Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
		20	1.4	0.0	-1.8	0.0	-0.9	0.0	0.7	.5	1.4	0.0	1.9	0.0	-1.1	0.0
		21	0.4	0.0	-1.9	0.0	-1.0	0.0	0.6	.5	0.4	0.0	1.9	0.0	-1.0	0.0
		22	0.5	0.0	-2.1	0.0	-1.5	0.0	0.7	.55	0.5	0.0	1.6	0.0	-0.6	0.0
		23	1.3	0.0	-1.5	0.0	-0.4	0.0	0.7	.4	1.3	0.0	2.2	0.0	-1.6	0.0
		24	0.3	0.0	-2.1	0.0	-1.4	0.0	0.6	.55	0.3	0.0	1.6	0.0	-0.6	0.0
		25	1.5	0.0	-1.6	0.0	-0.4	0.0	0.7	.4	1.5	0.0	2.2	0.0	-1.5	0.0
6(B-C)	1	1	0.5	0.0	-1.6	0.0	0.0	0.0	1.4	.85	0.5	0.0	0.3	0.0	1.4	0.0
		2	0.7	0.0	-2.5	0.0	0.0	0.0	2.2	.85	0.7	0.0	0.5	0.0	2.1	0.0
		3	1.4	0.0	-4.8	0.0	0.0	0.0	4.4	.85	1.4	0.0	0.9	0.0	4.2	0.0
		4	0.7	0.0	-2.5	0.0	0.0	0.0	2.2	.85	0.7	0.0	0.5	0.0	2.1	0.0
		5	0.7	0.0	-2.5	0.0	0.0	0.0	2.2	.85	0.7	0.0	0.5	0.0	2.1	0.0
		6	0.4	0.0	-1.4	0.0	0.0	0.0	1.2	.85	0.4	0.0	0.3	0.0	1.2	0.0
		7	0.4	0.0	-1.4	0.0	0.0	0.0	1.2	.85	0.4	0.0	0.3	0.0	1.2	0.0
		8	0.3	0.0	-1.0	0.0	0.0	0.0	0.9	.85	0.3	0.0	0.2	0.0	0.9	0.0
		9	0.3	0.0	-1.0	0.0	0.0	0.0	0.9	.85	0.3	0.0	0.2	0.0	0.9	0.0
		10	0.7	0.3	-2.5	0.0	0.0	0.3	2.2	.85	0.7	0.3	0.5	0.0	2.1	-0.3
		11	0.8	-0.3	-2.5	0.0	0.0	-0.3	2.2	.85	0.8	-0.3	0.5	0.0	2.1	0.3
		12	0.8	0.3	-2.5	0.0	0.0	0.3	2.2	.85	0.8	0.3	0.5	0.0	2.1	-0.3
		13	0.7	-0.3	-2.5	0.0	0.0	-0.3	2.2	.85	0.7	-0.3	0.5	0.0	2.1	0.3
		14	0.5	0.1	-2.5	0.0	0.0	0.1	2.2	.85	0.5	0.1	0.5	0.0	2.2	-0.1
		15	1.0	-0.1	-2.5	0.0	0.0	-0.1	2.2	.85	1.0	-0.1	0.5	0.0	2.1	0.1
		16	0.5	-0.1	-2.5	0.0	0.0	-0.1	2.2	.85	0.5	-0.1	0.5	0.0	2.2	0.1
		17	1.0	0.1	-2.5	0.0	0.0	0.1	2.2	.85	1.0	0.1	0.5	0.0	2.1	-0.1
		18	0.2	0.3	-1.0	0.0	0.0	0.3	0.9	.85	0.2	0.3	0.2	0.0	0.9	-0.3
		19	0.4	-0.3	-1.0	0.0	0.0	-0.3	0.9	.85	0.4	-0.3	0.2	0.0	0.9	0.3
		20	0.4	0.3	-1.0	0.0	0.0	0.3	0.9	.85	0.4	0.3	0.2	0.0	0.9	-0.3
		21	0.2	-0.3	-1.0	0.0	0.0	-0.3	0.9	.85	0.2	-0.3	0.2	0.0	0.9	0.3
		22	0.1	0.1	-1.0	0.0	0.0	0.1	0.9	.85	0.1	0.1	0.2	0.0	0.9	-0.1
		23	0.5	-0.1	-1.0	0.0	0.0	-0.1	0.9	.85	0.5	-0.1	0.2	0.0	0.9	0.1
		24	0.1	-0.1	-1.0	0.0	0.0	-0.1	0.9	.85	0.1	-0.1	0.2	0.0	0.9	0.1
		25	0.5	0.1	-1.0	0.0	0.0	0.1	0.9	.85	0.5	0.1	0.2	0.0	0.9	-0.1
6(C-D)	1	1	0.5	0.0	0.3	0.0	1.4	0.0	1.4	0.0	0.5	0.0	1.0	0.0	0.8	0.0
		2	0.7	0.0	0.5	0.0	2.1	0.0	2.1	0.0	0.7	0.0	1.6	0.0	1.3	0.0
		3	1.4	0.0	0.9	0.0	4.2	0.0	4.2	0.0	1.4	0.0	3.1	0.0	2.5	0.0
		4	0.7	0.0	0.5	0.0	2.1	0.0	2.1	0.0	0.7	0.0	1.6	0.0	1.3	0.0
		5	0.7	0.0	0.5	0.0	2.1	0.0	2.1	0.0	0.7	0.0	1.6	0.0	1.3	0.0
		6	0.4	0.0	0.3	0.0	1.2	0.0	1.2	0.0	0.4	0.0	0.9	0.0	0.7	0.0
		7	0.4	0.0	0.3	0.0	1.2	0.0	1.2	0.0	0.4	0.0	0.9	0.0	0.7	0.0
		8	0.3	0.0	0.2	0.0	0.9	0.0	0.9	0.0	0.3	0.0	0.7	0.0	0.5	0.0
		9	0.3	0.0	0.2	0.0	0.9	0.0	0.9	0.0	0.3	0.0	0.7	0.0	0.5	0.0
		10	0.7	-0.1	0.5	0.0	2.1	-0.3	2.1	0.0	0.7	-0.1	1.6	0.0	1.3	-0.2
		11	0.8	0.1	0.5	0.0	2.1	0.3	2.1	0.0	0.8	0.1	1.6	0.0	1.3	0.2
		12	0.8	-0.1	0.5	0.0	2.1	-0.3	2.1	0.0	0.8	-0.1	1.6	0.0	1.3	-0.2
		13	0.7	0.1	0.5	0.0	2.1	0.3	2.1	0.0	0.7	0.1	1.6	0.0	1.3	0.2
		14	0.5	0.0	0.5	0.0	2.2	-0.1	2.2	0.0	0.5	0.0	1.6	0.0	1.3	-0.1
		15	1.0	0.0	0.5	0.0	2.1	0.1	2.1	0.0	1.0	0.0	1.6	0.0	1.3	0.1
		16	0.5	0.0	0.5	0.0	2.2	0.1	2.2	0.0	0.5	0.0	1.6	0.0	1.3	0.1
		17	1.0	0.0	0.5	0.0	2.1	-0.1	2.1	0.0	1.0	0.0	1.6	0.0	1.3	-0.1
		18	0.2	-0.1	0.2	0.0	0.9	-0.3	0.9	0.0	0.2	-0.1	0.7	0.0	0.5	-0.2
		19	0.4	0.1	0.2	0.0	0.9	0.3	0.9	0.0	0.4	0.1	0.7	0.0	0.5	0.2
		20	0.4	-0.1	0.2	0.0	0.9	-0.3	0.9	0.0	0.4	-0.1	0.7	0.0	0.5	-0.2
		21	0.2	0.1	0.2	0.0	0.9	0.3	0.9	0.0	0.2	0.1	0.7	0.0	0.5	0.2
		22	0.1	0.0	0.2	0.0	0.9	-0.1	0.9	0.0	0.1	0.0	0.7	0.0	0.6	-0.1
		23	0.5	0.0	0.2	0.0	0.9	0.1	0.9	0.0	0.5	0.0	0.7	0.0	0.5	0.1
		24	0.1	0.0	0.2	0.0	0.9	0.1	0.9	0.0	0.1	0.0	0.7	0.0	0.6	0.1
		25	0.5	0.0	0.2	0.0	0.9	-0.1	0.9	0.0	0.5	0.0	0.7	0.0	0.5	-0.1
6(D-E)	1	1	0.5	0.0	1.0	0.0	0.8	0.0	0.8	0.0	0.5	0.0	2.3	0.0	-1.5	0.0
		2	0.7	0.0	1.6	0.0	1.3	0.0	1.3	0.0	0.7	0.0	3.5	0.0	-2.3	0.0
		3	1.4	0.0	3.1	0.0	2.5	0.0	2.5	0.0	1.4	0.0	6.9	0.0	-4.5	0.0
		4	0.7	0.0	1.6	0.0	1.3	0.0	1.3	0.0	0.7	0.0	3.5	0.0	-2.3	0.0
		5	0.7	0.0	1.6	0.0	1.3	0.0	1.3	0.0	0.7	0.0	3.5	0.0	-2.3	0.0
		6	0.4	0.0	0.9	0.0	0.7	0.0	0.7	0.0	0.4	0.0	2.0	0.0	-1.3	0.0
		7	0.4	0.0	0.9	0.0	0.7	0.0	0.7	0.0	0.4	0.0	2.0	0.0	-1.3	0.0
		8	0.3	0.0	0.7	0.0	0.5	0.0	0.5	0.0	0.3	0.0	1.5	0.0	-1.0	0.0
		9	0.3	0.0	0.7	0.0	0.5	0.0	0.5	0.0	0.3	0.0	1.5	0.0	-1.0	0.0
		10	0.7	-0.3	1.6	0.0	1.3	-0.2	1.3	0.0	0.7	-0.3	3.5	0.0	-2.3	0.3
		11	0.8	0.3	1.6	0.0	1.3	0.2	1.3	0.0	0.8	0.3	3.5	0.0	-2.3	-0.3
		12	0.8	-0.3	1.6	0.0	1.3	-0.2	1.3	0.0	0.8	-0.3	3.5	0.0	-2.3	0.3
		13	0.7	0.3	1.6	0.0	1.3	0.2	1.3	0.0	0.7	0.3	3.5	0.0	-2.3	-0.3
		14	0.5	-0.1	1.6	0.0	1.3	-0.1	1.3	0.0	0.5	-0.1	3.5	0.0	-2.3	0.1
		15	1.0	0.1	1.6	0.0	1.3	0.1	1.3	0.0	1.0	0.1	3.5	0.0	-2.3	-0.1
		16	0.5	0.1	1.6	0.0	1.3	0.1	1.3	0.0	0.5	0.1	3.5	0.0	-2.3	-0.1
		17	1.0	-0.1	1.6	0.0	1.3	-0.1	1.3	0.0	1.0	-0.1	3.5	0.0	-2.3	0.1
		18	0.2	-0.3	0.7	0.0	0.5	-0.2	0.5	0.0	0.2	-0.3	1.5	0.0	-1.0	0.3
		19	0.4	0.3	0.7	0.0	0.5	0.2	0.5	0.0	0.4	0.3	1.5	0.0	-1.0	-0.3
		20	0.4	-0.3	0.7	0.0	0.5	-0.2	0.5	0.0	0.4	-0.3	1.5	0.0	-1.0	0.3

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
		21	0.2	0.3	0.7	0.0	0.5	0.2	0.5	0.0	0.2	0.3	1.5	0.0	-1.0	-0.3
		22	0.1	-0.1	0.7	0.0	0.6	-0.1	0.6	0.0	0.1	-0.1	1.5	0.0	-0.9	0.1
		23	0.5	0.1	0.7	0.0	0.5	0.1	0.5	0.0	0.5	0.1	1.5	0.0	-1.0	-0.1
		24	0.1	0.1	0.7	0.0	0.6	0.1	0.6	0.0	0.1	0.1	1.5	0.0	-0.9	-0.1
		25	0.5	-0.1	0.7	0.0	0.5	-0.1	0.5	0.0	0.5	-0.1	1.5	0.0	-1.0	0.1
7(A-B)	1	1	1.4	0.0	-2.9	0.0	-1.5	0.0	1.0	.5	1.4	0.0	3.0	0.0	-1.7	0.0
		2	1.7	0.0	-3.8	0.0	-2.0	0.0	1.3	.5	1.7	0.0	4.0	0.0	-2.3	0.0
		3	3.5	0.0	-6.9	0.0	-3.5	0.0	2.4	.5	3.5	0.0	7.1	0.0	-4.0	0.1
		4	1.8	0.0	-3.8	0.0	-2.0	0.0	1.3	.5	1.8	0.0	4.0	0.0	-2.3	0.0
		5	2.0	0.0	-3.8	0.0	-2.0	0.0	1.3	.5	2.0	0.0	4.0	0.0	-2.2	0.0
		6	1.0	0.0	-2.4	0.0	-1.2	0.0	0.8	.5	1.0	0.0	2.6	0.0	-1.5	0.0
		7	1.1	0.0	-2.4	0.0	-1.2	0.0	0.9	.5	1.1	0.0	2.6	0.0	-1.5	0.0
		8	0.8	0.0	-1.8	0.0	-0.9	0.0	0.6	.5	0.8	0.0	1.9	0.0	-1.1	0.0
		9	1.0	0.0	-1.8	0.0	-1.0	0.0	0.7	.5	1.0	0.0	1.9	0.0	-1.0	0.0
		10	1.4	0.0	-3.9	0.0	-2.0	0.0	1.3	.5	1.4	0.0	4.0	0.0	-2.2	0.0
		11	2.4	0.0	-3.8	0.0	-1.9	0.0	1.4	.5	2.4	0.0	4.0	0.0	-2.3	0.1
		12	1.7	0.0	-3.7	0.0	-1.7	0.0	1.3	.45	1.7	0.0	4.1	0.0	-2.5	0.0
		13	2.1	0.0	-4.0	0.0	-2.2	0.0	1.3	.5	2.1	0.0	3.8	0.0	-2.0	0.0
		14	1.3	0.0	-4.1	0.0	-2.5	0.0	1.3	.5	1.3	0.0	3.7	0.0	-1.8	0.0
		15	2.5	0.0	-3.6	0.0	-1.5	0.0	1.4	.45	2.5	0.0	4.3	0.0	-2.7	0.1
		16	1.5	0.0	-4.1	0.0	-2.5	0.0	1.3	.55	1.5	0.0	3.7	0.0	-1.7	0.0
		17	2.3	0.0	-3.5	0.0	-1.4	0.0	1.4	.45	2.3	0.0	4.3	0.0	-2.7	0.0
		18	0.4	0.0	-1.9	0.0	-1.0	0.0	0.6	.5	0.4	0.0	1.9	0.0	-1.0	0.0
		19	1.4	0.0	-1.8	0.0	-0.9	0.0	0.7	.5	1.4	0.0	1.9	0.0	-1.1	0.0
		20	0.7	0.0	-1.7	0.0	-0.7	0.0	0.7	.45	0.7	0.0	2.1	0.0	-1.3	0.0
		21	1.1	0.0	-2.0	0.0	-1.2	0.0	0.7	.55	1.1	0.0	1.8	0.0	-0.8	0.0
		22	0.3	0.0	-2.1	0.0	-1.4	0.0	0.6	.55	0.3	0.0	1.6	0.0	-0.6	0.0
		23	1.5	0.0	-1.6	0.0	-0.4	0.0	0.7	.4	1.5	0.0	2.2	0.0	-1.5	0.0
		24	0.5	0.0	-2.1	0.0	-1.5	0.0	0.7	.55	0.5	0.0	1.6	0.0	-0.6	0.0
		25	1.3	0.0	-1.5	0.0	-0.4	0.0	0.7	.4	1.3	0.0	2.2	0.0	-1.6	0.0
8(A-B)	1	1	1.5	0.0	-2.9	0.0	-1.5	0.0	1.0	.5	1.5	0.0	2.9	0.0	-1.6	0.0
		2	1.9	0.0	-3.9	0.0	-2.0	0.0	1.4	.5	1.9	0.0	3.9	0.0	-2.1	0.0
		3	3.5	0.0	-7.0	0.0	-3.6	0.0	2.5	.5	3.5	0.0	7.0	0.0	-3.7	0.0
		4	1.9	0.0	-3.9	0.0	-2.0	0.0	1.4	.5	1.9	0.0	3.9	0.0	-2.1	0.0
		5	2.0	0.0	-3.9	0.0	-2.0	0.0	1.4	.5	2.0	0.0	3.9	0.0	-2.1	0.0
		6	1.2	0.0	-2.5	0.0	-1.3	0.0	0.9	.5	1.2	0.0	2.5	0.0	-1.4	0.0
		7	1.2	0.0	-2.5	0.0	-1.3	0.0	0.9	.5	1.2	0.0	2.5	0.0	-1.4	0.0
		8	0.9	0.0	-1.9	0.0	-0.9	0.0	0.7	.5	0.9	0.0	1.9	0.0	-1.0	0.0
		9	1.0	0.0	-1.9	0.0	-1.0	0.0	0.7	.5	1.0	0.0	1.9	0.0	-1.0	0.0
		10	1.9	0.0	-4.0	0.0	-2.3	0.0	1.4	.5	1.9	0.0	3.8	0.0	-1.8	0.0
		11	2.1	0.0	-3.7	0.0	-1.8	0.0	1.4	.5	2.1	0.0	4.1	0.0	-2.3	0.0
		12	2.1	0.0	-3.7	0.0	-1.7	0.0	1.4	.5	2.1	0.0	4.1	0.0	-2.4	0.0
		13	1.9	0.0	-4.1	0.0	-2.3	0.0	1.4	.5	1.9	0.0	3.8	0.0	-1.8	0.0
		14	1.7	0.0	-4.4	0.0	-2.9	0.0	1.4	.55	1.7	0.0	3.4	0.0	-1.2	0.0
		15	2.3	0.0	-3.4	0.0	-1.1	0.0	1.5	.45	2.3	0.0	4.4	0.0	-3.0	0.0
		16	1.7	0.0	-4.4	0.0	-2.9	0.0	1.4	.55	1.7	0.0	3.4	0.0	-1.2	0.0
		17	2.3	0.0	-3.4	0.0	-1.1	0.0	1.5	.45	2.3	0.0	4.4	0.0	-3.0	0.0
		18	0.9	0.0	-2.0	0.0	-1.2	0.0	0.7	.55	0.9	0.0	1.7	0.0	-0.8	0.0
		19	1.1	0.0	-1.7	0.0	-0.7	0.0	0.7	.45	1.1	0.0	2.0	0.0	-1.2	0.0
		20	1.1	0.0	-1.7	0.0	-0.7	0.0	0.7	.45	1.1	0.0	2.1	0.0	-1.3	0.0
		21	0.9	0.0	-2.0	0.0	-1.3	0.0	0.7	.55	0.9	0.0	1.7	0.0	-0.7	0.0
		22	0.7	0.0	-2.4	0.0	-1.9	0.0	0.8	.65	0.7	0.0	1.4	0.0	-0.1	0.0
		23	1.3	0.0	-1.4	0.0	-0.1	0.0	0.8	.35	1.3	0.0	2.4	0.0	-1.9	0.0
		24	0.6	0.0	-2.4	0.0	-1.9	0.0	0.8	.65	0.6	0.0	1.4	0.0	-0.1	0.0
		25	1.3	0.0	-1.4	0.0	0.0	0.0	0.8	.35	1.3	0.0	2.4	0.0	-1.9	0.0
10(A-B)	1	1	1.5	0.0	-3.0	0.0	-1.6	0.0	1.1	.5	1.5	0.0	2.8	0.0	-1.3	0.0
		2	1.7	0.0	-4.0	0.0	-2.1	0.0	1.5	.5	1.7	0.0	3.8	0.0	-1.8	0.0
		3	3.6	0.0	-7.3	0.0	-3.9	0.0	2.7	.5	3.6	0.0	6.8	0.0	-3.0	0.0
		4	1.8	0.0	-4.0	0.0	-2.1	0.0	1.5	.5	1.8	0.0	3.8	0.0	-1.8	0.0
		5	2.1	0.0	-4.1	0.0	-2.2	0.0	1.5	.5	2.1	0.0	3.8	0.0	-1.6	0.0
		6	0.9	0.0	-2.5	0.0	-1.3	0.0	0.9	.5	0.9	0.0	2.5	0.0	-1.2	0.0
		7	1.1	0.0	-2.6	0.0	-1.3	0.0	0.9	.5	1.1	0.0	2.4	0.0	-1.2	0.0
		8	0.8	0.0	-1.9	0.0	-1.0	0.0	0.7	.5	0.8	0.0	1.8	0.0	-0.9	0.0
		9	1.1	0.0	-2.0	0.0	-1.1	0.0	0.7	.55	1.1	0.0	1.8	0.0	-0.7	0.0
		10	1.6	0.0	-4.3	0.0	-2.7	0.0	1.5	.55	1.6	0.0	3.5	0.0	-1.2	0.0
		11	2.4	0.0	-3.7	0.0	-1.6	0.0	1.5	.5	2.4	0.0	4.1	0.0	-2.2	0.0
		12	1.8	0.0	-3.9	0.0	-1.9	0.0	1.5	.5	1.8	0.0	3.9	0.0	-1.9	0.0
		13	2.2	0.0	-4.2	0.0	-2.4	0.0	1.5	.55	2.2	0.0	3.6	0.0	-1.5	0.0
		14	1.6	0.0	-4.8	0.0	-3.5	0.0	1.6	.6	1.6	0.0	3.0	0.0	-0.4	0.0
		15	2.4	0.0	-3.3	0.0	-0.8	0.0	1.6	.4	2.4	0.0	4.5	0.0	-3.0	0.0
		16	1.7	0.0	-4.7	0.0	-3.4	0.0	1.6	.6	1.7	0.0	3.1	0.0	-0.5	0.0
		17	2.3	0.0	-3.3	0.0	-0.9	0.0	1.6	.45	2.3	0.0	4.5	0.0	-2.9	0.0
		18	0.6	0.0	-2.2	0.0	-1.6	0.0	0.8	.6	0.6	0.0	1.5	0.0	-0.3	0.0
		19	1.3	0.0	-1.6	0.0	-0.5	0.0	0.8	.45	1.3	0.0	2.1	0.0	-1.3	0.0
		20	0.8	0.0	-1.8	0.0	-0.8	0.0	0.7	.5	0.8	0.0	1.9	0.0	-1.0	0.0
		21	1.1	0.0	-2.1	0.0	-1.3	0.0	0.7	.55	1.1	0.0	1.7	0.0	-0.6	0.0

