08	1447	12537.47	4.29	9420.6	3.22	3267.0	1.21	3043.8	1.06	10025.94	4.29	10015.86	2.35				
34	C5	400	750	12	20	0.785	6230	2.08	2130	15924.54	0.00	11040.0	4.29	4735.6	1.61	5520.0	1.88	12000.00	4.29	11760.00	2.35				
35	D9	400	750	12	20	0.785	6230	2.08	131	12038.18	5.36	5376.0	2.35	3195.0	0.57	12278.3	5.36	9600.00	4.02	8448.00	2.35				
36	C6	400	750	16	28	0.785	9847	3.28	118	16840.76	0.00	15636.5	0	8516.4	3.22	8530.9	3.22	14553.36	5.03	14489.99	2.35				
37	C10	400	750	16	28	0.785	9847	3.28	122	12672.00	5.36	6720.0	3.14	10842	1.18	10176.0	5.36	24668.8	8.22	24554.64	2.35				
38	B3	600	400	8	20	0.785	4119.7	1.72	105	7483.95	3.14	6720.0	3.14	2593.1	1.13	2880.0	1.32	7448.38	3.14	7393.54	2.35				
REINFORCEMENT DETAIL OF COLUMNS FROM GROUND LEVEL																									
1	A1	400	600	16	16	0.785	3215.4	1.34	242	4032.00	2.01	8256.00	4.02	10240.0	1.62	5952.00	2.62	4032.00	2.01	4032.00	2.35				
2	A2	400	600	16	16	0.785	3215.4	1.34	243	5049.47	2.35	9984.00	4.19	4041.99	0.75	7872.00	4.02	5103.25	2.35	5121.56	2.35				
3	B1	400	600	16	16	0.785	3215.4	1.34	252	4800.00	2.01	1305.16	0.57	6934.17	0.75	4608.00	2.01	8558.93	4.02	9984.00	2.35				
4	D10	400	600	16	16	0.785	3215.4	1.34	281	10944.00	5.36	5376.00	2.35	4876.82	0.88	6720.00	3.14	5325.79	2.35	5204.17	2.35				
5	D1	400	600	16	16	0.785	3215.4	1.34	272	7602.96	3.27	2928.27	1.32	4001.8	0.75	6912.00	3.14	4266.74	2.01	4187.45	2.35				
6	B8	600	400	16	16	0.785	3215.4	1.34	8850	6827.44	3.14	1877.54	0.94	1583.3	0.67	1805.07	0.75	6813.70	3.14	6727.20	2.35				
7	B10	600	400	16	16	0.785	3215.4	1.34	1956	6912.00	3.14	2880.00	1.32	3481.4	0.57	9024.00	4.02	12617.39	5.36	12460.09	2.35				
8	B5	600	400	16	16	0.785	3215.4	1.34	8818	6146.73	2.62	2756.72	1.32	1640.2	0.75	1920.00	0.94	6189.60	2.62	6184.05	2.35				
9	D3	400	600	8	20	0.785	4119.7	1.72	274	9660.91	4.09	4710.11	2.01	2124.0	0.42	1557.21	0.67	7296.00	3.14	6335.26	2.35				
10	B2	400	600	8	20	0.785	4119.7	1.72	253	7308.42	3.14	3172.16	1.34	1365.6	0.67	1061.07	0.57	7271.32	3.14	7092.49	2.35				
11	A10	400	600	8	20	0.785	4119.7	1.72	251	4737.94	2.01	3557.56	1.51	13312.0	0	8064.00	4.02	4922.43	2.09	4810.60	2.35				
12	A8	400	600	8	20	0.785	4119.7	1.72	249	5915.28	2.62	3975.97	1.68	3049.4	0.49	3072.00	1.32	6041.11	2.62	6020.42	2.35				
13	A7	400	600	8	20	0.785	4119.7	1.72	248	7916.18	4.02	4840.77	2.09	3346.4	0.57	3728.41	1.57	8047.49	4.02	8036.26	2.35				

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)																													
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II						PROPOSAL-III		PROPOSAL-IV															
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.					AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.														
14	A6	400	600	8	20	0.785	4119.7	1.72	247	7641.06	3.27	5191.33	2.35	3217.9	0.57	3648.00	1.57	7755.79	3.27	7746.72	2.35																		
15	A5	400	600	8	20	0.785	4119.7	1.72	246	5275.52	2.35	3619.58	1.57	2644.3	0.42	2496.00	1.05	5378.46	2.35	5500.82	2.35																		
16	A4	400	600	8	20	0.785	4119.7	1.72	245	6336.79	2.68	4133.90	2.01	2916.2	0.49	3264.00	1.51	6493.17	3.14	6494.95	2.35																		
17	A3	400	600	8	20	0.785	4119.7	1.72	244	6039.47	2.62	4170.15	2.01	2792.5	0.49	1834.31	0.94	5979.73	2.62	6090.87	2.35																		
18	A9	400	600	16	20	0.785	5024	2.09	250	7104.00	3.14	4985.71	2.09	3333.8	0.57	9600.00	4.02	6157.53	2.62	6275.69	2.35																		
19	C1	400	600	16	20	0.785	5024	2.09	262	11017.34	5.36	3181.88	1.34	7762.5	0.84	7488.00	3.14	9984.00	4.19	7868.55	2.35																		
20	D2	400	600	16	20	0.785	5024	2.09	273	9792.00	4.09	4762.26	2.01	2958.1	0.49	9024.00	4.02	7680.00	3.27	6707.41	2.35																		
21	D4	400	600	16	20	0.785	5024	2.09	275	11890.11	5.36	6311.74	2.68	2732.7	0.49	3264.00	1.51	9000.12	4.02	7616.16	2.35																		
22	D8	400	600	16	20	0.785	5024	2.09	279	12219.76	5.36	5583.51	2.35	2913.0	0.49	3264.00	1.51	8832.00	4.02	7488.00	2.35																		
23	B6	600	400	16	20	0.785	5024	2.09	257	6832.17	3.14	2264.55	1.01	1669.39	0.75	2042.30	0.94	6826.64	3.14	6819.38	2.35																		
24	C3	400	600	16	22	0.785	6079	2.53	264	12223.67	5.36	4131.98	2.01	1386.11	0.67	1509.89	0.67	12134.46	5.36	11986.62	2.35																		
25	D7	400	600	16	22	0.785	6079	2.53	278	9829.96	4.19	5754.77	2.45	2097.00	0.42	1880.86	0.94	7363.87	3.14	7210.66	2.35																		
26	D9	400	600	16	22	0.785	6079	2.53	280	9600.00	4.02	4914.56	2.09	1970.05	0.42	9216.00	4.02	6818.72	3.14	6738.61	2.35																		
27	B4	600	400	16	22	0.785	6079	2.53	255	6798.22	3.14	3264.00	1.51	1625.29	0.75	1777.98	0.75	6800.03	3.14	6802.50	2.35																		
28	C2	400	600	10	28	0.785	7674	3.20	1634	12892.80	6.28	6336.00	2.68	3597.25	1.51	1410.21	0.67	12573.18	5.36	12161.58	2.35																		
29	D5	400	600	10	28	0.785	7674	3.20	276	17265.59	9.42	9531.06	4.02	3719.21	0.75	7827.18	3.27	14990.21	6.28	15015.40	2.35																		
30	D6	400	600	10	28	0.785	7674	3.20	277	16264.91	9.42	10930.8	5.36	3614.86	0.57	7093.59	3.14	15192.09	6.54	15143.84	2.35																		
31	B7	600	400	10	28	0.785	7674	3.20	8836	7414.14	3.14	2491.28	1.05	1920.00	0.94	2496.00	1.05	7397.75	3.14	7382.44	2.35																		
32	B9	600	400	10	28	0.785	7674	3.20	260	7069.43	3.14	3264.00	1.51	1899.00	0.94	1588.60	0.67	7094.27	3.14	6795.55	2.35																		
33	C4	400	750	12	20	0.785	6230	2.08	1456	14341.92	5.03	4552.62	1.61	1882.06	0.75	2185.68	0.75	14306.21	5.03	14102.86	2.35																		
34	C5	400	750	12	20	0.785	6230	2.08	2131	15600.00	0.00	7200.00	2.51	3907.67	1.34	4080.00	1.61	15600.00	0	15600.00	2.35																		
35	C10	400	750	12	20	0.785	6230	2.08	271	12672.00	5.36	7043.20	3.14	4721.60	0.5	11136.0	5.36	12502.37	5.36	11293.42	2.35																		
36	C6	400	750	16	28	0.785	9847	3.28	8634	17199.70	0.00	9719.35	3.27	5760.00	1.96	6401.34	2.51	17154.28	5.72	17064.47	2.35																		
37	C8	400	750	16	28	0.785	9847	3.28	269	14400.00	5.03	5280.00	1.88	2274.15	0.8	2880.00	1.06	12779.02	4.29	12585.85	2.35																		
38	B3	600	400	8	20	0.785	4114	1.71	254	6634.42	3.14	2175.80	0.94	1432.90	0.67	1729.48	0.75	6747.05	3.14	6697.74	2.35																		
REINFORCEMENT DETAIL OF COLUMNS FROM FIRST FLOOR LEVEL																																							2.35
																							2.35																

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)															
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II						PROPOSAL-III		PROPOSAL-IV	
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.					AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.