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
		22	0.5	0.0	-2.7	0.0	-2.4	0.0	1.0	.7	0.5	0.0	1.1	0.0	0.5	0.0
		23	1.4	0.0	-1.2	0.0	0.3	0.0	1.0	.3	1.4	0.0	2.6	0.0	-2.1	0.0
		24	0.7	0.0	-2.6	0.0	-2.3	0.0	1.0	.7	0.7	0.0	1.1	0.0	0.4	0.0
		25	1.2	0.0	-1.2	0.0	0.2	0.0	1.0	.35	1.2	0.0	2.5	0.0	-2.0	0.0
2(A-B)	2	1	0.3	0.0	-0.4	0.0	-0.2	0.0	0.2	.45	0.0	0.0	0.5	0.0	-0.3	0.0
		2	0.6	0.0	-1.4	0.0	-0.5	0.0	0.8	.5	0.0	0.0	1.4	0.0	-0.6	0.0
		3	0.6	0.0	-1.0	0.0	-0.4	0.0	0.5	.45	0.1	0.0	1.2	0.0	-0.7	0.0
		4	0.6	0.0	-1.3	0.0	-0.5	0.0	0.7	.5	0.0	0.0	1.4	0.0	-0.6	0.0
		5	0.2	0.0	-0.2	0.0	-0.1	0.0	0.1	.4	0.1	0.0	0.3	0.0	-0.3	0.0
		6	0.6	0.0	-1.6	0.0	-0.5	0.0	0.9	.5	0.0	0.0	1.5	0.0	-0.5	0.0
		7	0.4	0.0	-1.0	0.0	-0.3	0.0	0.5	.5	0.0	0.0	1.0	0.0	-0.4	0.0
		8	0.4	0.0	-0.9	0.0	-0.3	0.0	0.5	.5	0.0	0.0	0.9	0.0	-0.3	0.0
		9	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.2	0.0	-0.1	0.0
		10	0.2	0.0	-0.7	0.0	-0.5	0.1	0.2	.5	0.0	0.0	0.6	0.0	-0.4	-0.1
		11	0.4	0.0	-0.5	0.0	0.0	-0.1	0.4	.4	0.2	0.0	0.8	0.0	-0.4	0.1
		12	-0.1	0.0	-0.2	0.0	0.6	0.1	0.7	.1	-0.4	0.0	1.2	0.0	-1.2	-0.1
		13	0.8	0.0	-1.1	0.0	-1.1	-0.1	0.5	.8	0.5	0.0	0.3	0.0	0.4	0.1
		14	0.9	0.0	-1.4	0.0	-1.9	0.0	0.9	1.0	0.6	0.0	-0.1	0.0	0.9	0.0
		15	-0.2	0.0	0.2	0.0	1.5	0.0	1.5	0.0	-0.5	0.0	1.5	0.0	-1.7	0.0
		16	1.0	0.0	-1.6	0.0	-2.1	0.0	1.1	1.0	0.8	0.0	-0.2	0.0	1.1	0.0
		17	-0.4	0.0	0.3	0.0	1.7	0.0	1.7	0.0	-0.6	0.0	1.7	0.0	-1.9	0.0
		18	0.1	0.0	-0.4	0.0	-0.3	0.1	0.0	.6	-0.1	0.0	0.3	0.0	-0.2	-0.1
		19	0.3	0.0	-0.2	0.0	0.1	-0.1	0.3	.35	0.1	0.0	0.4	0.0	-0.2	0.1
		20	-0.3	0.0	0.2	0.0	0.8	0.1	0.8	0.0	-0.4	0.0	0.8	0.0	-1.0	-0.1
		21	0.6	0.0	-0.7	0.0	-1.0	-0.1	0.6	1.0	0.5	0.0	-0.1	0.0	0.6	0.1
		22	0.7	0.0	-1.1	0.0	-1.8	0.0	1.1	1.0	0.6	0.0	-0.5	0.0	1.1	0.0
		23	-0.4	0.0	0.5	0.0	1.6	0.0	1.6	0.0	-0.5	0.0	1.2	0.0	-1.5	0.0
		24	0.9	0.0	-1.2	0.0	-2.0	0.0	1.3	1.0	0.7	0.0	-0.6	0.0	1.3	0.0
		25	-0.5	0.0	0.7	0.0	1.8	0.0	1.8	0.0	-0.7	0.0	1.3	0.0	-1.7	0.0
4(A-B)	2	1	0.2	0.0	-0.3	0.0	-0.1	0.0	0.1	.35	0.0	0.0	0.6	0.0	-0.7	0.0
		2	0.4	0.0	-1.1	0.0	-0.2	0.0	0.5	.35	-0.2	0.0	1.8	0.0	-1.5	0.0
		3	0.5	0.0	-0.8	0.0	-0.2	0.0	0.3	.35	0.0	0.0	1.5	0.0	-1.4	0.0
		4	0.4	0.0	-1.0	0.0	-0.2	0.0	0.5	.35	-0.2	0.0	1.7	0.0	-1.5	0.0
		5	0.2	0.0	-0.2	0.0	0.0	0.0	0.0	.3	0.0	0.0	0.4	0.0	-0.5	0.0
		6	0.4	0.0	-1.2	0.0	-0.2	0.0	0.6	.4	-0.3	0.0	1.9	0.0	-1.6	0.0
		7	0.3	0.0	-0.7	0.0	-0.1	0.0	0.3	.35	-0.1	0.0	1.3	0.0	-1.1	0.0
		8	0.2	0.0	-0.6	0.0	-0.1	0.0	0.3	.35	-0.1	0.0	1.1	0.0	-0.9	0.0
		9	0.0	0.0	0.2	0.0	0.1	0.0	0.1	1.0	0.1	0.0	-0.2	0.0	0.1	0.0
		10	0.4	0.0	-0.7	0.0	-0.5	0.1	0.1	.5	0.2	0.0	0.7	0.0	-0.5	-0.1
		11	0.1	0.0	-0.3	0.0	0.3	-0.1	0.4	.2	-0.2	0.0	1.1	0.0	-1.2	0.1
		12	0.1	0.1	-0.3	0.0	0.3	0.1	0.4	.2	-0.1	0.1	1.1	0.0	-1.2	-0.1
		13	0.4	-0.1	-0.7	0.0	-0.5	-0.1	0.1	.5	0.1	-0.1	0.7	0.0	-0.5	0.1
		14	0.8	0.0	-1.1	0.0	-1.4	-0.1	0.3	.85	0.5	0.0	0.2	0.0	0.3	0.1
		15	-0.3	0.0	0.2	0.0	1.2	0.1	1.2	0.0	-0.6	0.0	1.5	0.0	-1.9	-0.1
		16	0.8	-0.1	-1.1	0.0	-1.4	-0.1	0.3	.85	0.5	-0.1	0.2	0.0	0.3	0.1
		17	-0.3	0.1	0.2	0.0	1.2	0.1	1.2	0.0	-0.5	0.1	1.5	0.0	-1.9	-0.1
		18	0.3	0.0	-0.4	0.0	-0.5	0.1	0.0	.65	0.2	0.0	0.2	0.0	-0.1	-0.1
		19	-0.1	0.0	0.0	0.0	0.4	-0.1	0.4	0.0	-0.2	0.0	0.6	0.0	-0.7	0.1
		20	0.0	0.1	0.0	0.0	0.3	0.1	0.3	0.0	-0.1	0.1	0.6	0.0	-0.8	-0.1
		21	0.2	-0.1	-0.4	0.0	-0.4	-0.1	0.1	.65	0.1	-0.1	0.2	0.0	-0.1	0.1
		22	0.6	0.0	-0.9	0.0	-1.4	-0.1	0.7	1.0	0.5	0.0	-0.3	0.0	0.7	0.1
		23	-0.4	0.0	0.5	0.0	1.3	0.1	1.3	0.0	-0.6	0.0	1.1	0.0	-1.5	-0.1
		24	0.6	-0.1	-0.9	0.0	-1.3	-0.1	0.7	1.0	0.5	-0.1	-0.3	0.0	0.7	0.1
		25	-0.4	0.1	0.5	0.0	1.3	0.1	1.3	0.0	-0.5	0.1	1.1	0.0	-1.5	-0.1
4(B-C)	2	1	0.0	0.0	-0.6	0.0	-0.6	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		2	0.0	0.0	-1.5	0.0	-1.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		3	0.0	0.0	-1.2	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		4	0.0	0.0	-1.4	0.0	-1.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		5	0.0	0.0	-0.4	0.0	-0.4	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		6	0.0	0.0	-1.6	0.0	-1.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	0.0
		7	0.0	0.0	-1.1	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		8	0.0	0.0	-0.9	0.0	-0.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		9	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.1	0.0
		10	0.1	0.0	-0.8	0.0	-0.9	0.0	0.0	1.0	0.1	0.0	-0.1	0.0	0.0	0.0
		11	-0.1	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.0
		12	-0.1	0.0	-0.8	0.0	-0.8	0.0	0.0	1.0	-0.1	0.0	0.0	0.0	0.0	0.0
		13	0.1	0.0	-0.7	0.0	-0.7	0.0	0.0	.95	0.1	0.0	0.0	0.0	0.0	0.0
		14	0.3	0.0	-0.8	0.0	-0.8	0.0	0.1	1.0	0.3	0.0	-0.1	0.0	0.1	0.0
		15	-0.3	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	-0.3	0.0	0.1	0.0	0.0	0.0
		16	0.3	0.0	-0.8	0.0	-0.8	0.0	0.1	1.0	0.3	0.0	0.0	0.0	0.1	0.0
		17	-0.3	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0
		18	0.1	0.0	-0.4	0.0	-0.5	0.0	0.1	1.0	0.1	0.0	-0.1	0.0	0.1	0.0
		19	-0.1	0.0	-0.3	0.0	-0.3	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		20	-0.1	0.0	-0.4	0.0	-0.5	0.0	0.0	1.0	-0.1	0.0	-0.1	0.0	0.0	0.0
		21	0.1	0.0	-0.3	0.0	-0.3	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0
		22	0.3	0.0	-0.4	0.0	-0.5	0.0	0.1	1.0	0.3	0.0	-0.1	0.0	0.1	0.0

1022

Company: EVALUACION ESTRUCTURAL SAS
Project: ACCESO NORTE - BAÑOS HACIENDA EL CARMEN
Engineer: ANTONIO JOSE FUERTES C.
11:17:57 a.m. 30/01/2023

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
		23	-0.3	0.0	-0.3	0.0	-0.3	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0
		24	0.3	0.0	-0.4	0.0	-0.4	0.0	0.1	1.0	0.3	0.0	-0.1	0.0	0.1	0.0
		25	-0.3	0.0	-0.4	0.0	-0.4	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0
5(A-B)	2	1	0.2	0.0	-0.4	0.0	-0.1	0.0	0.2	.4	0.0	0.0	0.6	0.0	-0.4	0.0
		2	0.6	0.0	-1.3	0.0	-0.4	0.0	0.6	.45	0.0	0.0	1.6	0.0	-1.0	0.0
		3	0.6	0.0	-1.0	0.0	-0.4	0.0	0.4	.45	0.1	0.0	1.3	0.0	-0.9	0.0
		4	0.6	0.0	-1.2	0.0	-0.4	0.0	0.6	.45	0.0	0.0	1.5	0.0	-1.0	0.0
		5	0.2	0.0	-0.2	0.0	-0.1	0.0	0.1	.4	0.1	0.0	0.3	0.0	-0.3	0.0
		6	0.6	0.0	-1.4	0.0	-0.4	0.0	0.7	.45	-0.1	0.0	1.7	0.0	-1.0	0.0
		7	0.4	0.0	-0.9	0.0	-0.3	0.0	0.4	.45	0.0	0.0	1.1	0.0	-0.7	0.0
		8	0.3	0.0	-0.8	0.0	-0.2	0.0	0.4	.45	0.0	0.0	1.0	0.0	-0.6	0.0
		9	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.2	0.0	0.0	0.0
		10	0.3	0.1	-0.7	0.0	-0.4	0.1	0.2	.55	0.0	0.1	0.6	0.0	-0.3	-0.1
		11	0.3	0.0	-0.4	0.0	0.1	-0.1	0.3	.3	0.1	0.0	0.9	0.0	-0.8	0.1
		12	0.2	0.1	-0.4	0.0	0.1	0.1	0.3	.3	-0.1	0.1	0.9	0.0	-0.8	-0.1
		13	0.5	-0.1	-0.7	0.0	-0.5	-0.1	0.2	.55	0.2	-0.1	0.6	0.0	-0.3	0.1
		14	0.5	0.0	-1.0	0.0	-1.1	0.0	0.3	.75	0.2	0.0	0.3	0.0	0.2	0.0
		15	0.1	0.0	-0.1	0.0	0.7	0.0	0.7	.1	-0.1	0.0	1.2	0.0	-1.3	0.0
		16	0.5	0.0	-1.0	0.0	-1.1	-0.1	0.3	.75	0.3	0.0	0.3	0.0	0.2	0.1
		17	0.1	0.0	-0.1	0.0	0.7	0.1	0.7	.1	-0.2	0.0	1.2	0.0	-1.3	-0.1
		18	0.1	0.1	-0.4	0.0	-0.3	0.1	0.1	.65	0.0	0.1	0.2	0.0	0.0	-0.1
		19	0.2	0.0	-0.1	0.0	0.2	-0.1	0.2	.2	0.0	0.0	0.5	0.0	-0.5	0.1
		20	0.0	0.1	-0.1	0.0	0.2	0.1	0.2	.2	-0.1	0.1	0.5	0.0	-0.5	-0.1
		21	0.3	-0.1	-0.4	0.0	-0.4	-0.1	0.1	.65	0.2	-0.1	0.2	0.0	0.0	0.1
		22	0.3	0.0	-0.7	0.0	-0.9	0.0	0.5	1.0	0.2	0.0	-0.1	0.0	0.5	0.0
		23	0.0	0.0	0.2	0.0	0.8	0.0	0.8	0.0	-0.2	0.0	0.8	0.0	-1.0	0.0
		24	0.4	0.0	-0.7	0.0	-1.0	-0.1	0.5	1.0	0.2	0.0	-0.1	0.0	0.5	0.1
		25	-0.1	0.0	0.2	0.0	0.8	0.1	0.8	0.0	-0.2	0.0	0.8	0.0	-1.0	-0.1
7(A-B)	2	1	0.2	0.0	-0.4	0.0	-0.1	0.0	0.2	.4	0.0	0.0	0.6	0.0	-0.4	0.0
		2	0.6	0.0	-1.3	0.0	-0.4	0.0	0.6	.45	0.0	0.0	1.6	0.0	-1.0	0.0
		3	0.6	0.0	-1.0	0.0	-0.4	0.0	0.4	.45	0.1	0.0	1.3	0.0	-0.9	0.0
		4	0.6	0.0	-1.2	0.0	-0.4	0.0	0.6	.45	0.0	0.0	1.5	0.0	-1.0	0.0
		5	0.2	0.0	-0.2	0.0	-0.1	0.0	0.1	.4	0.1	0.0	0.3	0.0	-0.3	0.0
		6	0.6	0.0	-1.4	0.0	-0.4	0.0	0.7	.45	-0.1	0.0	1.7	0.0	-1.0	0.0
		7	0.4	0.0	-0.9	0.0	-0.3	0.0	0.4	.45	0.0	0.0	1.1	0.0	-0.7	0.0
		8	0.3	0.0	-0.8	0.0	-0.2	0.0	0.4	.45	0.0	0.0	1.0	0.0	-0.6	0.0
		9	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.2	0.0	0.0	0.0
		10	0.5	0.1	-0.7	0.0	-0.5	0.1	0.2	.55	0.2	0.1	0.6	0.0	-0.3	-0.1
		11	0.2	-0.1	-0.4	0.0	0.1	-0.1	0.3	.3	-0.1	-0.1	0.9	0.0	-0.8	0.1
		12	0.3	0.0	-0.4	0.0	0.1	0.1	0.3	.3	0.0	0.0	0.9	0.0	-0.8	-0.1
		13	0.3	-0.1	-0.7	0.0	-0.4	-0.1	0.2	.55	0.0	-0.1	0.6	0.0	-0.3	0.1
		14	0.5	0.0	-1.0	0.0	-1.1	0.1	0.3	.75	0.3	0.0	0.3	0.0	0.2	-0.1
		15	0.1	0.0	-0.1	0.0	0.7	-0.1	0.7	.1	-0.2	0.0	1.2	0.0	-1.3	0.1
		16	0.5	0.0	-1.0	0.0	-1.1	0.0	0.3	.75	0.2	0.0	0.3	0.0	0.2	0.0
		17	0.1	0.0	-0.1	0.0	0.7	0.0	0.7	.1	-0.1	0.0	1.2	0.0	-1.3	0.0
		18	0.3	0.1	-0.4	0.0	-0.4	0.1	0.1	.65	0.2	0.1	0.2	0.0	-0.1	-0.1
		19	0.0	-0.1	-0.1	0.0	0.2	-0.1	0.2	.2	-0.1	-0.1	0.5	0.0	-0.5	0.1
		20	0.2	0.0	-0.1	0.0	0.2	0.1	0.2	.2	0.0	0.0	0.5	0.0	-0.5	-0.1
		21	0.1	-0.1	-0.4	0.0	-0.3	-0.1	0.1	.65	0.0	-0.1	0.2	0.0	0.0	0.1
		22	0.4	0.0	-0.7	0.0	-1.0	0.1	0.5	1.0	0.2	0.0	-0.1	0.0	0.5	-0.1
		23	-0.1	0.0	0.2	0.0	0.8	-0.1	0.8	0.0	-0.2	0.0	0.8	0.0	-1.0	0.1
		24	0.3	0.0	-0.7	0.0	-0.9	0.0	0.5	1.0	0.2	0.0	-0.1	0.0	0.5	0.0
		25	0.0	0.0	0.2	0.0	0.8	0.0	0.8	0.0	-0.2	0.0	0.8	0.0	-1.0	0.0
8(A-B)	2	1	0.2	0.0	-0.3	0.0	-0.1	0.0	0.1	.35	0.0	0.0	0.6	0.0	-0.7	0.0
		2	0.4	0.0	-1.1	0.0	-0.2	0.0	0.5	.35	-0.2	0.0	1.8	0.0	-1.5	0.0
		3	0.5	0.0	-0.8	0.0	-0.2	0.0	0.3	.35	0.0	0.0	1.5	0.0	-1.4	0.0
		4	0.4	0.0	-1.0	0.0	-0.2	0.0	0.5	.35	-0.2	0.0	1.7	0.0	-1.5	0.0
		5	0.2	0.0	-0.2	0.0	0.0	0.0	0.0	.3	0.0	0.0	0.4	0.0	-0.5	0.0
		6	0.4	0.0	-1.2	0.0	-0.2	0.0	0.6	.4	-0.3	0.0	1.9	0.0	-1.6	0.0
		7	0.3	0.0	-0.7	0.0	-0.1	0.0	0.3	.35	-0.1	0.0	1.3	0.0	-1.1	0.0
		8	0.2	0.0	-0.6	0.0	-0.1	0.0	0.3	.35	-0.1	0.0	1.1	0.0	-0.9	0.0
		9	0.0	0.0	0.2	0.0	0.1	0.0	0.1	1.0	0.1	0.0	-0.2	0.0	0.1	0.0
		10	0.4	0.1	-0.7	0.0	-0.5	0.1	0.1	.5	0.1	0.1	0.7	0.0	-0.5	-0.1
		11	0.1	-0.1	-0.3	0.0	0.3	-0.1	0.4	.2	-0.1	-0.1	1.1	0.0	-1.2	0.1
		12	0.1	0.0	-0.2	0.0	0.3	0.1	0.4	.2	-0.2	0.0	1.1	0.0	-1.2	-0.1
		13	0.4	0.0	-0.7	0.0	-0.5	-0.1	0.1	.5	0.2	0.0	0.7	0.0	-0.5	0.1
		14	0.8	0.1	-1.1	0.0	-1.4	0.1	0.3	.85	0.5	0.1	0.2	0.0	0.3	-0.1
		15	-0.3	-0.1	0.2	0.0	1.2	-0.1	1.2	0.0	-0.5	-0.1	1.5	0.0	-1.9	0.1
		16	0.8	0.0	-1.1	0.0	-1.4	0.1	0.3	.85	0.5	0.0	0.2	0.0	0.3	-0.1
		17	-0.3	0.0	0.2	0.0	1.2	-0.1	1.2	0.0	-0.6	0.0	1.5	0.0	-1.9	0.1
		18	0.2	0.1	-0.4	0.0	-0.4	0.1	0.1	.65	0.1	0.1	0.2	0.0	-0.1	-0.1
		19	0.0	-0.1	0.0	0.0	0.3	-0.1	0.3	0.0	-0.1	-0.1	0.6	0.0	-0.8	0.1
		20	-0.1	0.0	0.0	0.0	0.4	0.1	0.4	0.0	-0.2	0.0	0.6	0.0	-0.7	-0.1
		21	0.3	0.0	-0.4	0.0	-0.5	-0.1	0.0	.65	0.2	0.0	0.2	0.0	-0.1	0.1
		22	0.6	0.1	-0.9	0.0	-1.3	0.1	0.7	1.0	0.5	0.1	-0.3	0.0	0.7	-0.1
		23	-0.4	-0.1	0.5	0.0	1.3	-0.1	1.3	0.0	-0.5	-0.1	1.1	0.0	-1.5	0.1