1	A1	400	600	16	16	0.785	3215.4	1.34	391	2880.00	1.32	6144.00	2.62	8960.00	1.75	4032.00	2.01	2880.00	1.32	2880.00	2.35				
2	A2	400	600	16	16	0.785	3215.4	1.34	392	4981.52	2.09	1589.77	0.67	2426.93	0.48	5184.00	2.35	5121.31	2.35	5124.31	2.35				
3	B1	400	600	16	16	0.785	3215.4	1.34	401	3648.00	1.57	1561.66	0.67	1976.51	0.27	4992.00	2.09	6336.00	2.68	7296.00	2.35				
4	D10	400	600	16	16	0.785	3215.4	1.34	430	8452.37	4.02	1993.00	0.94	2071.56	0.4	5568.00	2.35	6883.64	3.14	6251.17	2.35				
5	D1	400	600	16	16	0.785	3215.4	1.34	421	5739.34	2.45	1503.15	0.67	1679.24	0.4	4416.00	2.01	5070.83	2.35	4718.70	2.35				
6	B8	600	400	16	16	0.785	3215.4	1.34	8848	6012.16	2.62	1848.65	0.94	1303.49	0.57	1553.79	0.67	5628.32	2.35	5552.24	2.35				
7	B10	600	400	16	16	0.785	3215.4	1.34	410	4330.15	2.01	1675.05	0.75	2310.45	0.48	6528.00	3.14	8235.13	4.02	7680.00	2.35				
8	B5	600	400	16	16	0.785	3215.4	1.34	8815	5402.68	2.35	1916.17	0.94	1318.77	0.57	1624.01	0.75	5150.35	2.35	5136.50	2.35				
9	D3	400	600	8	20	0.785	4119.7	1.72	423	8064.00	4.02	1634.70	0.75	1868.84	0.4	1372.74	0.67	6033.90	2.62	6031.69	2.35				
10	B2	400	600	8	20	0.785	4119.7	1.72	402	7548.86	3.27	2886.50	1.32	2556.79	1.13	859.52	0.38	7536.65	3.14	7378.24	2.35				
11	A10	400	600	8	20	0.785	4119.7	1.72	400	2993.60	1.32	1817.63	0.94	2710.40	0.48	4992.00	2.09	3150.50	1.32	2924.26	2.35				
12	A8	400	600	8	20	0.785	4119.7	1.72	398	5895.73	2.62	1920.00	0.94	2651.84	0.48	1832.66	0.94	6134.52	2.62	6113.46	2.35				
13	A7	400	600	8	20	0.785	4119.7	1.72	397	2153.09	0.94	2304.00	1.01	2900.14	0.57	2112.00	0.94	2283.02	1.01	2279.62	2.35				
14	A6	400	600	8	20	0.785	4119.7	1.72	396	1881.11	0.94	1920.00	0.94	2812.24	0.57	2112.00	0.94	1999.41	0.94	1996.58	2.35				
15	A5	400	600	8	20	0.785	4119.7	1.72	395	5362.52	2.35	1629.53	0.75	2303.19	0.48	1752.65	0.75	5558.77	2.35	5545.95	2.35				
16	A4	400	600	8	20	0.785	4119.7	1.72	394	5459.11	2.35	1738.48	0.75	2516.52	0.48	1821.07	0.94	5591.75	2.35	5592.25	2.35				
17	A3	400	600	8	20	0.785	4119.7	1.72	393	5246.10	2.35	1661.15	0.75	2403.59	0.48	1563.42	0.67	5409.09	2.35	5384.81	2.35				
18	A9	400	600	16	20	0.785	5024	2.09	399	5240.22	2.35	2688.00	1.13	2809.65	0.57	6912.00	3.14	5359.71	2.35	5346.38	2.35				
19	C1	400	600	16	20	0.785	5024	2.09	411	9408.00	4.02	4331.35	2.01	4062.73	0.48	6912.00	3.14	8637.77	4.02	7296.00	2.35				
20	D2	400	600	16	20	0.785	5024	2.09	422	8256.00	4.02	3072.00	1.32	2453.54	0.48	6912.00	3.14	6778.90	3.14	6732.37	2.35				
21	D4	400	600	16	20	0.785	5024	2.09	424	9984.00	4.19	2496.00	1.05	2334.34	0.48	3431.88	1.51	7296.00	3.14	7020.66	2.35				
22	D8	400	600	16	20	0.785	5024	2.09	428	9984.00	4.19	3456.00	1.51	2475.35	0.48	3578.11	1.51	6720.00	3.14	6377.79	2.35				
23	B6	600	400	16	20	0.785	5024	2.09	1513	5372.39	2.35	2297.29	1.01	1507.65	0.67	1630.62	0.75	5188.15	2.35	5186.80	2.35				
24	D9	400	600	16	22	0.785	6079	2.53	429	7644.31	3.27	1688.06	0.75	1706.81	0.4	6912.00	3.14	6506.27	3.14	6419.20	2.35				
25	D7	400	600	16	22	0.785	6079	2.53	427	7872.00	4.02	2170.42	0.94	1829.21	0.4	2330.64	1.01	7111.49	3.14	7120.13	2.35				
26	C3	400	600	16	22	0.785	6079	2.53	413	12553.25	5.36	4978.23	2.09	3091.29	1.32	1303.85	0.57	12392.14	5.36	12300.93	2.35				
27	B4	600	400	16	22	0.785	6079	2.53	404	5872.71	2.45	2575.00	1.13	1768.10	0.75	1537.23	0.67	5447.42	2.35	5449.46	2.35				

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)																												
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II						PROPOSAL-III		PROPOSAL-IV														
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.					AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.													
28	C2	400	600	10	28	0.785	7674	3.20	1630	13209.64	6.28	6740.43	3.14	5657.56	2.45	1593.04	0.67	12947.49	6.28	12887.07	2.35																	
29	D5	400	600	10	28	0.785	7674	3.20	425	15199.30	6.54	6912.00	3.14	3175.09	0.65	7623.33	3.27	13739.76	6.28	13601.67	2.35																	
30	D6	400	600	10	28	0.785	7674	3.20	426	14395.71	6.28	7104.00	3.14	3092.01	0.57	7475.83	3.14	13951.97	6.28	13893.87	2.35																	
31	B7	600	400	10	28	0.785	7674	3.20	1970	6826.94	3.14	1833.88	0.94	1539.54	0.67	1724.77	0.75	6029.69	2.62	5873.60	2.35																	
32	B9	600	400	10	28	0.785	7674	3.20	409	6522.55	3.14	2302.86	1.01	1788.41	0.75	1274.04	0.57	5502.75	2.35	5246.81	2.35																	
33	C4	400	750	12	20	0.785	6230	2.08	1745	14751.04	5.03	6138.19	2.09	3908.75	1.34	1915.36	0.75	14621.47	5.03	14442.07	2.35																	
34	C5	400	750	12	20	0.785	6230	2.08	2141	15102.98	0.00	8167.92	3.22	5582.34	1.88	3996.55	1.34	15099.27	5.03	15094.85	2.35																	
35	C10	400	750	12	20	0.785	6230	2.08	420	12066.41	5.36	4416.00	2.01	2437.91	0.32	10752.0	5.36	10944.00	5.36	10368.00	2.35																	
36	C6	400	750	16	28	0.785	9847	3.28	416	16320.00	0.00	8880.00	3.22	5753.49	1.96	5040.00	1.88	16320.00	5.44	16080.00	2.35																	
37	C8	400	750	16	28	0.785	9847	3.28	418	12183.87	4.29	5708.25	1.96	3410.64	1.21	2231.43	0.75	12162.59	4.29	12116.97	2.35																	
38	B3	600	400	8	20	0.785	4114	1.71	403	5112.72	2.35	1683.29	0.75	1104.16	0.57	1401.32	0.67	5212.63	2.35	5172.40	2.35																	
REINFORCEMENT DETAIL OF COLUMNS FROM SECOND FLOOR LEVEL																																						
																				0		2.35																
																			0			2.35																
1	A1	400	600	16	16	0.785	3215.4	1.34	540	2688.00	1.13	5376.00	2.35	7168.00	1.35	2880.0	1.32	2688.00	1.13	2688.00	2.35																	
2	A2	400	600	16	16	0.785	3215.4	1.34	541	5563.37	2.35	1802.63	0.75	2436.56	0.48	4032.0	2.01	5618.05	2.35	5611.22	2.35																	
3	B1	400	600	16	16	0.785	3215.4	1.34	550	3726.81	1.57	1374.82	0.67	2007.70	0.27	4416.0	2.01	4036.18	2.01	4800.00	2.35																	
4	D1	400	600	16	16	0.785	3215.4	1.34	570	5834.75	2.45	1524.55	0.67	1704.48	0.4	997.2	0.57	5332.55	2.35	5000.93	2.35																	
5	D10	400	600	16	16	0.785	3215.4	1.34	579	8239.01	4.02	2559.14	1.13	2100.58	0.4	4992.0	2.09	7047.94	3.14	6425.90	2.35																	
6	B5	600	400	16	16	0.785	3215.4	1.34	554	5618.74	2.35	1904.55	0.94	1307.27	0.57	1670.0	0.75	5614.27	2.35	5612.38	2.35																	
7	B8	600	400	16	16	0.785	3215.4	1.34	557	6004.80	2.62	2098.00	0.94	2198.99	0.94	1648.0	0.75	6134.88	2.62	6046.32	2.35																	
8	B10	600	400	16	16	0.785	3215.4	1.34	559	4719.79	2.01	1634.29	0.75	2264.70	0.48	1052.4	0.57	4608.00	2.01	5568.00	2.35																	
9	A3	400	600	4	20	0.785	3668	1.53	542	5896.47	2.62	1686.33	0.75	2482.15	0.48	2315.5	1.01	5964.41	2.62	5937.36	2.35																	
10	A4	400	600	4	20	0.785	3668	1.53	543	6028.13	2.62	1883.49	0.94	2611.03	0.48	2050.0	0.94	6162.45	2.62	6161.88	2.35																	
11	A5	400	600	4	20	0.785	3668	1.53	544	5653.69	2.45	1680.80	0.75	2408.78	0.48	1839.0	0.94	5733.19	2.45	5719.55	2.35																	
12	A6	400	600	4	20	0.785	3668	1.53	545	2595.37	1.13	1920.00	0.94	2936.20	0.57	2112.0	0.94	2721.73	1.32	2717.27	2.35																	
13	A7	400	600	4	20	0.785	3668	1.53	546	2630.75	1.13	2112.00	0.94	3002.88	0.57	2112.0	0.94	2772.22	1.32	2767.58	2.35																	
14	A8	400	600	4	20	0.785	3668	1.53	547	6096.62	2.62	1920.00	0.94	2756.30	0.57	2064.3	0.94	6207.91	2.62	6186.38	2.35																	

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)																													
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II		PROPOSAL-III						PROPOSAL-IV															
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.					AREA OF STEEL	% STEEL REQD.														
15	A10	400	600	4	20	0.785	3668	1.53	549	3494.76	1.51	1837.31	0.94	2421.89	0.48	901.9	0.38	3502.31	1.51	3402.24	2.35																		
16	B2	400	600	4	20	0.785	3668	1.53	551	7864.38	4.02	2840.37	1.32	2905.32	1.32	1091.4	0.57	7734.52	3.27	7873.32	2.35																		
17	D3	400	600	4	20	0.785	3668	1.53	572	7680.00	3.27	2030.46	0.94	2014.87	0.4	2034.3	0.94	6557.84	3.14	6557.87	2.35																		
18	A9	400	600	4	16	0.785	4572	1.91	548	5706.70	2.45	2496.00	1.05	2875.59	0.57	5376.0	2.35	5679.57	2.45	5783.41	2.35																		
19	C1	400	600	4	16	0.785	4572	1.91	560	9024.00	4.02	4363.41	2.01	2567.54	0.32	6336.0	2.68	8604.15	4.02	7615.57	2.35																		
20	D2	400	600	4	16	0.785	4572	1.91	571	8064.00	4.02	3040.63	1.32	2451.22	0.48	4608.0	2.01	7221.53	3.14	7161.42	2.35																		
21	D4	400	600	4	16	0.785	4572	1.91	1758	9408.00	4.02	3132.96	1.32	2416.83	0.48	2688.0	1.13	7835.44	3.27	7704.95	2.35																		
22	D8	400	600	4	16	0.785	4572	1.91	577	9600.00	4.02	3072.00	1.32	2541.81	0.48	2902.8	1.32	7104.00	3.14	6899.96	2.35																		
22	B6	600	400	4	16	0.785	4572	1.91	555	5896.27	2.62	2734.37	1.32	1985.35	0.94	1785.5	0.75	5876.73	2.45	5875.25	2.35																		
24	D7	400	600	4	16	0.785	4572	1.91	576	8133.68	4.02	3130.55	1.32	1950.65	0.4	2173.3	0.94	8013.71	4.02	7867.69	2.35																		
25	D9	400	600	4	16	0.785	4572	1.91	578	7296.00	3.14	2474.21	1.05	1802.19	0.4	4608.0	2.01	6976.15	3.14	6871.10	2.35																		
26	B4	600	400	4	16	0.785	4572	1.91	553	6134.31	2.62	2232.52	0.94	1768.54	0.75	1618.8	0.75	5956.62	2.62	5958.92	2.35																		
27	D5	400	600	6	28	0.785	6732	2.81	574	13933.13	6.28	6720.00	3.14	3379.66	0.65	5812.9	2.45	13248.00	6.28	13056.00	2.35																		
28	D6	400	600	6	28	0.785	6732	2.81	1804	13824.00	6.28	7104.00	3.14	3213.55	0.65	5841.8	2.45	13632.00	6.28	13526.86	2.35																		
29	B3	600	400	4	20	0.785	3668	1.53	552	5678.39	2.45	2051.97	0.94	1478.94	0.67	1493.0	0.67	5651.26	2.45	5604.28	2.35																		
30	C4	400	750	4	28	0.785	6230	2.08	1751	15402.90	0.00	6457.51	2.51	5085.86	1.88	3458.2	1.21	15191.48	5.06	15252.49	2.35																		
31	C5	400	750	4	28	0.785	6230	2.08	2141	15102.98	0.00	8167.92	3.22	5582.34	1.88	3996.6	1.34	15099.27	5.03	15094.85	2.35																		
32	C10	400	750	4	28	0.785	6230	2.08	569	11757.33	5.36	4416.00	2.01	2546.25	0.32	9984.0	4.19	9635.21	4.02	8640.00	2.35																		
33	C6	400	750	16	28	0.785	9847	3.28	565	16080.00	0.00	7920.00	3.22	5987.61	2.09	5760.0	1.96	15840.00	5.28	15840.00	2.35																		
34	C8	400	750	16	28	0.785	9847	3.28	567	12649.60	4.29	5856.13	1.96	4246.13	1.61	3353.6	1.21	12587.68	4.29	12593.26	2.35																		
35	C3	400	600	16	22	0.785	6079	2.53	562	12937.22	6.28	5103.22	2.35	3950.87	1.68	2460.2	1.05	12861.92	5.36	12841.39	2.35																		
36	B7	600	400	6	28	0.782	6732	2.81	556	6839.94	3.14	2186.80	0.94	1498.40	0.67	1802.1	0.75	6497.99	3.14	6483.57	2.35																		
37	B9	600	400	6	28	0.782	6732	2.81	558	6552.49	3.14	1915.80	0.94	1684.95	0.75	1288.5	0.57	5785.53	2.45	5615.99	2.35																		
38	C2	400	600	4	22	0.785	7674	3.20	1639	13318.76	6.28	6648.48	3.14	6587.77	3.14	2753.5	1.32	13254.75	6.28	13400.12	2.35																		
REINFORCEMENT DETAIL OF COLUMNS FROM THIRD FLOOR LEVEL																																							
																						0	2.35																
																						0	2.35																
1	A1	400	600	16	16	0.785	3215.4	1.34	689	2183.97	0.94	4224.00	2.01	5760.00	1.31	2496.00	1.05	2193.57	0.94	2171.97	2.35																		

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)											
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II		PROPOSAL-III		PROPOSAL-IV	
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.