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
		24	0.6	0.0	-0.9	0.0	-1.4	0.1	0.7	1.0	0.5	0.0	-0.3	0.0	0.7	-0.1
		25	-0.4	0.0	0.5	0.0	1.3	-0.1	1.3	0.0	-0.6	0.0	1.1	0.0	-1.5	0.1
8(B-C)	2	1	0.0	0.0	-0.6	0.0	-0.6	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		2	0.0	0.0	-1.5	0.0	-1.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		3	0.0	0.0	-1.2	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		4	0.0	0.0	-1.5	0.0	-1.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		5	0.0	0.0	-0.4	0.0	-0.4	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		6	0.0	0.0	-1.6	0.0	-1.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	0.0
		7	0.0	0.0	-1.1	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		8	0.0	0.0	-0.9	0.0	-0.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		9	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.1	0.0
		10	0.1	0.0	-0.7	0.0	-0.7	0.0	0.0	.95	0.1	0.0	0.0	0.0	0.0	0.0
		11	-0.1	0.0	-0.8	0.0	-0.8	0.0	0.0	1.0	-0.1	0.0	0.0	0.0	0.0	0.0
		12	-0.1	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.0
		13	0.1	0.0	-0.8	0.0	-0.9	0.0	0.0	1.0	0.1	0.0	-0.1	0.0	0.0	0.0
		14	0.3	0.0	-0.8	0.0	-0.8	0.0	0.1	1.0	0.3	0.0	0.0	0.0	0.1	0.0
		15	-0.3	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0
		16	0.3	0.0	-0.8	0.0	-0.8	0.0	0.1	1.0	0.3	0.0	-0.1	0.0	0.1	0.0
		17	-0.3	0.0	-0.7	0.0	-0.7	0.0	0.0	0.0	-0.3	0.0	0.1	0.0	0.0	0.0
		18	0.1	0.0	-0.3	0.0	-0.3	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0
		19	-0.1	0.0	-0.4	0.0	-0.5	0.0	0.0	1.0	-0.1	0.0	-0.1	0.0	0.0	0.0
		20	-0.1	0.0	-0.3	0.0	-0.3	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		21	0.1	0.0	-0.4	0.0	-0.5	0.0	0.1	1.0	0.1	0.0	-0.1	0.0	0.1	0.0
		22	0.3	0.0	-0.4	0.0	-0.4	0.0	0.1	1.0	0.3	0.0	-0.1	0.0	0.1	0.0
		23	-0.3	0.0	-0.4	0.0	-0.4	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0
		24	0.3	0.0	-0.4	0.0	-0.5	0.0	0.1	1.0	0.3	0.0	-0.1	0.0	0.1	0.0
		25	-0.3	0.0	-0.3	0.0	-0.3	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0
10(A-B)	2	1	0.3	0.0	-0.4	0.0	-0.2	0.0	0.2	.45	0.0	0.0	0.5	0.0	-0.3	0.0
		2	0.6	0.0	-1.4	0.0	-0.5	0.0	0.8	.5	0.0	0.0	1.4	0.0	-0.6	0.0
		3	0.6	0.0	-1.0	0.0	-0.4	0.0	0.5	.45	0.1	0.0	1.2	0.0	-0.7	0.0
		4	0.6	0.0	-1.3	0.0	-0.5	0.0	0.7	.5	0.0	0.0	1.4	0.0	-0.6	0.0
		5	0.2	0.0	-0.2	0.0	-0.1	0.0	0.1	.4	0.1	0.0	0.3	0.0	-0.3	0.0
		6	0.6	0.0	-1.6	0.0	-0.5	0.0	0.9	.5	0.0	0.0	1.5	0.0	-0.5	0.0
		7	0.4	0.0	-1.0	0.0	-0.3	0.0	0.5	.5	0.0	0.0	1.0	0.0	-0.4	0.0
		8	0.4	0.0	-0.9	0.0	-0.3	0.0	0.5	.5	0.0	0.0	0.9	0.0	-0.3	0.0
		9	0.0	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.2	0.0	-0.1	0.0
		10	0.8	0.0	-1.1	0.0	-1.1	0.1	0.5	.8	0.5	0.0	0.3	0.0	0.4	-0.1
		11	-0.1	0.0	-0.2	0.0	0.6	-0.1	0.7	.1	-0.4	0.0	1.2	0.0	-1.2	0.1
		12	0.4	0.0	-0.5	0.0	0.0	0.1	0.4	.4	0.2	0.0	0.8	0.0	-0.4	-0.1
		13	0.2	0.0	-0.7	0.0	-0.5	-0.1	0.2	.5	0.0	0.0	0.6	0.0	-0.4	0.1
		14	1.1	0.0	-1.6	0.0	-2.1	0.0	1.1	1.0	0.8	0.0	-0.2	0.0	1.1	0.0
		15	-0.4	0.0	0.3	0.0	1.7	0.0	1.7	0.0	-0.6	0.0	1.7	0.0	-1.9	0.0
		16	0.9	0.0	-1.4	0.0	-2.0	0.0	0.9	1.0	0.6	0.0	-0.1	0.0	0.9	0.0
		17	-0.2	0.0	0.2	0.0	1.5	0.0	1.5	0.0	-0.5	0.0	1.5	0.0	-1.7	0.0
		18	0.6	0.0	-0.7	0.0	-1.0	0.1	0.6	1.0	0.5	0.0	-0.1	0.0	0.6	-0.1
		19	-0.3	0.0	0.2	0.0	0.8	-0.1	0.8	0.0	-0.4	0.0	0.8	0.0	-1.0	0.1
		20	0.3	0.0	-0.2	0.0	0.1	0.1	0.3	.35	0.1	0.0	0.4	0.0	-0.2	-0.1
		21	0.1	0.0	-0.4	0.0	-0.3	-0.1	0.0	.6	-0.1	0.0	0.3	0.0	-0.2	0.1
		22	0.9	0.0	-1.2	0.0	-2.0	0.0	1.3	1.0	0.7	0.0	-0.6	0.0	1.3	0.0
		23	-0.5	0.0	0.7	0.0	1.8	0.0	1.8	0.0	-0.7	0.0	1.3	0.0	-1.7	0.0
		24	0.7	0.0	-1.1	0.0	-1.8	0.0	1.1	1.0	0.6	0.0	-0.5	0.0	1.1	0.0
		25	-0.4	0.0	0.5	0.0	1.6	0.0	1.6	0.0	-0.5	0.0	1.2	0.0	-1.5	0.0
A-1-B-2	1	1	2.0	0.0	-3.9	0.0	-2.8	0.0	1.8	.5	2.0	0.0	3.9	0.0	-2.8	0.0
		2	2.4	0.0	-5.3	0.0	-3.8	0.0	2.4	.5	2.4	0.0	5.3	0.0	-3.8	0.0
		3	4.9	0.0	-9.4	0.0	-6.8	0.0	4.4	.5	4.9	0.0	9.4	0.0	-6.8	0.0
		4	2.4	0.0	-5.3	0.0	-3.8	0.0	2.4	.5	2.4	0.0	5.3	0.0	-3.8	0.0
		5	2.9	0.0	-5.3	0.0	-3.8	0.0	2.4	.5	2.9	0.0	5.3	0.0	-3.8	0.0
		6	1.3	0.0	-3.4	0.0	-2.4	0.0	1.5	.5	1.3	0.0	3.4	0.0	-2.5	0.0
		7	1.5	0.0	-3.4	0.0	-2.4	0.0	1.5	.5	1.5	0.0	3.4	0.0	-2.5	0.0
		8	1.1	0.0	-2.5	0.0	-1.8	0.0	1.2	.5	1.1	0.0	2.5	0.0	-1.9	0.0
		9	1.5	0.0	-2.5	0.0	-1.8	0.0	1.2	.5	1.5	0.0	2.5	0.0	-1.8	0.0
		10	1.9	0.0	-5.5	0.0	-4.5	0.0	2.4	.55	1.9	0.0	5.0	0.0	-3.2	0.0
		11	3.6	0.0	-5.0	0.0	-3.1	0.0	2.5	.45	3.6	0.0	5.5	0.0	-4.4	0.0
		12	2.0	0.0	-5.4	0.0	-4.1	0.0	2.4	.5	2.0	0.0	5.2	0.0	-3.5	0.0
		13	3.4	0.0	-5.2	0.0	-3.5	0.0	2.5	.5	3.4	0.0	5.4	0.0	-4.0	0.0
		14	2.2	0.0	-5.6	0.0	-4.7	0.0	2.4	.55	2.2	0.0	4.9	0.0	-3.0	0.0
		15	3.2	0.0	-4.9	0.0	-2.9	0.0	2.5	.45	3.2	0.0	5.6	0.0	-4.6	0.0
		16	2.7	0.0	-5.5	0.0	-4.4	0.0	2.4	.5	2.7	0.0	5.0	0.0	-3.3	0.0
		17	2.7	0.0	-5.0	0.0	-3.2	0.0	2.5	.5	2.7	0.0	5.5	0.0	-4.3	0.0
		18	0.5	0.0	-2.8	0.0	-2.5	0.0	1.2	.55	0.5	0.0	2.2	0.0	-1.2	0.0
		19	2.2	0.0	-2.2	0.0	-1.1	0.0	1.2	.45	2.2	0.0	2.8	0.0	-2.5	0.0
		20	0.6	0.0	-2.6	0.0	-2.1	0.0	1.2	.5	0.6	0.0	2.4	0.0	-1.6	0.0
		21	2.0	0.0	-2.4	0.0	-1.5	0.0	1.2	.5	2.0	0.0	2.6	0.0	-2.1	0.0
		22	0.8	0.0	-2.9	0.0	-2.7	0.0	1.2	.55	0.8	0.0	2.2	0.0	-1.0	0.0
		23	1.8	0.0	-2.2	0.0	-0.9	0.0	1.3	.45	1.8	0.0	2.9	0.0	-2.6	0.0
		24	1.3	0.0	-2.8	0.0	-2.4	0.0	1.2	.55	1.3	0.0	2.3	0.0	-1.3	0.0

1024

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
		25	1.3	0.0	-2.3	0.0	-1.2	0.0	1.2	.45	1.3	0.0	2.8	0.0	-2.3	0.0
B-3-C-4	1	1	0.0	0.0	-0.9	0.0	0.0	0.0	0.5	.35	0.0	0.0	1.5	0.0	-0.8	0.0
		2	0.0	0.0	-1.4	0.0	0.0	0.0	0.7	.35	0.0	0.0	2.3	0.0	-1.3	0.0
		3	0.1	0.0	-2.7	0.0	0.0	0.0	1.4	.35	0.1	0.0	4.6	0.0	-2.5	0.0
		4	0.0	0.0	-1.4	0.0	0.0	0.0	0.7	.35	0.0	0.0	2.3	0.0	-1.3	0.0
		5	0.0	0.0	-1.4	0.0	0.0	0.0	0.7	.35	0.0	0.0	2.3	0.0	-1.3	0.0
		6	0.0	0.0	-0.8	0.0	0.0	0.0	0.4	.35	0.0	0.0	1.3	0.0	-0.7	0.0
		7	0.0	0.0	-0.8	0.0	0.0	0.0	0.4	.35	0.0	0.0	1.3	0.0	-0.7	0.0
		8	0.0	0.0	-0.6	0.0	0.0	0.0	0.3	.35	0.0	0.0	1.0	0.0	-0.5	0.0
		9	0.0	0.0	-0.6	0.0	0.0	0.0	0.3	.35	0.0	0.0	1.0	0.0	-0.5	0.0
		10	-0.1	0.0	-1.4	0.0	0.0	0.0	0.7	.4	-0.1	0.0	2.3	0.0	-1.2	0.0
		11	0.2	0.0	-1.4	0.0	0.0	0.0	0.7	.35	0.2	0.0	2.3	0.0	-1.3	0.0
		12	0.0	0.0	-1.4	0.0	0.0	0.0	0.7	.35	0.0	0.0	2.3	0.0	-1.2	0.0
		13	0.1	0.0	-1.4	0.0	0.0	0.0	0.7	.35	0.1	0.0	2.3	0.0	-1.3	0.0
		14	-0.1	0.0	-1.4	0.0	0.0	0.0	0.7	.4	-0.1	0.0	2.3	0.0	-1.2	0.0
		15	0.2	0.0	-1.4	0.0	0.0	0.0	0.7	.35	0.2	0.0	2.3	0.0	-1.3	0.0
		16	0.0	0.0	-1.4	0.0	0.0	0.0	0.7	.35	0.0	0.0	2.3	0.0	-1.3	0.0
		17	0.1	0.0	-1.4	0.0	0.0	0.0	0.7	.35	0.1	0.0	2.3	0.0	-1.3	0.0
		18	-0.1	0.0	-0.6	0.0	0.0	0.0	0.3	.4	-0.1	0.0	1.0	0.0	-0.5	0.0
		19	0.1	0.0	-0.6	0.0	0.0	0.0	0.3	.35	0.1	0.0	1.0	0.0	-0.6	0.0
		20	0.0	0.0	-0.6	0.0	0.0	0.0	0.3	.4	0.0	0.0	1.0	0.0	-0.5	0.0
		21	0.1	0.0	-0.6	0.0	0.0	0.0	0.3	.35	0.1	0.0	1.0	0.0	-0.6	0.0
		22	-0.1	0.0	-0.6	0.0	0.0	0.0	0.3	.4	-0.1	0.0	1.0	0.0	-0.5	0.0
		23	0.1	0.0	-0.6	0.0	0.0	0.0	0.3	.35	0.1	0.0	1.0	0.0	-0.6	0.0
		24	-0.1	0.0	-0.6	0.0	0.0	0.0	0.3	.4	-0.1	0.0	1.0	0.0	-0.5	0.0
		25	0.1	0.0	-0.6	0.0	0.0	0.0	0.3	.35	0.1	0.0	1.0	0.0	-0.6	0.0
C-4-B-5	1	1	0.6	0.0	-1.1	0.0	-0.3	0.0	0.4	.4	0.6	0.0	1.5	0.0	-0.9	0.0
		2	1.0	0.0	-1.7	0.0	-0.5	0.0	0.6	.45	1.0	0.0	2.3	0.0	-1.4	-0.1
		3	1.9	0.0	-3.4	0.0	-0.9	0.0	1.2	.45	1.9	0.0	4.6	0.0	-2.7	-0.1
		4	1.0	0.0	-1.7	0.0	-0.5	0.0	0.6	.45	1.0	0.0	2.3	0.0	-1.4	-0.1
		5	0.9	0.0	-1.7	0.0	-0.5	0.0	0.6	.4	0.9	0.0	2.3	0.0	-1.4	-0.1
		6	0.6	0.0	-1.0	0.0	-0.3	0.0	0.3	.45	0.6	0.0	1.3	0.0	-0.8	0.0
		7	0.6	0.0	-1.0	0.0	-0.3	0.0	0.3	.45	0.6	0.0	1.3	0.0	-0.8	0.0
		8	0.4	0.0	-0.7	0.0	-0.2	0.0	0.3	.45	0.4	0.0	1.0	0.0	-0.6	0.0
		9	0.4	0.0	-0.7	0.0	-0.2	0.0	0.3	.4	0.4	0.0	1.0	0.0	-0.6	0.0
		10	1.5	0.0	-1.9	0.0	-0.7	0.0	0.6	.45	1.5	0.0	2.2	0.0	-1.2	0.0
		11	0.4	0.0	-1.6	0.0	-0.2	0.1	0.7	.4	0.4	0.0	2.5	0.0	-1.6	-0.1
		12	1.8	0.0	-2.0	0.0	-0.8	0.0	0.6	.5	1.8	0.0	2.1	0.0	-1.0	0.0
		13	0.1	0.0	-1.5	0.0	-0.1	0.0	0.7	.35	0.1	0.0	2.6	0.0	-1.8	-0.1
		14	0.6	0.0	-1.6	0.0	-0.3	0.0	0.6	.4	0.6	0.0	2.4	0.0	-1.5	0.0
		15	1.3	0.0	-1.8	0.0	-0.6	0.0	0.6	.45	1.3	0.0	2.2	0.0	-1.2	-0.1
		16	0.2	0.0	-1.5	0.0	-0.2	0.0	0.7	.35	0.2	0.0	2.6	0.0	-1.7	0.0
		17	1.7	0.0	-1.9	0.0	-0.8	0.0	0.6	.5	1.7	0.0	2.1	0.0	-1.0	-0.1
		18	0.9	0.0	-0.9	0.0	-0.4	0.0	0.2	.5	0.9	0.0	0.8	0.0	-0.4	0.0
		19	-0.1	0.0	-0.6	0.0	0.0	0.0	0.3	.35	-0.1	0.0	1.1	0.0	-0.8	0.0
		20	1.2	0.0	-1.0	0.0	-0.5	0.0	0.3	.55	1.2	0.0	0.7	0.0	-0.2	0.0
		21	-0.4	0.0	-0.5	0.0	0.2	0.0	0.3	.3	-0.4	0.0	1.2	0.0	-1.0	0.0
		22	0.1	0.0	-0.6	0.0	-0.1	0.0	0.3	.35	0.1	0.0	1.1	0.0	-0.8	0.0
		23	0.7	0.0	-0.8	0.0	-0.3	0.0	0.3	.5	0.7	0.0	0.9	0.0	-0.4	0.0
		24	-0.3	0.0	-0.5	0.0	0.1	0.0	0.3	.3	-0.3	0.0	1.2	0.0	-0.9	0.0
		25	1.1	0.0	-0.9	0.0	-0.5	0.0	0.3	.55	1.1	0.0	0.8	0.0	-0.3	0.0
C-4-E-6	1	1	1.2	0.0	-1.9	0.0	-1.3	0.0	0.7	.55	1.2	0.0	1.5	0.0	-0.5	0.0
		2	1.9	0.0	-2.9	0.0	-2.0	0.0	1.1	.55	1.9	0.0	2.3	0.0	-0.8	0.0
		3	3.7	0.0	-5.7	0.0	-4.0	0.0	2.1	.55	3.7	0.0	4.5	0.0	-1.7	0.0
		4	1.9	0.0	-2.9	0.0	-2.0	0.0	1.1	.55	1.9	0.0	2.3	0.0	-0.8	0.0
		5	1.9	0.0	-2.9	0.0	-2.0	0.0	1.1	.55	1.9	0.0	2.3	0.0	-0.8	0.0
		6	1.0	0.0	-1.6	0.0	-1.1	0.0	0.6	.55	1.0	0.0	1.3	0.0	-0.5	0.0
		7	1.0	0.0	-1.6	0.0	-1.1	0.0	0.6	.55	1.0	0.0	1.3	0.0	-0.5	0.0
		8	0.8	0.0	-1.2	0.0	-0.9	0.0	0.4	.55	0.8	0.0	1.0	0.0	-0.4	0.0
		9	0.8	0.0	-1.2	0.0	-0.9	0.0	0.4	.55	0.8	0.0	1.0	0.0	-0.4	0.0
		10	1.9	0.0	-3.0	0.0	-2.1	0.0	1.1	.55	1.9	0.0	2.2	0.0	-0.8	-0.1
		11	1.9	-0.1	-2.9	0.0	-2.0	-0.1	1.1	.55	1.9	-0.1	2.3	0.0	-0.9	0.2
		12	1.9	0.0	-2.9	0.0	-2.1	0.0	1.1	.55	1.9	0.0	2.2	0.0	-0.8	-0.1
		13	1.9	-0.1	-2.9	0.0	-2.0	-0.1	1.1	.55	1.9	-0.1	2.3	0.0	-0.9	0.2
		14	2.0	0.0	-2.9	0.0	-2.1	0.0	1.1	.55	2.0	0.0	2.3	0.0	-0.8	0.0
		15	1.8	0.0	-2.9	0.0	-2.0	0.0	1.1	.55	1.8	0.0	2.3	0.0	-0.9	0.1
		16	2.0	0.0	-2.9	0.0	-2.0	0.0	1.1	.55	2.0	0.0	2.3	0.0	-0.8	0.1
		17	1.8	0.0	-2.9	0.0	-2.0	0.0	1.1	.55	1.8	0.0	2.3	0.0	-0.8	0.0
		18	0.8	0.1	-1.3	0.0	-0.9	0.1	0.5	.6	0.8	0.1	0.9	0.0	-0.3	-0.1
		19	0.8	-0.1	-1.2	0.0	-0.8	-0.1	0.4	.55	0.8	-0.1	1.0	0.0	-0.4	0.2
		20	0.8	0.0	-1.3	0.0	-0.9	0.1	0.5	.6	0.8	0.0	0.9	0.0	-0.3	-0.1
		21	0.8	-0.1	-1.2	0.0	-0.8	-0.1	0.4	.55	0.8	-0.1	1.0	0.0	-0.4	0.1
		22	0.9	0.0	-1.2	0.0	-0.9	0.0	0.5	.55	0.9	0.0	0.9	0.0	-0.3	0.0
		23	0.7	0.0	-1.2	0.0	-0.8	0.0	0.4	.55	0.7	0.0	1.0	0.0	-0.4	0.1
		24	0.9	0.0	-1.2	0.0	-0.9	0.0	0.4	.55	0.9	0.0	1.0	0.0	-0.4	0.0
		25	0.7	0.0	-1.2	0.0	-0.9	0.0	0.4	.55	0.7	0.0	1.0	0.0	-0.4	0.0