2	A2	400	600	16	16	0.785	3215.4	1.34	8699	5284.33	2.35	1544.07	0.67	1861.67	0.47	1312.16	0.57	5332.89	2.35	5235.62	2.35
3	B1	400	600	16	16	0.785	3215.4	1.34	699	2896.90	1.32	1255.80	0.57	1606.39	0.25	3648.00	1.57	2861.03	1.32	2981.26	2.35
4	D1	400	600	16	16	0.785	3215.4	1.34	719	5106.80	2.35	1195.77	0.57	1324.88	0.38	757.16	0.38	4477.36	2.01	4206.63	2.35
5	D10	400	600	16	16	0.785	3215.4	1.34	2092	7066.27	3.14	2092.84	0.94	1621.21	0.38	1912.30	0.94	6033.32	2.62	5525.15	2.35
6	B5	600	400	16	16	0.785	3215.4	1.34	8811	4966.00	2.09	1230.81	0.57	1066.06	0.57	1338.87	0.57	5025.98	2.09	4961.15	2.35
7	B8	600	400	16	16	0.785	3215.4	1.34	8864	5296.27	2.35	1497.77	0.67	1648.14	0.75	1357.04	0.67	5285.16	2.35	5324.41	2.35
8	B10	600	400	16	16	0.785	3215.4	1.34	2001	4576.05	2.01	1237.22	0.57	2001.05	0.47	805.60	0.38	3587.05	1.51	4034.20	2.35
9	A3	400	600	4	20	0.785	3668	1.53	1708	5200.63	2.35	1319.93	0.57	1963.65	0.47	2356.71	1.01	5254.78	2.35	5231.17	2.35
10	A4	400	600	4	20	0.785	3668	1.53	1754	5207.35	2.35	1402.03	0.67	2077.95	0.47	1520.48	0.67	5313.45	2.35	5311.91	2.35
11	A5	400	600	4	20	0.785	3668	1.53	693	4914.53	2.09	1336.85	0.57	1929.90	0.47	1492.65	0.67	5080.81	2.35	5079.70	2.35
12	A6	400	600	4	20	0.785	3668	1.53	1800	2206.65	0.94	1590.12	0.67	2352.69	0.57	1739.85	0.75	2313.74	1.01	2193.95	2.35
13	A7	400	600	4	20	0.785	3668	1.53	695	2229.08	0.94	1692.29	0.75	2383.11	0.57	1740.76	0.75	2226.03	0.94	2221.84	2.35
14	A8	400	600	4	20	0.785	3668	1.53	696	5164.17	2.35	1600.95	0.67	2189.86	0.47	1932.86	0.94	5255.47	2.35	5237.32	2.35
15	A10	400	600	4	20	0.785	3668	1.53	2079	2759.83	1.32	1436.34	0.67	1877.12	0.47	660.33	0.38	2765.56	1.32	2678.52	2.35
16	B2	400	600	4	20	0.785	3668	1.53	8700	6938.42	3.14	1744.00	0.75	2748.82	1.32	1741.45	0.75	6841.27	3.14	7079.57	2.35
17	D3	400	600	4	20	0.785	3668	1.53	721	6350.77	2.68	1256.49	0.57	1391.91	0.38	2023.63	0.94	5919.09	2.62	5816.44	2.35
18	A9	400	600	4	16	0.785	4572	1.91	1840	4757.39	2.01	1665.39	0.75	2244.12	0.47	3840.00	1.64	4861.56	2.09	4822.62	2.35
19	C1	400	600	4	16	0.785	4572	1.91	709	7187.10	3.14	3721.42	1.57	2012.70	0.31	5376.00	2.35	7147.72	3.14	7078.34	2.35
20	D2	400	600	4	16	0.785	4572	1.91	8701	6855.45	3.14	1891.26	0.94	1878.01	0.47	1357.02	0.67	6488.08	3.14	6425.88	2.35
21	D4	400	600	4	16	0.785	4572	1.91	1764	8052.81	4.02	2326.17	1.01	1926.63	0.47	1735.88	0.75	7114.88	3.14	7007.62	2.35
22	D8	400	600	4	16	0.785	4572	1.91	726	8060.39	4.02	1942.78	0.94	1996.03	0.47	3101.10	1.32	6238.43	2.62	6228.81	2.35
22	B6	600	400	4	16	0.785	4572	1.91	1807	5196.13	2.35	1914.50	0.94	1448.13	0.67	1463.21	0.67	5294.44	2.35	5177.93	2.35
24	D7	400	600	4	16	0.785	5363	2.23	725	7549.70	3.27	2628.26	1.13	1607.40	0.38	2181.31	0.94	7320.09	3.14	7326.14	2.35
25	D9	400	600	4	16	0.785	5363	2.23	1863	6334.15	2.68	1894.07	0.94	1466.64	0.38	4032.00	2.01	6221.56	2.62	6229.66	2.35
26	B4	600	400	4	16	0.785	5363	2.23	1761	5734.92	2.45	1256.64	0.57	1073.20	0.57	1314.84	0.57	5352.77	2.35	5354.93	2.35
27	D5	400	600	6	28	0.785	6732	2.81	723	11520.00	5.36	5063.11	2.35	2693.81	0.57	4608.00	2.01	11255.68	5.36	11270.20	2.35
28	D6	400	600	6	28	0.785	6732	2.81	1810	12009.37	5.36	5679.40	2.45	2678.15	0.57	5372.97	2.35	11834.71	5.36	11640.67	2.35

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)																													
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II		PROPOSAL-III						PROPOSAL-IV															
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.					AREA OF STEEL	% STEEL REQD.														
29	B3	600	400	4	20	0.785	3668	1.53	8765	5042.02	2.35	1525.10	0.67	1283.12	0.57	1378.24	0.67	5018.31	2.09	4974.20	2.35																		
30	C4	400	750	4	28	0.785	6230	2.08	1757	14214.78	5.03	5131.68	1.88	4175.08	1.61	3271.93	1.21	14043.90	5.03	13890.22	2.35																		
31	C5	400	750	4	28	0.785	6230	2.08	2143	15842.86	0.00	6379.87	2.51	5258.29	1.88	4684.14	1.61	15637.13	5.21	15466.20	2.35																		
32	C10	400	750	4	28	0.785	6230	2.08	2082	10676.53	5.36	2933.33	1.32	2045.82	0.31	9408.00	4.02	9711.36	4.09	8258.61	2.35																		
33	C6	400	750	16	28	0.785	9847	3.28	1803	14058.96	5.03	5708.13	1.96	4472.44	1.61	4177.05	1.61	14053.11	5.03	13809.42	2.35																		
34	C8	400	750	16	28	0.785	9847	3.28	716	11196.09	4.29	4324.38	1.61	3374.14	1.21	2967.88	1.06	11146.08	4.29	11138.95	2.35																		
35	C3	400	600	16	22	0.785	6079	2.53	8767	11853.96	5.36	3640.13	1.57	3288.97	1.51	2403.44	1.01	11883.61	5.36	11805.66	2.35																		
36	B7	600	400	6	28	0.782	6718	2.80	8829	5986.80	2.62	1573.25	0.67	1302.79	0.57	1499.45	0.67	5819.55	2.45	5674.14	2.35																		
37	B9	600	400	6	28	0.782	6732	2.81	1844	5713.95	2.45	1233.97	0.57	1311.56	0.57	1668.14	0.75	4777.92	2.01	4846.13	2.35																		
38	C2	400	600	4	22	0.785	7674	3.20	8702	11860.15	5.36	4788.86	2.01	5930.18	2.62	3035.44	1.32	11961.63	5.36	12508.95	2.35																		
REINFORCEMENT DETAIL OF COLUMNS FROM FOURTH FLOOR																																							
																			0			2.35																	
																			0			2.35																	
1	A1	400	600	4	12	0.785	2864	1.19	838	1789.05	0.75	3648.00	1.57	4608.00	1.01	601.71	0.38	1797.80	0.75	1784.59	2.35																		
2	A2	400	600	4	12	0.785	2864	1.19	8778	4797.90	2.01	1260.20	0.57	1381.56	0.38	3648.00	1.57	4779.78	2.01	4751.58	2.35																		
3	B1	400	600	4	12	0.785	2864	1.19	848	2275.19	1.01	1007.30	0.57	1249.73	0.25	2496.00	1.05	2082.97	0.94	2560.76	2.35																		
4	D1	400	600	4	12	0.785	2864	1.19	868	4449.25	2.01	904.27	0.38	998.16	0.38	646.51	0.38	3891.35	1.64	3558.32	2.35																		
5	D10	400	600	4	12	0.785	2864	1.19	877	5877.44	2.45	2040.09	0.94	1541.76	0.38	1602.34	0.67	5143.80	2.35	4604.74	2.35																		
6	B10	600	400	16	16	0.785	3215.4	1.34	8731	4390.98	2.01	896.97	0.38	2135.79	0.47	1251.97	0.57	2665.09	1.13	3192.29	2.35																		
7	B3	600	400	16	16	0.785	3215.4	1.34	8765	5042.02	2.35	1525.10	0.67	1283.12	0.57	1378.24	0.67	5018.31	2.09	4974.20	2.35																		
8	A3	400	600	16	16	0.785	3215.4	1.34	1714	4634.70	2.01	1004.35	0.57	1493.21	0.38	2131.19	0.94	4595.97	2.01	4575.71	2.35																		
9	A4	400	600	16	16	0.785	3215.4	1.34	1760	4489.09	2.01	1055.32	0.57	1570.59	0.38	1156.30	0.57	4567.59	2.01	4565.13	2.35																		
10	A5	400	600	16	16	0.785	3215.4	1.34	842	4327.83	2.01	1012.78	0.57	1468.07	0.38	1144.76	0.57	4388.20	2.01	4386.80	2.35																		
11	A6	400	600	16	16	0.785	3215.4	1.34	843	1715.55	0.75	1223.75	0.57	1800.36	0.38	1352.81	0.57	1803.55	0.75	1704.91	2.35																		
12	A7	400	600	16	16	0.785	3215.4	1.34	844	1619.09	0.75	1285.08	0.57	1805.67	0.38	1344.68	0.57	1617.42	0.75	1613.91	2.35																		
13	A8	400	600	16	16	0.785	3215.4	1.34	845	4307.06	2.01	1196.09	0.57	1646.54	0.38	2003.92	0.94	4377.72	2.01	4362.90	2.35																		
14	A10	400	600	16	16	0.785	3215.4	1.34	8729	2227.16	0.94	1062.30	0.57	1368.46	0.38	456.99	0.38	2231.60	0.94	2153.81	2.35																		
15	B2	400	600	16	16	0.785	3215.4	1.34	8707	5928.02	2.62	1224.04	0.57	2296.71	1.01	2090.42	0.94	5783.81	2.45	6131.46	2.35																		

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)																													
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II						PROPOSAL-III		PROPOSAL-IV															
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.					AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.														
16	D3	400	600	16	16	0.785	3215.4	1.34	870	5375.05	2.35	1005.91	0.57	1128.26	0.38	1935.72	0.94	5206.12	2.35	5046.20	2.35																		
17	A9	400	600	8	16	0.785	4119.7	1.72	846	3849.59	1.64	1218.33	0.57	1650.19	0.38	3264.00	1.51	3933.93	1.68	3901.72	2.35																		
18	C1	400	600	8	16	0.785	4119.7	1.72	858	5619.57	2.35	3066.27	1.32	1537.07	0.25	4608.00	2.01	5904.14	2.62	6293.38	2.35																		
19	D2	400	600	8	16	0.785	4119.7	1.72	8709	5813.96	2.45	1543.95	0.67	1396.09	0.38	3456.00	1.51	5843.08	2.45	5863.36	2.35																		
20	D4	400	600	8	16	0.785	4119.7	1.72	871	6576.59	3.14	1719.90	0.75	1448.44	0.38	1359.72	0.67	6188.29	2.62	6104.46	2.35																		
21	D8	400	600	8	16	0.785	4119.7	1.72	875	6509.92	3.14	1488.23	0.67	1477.91	0.38	2897.20	1.32	5577.58	2.35	5474.88	2.35																		
22	B6	600	400	8	16	0.785	4119.7	1.72	853	4537.52	2.01	1249.15	0.57	989.15	0.57	1218.69	0.57	4523.47	2.01	4521.99	2.35																		
23	D7	400	600	4	16	0.785	5363	2.23	874	6703.23	3.14	2155.73	0.94	1265.59	0.38	1791.23	0.75	6621.38	3.14	6523.47	2.35																		
24	D9	400	600	4	16	0.785	5363	2.23	876	5616.51	2.35	1641.81	0.75	1170.75	0.38	3840.00	1.64	5518.44	2.35	5422.62	2.35																		
25	B4	600	400	8	16	0.785	4647	1.94	851	5214.89	2.35	983.82	0.57	854.35	0.38	1049.04	0.57	4826.35	2.01	4745.22	2.35																		
26	D5	400	600	2	28	0.785	5790	2.41	872	9245.49	4.02	3801.60	1.64	2037.56	0.47	3186.18	1.34	9187.36	4.02	9203.22	2.35																		
27	D6	400	600	2	28	0.785	5790	2.41	873	10058.67	5.36	4359.30	2.01	2518.50	0.57	3699.21	1.57	9798.02	4.09	9799.38	2.35																		
28	B8	600	400	4	12	0.785	2863	1.19	8843	4547.79	2.01	1102.48	0.57	1521.26	0.67	1082.87	0.57	4473.83	2.01	4501.56	2.35																		
29	B5	600	400	4	12	0.785	2864	1.19	8808	4250.11	2.01	982.89	0.57	863.98	0.38	1066.19	0.57	4318.66	2.01	4232.07	2.35																		
30	C4	400	750	12	20	0.785	6230	2.08	1460	12531.15	4.29	3780.63	1.34	3114.50	1.06	2844.59	1.06	12399.51	4.29	12161.99	2.35																		
31	C5	400	750	12	20	0.785	6230	2.08	2135	14315.69	5.03	4884.16	1.68	3999.55	1.34	4020.92	1.34	14019.90	5.03	13889.12	2.35																		
32	C10	400	750	12	20	0.785	6230	2.08	867	9536.32	4.02	2022.70	0.94	1567.53	0.25	7246.74	3.14	9470.99	4.02	8132.93	2.35																		
33	C6	400	750	4	25	0.785	9348	3.12	8774	11597.70	4.29	3825.32	1.34	2986.58	1.06	2879.95	1.06	11593.89	4.29	11404.55	2.35																		
34	C8	400	750	4	25	0.785	9348	3.12	865	9400.82	3.22	3038.16	1.06	2534.66	0.9	2542.45	0.9	9364.11	3.22	9503.78	2.35																		
35	C3	400	600	4	16	0.785	5363	2.23	8766	10225.96	5.36	2469.61	1.05	2476.91	1.05	2393.94	1.01	10332.07	5.36	10196.97	2.35																		
36	B7	600	400	14	22	0.782	5298.8	2.21	8826	4929.99	2.09	1178.61	0.57	1068.75	0.57	1215.56	0.57	4815.01	2.01	4803.32	2.35																		
37	B9	600	400	14	22	0.782	5298.8	2.21	856	4955.17	2.09	980.29	0.57	1230.85	0.57	1859.20	0.94	4055.47	2.01	4246.12	2.35																		
38	C2	400	600	6	28	0.785	6732	2.81	8710	10268.02	5.36	3853.22	1.64	5107.74	2.35	2912.06	1.32	10411.18	5.36	10848.76	2.35																		
REINFORCEMENT DETAIL OF COLUMNS FROM FIFTH FLOOR LEVEL																																							
1	A1	400	600	4	12	0.785	2864	1.19	987	2076.14	0.94	2112.00	0.94	3200.00	0.8	651.62	0.38	2034.55	0.94	1959.00	2.35																		
2	A2	400	600	4	12	0.785	2864	1.19	988	4565.22	2.01	1408.84	0.67	1205.07	0.45	3840.00	1.64	4557.76	2.01	4472.35	2.35																		

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)															
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II						PROPOSAL-III		PROPOSAL-IV	
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.					AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.