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
B-7-C-8	1	1	0.6	0.0	-1.5	0.0	-0.9	0.0	0.4	.6	0.6	0.0	1.1	0.0	-0.3	0.0
		2	1.0	0.0	-2.3	0.0	-1.4	-0.1	0.6	.55	1.0	0.0	1.7	0.0	-0.5	0.0
		3	1.9	0.0	-4.6	0.0	-2.7	-0.1	1.2	.55	1.9	0.0	3.4	0.0	-0.9	0.0
		4	1.0	0.0	-2.3	0.0	-1.4	-0.1	0.6	.55	1.0	0.0	1.7	0.0	-0.5	0.0
		5	0.9	0.0	-2.4	0.0	-1.4	-0.1	0.6	.6	0.9	0.0	1.7	0.0	-0.5	0.0
		6	0.6	0.0	-1.3	0.0	-0.8	0.0	0.3	.55	0.6	0.0	1.0	0.0	-0.3	0.0
		7	0.6	0.0	-1.3	0.0	-0.8	0.0	0.3	.55	0.6	0.0	1.0	0.0	-0.3	0.0
		8	0.4	0.0	-1.0	0.0	-0.6	0.0	0.3	.55	0.4	0.0	0.7	0.0	-0.2	0.0
		9	0.4	0.0	-1.0	0.0	-0.6	0.0	0.3	.6	0.4	0.0	0.7	0.0	-0.2	0.0
		10	0.1	0.0	-2.6	0.0	-1.8	-0.1	0.7	.65	0.1	0.0	1.5	0.0	-0.1	0.0
		11	1.8	0.0	-2.1	0.0	-1.0	0.0	0.6	.5	1.8	0.0	2.0	0.0	-0.8	0.0
		12	0.5	0.0	-2.5	0.0	-1.6	-0.1	0.7	.6	0.5	0.0	1.6	0.0	-0.2	0.1
		13	1.5	0.0	-2.2	0.0	-1.2	0.0	0.6	.55	1.5	0.0	1.9	0.0	-0.7	0.0
		14	0.2	0.0	-2.6	0.0	-1.7	0.0	0.7	.65	0.2	0.0	1.5	0.0	-0.2	0.0
		15	1.7	0.0	-2.1	0.0	-1.1	-0.1	0.6	.5	1.7	0.0	1.9	0.0	-0.8	0.0
		16	0.6	0.0	-2.4	0.0	-1.6	0.0	0.6	.6	0.6	0.0	1.6	0.0	-0.3	0.0
		17	1.3	0.0	-2.2	0.0	-1.2	-0.1	0.6	.55	1.3	0.0	1.8	0.0	-0.6	0.0
		18	-0.4	0.0	-1.2	0.0	-1.0	0.0	0.3	.7	-0.4	0.0	0.5	0.0	0.2	0.0
		19	1.2	0.0	-0.7	0.0	-0.2	0.0	0.3	.45	1.2	0.0	1.0	0.0	-0.5	0.0
		20	-0.1	0.0	-1.1	0.0	-0.8	0.0	0.3	.65	-0.1	0.0	0.6	0.0	0.0	0.0
		21	0.9	0.0	-0.8	0.0	-0.4	0.0	0.2	.5	0.9	0.0	0.9	0.0	-0.4	0.0
		22	-0.3	0.0	-1.2	0.0	-0.9	0.0	0.3	.7	-0.3	0.0	0.5	0.0	0.1	0.0
		23	1.1	0.0	-0.8	0.0	-0.3	0.0	0.3	.45	1.1	0.0	0.9	0.0	-0.5	0.0
		24	0.1	0.0	-1.1	0.0	-0.8	0.0	0.3	.65	0.1	0.0	0.6	0.0	-0.1	0.0
		25	0.7	0.0	-0.9	0.0	-0.4	0.0	0.3	.5	0.7	0.0	0.8	0.0	-0.3	0.0
E-6-C-8	1	1	1.2	0.0	-1.5	0.0	-0.6	0.0	0.7	.45	1.2	0.0	1.9	0.0	-1.3	0.0
		2	1.9	0.0	-2.3	0.0	-0.8	0.0	1.1	.45	1.9	0.0	2.9	0.0	-2.0	0.0
		3	3.7	0.0	-4.5	0.0	-1.7	0.0	2.1	.45	3.7	0.0	5.7	0.0	-4.0	0.0
		4	1.9	0.0	-2.3	0.0	-0.8	0.0	1.1	.45	1.9	0.0	2.9	0.0	-2.0	0.0
		5	1.9	0.0	-2.3	0.0	-0.8	0.0	1.1	.45	1.9	0.0	2.9	0.0	-2.0	0.0
		6	1.0	0.0	-1.3	0.0	-0.5	0.0	0.6	.45	1.0	0.0	1.6	0.0	-1.1	0.0
		7	1.1	0.0	-1.3	0.0	-0.5	0.0	0.6	.45	1.1	0.0	1.6	0.0	-1.1	0.0
		8	0.8	0.0	-1.0	0.0	-0.4	0.0	0.5	.45	0.8	0.0	1.2	0.0	-0.9	0.0
		9	0.8	0.0	-1.0	0.0	-0.4	0.0	0.5	.45	0.8	0.0	1.2	0.0	-0.9	0.0
		10	1.9	0.1	-2.3	0.0	-0.9	0.2	1.1	.45	1.9	0.1	2.9	0.0	-2.0	-0.1
		11	1.9	0.0	-2.3	0.0	-0.8	-0.1	1.1	.45	1.9	0.0	3.0	0.0	-2.1	0.0
		12	1.9	0.1	-2.3	0.0	-0.9	0.2	1.1	.45	1.9	0.1	2.9	0.0	-2.0	-0.1
		13	1.9	0.0	-2.2	0.0	-0.8	-0.1	1.1	.45	1.9	0.0	2.9	0.0	-2.0	0.0
		14	2.0	0.0	-2.3	0.0	-0.8	0.1	1.1	.45	2.0	0.0	2.9	0.0	-2.0	0.0
		15	1.8	0.0	-2.3	0.0	-0.8	0.0	1.1	.45	1.8	0.0	2.9	0.0	-2.0	0.0
		16	2.0	0.0	-2.3	0.0	-0.8	0.0	1.1	.45	2.0	0.0	2.9	0.0	-2.1	0.0
		17	1.8	0.0	-2.3	0.0	-0.9	0.1	1.1	.45	1.8	0.0	2.9	0.0	-2.0	0.0
		18	0.8	0.1	-1.0	0.0	-0.4	0.1	0.4	.45	0.8	0.1	1.2	0.0	-0.8	-0.1
		19	0.8	0.0	-0.9	0.0	-0.3	-0.1	0.5	.4	0.8	0.0	1.3	0.0	-0.9	0.1
		20	0.8	0.1	-1.0	0.0	-0.4	0.2	0.4	.45	0.8	0.1	1.2	0.0	-0.8	-0.1
		21	0.8	-0.1	-0.9	0.0	-0.3	-0.1	0.5	.4	0.8	-0.1	1.3	0.0	-0.9	0.1
		22	0.9	0.0	-1.0	0.0	-0.4	0.0	0.5	.45	0.9	0.0	1.2	0.0	-0.9	0.0
		23	0.7	0.0	-1.0	0.0	-0.4	0.0	0.5	.45	0.7	0.0	1.2	0.0	-0.9	0.0
		24	0.9	0.0	-0.9	0.0	-0.3	0.0	0.5	.45	0.9	0.0	1.2	0.0	-0.9	0.0
		25	0.7	0.0	-1.0	0.0	-0.4	0.1	0.4	.45	0.7	0.0	1.2	0.0	-0.8	0.0
C-8-B-9	1	1	0.0	0.0	-1.5	0.0	-0.8	0.0	0.5	.65	0.0	0.0	0.9	0.0	0.0	0.0
		2	0.0	0.0	-2.3	0.0	-1.3	0.0	0.7	.65	0.0	0.0	1.4	0.0	0.0	0.0
		3	0.1	0.0	-4.6	0.0	-2.5	0.0	1.4	.65	0.1	0.0	2.7	0.0	0.0	0.0
		4	0.0	0.0	-2.3	0.0	-1.3	0.0	0.7	.65	0.0	0.0	1.4	0.0	0.0	0.0
		5	0.0	0.0	-2.3	0.0	-1.3	0.0	0.7	.65	0.0	0.0	1.4	0.0	0.0	0.0
		6	0.0	0.0	-1.3	0.0	-0.7	0.0	0.4	.65	0.0	0.0	0.8	0.0	0.0	0.0
		7	0.0	0.0	-1.3	0.0	-0.7	0.0	0.4	.65	0.0	0.0	0.8	0.0	0.0	0.0
		8	0.0	0.0	-1.0	0.0	-0.5	0.0	0.3	.65	0.0	0.0	0.6	0.0	0.0	0.0
		9	0.0	0.0	-1.0	0.0	-0.5	0.0	0.3	.65	0.0	0.0	0.6	0.0	0.0	0.0
		10	0.1	0.0	-2.3	0.0	-1.3	0.0	0.7	.65	0.1	0.0	1.4	0.0	0.0	0.0
		11	0.0	0.0	-2.3	0.0	-1.2	0.0	0.7	.65	0.0	0.0	1.4	0.0	0.0	0.0
		12	0.2	0.0	-2.3	0.0	-1.3	0.0	0.7	.65	0.2	0.0	1.4	0.0	0.0	0.0
		13	-0.1	0.0	-2.3	0.0	-1.2	0.0	0.7	.6	-0.1	0.0	1.4	0.0	0.0	0.0
		14	0.0	0.0	-2.3	0.0	-1.2	0.0	0.7	.65	0.0	0.0	1.4	0.0	0.0	0.0
		15	0.1	0.0	-2.3	0.0	-1.3	0.0	0.7	.65	0.1	0.0	1.4	0.0	0.0	0.0
		16	-0.1	0.0	-2.3	0.0	-1.2	0.0	0.7	.6	-0.1	0.0	1.4	0.0	0.0	0.0
		17	0.2	0.0	-2.3	0.0	-1.3	0.0	0.7	.65	0.2	0.0	1.4	0.0	0.0	0.0
		18	0.1	0.0	-1.0	0.0	-0.6	0.0	0.3	.65	0.1	0.0	0.6	0.0	0.0	0.0
		19	0.0	0.0	-1.0	0.0	-0.5	0.0	0.3	.6	0.0	0.0	0.6	0.0	0.0	0.0
		20	0.1	0.0	-1.0	0.0	-0.6	0.0	0.3	.65	0.1	0.0	0.6	0.0	0.0	0.0
		21	-0.1	0.0	-1.0	0.0	-0.5	0.0	0.3	.6	-0.1	0.0	0.6	0.0	0.0	0.0
		22	-0.1	0.0	-1.0	0.0	-0.5	0.0	0.3	.6	-0.1	0.0	0.6	0.0	0.0	0.0
		23	0.1	0.0	-1.0	0.0	-0.5	0.0	0.3	.65	0.1	0.0	0.6	0.0	0.0	0.0
		24	-0.1	0.0	-1.0	0.0	-0.5	0.0	0.3	.6	-0.1	0.0	0.6	0.0	0.0	0.0
		25	0.1	0.0	-1.0	0.0	-0.6	0.0	0.3	.65	0.1	0.0	0.6	0.0	0.0	0.0

Company: EVALUACION ESTRUCTURAL SAS **Engineer: ANTONIO JOSE FUERTES C.**
Project: ACCESO NORTE - BAÑOS HACIENDA EL CARMEN **11:17:58 a.m. 30/01/2023**