3	B1	400	600	4	12	0.785	2864	1.19	997	2322.60	1.01	967.58	0.57	1168.27	0.3	2688.00	1.13	2036.49	0.94	3648.00	2.35				
4	D1	400	600	4	12	0.785	2864	1.19	1017	4620.50	2.01	978.30	0.57	886.86	0.45	661.47	0.38	4253.92	2.01	4003.99	2.35				
5	D10	400	600	4	12	0.785	2864	1.19	8728	5575.51	2.35	2274.75	1.01	1742.52	0.45	1546.44	0.67	5179.35	2.35	4733.11	2.35				
6	B10	600	400	16	16	0.785	3215.4	1.34	1006	4464.31	2.01	884.88	0.38	2335.06	0.68	3648.00	1.57	3269.58	1.51	4048.44	2.35				
7	B3	600	400	16	16	0.785	3215.4	1.34	999	4219.55	2.01	1628.83	0.75	1454.38	0.67	2274.79	1.01	4429.12	2.01	4462.48	2.35				
8	A3	400	600	16	16	0.785	3215.4	1.34	989	4559.39	2.01	1219.45	0.57	1359.71	0.45	2966.03	1.32	4524.47	2.01	4505.09	2.35				
9	A4	400	600	16	16	0.785	3215.4	1.34	990	4327.88	2.01	1192.09	0.57	1437.04	0.45	1270.99	0.57	4473.28	2.01	4393.65	2.35				
10	A5	400	600	16	16	0.785	3215.4	1.34	991	4128.09	2.01	927.96	0.57	1357.64	0.45	1069.15	0.57	4185.31	2.01	4117.89	2.35				
11	A6	400	600	16	16	0.785	3215.4	1.34	992	2172.31	0.94	1172.96	0.57	1703.75	0.45	1304.74	0.57	2163.06	0.94	2157.33	2.35				
12	A7	400	600	16	16	0.785	3215.4	1.34	993	1980.33	0.94	1217.77	0.57	1696.65	0.45	1292.48	0.57	1978.89	0.94	1973.64	2.35				
13	A8	400	600	16	16	0.785	3215.4	1.34	994	4177.83	2.01	1088.53	0.57	1508.32	0.45	2636.41	1.13	4165.13	2.01	4151.73	2.35				
14	A10	400	600	16	16	0.785	3215.4	1.34	996	2636.61	1.13	956.00	0.57	1206.62	0.45	847.59	0.38	2641.95	1.13	2537.95	2.35				
15	B2	400	600	16	16	0.785	3215.4	1.34	8763	5251.68	2.35	1163.33	0.57	2240.77	0.94	2356.94	1.01	5111.22	2.35	5449.49	2.35				
16	D3	400	600	16	16	0.785	3215.4	1.34	1019	5210.63	2.35	1290.45	0.57	1085.45	0.45	2896.42	1.32	5059.74	2.35	4959.83	2.35				
17	A9	400	600	8	16	0.785	4119.7	1.72	995	3778.55	1.64	1076.80	0.57	1466.73	0.45	3264.00	1.51	3774.77	1.64	3743.04	2.35				
18	C1	400	600	8	16	0.785	4119.7	1.72	1007	5021.00	2.09	3139.30	1.32	1701.66	0.3	2687.96	1.13	5548.46	2.35	5732.84	2.35				
19	D2	400	600	8	16	0.785	4119.7	1.72	8758	5671.15	2.45	1989.70	0.94	1345.83	0.45	3648.00	1.57	5764.79	2.45	5693.88	2.35				
20	D4	400	600	8	16	0.785	4119.7	1.72	1020	6088.90	2.62	2032.91	0.94	1314.60	0.45	2120.13	0.94	6137.15	2.62	6055.38	2.35				
21	D8	400	600	8	16	0.785	4119.7	1.72	1024	5984.09	2.62	1958.46	0.94	1314.94	0.45	3764.88	1.57	5549.04	2.35	5534.41	2.35				
22	B6	600	400	8	16	0.785	4119.7	1.72	1002	4422.82	2.01	1412.07	0.67	1261.76	0.57	1338.82	0.57	4409.97	2.01	4408.09	2.35				
23	D7	400	600	4	16	0.785	5790	2.41	1023	6748.23	3.14	2796.96	1.32	1649.56	0.45	2687.65	1.13	6664.29	3.14	6567.10	2.35				
24	D9	400	600	4	16	0.785	5790	2.41	1025	5449.11	2.35	2116.21	0.94	1546.07	0.45	4032.00	2.01	5429.47	2.35	5328.88	2.35				
25	B4	600	400	8	16	0.785	4647	1.94	1000	4983.65	2.09	1231.25	0.57	1036.35	0.57	1076.07	0.57	4750.61	2.01	4671.12	2.35				
26	D5	400	600	2	28	0.785	5790	2.41	1021	8157.28	4.02	3658.09	1.57	2707.26	0.68	3548.58	1.51	8240.53	4.02	8135.35	2.35				
27	D6	400	600	2	28	0.785	5790	2.41	1022	9041.10	4.02	4242.61	2.01	3021.98	0.79	4349.77	2.01	8945.18	4.02	8823.86	2.35				
28	B8	600	400	4	12	0.785	2864	1.19	1004	4261.88	2.01	1251.77	0.57	1801.52	0.75	1675.05	0.75	4252.50	2.01	4286.07	2.35				
29	B5	600	400	4	12	0.785	2864	1.19	1001	4060.73	2.01	1057.97	0.57	1120.16	0.57	1105.24	0.57	4047.69	2.01	4044.45	2.35				

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)																													
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II						PROPOSAL-III		PROPOSAL-IV															
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.					AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.														
30	C4	400	750	12	20	0.785	6230	2.08	1461	11219.92	4.29	3596.57	1.21	3055.60	1.06	3553.16	1.21	10980.38	4.29	10866.19	2.35																		
31	C5	400	750	12	20	0.785	6230	2.08	2136	12892.47	5.03	4802.10	1.61	4038.69	1.61	4727.09	1.61	12740.46	4.29	12612.81	2.35																		
32	C10	400	750	12	20	0.785	6230	2.08	8730	8922.68	4.02	2299.91	1.01	2267.26	0.45	7417.75	3.14	9420.17	4.02	8572.07	2.35																		
33	C6	400	750	4	25	0.785	9348	3.12	1012	10246.48	4.29	3867.13	1.34	3101.21	1.06	3492.68	1.21	10073.60	4.29	9891.43	2.35																		
34	C8	400	750	4	25	0.785	9348	3.12	1014	8731.29	3.22	2794.97	1.06	2973.59	1.06	3528.74	1.21	8703.59	3.22	8870.28	2.35																		
35	C3	400	600	4	16	0.785	5363	2.23	1009	8968.47	4.02	2396.95	1.01	2537.37	1.13	3185.53	1.34	8991.00	4.02	8940.16	2.35																		
36	B7	600	400	14	22	0.782	5298.8	2.21	1003	4830.66	2.09	1489.26	0.67	1477.63	0.67	1291.97	0.57	4826.94	2.09	4699.79	2.35																		
37	B9	600	400	14	22	0.782	5298.8	2.21	1005	4718.12	2.01	1029.59	0.57	1520.63	0.67	2232.18	0.94	3974.12	1.68	4085.51	2.35																		
38	C2	400	600	6	28	0.785	6732	2.81	8768	8750.20	4.02	3964.09	1.68	5084.82	2.35	3576.21	1.51	8965.82	4.02	9440.13	2.35																		
REINFORCEMENT DETAIL OF COLUMNS FROM SIXTH FLOOR LEVEL																																							
																				0		2.35																	
																				0		2.35																	
1	A1	400	600	12	16	0.785	2411.5	1.00	1136	1722.93		592.58	0.38	830.07	0.45	1920.00	0.94	1679.46	0.75	1602.67	2.35																		
2	A2	400	600	12	16	0.785	2411.5	1.00	1137	3508.80	1.51	1178.83	0.57	1401.90	0.45	3648.00	1.57	3441.94	1.51	3374.21	2.35																		
3	B1	400	600	12	16	0.785	2411.5	1.00	1146	1779.29	0.75	674.11	0.38	853.44	0.3	2496.00	1.05	2304.00	1.01	3840.00	2.35																		
4	D1	400	600	12	16	0.785	2411.5	1.00	1166	3599.38	1.51	994.41	0.57	853.75	0.45	1920.00	0.94	3570.72	1.51	3453.19	2.35																		
5	D10	400	600	12	16	0.785	2411.5	1.00	8761	4218.58	2.01	2126.83	0.94	1837.99	0.57	2496.00	1.05	4194.43	2.01	3888.45	2.35																		
6	A3	400	600	12	16	0.785	2411.5	1.00	1138	3512.28	1.51	1246.20	0.57	1305.85	0.45	2788.34	1.32	3444.72	1.51	3430.29	2.35																		
7	A4	400	600	12	16	0.785	2411.5	1.00	1139	3384.15	1.51	1261.12	0.57	1430.34	0.45	1782.51	0.75	3461.54	1.51	3414.16	2.35																		
8	A5	400	600	12	16	0.785	2411.5	1.00	1140	3015.21	1.32	599.20	0.38	803.46	0.45	1009.10	0.57	3008.89	1.32	2968.08	2.35																		
9	A6	400	600	12	16	0.785	2411.5	1.00	1141	1533.04	0.67	759.49	0.38	1080.38	0.45	833.29	0.38	1525.81	0.67	1520.41	2.35																		
10	A7	400	600	12	16	0.785	2411.5	1.00	1142	1239.59	0.57	795.03	0.38	1090.50	0.45	827.57	0.38	1311.75	0.57	1307.00	2.35																		
11	A8	400	600	12	16	0.785	2411.5	1.00	1143	3061.67	1.32	958.75	0.57	1107.96	0.45	2724.29	1.32	3053.66	1.32	2998.71	2.35																		
12	A10	400	600	12	16	0.785	2411.5	1.00	1145	2565.65	1.13	927.72	0.57	1121.99	0.45	2304.00	1.01	2405.64	1.01	2292.27	2.35																		
13	B2	400	600	12	16	0.785	2411.5	1.00	1147	3495.92	1.51	821.16	0.38	1645.65	0.75	2354.64	1.01	3290.42	1.51	3683.53	2.35																		
14	D3	400	600	12	16	0.785	2411.5	1.00	1168	3634.08	1.57	1189.78	0.57	1210.86	0.45	2633.06	1.13	3599.83	1.51	3519.30	2.35																		
15	D2	400	600	12	16	0.785	2411.5	1.00	1167	4485.00	2.01	1894.74	0.94	1873.54	0.57	3072.00	1.32	4351.81	2.01	4338.06	2.35																		
16	D4	400	600	12	16	0.785	2411.5	1.00	1169	4681.33	2.01	1797.84	0.75	1698.81	0.45	2518.41	1.13	4718.18	2.01	4669.98	2.35																		

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)																													
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II		PROPOSAL-III		PROPOSAL-IV																			
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.																		
17	D8	400	600	12	16	0.785	2411.5	1.00	8854	4386.17	2.01	1985.64	0.94	1677.31	0.45	3692.46	1.57	4251.48	2.01	4237.20	2.35																		
18	A9	400	600	12	16	0.785	2411.5	1.00	1144	2736.13	1.32	768.60	0.38	818.69	0.45	2880.00	1.32	2687.30	1.13	2663.19	2.35																		
19	C1	400	600	12	16	0.785	2411.5	1.00	1156	3376.33	1.51	2415.00	1.05	2092.57	0.38	2264.26	1.01	4247.01	2.01	4135.64	2.35																		
20	B10	600	400	12	16	0.785	2411.5	1.00	1155	3512.55	1.51	856.84	0.38	2510.24	0.68	3456.00	1.51	2304.50	1.01	4224.00	2.35																		
21	B3	600	400	12	16	0.785	2411.5	1.00	1148	3420.42	1.51	1390.72	0.67	1186.01	0.57	2452.70	1.05	3539.34	1.51	3595.14	2.35																		
22	B4	600	400	12	16	0.785	2411.5	1.00	1149	3813.60	1.64	1345.65	0.57	817.72	0.38	1084.74	0.57	3797.43	1.64	3747.49	2.35																		
23	B5	600	400	12	16	0.785	2411.5	1.00	8805	2893.60	1.32	774.39	0.38	941.90	0.57	787.64	0.38	2885.38	1.32	2883.29	2.35																		
24	B8	600	400	12	16	0.785	2411.5	1.00	8840	2995.58	1.32	959.37	0.57	1497.59	0.67	1686.21	0.75	2988.18	1.32	3080.17	2.35																		
25	B6	600	400	12	16	0.785	2411.5	1.00	1151	3123.76	1.32	954.18	0.57	924.48	0.57	1024.94	0.57	3115.48	1.32	3113.66	2.35																		
26	D7	400	600	4	16	0.785	5363	2.23	1172	5091.57	2.35	2481.38	1.05	1985.68	0.57	2965.27	1.32	5099.62	2.35	5037.72	2.35																		
27	D9	400	600	4	16	0.785	5363	2.23	1174	3889.87	1.64	1890.80	0.94	1690.58	0.45	3648.00	1.57	3868.59	1.64	3842.05	2.35																		
28	B7	600	400	12	22	0.785	4559.3	1.90	8822	3483.40	1.51	1129.84	0.57	1115.01	0.57	986.58	0.57	3482.11	1.51	3472.19	2.35																		
29	B9	600	400	12	22	0.785	4559.3	1.90	1154	3369.34	1.51	733.59	0.38	1193.84	0.57	2172.42	0.94	3164.20	1.32	3383.74	2.35																		
30	C2	400	600	12	22	0.785	4559.3	1.90	1454	5733.25	2.45	2955.18	1.32	3886.86	1.64	3421.64	1.51	5965.18	2.62	6569.61	2.35																		
31	C3	400	600	12	22	0.785	4559.3	1.90	1158	6084.08	2.62	1497.46	0.67	1669.45	0.75	3031.33	1.32	6098.73	2.62	5972.69	2.35																		
32	D5	400	600	12	22	0.785	4559.3	1.90	1170	5892.12	2.62	2628.17	1.13	2847.37	0.79	3426.35	1.51	5963.54	2.62	5916.80	2.35																		
33	D6	400	600	12	22	0.785	4559.3	1.90	1171	6601.75	3.14	3527.76	1.51	3384.61	0.9	4292.12	2.01	6565.12	3.14	6505.50	2.35																		
34	C4	400	750	4	28	0.785	4974	1.66	1462	7838.13	2.62	2314.05	0.8	2054.67	0.75	3449.80	1.21	7687.32	2.62	7537.71	2.35																		
35	C5	400	750	4	28	0.785	4974	1.66	2137	9303.75	3.22	3420.54	1.21	3119.62	1.06	4391.44	1.61	9122.89	3.22	8955.88	2.35																		
36	C10	400	750	4	28	0.785	4974	1.66	1165	6638.27	3.14	2016.93	0.94	2391.11	0.45	6846.09	3.14	7587.97	3.27	7437.89	2.35																		
37	C6	400	750	8	28	0.785	6180	2.06	1161	7206.71	2.51	2213.72	0.75	1904.62	0.75	2965.32	1.06	7088.44	2.51	6976.88	2.35																		
38	C8	400	750	8	28	0.785	6180	2.06	1163	6034.83	2.09	1821.36	0.75	2355.88	0.8	3617.30	1.21	6021.01	2.09	6347.95	2.35																		
REINFORCEMENT DETAIL OF COLUMNS FROM TERRACE LEVEL																																							
																					0		2.35																
																					0		2.35																
1	A1	400	600	12	16	0.785	2411.5	1.00	1285	1227.39	0.57	850.96	0.38	1007.49	0.42	1920.00	0.94	1487.34	0.67	1539.16	2.35																		
2	A2	400	600	12	16	0.785	2411.5	1.00	1286	2013.18	0.94	1215.56	0.57	1055.06	0.42	3072.00	1.32	1969.28	0.94	1915.08	2.35																		
3	B1	400	600	12	16	0.785	2411.5	1.00	1295	1462.16	0.67	842.74	0.38	990.51	0.28	2688.00	1.13	1957.76	0.94	2703.19	2.35																		

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)															
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II						PROPOSAL-III		PROPOSAL-IV	
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.					AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.