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
B-10-A-11																
	1	1	2.0	0.0	-3.9	0.0	-2.8	0.0	1.8	.5	2.0	0.0	3.9	0.0	-2.8	0.0
		2	2.4	0.0	-5.3	0.0	-3.8	0.0	2.4	.5	2.4	0.0	5.3	0.0	-3.8	0.0
		3	4.9	0.0	-9.4	0.0	-6.8	0.0	4.4	.5	4.9	0.0	9.4	0.0	-6.8	0.0
		4	2.4	0.0	-5.3	0.0	-3.8	0.0	2.4	.5	2.4	0.0	5.3	0.0	-3.8	0.0
		5	2.9	0.0	-5.3	0.0	-3.8	0.0	2.4	.5	2.9	0.0	5.3	0.0	-3.8	0.0
		6	1.3	0.0	-3.4	0.0	-2.5	0.0	1.5	.5	1.3	0.0	3.4	0.0	-2.4	0.0
		7	1.5	0.0	-3.4	0.0	-2.5	0.0	1.5	.5	1.5	0.0	3.4	0.0	-2.4	0.0
		8	1.1	0.0	-2.5	0.0	-1.9	0.0	1.2	.5	1.1	0.0	2.5	0.0	-1.8	0.0
		9	1.5	0.0	-2.5	0.0	-1.8	0.0	1.2	.5	1.5	0.0	2.5	0.0	-1.8	0.0
		10	3.4	0.0	-5.4	0.0	-4.0	0.0	2.5	.5	3.4	0.0	5.2	0.0	-3.5	0.0
		11	2.0	0.0	-5.2	0.0	-3.5	0.0	2.4	.5	2.0	0.0	5.4	0.0	-4.1	0.0
		12	3.6	0.0	-5.5	0.0	-4.4	0.0	2.5	.55	3.6	0.0	5.0	0.0	-3.1	0.0
		13	1.9	0.0	-5.0	0.0	-3.2	0.0	2.4	.45	1.9	0.0	5.5	0.0	-4.5	0.0
		14	2.7	0.0	-5.0	0.0	-3.3	0.0	2.4	.5	2.7	0.0	5.5	0.0	-4.4	0.0
		15	2.7	0.0	-5.5	0.0	-4.3	0.0	2.5	.5	2.7	0.0	5.0	0.0	-3.2	0.0
		16	2.2	0.0	-4.9	0.0	-3.0	0.0	2.4	.45	2.2	0.0	5.6	0.0	-4.7	0.0
		17	3.2	0.0	-5.6	0.0	-4.6	0.0	2.5	.55	3.2	0.0	4.9	0.0	-2.9	0.0
		18	2.0	0.0	-2.6	0.0	-2.1	0.0	1.2	.5	2.0	0.0	2.4	0.0	-1.5	0.0
		19	0.6	0.0	-2.4	0.0	-1.6	0.0	1.2	.5	0.6	0.0	2.6	0.0	-2.1	0.0
		20	2.2	0.0	-2.8	0.0	-2.5	0.0	1.2	.55	2.2	0.0	2.2	0.0	-1.1	0.0
		21	0.5	0.0	-2.2	0.0	-1.2	0.0	1.2	.45	0.5	0.0	2.8	0.0	-2.5	0.0
		22	1.3	0.0	-2.3	0.0	-1.3	0.0	1.2	.45	1.3	0.0	2.8	0.0	-2.4	0.0
		23	1.3	0.0	-2.8	0.0	-2.3	0.0	1.2	.55	1.3	0.0	2.3	0.0	-1.2	0.0
		24	0.8	0.0	-2.2	0.0	-1.0	0.0	1.2	.45	0.8	0.0	2.9	0.0	-2.7	0.0
		25	1.8	0.0	-2.9	0.0	-2.6	0.0	1.3	.55	1.8	0.0	2.2	0.0	-0.9	0.0
A-1-B-2	2	1	0.4	0.0	-0.6	0.0	-0.4	0.0	0.3	.5	0.2	0.0	0.7	0.0	-0.5	0.0
		2	1.0	0.0	-1.9	0.0	-1.1	0.0	1.1	.5	0.4	0.0	1.9	0.0	-1.3	0.0
		3	1.1	0.0	-1.5	0.0	-1.0	0.0	0.8	.5	0.6	0.0	1.6	0.0	-1.1	0.0
		4	1.0	0.0	-1.8	0.0	-1.1	0.0	1.1	.5	0.4	0.0	1.9	0.0	-1.2	0.0
		5	0.4	0.0	-0.4	0.0	-0.3	0.0	0.1	.5	0.3	0.0	0.4	0.0	-0.4	0.0
		6	1.0	0.0	-2.1	0.0	-1.2	0.0	1.2	.5	0.3	0.0	2.1	0.0	-1.3	0.0
		7	0.7	0.0	-1.3	0.0	-0.8	0.0	0.8	.5	0.2	0.0	1.4	0.0	-0.9	0.0
		8	0.6	0.0	-1.1	0.0	-0.7	0.0	0.7	.5	0.2	0.0	1.2	0.0	-0.7	0.0
		9	0.0	0.0	0.3	0.0	0.2	0.0	0.2	0.0	0.1	0.0	-0.3	0.0	0.1	0.0
		10	1.1	0.0	-1.2	0.0	-1.6	0.0	0.5	.7	0.8	0.0	0.5	0.0	0.1	0.0
		11	0.1	0.0	-0.5	0.0	0.5	0.0	0.8	.3	-0.2	0.0	1.3	0.0	-1.4	0.0
		12	1.2	0.0	-1.0	0.0	-0.9	0.0	0.4	.55	0.9	0.0	0.8	0.0	-0.3	0.0
		13	0.0	0.0	-0.7	0.0	-0.2	0.0	0.5	.4	-0.3	0.0	1.1	0.0	-1.0	0.0
		14	0.7	0.0	-1.3	0.0	-1.9	0.0	0.5	.75	0.4	0.0	0.4	0.0	0.2	0.0
		15	0.5	0.0	-0.4	0.0	0.8	0.0	1.0	.25	0.2	0.0	1.4	0.0	-1.5	0.0
		16	0.4	0.0	-1.2	0.0	-1.5	0.0	0.4	.65	0.1	0.0	0.6	0.0	-0.1	0.0
		17	0.8	0.0	-0.6	0.0	0.4	0.0	0.8	.3	0.6	0.0	1.2	0.0	-1.2	0.0
		18	0.8	0.0	-0.8	0.0	-1.3	0.0	0.4	.95	0.7	0.0	0.1	0.0	0.4	0.0
		19	-0.2	0.0	0.0	0.0	0.8	0.0	0.8	.05	-0.4	0.0	0.8	0.0	-1.1	0.0
		20	0.9	0.0	-0.5	0.0	-0.6	0.0	0.2	.65	0.7	0.0	0.3	0.0	0.0	0.0
		21	-0.3	0.0	-0.3	0.0	0.1	0.0	0.3	.3	-0.4	0.0	0.6	0.0	-0.6	0.0
		22	0.4	0.0	-0.9	0.0	-1.6	0.0	0.6	1.0	0.2	0.0	0.0	0.0	0.6	0.0
		23	0.2	0.0	0.1	0.0	1.1	0.0	1.1	0.0	0.1	0.0	0.9	0.0	-1.2	0.0
		24	0.0	0.0	-0.7	0.0	-1.2	0.0	0.3	.85	-0.1	0.0	0.1	0.0	0.2	0.0
		25	0.5	0.0	-0.1	0.0	0.7	0.0	0.7	.1	0.4	0.0	0.7	0.0	-0.9	0.0
B-3-C-4	2	1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.1	0.0	0.0	0.0
		2	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.6	0.0	0.0	0.0	0.0	0.0	0.0
		3	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.55	0.0	0.0	0.1	0.0	0.0	0.0
		4	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.6	0.0	0.0	0.0	0.0	0.0	0.0
		5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.4	0.0	0.0	0.1	0.0	0.0	0.0
		6	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.65	0.0	0.0	0.0	0.0	0.0	0.0
		7	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.1	0.0	0.0	0.0
		8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.0	0.0	0.0	0.0
		9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.3	0.0	0.0	0.1	0.0	0.0	0.0
		10	0.2	0.0	0.0	0.0	0.0	0.0	0.0	.4	0.2	0.0	0.1	0.0	0.0	0.0
		11	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	.55	-0.2	0.0	0.1	0.0	0.0	0.0
		12	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.2	0.0	0.1	0.0	0.0	0.0
		13	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	.5	-0.2	0.0	0.1	0.0	0.0	0.0
		14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.35	0.0	0.0	0.1	0.0	0.0	0.0
		15	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.6	0.0	0.0	0.0	0.0	0.0	0.0
		16	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	.4	-0.1	0.0	0.1	0.0	0.0	0.0
		17	0.1	0.0	-0.1	0.0	0.0	0.0	0.1	.6	0.1	0.0	0.0	0.0	0.0	0.0
		18	0.2	0.0	0.0	0.0	0.0	0.0	0.0	.35	0.2	0.0	0.1	0.0	0.0	0.0
		19	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	.55	-0.2	0.0	0.0	0.0	0.0	0.0
		20	0.2	0.0	0.0	0.0	0.0	0.0	0.0	.45	0.2	0.0	0.0	0.0	0.0	0.0
		21	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	.45	-0.2	0.0	0.0	0.0	0.0	0.0
		22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.3	0.0	0.0	0.1	0.0	-0.1	0.0
		23	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.6	0.0	0.0	0.0	0.0	0.0	0.0
		24	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	.3	-0.1	0.0	0.1	0.0	0.0	0.0
		25	0.1	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.1	0.0	0.0	0.0	0.0	0.0

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
C-4-B-5	2	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.4	0.0
		2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.8	0.0
		3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.6	0.0
		4	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.7	0.0
		5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.8	0.0
		7	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.6	0.0
		8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.5	0.0
		9	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.7	0.0	0.0	0.0	0.0	0.0	0.0
		10	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.1	0.0	-0.3	0.0
		11	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	-0.6	0.0
		12	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.2	0.0	-0.3	0.0
		13	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	-0.5	0.0
		14	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	-0.3	0.0
		15	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	-0.5	0.0
		16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.4	0.0
		17	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.5	0.0
		18	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.1	0.0	-0.1	0.0
		19	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	-0.4	0.0
		20	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.1	0.0	-0.1	0.0
		21	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	-0.3	0.0
		22	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	-0.1	0.0
		23	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	-0.3	0.0
		24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.2	0.0
		25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.3	0.0
B-7-C-8	2	1	0.0	0.0	-0.2	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		2	0.0	0.0	-0.3	0.0	-0.8	0.0	0.0	1.0	0.0	0.0	-0.2	0.0	0.0	0.0
		3	0.0	0.0	-0.3	0.0	-0.6	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		4	0.0	0.0	-0.3	0.0	-0.7	0.0	0.0	1.0	0.0	0.0	-0.2	0.0	0.0	0.0
		5	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		6	0.0	0.0	-0.3	0.0	-0.8	0.0	0.0	1.0	0.0	0.0	-0.2	0.0	0.0	0.0
		7	0.0	0.0	-0.2	0.0	-0.6	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		8	0.0	0.0	-0.2	0.0	-0.5	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.3	0.0	0.0	0.1	0.0	0.0	0.0
		10	0.2	0.0	-0.2	0.0	-0.5	0.0	0.0	0.0	0.2	0.0	-0.1	0.0	0.0	0.0
		11	-0.2	0.0	-0.2	0.0	-0.3	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0
		12	0.2	0.0	-0.3	0.0	-0.6	0.0	0.0	1.0	0.2	0.0	-0.1	0.0	0.0	0.0
		13	-0.2	0.0	-0.1	0.0	-0.3	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0
		14	0.0	0.0	-0.2	0.0	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		15	0.0	0.0	-0.2	0.0	-0.5	0.0	0.0	1.0	0.0	0.0	-0.1	0.0	0.0	0.0
		16	-0.1	0.0	-0.1	0.0	-0.3	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		17	0.1	0.0	-0.2	0.0	-0.5	0.0	0.0	1.0	0.1	0.0	-0.1	0.0	0.0	0.0
		18	0.2	0.0	-0.2	0.0	-0.3	0.0	0.0	0.0	0.2	0.0	-0.1	0.0	0.0	0.0
		19	-0.2	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0
		20	0.2	0.0	-0.2	0.0	-0.4	0.0	0.0	1.0	0.2	0.0	-0.1	0.0	0.0	0.0
		21	-0.2	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0
		22	0.0	0.0	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		23	0.0	0.0	-0.1	0.0	-0.3	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		24	-0.1	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		25	0.1	0.0	-0.2	0.0	-0.3	0.0	0.0	1.0	0.1	0.0	-0.1	0.0	0.0	0.0
C-8-B-9	2	1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.1	0.0	0.0	0.0
		2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	.4	0.0	0.0	0.1	0.0	0.0	0.0
		3	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.45	0.0	0.0	0.1	0.0	0.0	0.0
		4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	.4	0.0	0.0	0.1	0.0	0.0	0.0
		5	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.6	0.0	0.0	0.0	0.0	0.0	0.0
		6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	.35	0.0	0.0	0.1	0.0	0.0	0.0
		7	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.1	0.0	0.0	0.0
		8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.0	0.0	0.0	0.0
		9	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.7	0.0	0.0	0.0	0.0	0.0	0.0
		10	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	.5	-0.2	0.0	0.1	0.0	0.0	0.0
		11	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.2	0.0	0.1	0.0	0.0	0.0
		12	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	.45	-0.2	0.0	0.1	0.0	0.0	0.0
		13	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	.6	0.2	0.0	0.0	0.0	0.0	0.0
		14	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	.6	-0.1	0.0	0.0	0.0	0.0	0.0
		15	0.1	0.0	0.0	0.0	0.0	0.0	0.1	.4	0.1	0.0	0.1	0.0	0.0	0.0
		16	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.65	0.0	0.0	0.0	0.0	0.0	0.0
		17	0.0	0.0	0.0	0.0	0.0	0.0	0.1	.4	0.0	0.0	0.1	0.0	0.0	0.0
		18	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	.55	-0.2	0.0	0.0	0.0	0.0	0.0
		19	0.2	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.2	0.0	0.0	0.0	0.0	0.0
		20	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	.45	-0.2	0.0	0.0	0.0	0.0	0.0
		21	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	.65	0.2	0.0	0.0	0.0	0.0	0.0
		22	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	.7	-0.1	0.0	0.0	0.0	0.0	0.0
		23	0.1	0.0	0.0	0.0	0.0	0.0	0.0	.45	0.1	0.0	0.0	0.0	0.0	0.0
		24	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	.7	0.0	0.0	0.0	0.0	0.0	0.0
		25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.4	0.0	0.0	0.1	0.0	0.0	0.0

B-10-A-11

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
	2	1	0.2	0.0	-0.7	0.0	-0.5	0.0	0.3	.5	0.4	0.0	0.6	0.0	-0.4	0.0
		2	0.4	0.0	-1.9	0.0	-1.3	0.0	1.1	.5	1.0	0.0	1.9	0.0	-1.1	0.0
		3	0.6	0.0	-1.6	0.0	-1.1	0.0	0.8	.5	1.1	0.0	1.5	0.0	-1.0	0.0
		4	0.4	0.0	-1.9	0.0	-1.2	0.0	1.1	.5	1.0	0.0	1.8	0.0	-1.1	0.0
		5	0.3	0.0	-0.4	0.0	-0.4	0.0	0.1	.5	0.4	0.0	0.4	0.0	-0.3	0.0
		6	0.3	0.0	-2.1	0.0	-1.3	0.0	1.2	.5	1.0	0.0	2.1	0.0	-1.2	0.0
		7	0.2	0.0	-1.4	0.0	-0.9	0.0	0.8	.5	0.7	0.0	1.3	0.0	-0.8	0.0
		8	0.2	0.0	-1.2	0.0	-0.7	0.0	0.7	.5	0.6	0.0	1.1	0.0	-0.7	0.0
		9	0.1	0.0	0.3	0.0	0.1	0.0	0.2	1.0	0.0	0.0	-0.3	0.0	0.2	0.0
		10	-0.3	0.0	-1.1	0.0	-1.0	0.0	0.5	.6	0.0	0.0	0.7	0.0	-0.2	0.0
		11	0.9	0.0	-0.8	0.0	-0.3	0.0	0.4	.45	1.2	0.0	1.0	0.0	-0.9	0.0
		12	-0.2	0.0	-1.3	0.0	-1.4	0.0	0.8	.7	0.1	0.0	0.5	0.0	0.5	0.0
		13	0.8	0.0	-0.5	0.0	0.1	0.0	0.5	.3	1.1	0.0	1.2	0.0	-1.6	0.0
		14	0.1	0.0	-0.6	0.0	-0.1	0.0	0.4	.35	0.4	0.0	1.2	0.0	-1.5	0.0
		15	0.6	0.0	-1.2	0.0	-1.2	0.0	0.8	.7	0.8	0.0	0.6	0.0	0.4	0.0
		16	0.4	0.0	-0.4	0.0	0.2	0.0	0.5	.25	0.7	0.0	1.3	0.0	-1.9	0.0
		17	0.2	0.0	-1.4	0.0	-1.5	0.0	1.0	.75	0.5	0.0	0.4	0.0	0.8	0.0
		18	-0.4	0.0	-0.6	0.0	-0.6	0.0	0.3	.7	-0.3	0.0	0.3	0.0	0.1	0.0
		19	0.7	0.0	-0.3	0.0	0.0	0.0	0.2	.35	0.9	0.0	0.5	0.0	-0.6	0.0
		20	-0.4	0.0	-0.8	0.0	-1.1	0.0	0.8	.95	-0.2	0.0	0.0	0.0	0.8	0.0
		21	0.7	0.0	-0.1	0.0	0.4	0.0	0.4	.05	0.8	0.0	0.8	0.0	-1.3	0.0
		22	-0.1	0.0	-0.1	0.0	0.2	0.0	0.3	.15	0.0	0.0	0.7	0.0	-1.2	0.0
		23	0.4	0.0	-0.7	0.0	-0.9	0.0	0.7	.9	0.5	0.0	0.1	0.0	0.7	0.0
		24	0.2	0.0	0.0	0.0	0.6	0.0	0.6	0.0	0.4	0.0	0.9	0.0	-1.6	0.0
		25	0.1	0.0	-0.9	0.0	-1.2	0.0	1.1	1.0	0.2	0.0	-0.1	0.0	1.1	0.0

P-Delta Analysis- Support Reactions

Support		Load	Force (ton)			Moment (ton-m)		
Axis	Floor	LdComb	Fx	Fy	Fz	Mx	My	Mz
A-1	0	1	1.91	1.80	5.04	0.12	0.52	0.00
		2	2.42	2.32	7.55	0.16	0.65	0.00
		3	4.53	4.30	11.36	0.29	1.23	0.00
		4	2.43	2.33	7.48	0.16	0.66	0.00
		5	2.59	2.44	6.05	0.16	0.71	0.00
		6	1.47	1.43	5.82	0.10	0.39	0.00
		7	1.55	1.48	5.11	0.10	0.42	0.00
		8	1.15	1.10	3.95	0.08	0.31	0.00
		9	1.31	1.21	2.53	0.08	0.36	0.00
		10	2.99	2.40	8.33	-0.57	1.15	0.00
		11	2.08	2.39	4.78	0.89	0.23	0.00
		12	2.85	1.96	8.08	0.52	1.13	0.00
		13	2.22	2.84	5.03	-0.20	0.26	0.00
		14	2.88	3.08	7.47	-1.71	0.87	0.00
		15	2.19	1.72	5.64	2.04	0.51	0.00
		16	2.65	3.21	6.48	-1.60	0.60	0.00
		17	2.42	1.59	6.63	1.93	0.78	0.00
		18	1.68	1.16	5.02	-0.65	0.79	0.00
		19	0.78	1.15	1.47	0.81	-0.13	0.00
		20	1.54	0.71	4.77	0.44	0.77	0.00
		21	0.91	1.60	1.72	-0.29	-0.10	0.00
		22	1.57	1.83	4.16	-1.80	0.51	0.00
		23	0.88	0.48	2.33	1.95	0.16	0.00
		24	1.34	1.96	3.17	-1.69	0.24	0.00
		25	1.11	0.34	3.32	1.84	0.43	0.00
A-2	0	1	-0.27	1.64	4.73	-0.02	-0.09	0.00
		2	-0.36	2.05	6.99	0.04	-0.12	0.00
		3	-0.65	3.97	10.25	-0.07	-0.22	0.00
		4	-0.36	2.06	6.92	0.03	-0.12	0.00
		5	-0.36	2.28	5.54	-0.07	-0.12	0.00
		6	-0.22	1.18	5.52	0.08	-0.08	0.00
		7	-0.22	1.29	4.82	0.03	-0.08	0.00
		8	-0.17	0.95	3.74	0.03	-0.06	0.00
		9	-0.18	1.16	2.35	-0.06	-0.06	0.00
		10	0.33	2.59	5.86	-0.47	0.41	0.00
		11	-1.05	1.81	6.19	0.40	-0.65	0.00
		12	0.38	2.01	4.67	0.61	0.44	0.00
		13	-1.11	2.39	7.38	-0.68	-0.68	0.00
		14	-0.24	3.20	7.78	-1.79	0.00	0.00
		15	-0.49	1.20	4.27	1.73	-0.24	0.00
		16	-0.67	3.14	8.24	-1.86	-0.33	0.00
		17	-0.06	1.26	3.81	1.79	0.08	0.00

Axis	Floor	LdComb	Fx	Fy	Fz	Mx	My	Mz
		18	0.52	1.44	2.88	-0.45	0.47	0.00
		19	-0.86	0.67	3.21	0.42	-0.59	0.00
		20	0.57	0.86	1.69	0.63	0.50	0.00
		21	-0.92	1.25	4.40	-0.66	-0.61	0.00
		22	-0.05	2.05	4.80	-1.78	0.06	0.00
		23	-0.30	0.06	1.29	1.75	-0.18	0.00
		24	-0.48	1.99	5.26	-1.84	-0.26	0.00
		25	0.13	0.12	0.83	1.81	0.15	0.00
B-2	0	1	-1.53	-3.42	9.51	0.41	-0.42	0.00
		2	-1.91	-4.35	14.58	0.60	-0.53	0.00
		3	-3.50	-8.22	22.10	0.96	-0.98	0.00
		4	-1.92	-4.37	14.43	0.60	-0.53	0.00
		5	-2.03	-4.69	11.57	0.52	-0.57	0.00
		6	-1.19	-2.60	11.16	0.43	-0.32	0.00
		7	-1.25	-2.76	9.73	0.39	-0.34	0.00
		8	-0.93	-2.04	7.55	0.30	-0.25	0.00
		9	-1.04	-2.36	4.68	0.22	-0.29	0.00
		10	-1.58	-3.80	12.51	0.04	-0.05	0.00
		11	-2.40	-5.36	12.63	1.05	-1.06	0.00
		12	-1.79	-4.86	14.03	1.15	-0.10	0.00
		13	-2.19	-4.30	11.12	-0.06	-1.01	0.00
		14	-1.56	-2.74	10.26	-1.29	-0.32	0.00
		15	-2.42	-6.42	14.88	2.38	-0.79	0.00
		16	-1.74	-2.89	9.84	-1.32	-0.61	0.00
		17	-2.24	-6.27	15.30	2.41	-0.50	0.00
		18	-0.58	-1.42	6.05	-0.24	0.23	0.00
		19	-1.39	-2.98	6.17	0.77	-0.78	0.00
		20	-0.78	-2.48	7.57	0.87	0.18	0.00
		21	-1.18	-1.93	4.66	-0.34	-0.72	0.00
		22	-0.55	-0.36	3.80	-1.57	-0.04	0.00
		23	-1.41	-4.04	8.43	2.10	-0.51	0.00
		24	-0.73	-0.51	3.39	-1.60	-0.33	0.00
		25	-1.23	-3.89	8.84	2.13	-0.22	0.00
A-4	0	1	-0.04	1.62	4.11	-0.07	-0.02	0.00
		2	-0.05	2.13	5.86	-0.07	-0.02	0.00
		3	-0.06	3.84	8.90	-0.17	-0.03	0.00
		4	-0.05	2.14	5.82	-0.08	-0.02	0.00
		5	-0.04	2.16	4.90	-0.10	-0.02	0.00
		6	-0.05	1.36	4.49	-0.03	-0.02	0.00
		7	-0.04	1.37	4.03	-0.05	-0.02	0.00
		8	-0.03	1.03	3.10	-0.03	-0.01	0.00
		9	-0.02	1.05	2.18	-0.06	-0.01	0.00
		10	0.76	2.35	6.46	-0.48	0.54	0.00
		11	-0.84	1.96	3.98	0.30	-0.58	0.00
		12	0.78	1.99	5.73	0.23	0.55	0.00
		13	-0.86	2.31	4.71	-0.42	-0.59	0.00
		14	0.16	2.75	6.70	-1.30	0.13	0.00
		15	-0.25	1.55	3.74	1.11	-0.17	0.00
		16	-0.32	2.74	6.18	-1.28	-0.21	0.00
		17	0.24	1.56	4.26	1.10	0.17	0.00
		18	0.77	1.24	3.88	-0.44	0.55	0.00
		19	-0.83	0.84	1.40	0.34	-0.57	0.00
		20	0.80	0.88	3.15	0.28	0.56	0.00
		21	-0.85	1.20	2.13	-0.37	-0.58	0.00
		22	0.18	1.64	4.12	-1.25	0.14	0.00
		23	-0.23	0.44	1.16	1.16	-0.16	0.00
		24	-0.31	1.63	3.60	-1.24	-0.20	0.00
		25	0.26	0.45	1.68	1.14	0.18	0.00
B-4	0	1	-0.19	-1.62	5.66	0.14	-0.05	0.00
		2	-0.32	-2.12	8.97	0.20	-0.08	0.00
		3	-0.65	-3.85	12.41	0.33	-0.16	0.00
		4	-0.32	-2.12	8.85	0.20	-0.08	0.00
		5	-0.31	-2.18	6.41	0.17	-0.08	0.00
		6	-0.18	-1.33	7.41	0.15	-0.04	0.00
		7	-0.17	-1.36	6.19	0.13	-0.04	0.00
		8	-0.13	-1.02	4.86	0.10	-0.03	0.00
		9	-0.12	-1.07	2.42	0.07	-0.03	0.00
		10	0.52	-1.88	7.59	-0.20	0.51	0.00
		11	-1.14	-2.43	6.94	0.57	-0.66	0.00
		12	0.52	-2.43	8.21	0.51	0.51	0.00
		13	-1.15	-1.88	6.31	-0.15	-0.67	0.00
		14	-0.07	-1.23	6.42	-1.02	0.10	0.00
		15	-0.56	-3.08	8.11	1.39	-0.25	0.00
		16	-0.57	-1.23	6.04	-1.01	-0.26	0.00
		17	-0.06	-3.08	8.49	1.37	0.10	0.00
		18	0.71	-0.77	3.97	-0.30	0.56	0.00

Axis	Floor	LdComb	Fx	Fy	Fz	Mx	My	Mz
		19	-0.95	-1.32	3.31	0.47	-0.61	0.00
		20	0.71	-1.32	4.59	0.42	0.56	0.00
		21	-0.96	-0.76	2.69	-0.24	-0.62	0.00
		22	0.12	-0.12	2.80	-1.12	0.14	0.00
		23	-0.36	-1.96	4.48	1.29	-0.20	0.00
		24	-0.38	-0.12	2.41	-1.10	-0.21	0.00
		25	0.13	-1.97	4.86	1.28	0.15	0.00
C-4	0	1	1.43	0.27	4.90	-0.42	0.48	0.00
		2	2.22	0.37	7.51	-0.63	0.75	0.00
		3	4.34	0.79	14.71	-1.27	1.47	0.00
		4	2.22	0.37	7.50	-0.63	0.75	0.00
		5	2.19	0.43	7.48	-0.65	0.74	0.00
		6	1.26	0.18	4.23	-0.33	0.43	0.00
		7	1.24	0.21	4.22	-0.35	0.42	0.00
		8	0.93	0.15	3.17	-0.26	0.32	0.00
		9	0.90	0.20	3.14	-0.28	0.30	0.00
		10	2.75	0.14	7.66	-0.45	1.03	0.00
		11	1.65	0.68	7.31	-0.84	0.46	0.00
		12	2.91	-0.19	7.76	-0.24	1.11	0.00
		13	1.49	1.01	7.22	-1.05	0.38	0.00
		14	2.12	0.82	7.40	-0.91	0.71	0.00
		15	2.28	0.00	7.57	-0.38	0.78	0.00
		16	1.74	1.08	7.27	-1.09	0.51	0.00
		17	2.66	-0.26	7.71	-0.20	0.97	0.00
		18	1.47	-0.10	3.33	-0.07	0.59	0.00
		19	0.37	0.45	2.97	-0.47	0.03	0.00
		20	1.63	-0.42	3.42	0.14	0.67	0.00
		21	0.21	0.77	2.88	-0.68	-0.05	0.00
		22	0.84	0.59	3.07	-0.53	0.27	0.00
		23	1.00	-0.24	3.24	-0.01	0.35	0.00
		24	0.46	0.85	2.93	-0.72	0.08	0.00
		25	1.38	-0.50	3.37	0.18	0.54	0.00
A-5	0	1	-0.01	1.57	4.05	-0.09	-0.01	0.00
		2	-0.02	2.03	5.98	-0.12	-0.01	0.00
		3	-0.03	3.80	8.93	-0.27	-0.01	0.00
		4	-0.02	2.03	5.93	-0.12	-0.01	0.00
		5	-0.02	2.15	4.81	-0.15	-0.01	0.00
		6	-0.01	1.22	4.64	-0.05	0.00	0.00
		7	-0.01	1.28	4.09	-0.06	0.00	0.00
		8	-0.01	0.95	3.16	-0.05	0.00	0.00
		9	-0.01	1.07	2.05	-0.07	0.00	0.00
		10	1.15	2.48	6.11	-0.52	0.65	0.00
		11	-1.18	1.74	4.30	0.24	-0.67	0.00
		12	1.16	2.40	5.63	-0.14	0.66	0.00
		13	-1.19	1.82	4.78	-0.14	-0.67	0.00
		14	0.32	2.35	6.20	-0.83	0.19	0.00
		15	-0.36	1.87	4.21	0.55	-0.20	0.00
		16	-0.38	2.15	5.80	-0.71	-0.21	0.00
		17	0.34	2.07	4.61	0.44	0.20	0.00
		18	1.16	1.38	3.51	-0.44	0.66	0.00
		19	-1.17	0.64	1.70	0.32	-0.66	0.00
		20	1.16	1.30	3.03	-0.06	0.66	0.00
		21	-1.18	0.72	2.18	-0.06	-0.67	0.00
		22	0.33	1.25	3.60	-0.75	0.19	0.00
		23	-0.35	0.77	1.61	0.63	-0.20	0.00
		24	-0.37	1.05	3.20	-0.63	-0.21	0.00
		25	0.35	0.97	2.01	0.52	0.20	0.00
B-5	0	1	-0.25	-0.90	6.79	0.03	-0.07	0.00
		2	-0.33	-0.96	10.22	0.03	-0.09	0.00
		3	-0.70	-1.74	16.63	-0.02	-0.20	0.00
		4	-0.33	-0.97	10.15	0.03	-0.09	0.00
		5	-0.39	-1.12	8.74	0.00	-0.11	0.00
		6	-0.16	-0.61	7.30	0.05	-0.04	0.00
		7	-0.19	-0.69	6.60	0.04	-0.05	0.00
		8	-0.13	-0.50	5.07	0.03	-0.04	0.00
		9	-0.19	-0.65	3.66	0.01	-0.05	0.00
		10	0.84	-0.68	9.36	-0.40	0.57	0.00
		11	-1.58	-1.45	9.10	0.42	-0.78	0.00
		12	0.92	-0.97	9.78	-0.03	0.59	0.00
		13	-1.66	-1.17	8.68	0.05	-0.80	0.00
		14	-0.12	-0.52	8.63	-0.67	0.07	0.00
		15	-0.61	-1.62	9.83	0.69	-0.28	0.00
		16	-0.87	-0.67	8.43	-0.53	-0.34	0.00
		17	0.14	-1.47	10.03	0.56	0.13	0.00
		18	1.05	-0.19	4.50	-0.39	0.63	0.00
		19	-1.37	-0.96	4.24	0.43	-0.72	0.00

Axis	Floor	LdComb	Fx	Fy	Fz	Mx	My	Mz
		20	1.13	-0.48	4.92	-0.02	0.65	0.00
		21	-1.45	-0.68	3.82	0.06	-0.74	0.00
		22	0.08	-0.03	3.77	-0.66	0.13	0.00
		23	-0.41	-1.13	4.97	0.70	-0.22	0.00
		24	-0.67	-0.17	3.57	-0.53	-0.29	0.00
		25	0.34	-0.98	5.17	0.57	0.19	0.00
E-6	0	1	0.01	-1.91	5.65	-0.71	0.00	0.00
		2	0.01	-2.94	8.62	-1.08	0.00	0.00
		3	0.02	-5.78	16.92	-2.14	0.01	0.00
		4	0.01	-2.94	8.62	-1.08	0.00	0.00
		5	0.01	-2.93	8.62	-1.09	0.00	0.00
		6	0.01	-1.65	4.84	-0.60	0.00	0.00
		7	0.01	-1.64	4.84	-0.61	0.00	0.00
		8	0.00	-1.23	3.63	-0.45	0.00	0.00
		9	0.00	-1.23	3.63	-0.46	0.00	0.00
		10	0.30	-2.89	8.61	-1.12	0.16	0.00
		11	-0.28	-2.98	8.63	-1.05	-0.16	0.00
		12	0.30	-2.98	8.63	-1.05	0.16	0.00
		13	-0.28	-2.89	8.61	-1.12	-0.16	0.00
		14	0.10	-2.77	8.59	-1.20	0.05	0.00
		15	-0.08	-3.10	8.65	-0.98	-0.04	0.00
		16	-0.08	-2.77	8.59	-1.20	-0.04	0.00
		17	0.10	-3.10	8.65	-0.98	0.05	0.00
		18	0.30	-1.18	3.62	-0.49	0.16	0.00
		19	-0.29	-1.28	3.64	-0.42	-0.16	0.00
		20	0.30	-1.28	3.64	-0.42	0.16	0.00
		21	-0.29	-1.18	3.62	-0.49	-0.16	0.00
		22	0.09	-1.07	3.60	-0.57	0.05	0.00
		23	-0.08	-1.39	3.66	-0.35	-0.05	0.00
		24	-0.08	-1.07	3.60	-0.57	-0.05	0.00
		25	0.09	-1.39	3.66	-0.35	0.05	0.00
A-7	0	1	0.01	1.57	4.05	-0.09	0.01	0.00
		2	0.02	2.03	5.98	-0.12	0.01	0.00
		3	0.03	3.80	8.93	-0.27	0.01	0.00
		4	0.02	2.04	5.93	-0.12	0.01	0.00
		5	0.02	2.15	4.82	-0.15	0.01	0.00
		6	0.01	1.22	4.64	-0.05	0.01	0.00
		7	0.01	1.28	4.09	-0.06	0.00	0.00
		8	0.01	0.95	3.16	-0.05	0.00	0.00
		9	0.01	1.07	2.05	-0.07	0.00	0.00
		10	1.19	1.82	4.77	-0.14	0.67	0.00
		11	-1.15	2.40	5.64	-0.14	-0.66	0.00
		12	1.18	1.74	4.29	0.24	0.67	0.00
		13	-1.15	2.48	6.12	-0.52	-0.65	0.00
		14	0.38	2.15	5.80	-0.71	0.21	0.00
		15	-0.34	2.07	4.61	0.44	-0.20	0.00
		16	-0.32	2.35	6.20	-0.83	-0.19	0.00
		17	0.36	1.87	4.21	0.55	0.20	0.00
		18	1.18	0.72	2.17	-0.06	0.67	0.00
		19	-1.16	1.30	3.04	-0.06	-0.66	0.00
		20	1.17	0.64	1.69	0.32	0.66	0.00
		21	-1.16	1.38	3.52	-0.44	-0.66	0.00
		22	0.37	1.05	3.20	-0.63	0.21	0.00
		23	-0.35	0.97	2.01	0.52	-0.20	0.00
		24	-0.33	1.25	3.61	-0.75	-0.19	0.00
		25	0.35	0.77	1.61	0.63	0.20	0.00
B-7	0	1	0.25	-0.90	6.80	0.03	0.07	0.00
		2	0.33	-0.96	10.23	0.03	0.10	0.00
		3	0.71	-1.73	16.65	-0.02	0.21	0.00
		4	0.34	-0.97	10.16	0.03	0.10	0.00
		5	0.39	-1.12	8.75	0.00	0.11	0.00
		6	0.16	-0.61	7.31	0.05	0.05	0.00
		7	0.19	-0.69	6.60	0.04	0.05	0.00
		8	0.14	-0.50	5.08	0.03	0.04	0.00
		9	0.19	-0.65	3.67	0.01	0.05	0.00
		10	1.66	-1.17	8.68	0.05	0.80	0.00
		11	-0.92	-0.97	9.80	-0.03	-0.59	0.00
		12	1.58	-1.45	9.10	0.42	0.78	0.00
		13	-0.84	-0.68	9.38	-0.40	-0.57	0.00
		14	0.88	-0.66	8.44	-0.54	0.35	0.00
		15	-0.13	-1.47	10.05	0.56	-0.13	0.00
		16	0.13	-0.52	8.64	-0.67	-0.07	0.00
		17	0.62	-1.62	9.84	0.69	0.28	0.00
		18	1.45	-0.68	3.81	0.06	0.74	0.00
		19	-1.12	-0.48	4.93	-0.02	-0.65	0.00
		20	1.37	-0.96	4.23	0.43	0.72	0.00

Axis	Floor	LdComb	Fx	Fy	Fz	Mx	My	Mz
		21	-1.05	-0.19	4.51	-0.39	-0.63	0.00
		22	0.67	-0.17	3.57	-0.53	0.29	0.00
		23	-0.34	-0.98	5.18	0.57	-0.19	0.00
		24	-0.08	-0.03	3.77	-0.66	-0.12	0.00
		25	0.41	-1.12	4.97	0.70	0.22	0.00
A-8	0	1	0.04	1.62	4.11	-0.07	0.02	0.00
		2	0.05	2.13	5.86	-0.07	0.02	0.00
		3	0.06	3.84	8.90	-0.17	0.03	0.00
		4	0.05	2.14	5.82	-0.08	0.02	0.00
		5	0.04	2.16	4.90	-0.10	0.02	0.00
		6	0.05	1.36	4.49	-0.03	0.02	0.00
		7	0.04	1.37	4.03	-0.05	0.02	0.00
		8	0.03	1.03	3.10	-0.03	0.01	0.00
		9	0.02	1.05	2.18	-0.06	0.01	0.00
		10	0.86	2.31	4.72	-0.42	0.59	0.00
		11	-0.78	1.99	5.71	0.24	-0.55	0.00
		12	0.84	1.96	3.99	0.30	0.58	0.00
		13	-0.76	2.35	6.45	-0.48	-0.54	0.00
		14	0.33	2.74	6.19	-1.29	0.21	0.00
		15	-0.24	1.56	4.25	1.10	-0.17	0.00
		16	-0.16	2.76	6.70	-1.30	-0.13	0.00
		17	0.24	1.55	3.74	1.12	0.17	0.00
		18	0.85	1.20	2.14	-0.38	0.58	0.00
		19	-0.80	0.88	3.13	0.28	-0.56	0.00
		20	0.82	0.84	1.41	0.35	0.57	0.00
		21	-0.77	1.24	3.87	-0.44	-0.55	0.00
		22	0.31	1.63	3.61	-1.24	0.20	0.00
		23	-0.26	0.45	1.67	1.15	-0.18	0.00
		24	-0.18	1.64	4.12	-1.26	-0.14	0.00
		25	0.23	0.44	1.16	1.17	0.16	0.00
B-8	0	1	0.19	-1.62	5.66	0.14	0.04	0.00
		2	0.32	-2.12	8.97	0.20	0.08	0.00
		3	0.64	-3.85	12.41	0.33	0.16	0.00
		4	0.32	-2.12	8.85	0.20	0.08	0.00
		5	0.31	-2.18	6.41	0.17	0.08	0.00
		6	0.18	-1.33	7.41	0.15	0.04	0.00
		7	0.17	-1.36	6.19	0.13	0.04	0.00
		8	0.13	-1.02	4.86	0.10	0.03	0.00
		9	0.11	-1.07	2.42	0.07	0.03	0.00
		10	1.15	-1.88	6.33	-0.15	0.66	0.00
		11	-0.52	-2.44	8.20	0.52	-0.51	0.00
		12	1.14	-2.43	6.95	0.57	0.66	0.00
		13	-0.52	-1.88	7.58	-0.21	-0.51	0.00
		14	0.57	-1.23	6.04	-1.01	0.26	0.00
		15	0.05	-3.08	8.49	1.38	-0.10	0.00
		16	0.07	-1.23	6.42	-1.03	-0.10	0.00
		17	0.55	-3.08	8.11	1.39	0.25	0.00
		18	0.95	-0.76	2.70	-0.25	0.62	0.00
		19	-0.71	-1.32	4.57	0.42	-0.56	0.00
		20	0.95	-1.32	3.32	0.48	0.61	0.00
		21	-0.71	-0.76	3.95	-0.30	-0.56	0.00
		22	0.38	-0.12	2.41	-1.11	0.21	0.00
		23	-0.14	-1.97	4.86	1.28	-0.15	0.00
		24	-0.12	-0.12	2.79	-1.12	-0.14	0.00
		25	0.36	-1.97	4.48	1.30	0.20	0.00
C-8	0	1	-1.44	0.27	4.90	-0.42	-0.49	0.00
		2	-2.24	0.37	7.51	-0.63	-0.76	0.00
		3	-4.38	0.80	14.71	-1.27	-1.47	0.00
		4	-2.24	0.37	7.50	-0.63	-0.76	0.00
		5	-2.21	0.43	7.48	-0.65	-0.74	0.00
		6	-1.27	0.18	4.23	-0.33	-0.43	0.00
		7	-1.25	0.21	4.22	-0.35	-0.42	0.00
		8	-0.94	0.15	3.17	-0.26	-0.32	0.00
		9	-0.91	0.20	3.14	-0.28	-0.31	0.00
		10	-1.50	1.01	7.22	-1.05	-0.38	0.00
		11	-2.93	-0.19	7.76	-0.23	-1.11	0.00
		12	-1.66	0.68	7.31	-0.84	-0.46	0.00
		13	-2.77	0.14	7.66	-0.45	-1.03	0.00
		14	-1.76	1.08	7.27	-1.09	-0.52	0.00
		15	-2.67	-0.26	7.71	-0.20	-0.98	0.00
		16	-2.14	0.82	7.40	-0.91	-0.71	0.00
		17	-2.29	0.00	7.57	-0.38	-0.78	0.00
		18	-0.21	0.77	2.88	-0.68	0.05	0.00
		19	-1.64	-0.42	3.42	0.14	-0.67	0.00
		20	-0.37	0.45	2.97	-0.47	-0.03	0.00
		21	-1.48	-0.10	3.33	-0.07	-0.59	0.00