4	D1	400	600	12	16	0.785	2411.5	1.00	1315	3124.23	1.32	1540.82	0.67	1303.52	0.42	1920.00	0.94	4079.86	2.01	4669.94	2.35				
5	D10	400	600	12	16	0.785	2411.5	1.00	1324	3261.53	1.51	2447.02	1.05	1795.40	0.57	1920.00	0.94	4517.46	2.01	5134.36	2.35				
6	A3	400	600	12	16	0.785	2411.5	1.00	1287	2437.98	1.05	1169.89	0.57	1253.29	0.42	3686.46	1.57	2399.90	1.01	2355.64	2.35				
7	A4	400	600	12	16	0.785	2411.5	1.00	1288	2245.18	0.94	1134.42	0.57	1319.45	0.42	1951.75	0.94	2232.51	0.94	2169.99	2.35				
8	A5	400	600	12	16	0.785	2411.5	1.00	1289	1874.83	0.94	568.42	0.38	676.67	0.42	1291.35	0.57	1869.63	0.94	1797.46	2.35				
9	A6	400	600	12	16	0.785	2411.5	1.00	1290	1329.33	0.57	525.71	0.38	540.08	0.42	908.61	0.57	1321.22	0.57	1313.47	2.35				
10	A7	400	600	12	16	0.785	2411.5	1.00	1291	1072.39	0.57	456.29	0.38	575.55	0.42	1080.82	0.57	1071.65	0.57	1023.27	2.35				
11	A8	400	600	12	16	0.785	2411.5	1.00	1292	1852.99	0.94	1002.62	0.57	1228.65	0.42	3814.19	1.64	1797.08	0.75	1735.54	2.35				
12	A10	400	600	12	16	0.785	2411.5	1.00	1294	1840.88	0.94	1080.88	0.57	1184.50	0.42	1920.00	0.94	2295.85	1.01	2319.99	2.35				
13	B2	400	600	12	16	0.785	2411.5	1.00	1296	1815.56	0.94	756.50	0.38	1448.15	0.67	2515.72	1.13	2625.42	1.13	3399.13	2.35				
14	B3	400	600	12	16	0.785	2411.5	1.00	1297	2358.26	1.01	1262.93	0.57	916.52	0.57	3213.32	1.34	2761.27	1.32	3300.15	2.35				
15	D2	400	600	12	16	0.785	2411.5	1.00	1316	3017.91	1.32	1488.70	0.67	1535.31	0.57	2304.00	1.01	3445.06	1.51	3905.73	2.35				
16	D4	400	600	12	16	0.785	2411.5	1.00	1318	3880.10	1.64	2217.29	0.94	2157.71	0.71	3408.44	1.51	3970.97	1.68	4431.84	2.35				
17	D8	400	600	12	16	0.785	2411.5	1.00	1322	3469.00	1.51	2285.36	1.01	2096.43	0.71	5342.07	2.35	3857.64	1.64	4626.66	2.35				
18	A9	400	600	12	16	0.785	2411.5	1.00	1293	1675.96	0.75	753.21	0.38	785.96	0.42	2112.00	0.94	1669.55	0.75	1693.68	2.35				
19	C1	400	600	12	16	0.785	2411.5	1.00	1305	2720.91	1.32	2283.52	1.01	2755.97	0.66	2880.00	1.32	4799.17	2.01	4784.76	2.35				
20	B10	600	400	12	16	0.785	2411.5	1.00	1304	2845.85	1.32	1378.47	0.67	1862.42	0.94	3264.00	1.51	3261.83	1.51	4271.84	2.35				
21	D3	600	400	12	16	0.785	2411.5	1.00	1317	2858.78	1.32	1752.02	0.75	1812.44	0.71	4044.42	2.01	2972.35	1.32	3404.75	2.35				
22	B4	600	400	12	16	0.785	2411.5	1.00	1298	2083.36	0.94	709.53	0.38	466.82	0.38	1405.23	0.67	2213.84	0.94	2589.05	2.35				
23	B5	600	400	12	16	0.785	2411.5	1.00	1299	1532.61	0.67	422.42	0.38	880.36	0.38	1101.72	0.57	1494.99	0.67	1849.66	2.35				
24	B8	600	400	12	16	0.785	2411.5	1.00	1302	1787.75	0.75	923.96	0.57	1249.90	0.57	2535.01	1.13	1864.15	0.94	2552.14	2.35				
25	B6	600	400	12	16	0.785	2411.5	1.00	1300	1860.40	0.94	617.33	0.38	883.23	0.38	1681.31	0.75	1864.89	0.94	2258.02	2.35				
26	D7	400	600	4	16	0.785	5363	2.23	1321	5166.49	2.35	3729.50	1.57	3080.24	0.99	4686.03	2.01	5147.50	2.35	5098.04	2.35				
27	D9	400	600	4	16	0.785	5363	2.23	1323	3471.80	1.51	2772.64	1.32	2279.75	0.75	3648.00	1.57	3910.20	1.64	4663.05	2.35				
28	B7	600	400	12	22	0.785	4559.3	1.90	1301	2425.14	1.05	1373.36	0.67	1197.56	0.57	2047.18	0.94	2425.57	1.05	2554.27	2.35				
29	B9	600	400	12	22	0.785	4559.3	1.90	1303	2328.60	1.01	735.10	0.38	1920.00	0.94	3437.20	1.51	3359.17	1.51	4569.24	2.35				
30	C2	400	600	12	22	0.785	4559.3	1.90	1455	2810.73	1.32	2113.64	0.94	2895.06	1.32	3169.40	1.34	4574.66	2.01	5729.57	2.35				

S.NO	LOCATIONS OF COLUMN	SIZE OF COLUMN		NO. BARS	DIA. OF BAR	CONSTANT	AREA OF STEEL	% OF STEEL	STAAD MEMBER NUMBER	STAAD RESULTS (DYANMIC ANALYSIS)											
										WITHOUT INFILL		WITH INFILL		PROPOSAL-I		PROPOSAL-II		PROPOSAL-III		PROPOSAL-IV	
										AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.	AREA OF STEEL	% STEEL REQD.
31	C3	400	600	12	22	0.785	4559.3	1.90	1307	3820.76	1.64	1116.67	0.57	1066.29	0.57	3107.15	1.32	3787.45	1.64	3666.64	2.35
32	D5	400	600	12	22	0.785	4559.3	1.90	1319	4230.37	2.01	2458.19	1.05	2696.74	0.85	3713.86	1.57	4686.34	2.01	5311.71	2.35
33	D6	400	600	12	22	0.785	4559.3	1.90	1320	4848.67	2.09	3733.26	1.57	3647.69	1.18	4804.20	2.01	5048.10	2.35	5457.06	2.35
34	C4	400	750	4	28	0.785	4974	1.66	1463	4298.50	1.61	1486.88	0.6	1151.51	0.45	3103.57	1.06	4148.93	1.61	4075.28	2.35
35	C5	400	750	4	28	0.785	4974	1.66	2138	6125.12	2.09	2989.12	1.06	2437.81	0.9	4677.17	1.61	5964.98	2.09	5849.57	2.35
36	C10	400	750	4	28	0.785	4974	1.66	1314	5288.12	2.35	2650.65	1.13	3552.28	0.75	8769.27	4.02	8596.29	4.02	8819.06	2.35
37	C6	400	750	8	28	0.785	6180	2.06	1310	4394.58	1.61	2170.94	0.75	1900.21	0.75	3913.18	1.34	4461.21	1.61	5126.78	2.35
38	C8	400	750	8	28	0.785	6180	2.06	1312	4144.94	1.61	1786.11	0.6	1696.63	0.6	3848.10	1.34	5188.11	1.88	6370.50	2.35