Axis	Floor	LdComb	Fx	Fy	Fz	Mx	My	Mz
		22	-0.47	0.85	2.93	-0.72	-0.08	0.00
		23	-1.38	-0.50	3.37	0.18	-0.54	0.00
		24	-0.85	0.59	3.07	-0.53	-0.27	0.00
		25	-1.00	-0.23	3.24	-0.01	-0.35	0.00
A-10	0	1	0.27	1.64	4.73	-0.02	0.09	0.00
		2	0.36	2.05	6.99	0.04	0.12	0.00
		3	0.65	3.97	10.25	-0.07	0.22	0.00
		4	0.36	2.06	6.92	0.03	0.12	0.00
		5	0.36	2.28	5.54	-0.07	0.12	0.00
		6	0.22	1.18	5.51	0.08	0.08	0.00
		7	0.22	1.29	4.82	0.03	0.08	0.00
		8	0.17	0.95	3.74	0.04	0.06	0.00
		9	0.18	1.16	2.35	-0.06	0.06	0.00
		10	1.11	2.39	7.38	-0.68	0.68	0.00
		11	-0.38	2.01	4.67	0.61	-0.44	0.00
		12	1.05	1.81	6.18	0.40	0.65	0.00
		13	-0.33	2.59	5.86	-0.47	-0.41	0.00
		14	0.67	3.14	8.24	-1.86	0.33	0.00
		15	0.05	1.26	3.81	1.80	-0.08	0.00
		16	0.24	3.20	7.79	-1.80	0.00	0.00
		17	0.49	1.20	4.26	1.74	0.24	0.00
		18	0.92	1.25	4.40	-0.66	0.62	0.00
		19	-0.57	0.86	1.69	0.63	-0.50	0.00
		20	0.86	0.67	3.20	0.42	0.59	0.00
		21	-0.52	1.44	2.88	-0.45	-0.47	0.00
		22	0.48	2.00	5.26	-1.85	0.26	0.00
		23	-0.14	0.11	0.83	1.82	-0.15	0.00
		24	0.05	2.06	4.81	-1.78	-0.06	0.00
		25	0.30	0.05	1.28	1.75	0.18	0.00
B-10	0	1	1.53	-3.42	9.51	0.41	0.42	0.00
		2	1.92	-4.35	14.57	0.60	0.53	0.00
		3	3.51	-8.22	22.09	0.97	0.98	0.00
		4	1.92	-4.37	14.43	0.60	0.53	0.00
		5	2.03	-4.69	11.57	0.52	0.57	0.00
		6	1.19	-2.60	11.16	0.43	0.32	0.00
		7	1.25	-2.76	9.73	0.39	0.34	0.00
		8	0.93	-2.04	7.54	0.30	0.25	0.00
		9	1.04	-2.36	4.68	0.22	0.29	0.00
		10	2.20	-4.30	11.11	-0.06	1.01	0.00
		11	1.79	-4.86	14.03	1.15	0.10	0.00
		12	2.40	-5.36	12.63	1.05	1.06	0.00
		13	1.59	-3.80	12.51	0.04	0.05	0.00
		14	1.74	-2.89	9.83	-1.33	0.61	0.00
		15	2.25	-6.27	15.31	2.41	0.50	0.00
		16	1.56	-2.73	10.25	-1.30	0.32	0.00
		17	2.43	-6.42	14.89	2.38	0.79	0.00
		18	1.18	-1.92	4.65	-0.35	0.72	0.00
		19	0.78	-2.48	7.57	0.87	-0.18	0.00
		20	1.39	-2.98	6.17	0.77	0.78	0.00
		21	0.58	-1.42	6.05	-0.24	-0.23	0.00
		22	0.73	-0.51	3.37	-1.61	0.33	0.00
		23	1.24	-3.89	8.85	2.13	0.22	0.00
		24	0.55	-0.36	3.79	-1.58	0.04	0.00
		25	1.42	-4.05	8.43	2.10	0.51	0.00
A-11	0	1	-1.91	1.80	5.04	0.12	-0.52	0.00
		2	-2.42	2.32	7.55	0.16	-0.65	0.00
		3	-4.53	4.30	11.36	0.29	-1.23	0.00
		4	-2.43	2.33	7.48	0.16	-0.66	0.00
		5	-2.59	2.44	6.06	0.16	-0.71	0.00
		6	-1.47	1.43	5.82	0.10	-0.39	0.00
		7	-1.55	1.48	5.11	0.10	-0.42	0.00
		8	-1.15	1.10	3.95	0.08	-0.31	0.00
		9	-1.31	1.21	2.53	0.08	-0.36	0.00
		10	-2.23	2.84	5.03	-0.20	-0.26	0.00
		11	-2.85	1.96	8.08	0.52	-1.13	0.00
		12	-2.09	2.39	4.78	0.89	-0.23	0.00
		13	-2.99	2.40	8.33	-0.57	-1.15	0.00
		14	-2.65	3.21	6.48	-1.61	-0.60	0.00
		15	-2.42	1.59	6.63	1.93	-0.78	0.00
		16	-2.88	3.08	7.47	-1.72	-0.87	0.00
		17	-2.19	1.72	5.64	2.04	-0.52	0.00
		18	-0.92	1.60	1.72	-0.29	0.10	0.00
		19	-1.54	0.71	4.77	0.44	-0.77	0.00
		20	-0.78	1.15	1.47	0.81	0.13	0.00
		21	-1.68	1.16	5.02	-0.66	-0.79	0.00
		22	-1.34	1.97	3.17	-1.69	-0.24	0.00

Axis	Floor	LdComb	Fx	Fy	Fz	Mx	My	Mz
		23	-1.11	0.34	3.32	1.85	-0.43	0.00
		24	-1.57	1.84	4.16	-1.81	-0.51	0.00
		25	-0.88	0.47	2.33	1.96	-0.16	0.00

MODE - FREQUENCY ANALYSIS

Mass Matrix Combination (Weight / g)

M = (D0 + DL) / g

Total Building Weight: 68.04 ton

Modal Information: frequency, period, participation factors & generalized mass

Mode No	Frequency Hz	Period sec	== X-Direction === Part.Fac	GenMass*	== Y-Direction === Part.Fac	GenMass*	== Z-Direction === Part.Fac	GenMass*
1	4.61	0.2170	0.10	0.92	0.00	0.08	0.00	0.00
2	4.90	0.2040	0.04	1.00	0.00	0.00	0.00	0.00
3	5.91	0.1690	0.04	0.14	0.00	0.86	0.00	0.00
4	6.03	0.1660	0.00	0.01	0.12	0.99	0.00	0.00
5	6.82	0.1470	0.06	0.68	0.00	0.32	0.00	0.00
6	6.90	0.1450	0.00	0.01	0.06	0.99	0.00	0.00

* : ton-sec²/m

Effective Weight and Participating Mass

Mode No	X - D i r e c t i o n Weff*	%Mass	[%-Sum]	Y - D i r e c t i o n Weff*	%Mass	[%-Sum]	Z - D i r e c t i o n Weff*	%Mass	[%-Sum]
1	11.49	16.89	[16.9]	0.00	0.00	[0.0]	0.00	0.00	[0.0]
2	1.26	1.85	[18.7]	0.00	0.00	[0.0]	0.00	0.00	[0.0]
3	10.56	15.52	[34.3]	0.00	0.00	[0.0]	0.00	0.00	[0.0]
4	0.00	0.00	[34.3]	15.49	22.76	[22.8]	0.00	0.00	[0.0]
5	5.74	8.44	[42.7]	0.00	0.00	[22.8]	0.00	0.00	[0.0]
6	0.00	0.00	[42.7]	3.20	4.71	[27.5]	0.00	0.00	[0.0]

* : ton

LOAD COMBINATIONS

No	Load combination
1	1.4D0 + 1.4DL
2	1.2D0 + 1.2DL + .5LL + 1.6SL
3	1.2D0 + 1.2DL + 1.6LL + .5SL
4	1.2D0 + 1.2DL + .5LL + .5SL + WL
5	1.2D0 + 1.2DL + .5LL + .5SL - WL
6	1.2D0 + 1.2DL + 1.6SL + .5WL
7	1.2D0 + 1.2DL + 1.6SL - .5WL
8	.9D0 + .9DL + WL
9	.9D0 + .9DL - WL
10	1.2D0 + 1.2DL + .5LL + .2SL + EQX + .3EQY
11	1.2D0 + 1.2DL + .5LL + .2SL - EQX - .3EQY
12	1.2D0 + 1.2DL + .5LL + .2SL + EQX - .3EQY
13	1.2D0 + 1.2DL + .5LL + .2SL - EQX + .3EQY
14	1.2D0 + 1.2DL + .5LL + .2SL + .3EQX + EQY
15	1.2D0 + 1.2DL + .5LL + .2SL - .3EQX - EQY
16	1.2D0 + 1.2DL + .5LL + .2SL - .3EQX + EQY
17	1.2D0 + 1.2DL + .5LL + .2SL + .3EQX - EQY
18	.9D0 + .9DL + EQX + .3EQY
19	.9D0 + .9DL - EQX - .3EQY
20	.9D0 + .9DL + EQX - .3EQY
21	.9D0 + .9DL - EQX + .3EQY

No	Load combination
22	.9D0 + .9DL + .3EQX + EQY
23	.9D0 + .9DL - .3EQX - EQY
24	.9D0 + .9DL - .3EQX + EQY
25	.9D0 + .9DL + .3EQX - EQY

STEEL DESIGN CHECK

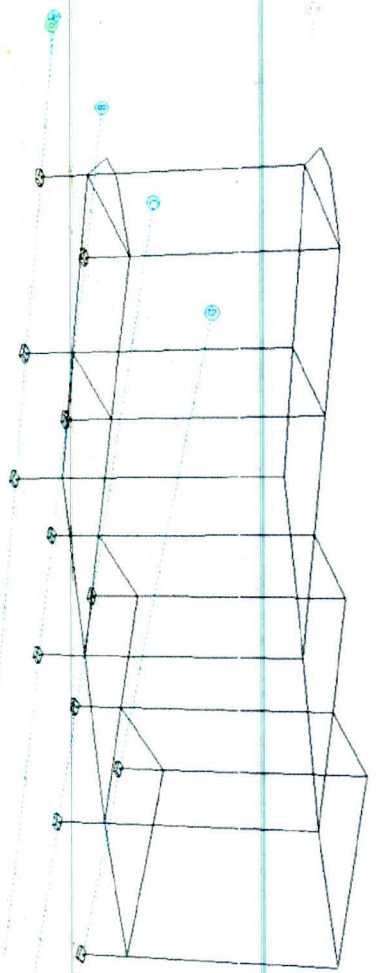
COLUMN CAPACITY RATIOS

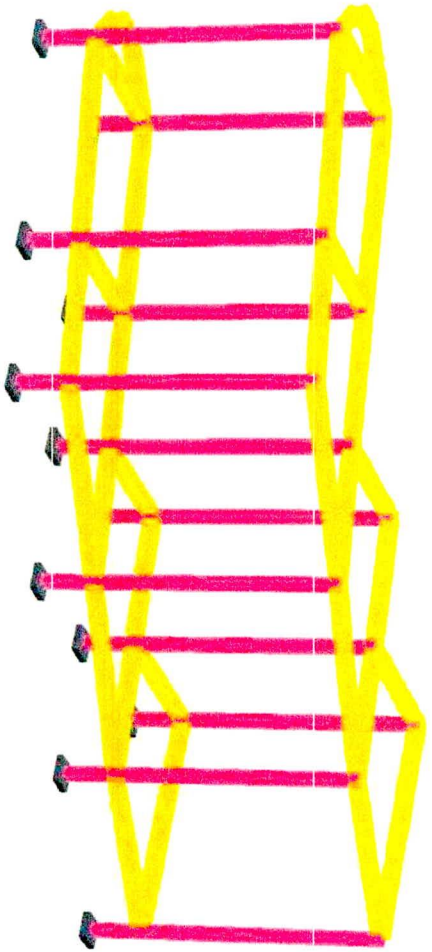
Column	Story	Sec	Lb2	Lb3	rBA	rV3	rV2
A-1	0	HEA-240	100	100	0.649	0.139	0.050
A-1	1	HEA-240	370	370	0.417	0.037	0.011
A-2	0	HEA-240	100	100	0.231	0.128	0.012
A-2	1	HEA-240	370	370	0.330	0.045	0.009
B-2	0	HEA-240	100	100	0.659	0.266	0.039
B-2	1	HEA-240	450	450	0.394	0.047	0.008
A-4	0	HEA-240	100	100	0.164	0.124	0.010
A-4	1	HEA-240	370	370	0.301	0.031	0.009
B-4	0	HEA-240	100	100	0.227	0.125	0.013
B-4	1	HEA-240	450	450	0.339	0.023	0.008
C-4	0	HEA-240	100	100	0.436	0.035	0.048
A-5	0	HEA-240	100	100	0.159	0.123	0.013
A-5	1	HEA-240	370	370	0.309	0.024	0.009
B-5	0	HEA-240	100	100	0.184	0.056	0.018
B-5	1	HEA-240	450	450	0.340	0.018	0.009
E-6	0	HEA-240	100	100	0.368	0.187	0.003
A-7	0	HEA-240	100	100	0.159	0.123	0.013
A-7	1	HEA-240	370	370	0.309	0.024	0.009
B-7	0	HEA-240	100	100	0.184	0.056	0.018
B-7	1	HEA-240	450	450	0.340	0.018	0.009
A-8	0	HEA-240	100	100	0.164	0.124	0.010
A-8	1	HEA-240	370	370	0.301	0.031	0.009
B-8	0	HEA-240	100	100	0.227	0.125	0.013
B-8	1	HEA-240	450	450	0.339	0.023	0.008
C-8	0	HEA-240	100	100	0.439	0.035	0.048
A-10	0	HEA-240	100	100	0.231	0.128	0.012
A-10	1	HEA-240	370	370	0.330	0.045	0.009
B-10	0	HEA-240	100	100	0.660	0.266	0.039
B-10	1	HEA-240	450	450	0.394	0.047	0.008
A-11	0	HEA-240	100	100	0.649	0.139	0.050
A-11	1	HEA-240	370	370	0.417	0.037	0.011

BEAM CAPACITY RATIOS

Beam	Floor	Sec	LbTop	LbBot	rMn	rMp	rV3
A(1-2)	1	IPE-270	326	326	0.112	0.147	0.029
A(2-4)	1	IPE-270	394	394	0.083	0.068	0.014
A(4-5)	1	IPE-270	240	240	0.076	0.074	0.027
A(5-7)	1	IPE-270	181	181	0.071	0.070	0.038
A(7-8)	1	IPE-270	241	241	0.076	0.074	0.026
A(8-10)	1	IPE-270	393	393	0.082	0.068	0.014
A(10-11)	1	IPE-270	326	326	0.112	0.147	0.029
B(2-3)	1	IPE-270	210	210	0.157	0.091	0.051
B(3-4)	1	IPE-270	184	184	0.089	0.087	0.038
B(4-5)	1	IPE-270	240	240	0.095	0.084	0.033
B(5-6)	1	IPE-270	91	91	0.103	0.054	0.076
B(6-7)	1	IPE-270	91	91	0.103	0.054	0.076
B(7-8)	1	IPE-270	241	241	0.095	0.084	0.033
B(8-9)	1	IPE-270	183	183	0.088	0.086	0.038
B(9-10)	1	IPE-270	210	210	0.156	0.090	0.051
A(1-2)	2	IPE-270	326	326	0.090	0.109	0.023
A(2-3)	2	IPE-270	394	394	0.081	0.067	0.013
A(2-3)	2	IPE-270	394	394	0.081	0.067	0.013
A(4-5)	2	IPE-270	240	240	0.071	0.066	0.024
A(5-6)	2	IPE-270	181	181	0.056	0.055	0.030
A(5-6)	2	IPE-270	181	181	0.056	0.055	0.030
A(7-8)	2	IPE-270	241	241	0.071	0.066	0.024
A(8-9)	2	IPE-270	393	393	0.080	0.067	0.013
A(8-9)	2	IPE-270	393	393	0.080	0.067	0.013
A(10-11)	2	IPE-270	326	326	0.091	0.109	0.023
B(2-3)	2	IPE-270	210	210	0.104	0.075	0.021
B(3-4)	2	IPE-270	184	184	0.062	0.058	0.017
B(4-5)	2	IPE-270	240	240	0.068	0.068	0.025
B(5-6)	2	IPE-270	181	181	0.068	0.052	0.031

Beam	Floor	Sec	LbTop	LbBot	rMn	rMp	rV3
B(5-6)	2	IPE-270	181	181	0.068	0.052	0.031
B(7-8)	2	IPE-270	241	241	0.068	0.068	0.025
B(8-9)	2	IPE-270	183	183	0.062	0.058	0.017
B(9-10)	2	IPE-270	210	210	0.104	0.075	0.021
2(A-B)	1	IPE-270	375	375	0.547	0.547	0.027
4(A-B)	1	IPE-270	375	375	0.542	0.542	0.016
5(A-B)	1	IPE-270	375	375	0.600	0.600	0.012
6(B-C)	1	IPE-270	450	450	0.621	0.586	0.213
6(B-C)	1	IPE-270	450	450	0.621	0.586	0.213
6(B-C)	1	IPE-270	450	450	0.621	0.586	0.213
7(A-B)	1	IPE-270	375	375	0.600	0.600	0.012
8(A-B)	1	IPE-270	375	375	0.542	0.542	0.017
10(A-B)	1	IPE-270	375	375	0.547	0.547	0.027
2(A-B)	2	IPE-270	383	383	0.232	0.196	0.051
4(A-B)	2	IPE-270	383	383	0.212	0.139	0.060
4(B-C)	2	IPE-270	215	215	0.122	0.007	0.050
5(A-B)	2	IPE-270	383	383	0.144	0.085	0.053
7(A-B)	2	IPE-270	383	383	0.144	0.085	0.053
8(A-B)	2	IPE-270	383	383	0.212	0.139	0.060
8(B-C)	2	IPE-270	215	215	0.122	0.007	0.050
10(A-B)	2	IPE-270	383	383	0.233	0.197	0.051
A-1-B-2	1	IPE-270	497	497	1.340*	1.340*	0.011
B-3-C-4	1	IPE-270	283	283	0.225	0.118	0.141
C-4-B-5	1	IPE-270	322	322	0.260	0.115	0.142
C-4-E-6	1	IPE-270	406	406	0.612	0.612	0.019
B-7-C-8	1	IPE-270	323	323	0.262	0.116	0.142
E-6-C-8	1	IPE-270	406	406	0.614	0.614	0.019
C-8-B-9	1	IPE-270	282	282	0.223	0.117	0.140
B-10-A-11	1	IPE-270	497	497	1.340*	1.340*	0.011
A-1-B-2	2	IPE-270	503	503	0.303	0.198	0.065
B-3-C-4	2	IPE-270	283	283	0.005	0.006	0.002
C-4-B-5	2	IPE-270	322	322	0.077	0.004	0.010
B-7-C-8	2	IPE-270	323	323	0.077	0.003	0.010
C-8-B-9	2	IPE-270	282	282	0.005	0.006	0.002
B-10-A-11	2	IPE-270	503	503	0.303	0.197	0.065





GENERAL INPUT DATA

```
Structure type: Three-Dimensional Frame Structure
Number of Floor Grids  . . . . = 1
Building total length  . . . . = 16.53 m
Building total width . . . . . = 12.72 m
```

STORY INFORMATION

```
Number of Stories  . . . . = 2
Total Frame Height . . . . = 5.5 m
```

Floor	Story Height	Grid No
0	1.00	1
1	4.50	1
2	-	1

* Story Height in (m)

STRUCTURAL GRID INFORMATION

GRID No 1

Grid Point	X	Y
A:0a	0.00	0.86
B:9a	0.00	3.84
C:9a	0.00	7.20
D:9a	0.00	11.49
1:9a	1.48	0.00
A-1	1.48	1.35
B-1	1.48	4.19
C-1	1.48	7.39
D-1	1.48	11.49
1:Da	1.48	12.72
2:Ab	1.54	3.04
2:Aa	1.55	2.36
3:Ba	2.48	0.00
A-2	2.48	1.68
A-3	2.48	1.68
B-2	2.48	4.42
B-3	2.48	4.42
C-3	2.48	7.53
D-3	2.48	11.49
3:Da	2.48	12.72
2:Ba	3.61	5.97
2:Da	5.22	1.03
4:Da	5.94	0.00
A-4	5.94	2.82
B-4	5.94	5.24
C-4	5.94	7.99
D-4	5.94	11.49
4:Da	5.94	12.72
5:Da	8.34	0.00
A-5	8.34	3.61
B-5	8.34	5.81
C-5	8.34	8.30
D-5	8.34	11.49
5:Da	8.34	12.72
6:Da	10.73	0.00
A-6	10.73	4.41
B-6	10.73	6.38
C-6	10.73	8.63
D-6	10.73	11.49
6:Da	10.73	12.72
7:Da	13.14	0.00
A-7	13.14	5.20
B-7	13.14	6.94
C-7	13.14	8.95
D-7	13.14	11.49
7:Da	13.14	12.72
8:Da	14.94	0.00
A-8	14.94	5.80
B-8	14.94	7.37
C-8	14.94	9.18
D-8	14.94	11.49

Grid Point	X	Y
8:Da	14.94	12.72
9:Da	15.54	0.00
A-9	15.54	6.00
B-9	15.54	7.51
C-9	15.54	9.26
D-9	15.54	11.49
9:Da	15.54	12.72
A:9a	16.53	6.32
B:9a	16.53	7.75
C:9a	16.53	9.39
D:9a	16.53	11.49

* Coordinates X & Y are in (m)

MATERIALS

Number of materials = 1

STRUCTURAL STEEL

Mat	Name	Fy Kg/cm2	Fbmaj Kg/cm2	Fbmin Kg/cm2	E Kg/cm2	G Kg/cm2	w Kg/m3
1	ASTM A50	3500	2310	2310	2030000	805000	7840.0

MEMBER DATA

Total number of members..... = 62
Number of columns..... = 24
Number of beams ..... = 38
Number of braces ..... = 0

COLUMN SECTIONS

Number of prismatic sections = 21

Sec	Name	Shape	b (cm)	h (cm)	tw (cm)	tf (cm)	P1 (cm)	P2 (cm)	A (cm2)	I2 (cm4)	I3 (cm4)	J (cm4)
1	HEA-100	I	10.00	9.60	0.50	0.80	0.00	-	20.0	332	133	4
2	HEA-120	I	12.00	11.40	0.50	0.80	0.00	-	24.1	580	231	5
3	HEA-140	I	14.00	13.30	0.55	0.85	0.00	-	30.2	995	389	6
4	HEA-160	I	16.00	15.20	0.60	0.90	0.00	-	36.8	1594	615	9
5	HEA-180	I	18.00	17.10	0.60	0.95	0.00	-	43.3	2408	924	11
6	HEA-200	I	20.00	19.00	0.65	1.00	0.00	-	51.1	3509	1334	15
7	HEA-220	I	22.00	21.00	0.70	1.10	0.00	-	61.6	5184	1953	22
8	HEA-240	I	24.00	23.00	0.75	1.20	0.00	-	73.1	7397	2765	31
9	HEA-260	I	26.00	25.00	0.75	1.25	0.00	-	81.9	9886	3662	37
10	HEA-280	I	28.00	27.00	0.80	1.30	0.00	-	92.3	13000	4757	45
11	HEA-300	I	30.00	29.00	0.85	1.40	0.00	-	106.3	17284	6301	60
12	HEA-320	I	30.00	31.00	0.90	1.55	0.00	-	118.1	21812	6977	81
13	HEA-340	I	30.00	33.00	0.95	1.65	0.00	-	127.2	26421	7427	98
14	HEA-360	I	30.00	35.00	1.00	1.75	0.00	-	136.5	31652	7878	118
15	HEA-400	I	30.00	39.00	1.10	1.90	0.00	-	152.7	43260	8554	153
16	HEA-450	I	30.00	44.00	1.15	2.10	0.00	-	171.8	61390	9455	205
17	HEA-500	I	30.00	49.00	1.20	2.30	0.00	-	191.3	84054	10356	269
18	HEA-550	I	30.00	54.00	1.25	2.40	0.00	-	205.5	108327	10808	309
19	HEA-600	I	30.00	59.00	1.30	2.50	0.00	-	220.2	136846	11260	352
20	HEA-650	I	30.00	64.00	1.35	2.60	0.00	-	235.4	169987	11712	400
21	HEA-700	I	30.00	69.00	1.45	2.70	0.00	-	254.2	209209	12166	458

COLUMNS

Column	Story	L (m)	Lu (m)	a (m)	c (m)	Theta (o)	Sec -	Mat -	System -
D-8	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
D-8	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
C-7	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
C-7	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
D-6	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
D-6	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
C-6	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
C-6	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
B-6	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
B-6	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
C-5	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
C-5	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
B-5	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
B-5	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
A-5	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
A-5	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
B-4	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
B-4	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
A-4	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
A-4	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
B-2	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
B-2	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L
A-2	1	4.50	4.23	0.08	0.20	0.0	7	1	G&L
A-2	0	1.00	0.81	0.00	0.20	0.0	7	1	G&L

BEAM SECTIONS

Number of prismatic sections = 19

Sec	Name	Shape	b (cm)	h (cm)	tw (cm)	tf (cm)	P1 (cm)	P2 (cm)	A (cm2)	I2 (cm4)	I3 (cm4)	J (cm4)
1	IPE-080	I	4.60	8.00	0.38	0.52	0.00	-	7.4	78	8	1
2	IPE-100	I	0.55	10.00	0.41	0.57	0.00	-	4.3	38	0	0
3	IPE-120	I	6.40	12.00	0.44	0.63	0.00	-	12.8	306	28	1
4	IPE-140	I	7.30	14.00	0.47	0.69	0.00	-	16.0	525	45	2
5	IPE-160	I	8.20	16.00	0.50	0.74	0.00	-	19.4	835	68	3
6	IPE-180	I	9.10	18.00	0.53	0.80	0.00	-	23.3	1272	101	4
7	IPE-200	I	10.00	20.00	0.56	0.85	0.00	-	27.3	1845	142	5
8	IPE-220	I	11.00	22.00	0.59	0.92	0.00	-	32.1	2653	204	7
9	IPE-240	I	12.00	24.00	0.62	0.98	0.00	-	37.2	3671	283	9
10	IPE-270	I	13.50	27.00	0.66	1.02	0.00	-	44.0	5505	419	12
11	IPE-300	I	15.00	30.00	0.71	1.07	0.00	-	51.9	7999	603	16
12	IPE-330	I	16.00	33.00	0.75	1.15	0.00	-	59.8	11145	786	21
13	IPE-360	I	17.00	36.00	0.80	1.27	0.00	-	70.0	15524	1041	29
14	IPE-400	I	18.00	40.00	0.86	1.35	0.00	-	80.7	21876	1314	37
15	IPE-450	I	19.00	45.00	0.94	1.46	0.00	-	95.0	32140	1672	51
16	IPE-500	I	20.00	50.00	1.02	1.60	0.00	-	111.7	46207	2137	71
17	IPE-550	I	21.00	55.00	1.11	1.72	0.00	-	129.5	63965	2661	95
18	IPE-600	I	22.00	60.00	1.20	1.90	0.00	-	151.0	88326	3380	133
19	IPE-750	I	26.50	75.30	1.30	1.70	0.00	-	183.6	162306	5286	139

BEAMS

Beam	Floor	L (m)	Lu (m)	a (m)	c (m)	Sec -	Mat -	System -
A(3-4)	1	3.64	3.42	0.11	0.11	10	1	G&L

Beam	Floor	L	Lu	a	c	Sec	Mat	System
A(4-5)	1	2.53	2.31	0.11	0.11	10	1	G&L
B(3-4)	1	3.55	3.33	0.11	0.11	10	1	G&L
B(4-5)	1	2.46	2.24	0.11	0.11	10	1	G&L
B(5-6)	1	2.46	2.24	0.11	0.11	10	1	G&L
C(5-6)	1	2.42	2.20	0.11	0.11	10	1	G&L
C(6-7)	1	2.42	2.20	0.11	0.11	10	1	G&L
D(6-7)	1	2.40	2.29	0.11	0.00	10	1	G&L
D(7-8)	1	1.80	1.69	0.00	0.11	10	1	G&L
A(3-4)	2	3.64	3.42	0.11	0.11	10	1	G&L
A(4-5)	2	2.53	2.31	0.11	0.11	10	1	G&L
B(3-4)	2	3.55	3.33	0.11	0.11	10	1	G&L
B(4-5)	2	2.46	2.24	0.11	0.11	10	1	G&L
B(5-6)	2	2.46	2.24	0.11	0.11	10	1	G&L
C(5-6)	2	2.42	2.20	0.11	0.11	10	1	G&L
C(6-7)	2	2.42	2.20	0.11	0.11	10	1	G&L
D(6-7)	2	2.40	2.29	0.11	0.00	10	1	G&L
D(7-8)	2	1.80	1.69	0.00	0.11	10	1	G&L
2(A-Aa)	1	1.15	1.04	0.11	0.00	10	1	G&L
2(Aa-Ab)	1	0.68	0.68	0.00	0.00	10	1	G&L
3(A-B)	1	2.74	2.53	0.11	0.11	10	1	G&L
2(Ab-B)	1	1.67	1.57	0.00	0.11	10	1	G&L
4(A-B)	1	2.42	2.21	0.11	0.11	10	1	G&L
5(B-C)	1	2.50	2.29	0.11	0.11	10	1	G&L
6(C-D)	1	2.87	2.66	0.11	0.11	10	1	G&L
2(A-Aa)	2	1.15	1.04	0.11	0.00	10	1	G&L
2(Aa-Ab)	2	0.68	0.68	0.00	0.00	10	1	G&L
2(Ab-B)	2	1.67	1.57	0.00	0.11	10	1	G&L
3(A-B)	2	2.74	2.53	0.11	0.11	10	1	G&L
4(A-B)	2	2.42	2.21	0.11	0.11	10	1	G&L
5(B-C)	2	2.50	2.29	0.11	0.11	10	1	G&L
6(C-D)	2	2.87	2.66	0.11	0.11	10	1	G&L
A-5-B-6	1	3.66	3.45	0.11	0.11	10	1	G&L
B-6-C-7	1	3.52	3.31	0.11	0.11	10	1	G&L
C-7-D-8	1	3.12	2.91	0.11	0.11	10	1	G&L
A-5-B-6	2	3.66	3.45	0.11	0.11	10	1	G&L
B-6-C-7	2	3.52	3.31	0.11	0.11	10	1	G&L
C-7-D-8	2	3.12	2.91	0.11	0.11	10	1	G&L

SLAB PROPERTIES AND FLOOR LOAD DATA

Number of slab sections = 1

Floor Type:

1: One-way joist slab
2: One-way flat slab
3: Two-way joist slab
4: Two-way flat slab
5: One-way deck on secondary beams

No	Name	Type	tv (cm)	γ (Kg/m3)	Sup.DL (Kg/m2)	LL1 (Kg/m2)	LL2 (Kg/m2)	h (cm)	hf (cm)	bw (cm)	S (cm)
1	Slab type 1	2	15.00	2400.0	300.00	200.00	0.00	-	-	-	-

GROUND SUPPORT DATA

Total number of ground supports = 12

K = Spring constant(ton/cm)

Characteristics for All Degrees of Freedom
Value = K Dash = free C = constrained

Support	Floor	Type	Ux	Uy	Uz	TetX	TetY	TetZ
A-2	0	Fixed	C	C	C	C	C	C

1042

Support	Floor	Type	Ux	Uy	Uz	TetX	TetY	TetZ
B-2	0	Fixed	C	C	C	C	C	C
A-4	0	Fixed	C	C	C	C	C	C
B-4	0	Fixed	C	C	C	C	C	C
A-5	0	Fixed	C	C	C	C	C	C
B-5	0	Fixed	C	C	C	C	C	C
C-5	0	Fixed	C	C	C	C	C	C
B-6	0	Fixed	C	C	C	C	C	C
C-6	0	Fixed	C	C	C	C	C	C
D-6	0	Fixed	C	C	C	C	C	C
C-7	0	Fixed	C	C	C	C	C	C
D-8	0	Fixed	C	C	C	C	C	C

SUMMARY OF TOTAL FLOOR LOADS

LOAD CASE 1 : SELFW (D0)

	Force (ton)			Moment (ton-m)		
Floor	Px	Py	Pz	Mx	My	Mz
2	0.00	0.00	4.26	0.0	0.0	0.0
1	0.00	0.00	2.24	0.0	0.0	0.0
0	0.00	0.00	0.00	0.0	0.0	0.0
Total	0.00	0.00	6.50	0.0	0.0	0.0

LOAD CASE 5 : EQUAKE X (EQX) - TYPE : SPECTRAL

	Force (ton)			Acc. Tors. Mom. (ton-m)		
Floor	Px	Py	Pz	Mx	My	Mz
2	8.32	0.00	0.00	0.0	0.0	0.0
1	0.24	0.00	0.00	0.0	0.0	0.0
0	0.00	0.00	0.00	0.0	0.0	0.0
Total	8.56	0.00	0.00	0.0	0.0	0.0

LOAD CASE 6 : EQUAKE Y (EQY) - TYPE : SPECTRAL

	Force (ton)			Acc. Tors. Mom. (ton-m)		
Floor	Px	Py	Pz	Mx	My	Mz
2	0.00	7.88	0.00	0.0	0.0	0.0
1	0.00	0.67	0.00	0.0	0.0	0.0
0	0.00	0.00	0.00	0.0	0.0	0.0
Total	0.00	8.55	0.00	0.0	0.0	0.0

SUMMARY QUANTITY OF MATERIALS

COLUMNS

Item -	Section -	Material -	Length m	Weight/Len ton/m	Total Weight ton
1	HEA-220	ASTM A50	60.42	0.048	2.92
			TOTAL =		2.92

BEAMS

Item -	Section -	Material -	Length m	Weight/Len ton/m	Total Weight ton
1	IPE-270	ASTM A50	92.61	0.035	3.20
				TOTAL =	3.20

1044

SEISMIC DESIGN CODE: COL BOGOTA-10

SEISMIC BASE LEVEL: 0

SEISMIC FORCE RESISTING SYSTEM

System X-Direction: C: Moment Res.Frame
System Y-Direction: C: Moment Res.Frame

Energy dissip capacity: 2: Moderate-DMO

RESPONSE SPECTRUM EARTHQUAKE FORCES COL BOGOTA-10

Elastic Modal Base Shear
Vm = Sam Wm'
Sam = Spectral modal acceleration
Wm' = Effective modal weight

ANALYSIS PARAMETERS

Number of modes to be included ... = 6

	X-direction	Y-direction
Energy dissipation coefficient, Ro =	4.5	4.5

SPECTRAL MODAL ACCELERATION

Sam = 2.5 Aa Fa I For Tm <= Tc
Sam = 1.2 Av Fv I/Tm For Tc < Tm < Tl
Sam = 1.2 Av Fv Tl I/Tm² For Tm > Tl

Eff. peak acceleration & veloc., Aa = .15 Av = .20

Importance coefficient, I ..... = 1.1

GROUP	COEFFICIENT
IV - Essential facilities	1.50
III- Public assistance facilities	1.25
II - Especial occupancy buildings	1.10
I - Normal occupancy buildings	1.00

Seismic zone No. ..... = 4

BOGOTA, D. C. - SEISMIC ZONES

1: CERROS	9: LACUSTRE-500
2: PIEDEMONTE A	10: LACUSTRE ALUVIAL-200
3: PIEDEMONTE B	11: LACUSTRE ALUVIAL-300
4: PIEDEMONTE C	12: ALUVIAL-50
5: LACUSTRE-50	13: ALUVIAL-100
6: LACUSTRE-100	14: ALUVIAL-200
7: LACUSTRE-200	15: ALUVIAL-300
8: LACUSTRE-300	16: DEPOSITO LADERA

S P E C T R A L M O D A L A C C E L E R A T I O N

Sam = 2.5 Aa Fa I For Tm <= Tc
Sam = 1.2 Av Fv I/Tm For Tc < Tm < Tl
Sam = 1.2 Av Fv Tl I/Tm² For Tm > Tl

DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS

	Short Periods	Long Periods
Effect. peak acceleration & velc.,	Aa = 0.15	Av = 0.20
Site coefficients (Tables below),	Fa = 1.80	Fv = 1.70

Design response parameters, Aa Fa = 0.27 Av Fv= 0.34

Long-period transition period, Tl sec = 3.00

SEISMIC ZONE	Fa	Fv	Tl
1: Cerros	1.35	1.30	3.0
2: Piedemonte A	1.65	2.00	3.0
3: Piedemonte B	1.95	1.70	3.0
4: Piedemonte C	1.80	1.70	3.0*
5: Lacustre-50	1.40	2.90	4.0
6: Lacustre-100	1.30	3.20	4.0
7: Lacustre-200	1.20	3.50	4.0
8: Lacustre-300	1.05	2.90	5.0
9: Lacustre-500	0.95	2.70	5.0
10: Lacustre Aluvial-200	1.10	2.80	4.0
11: Lacustre Aluvial-300	1.00	2.50	5.0
12: Aluvial-50	1.35	1.80	3.5
13: Aluvial-100	1.20	2.10	3.5
14: Aluvial-200	1.05	2.10	3.5
15: Aluvial-300	0.95	2.10	3.5
16: Deposito ladera	1.65	1.70	3.0

Reduction in R for Irregularity and Lack of Redundancy:

PLAN IRREGULARITIES			ELEVATION IRREGULARITIES	
Type	Description	Øp	Type Description	Øa
1aP	Torsional	0.9	1aA Flexible	0.9
1bP	Torsional Extrme	0.8	1bA Flexible Extrme	0.8
2P	Reentrant corners	0.9	2A Mass	0.9
3P	Diaph. discontin.	0.9	3A Geometrical	0.9
4P	Plane shifting	0.8	4A Plane shifting	0.8
5P	Unparallel grid	0.9	5aA Weak Story	0.9
			5bA Weak Story Extr	0.8

NOTE: EngSolutions RCB assumes irregular but redundant building.
For regular buildings make (Øp . Øa)= 1.0

	X - D I R E C T I O N	Y - D I R E C T I O N
Reduct. factor, (Øp.Øa) =	0.81	0.81
Redundancy factor, Ør =	1	1

R = (Øp Øa) Ør Ro

1646

S T A T I C E Q U I V A L E N T B A S E S H E A R

Building Weight, W, (ton) = 12.81

Peak Acceleration Coeffi., Aa Fa = .27
Peak Velocity Coefficient, Av Fv = .34
Importance factor, I . . . . . = 1.1
Seizmic zone . . . . . = PIEDEMONTE C
Coeff. for upper limit period, Cu = 1.342

		X-direction	Y-direction
Computed Period	=	0.199	0.150
Ta = Ct (H)^x	=	0.072 H^0.8	0.072 H^0.8
	=	0.282	0.282
Tmax = Cu Ta	=	0.378	0.378
Fundamental Period	=	0.199	0.150
Energ-Dissp st coeff, R	=	3.645	3.645
1.2 Av Fv I / T	=	2.255	2.992
2.5 Aa Fa I	=	.743	.743
Sa	=	.743	.743
Base Shear, Vo	=	9.51	9.51
Static Shear, .9Vo (ton)	=	8.56	8.56

S P E C T R A L A C C E L E R A T I O N

MODE No	PERIOD (sec)	Sa (g)	Damping Ratio
1	.199	.743	.05
2	.185	.743	.05
3	.161	.743	.05
4	.15	.743	.05
5	.137	.743	.05
6	.119	.743	.05

M O D A L B A S E S H E A R

MODE No	X - D I R E C T I O N Sax (g)	W'x (ton)	Vx (ton)	Y - D I R E C T I O N Say (g)	W'y (ton)	Vy (ton)
1	.743	5.95	4.42	.743	5.17	3.84
2	.743	.01	.01	.743	.09	.07
3	.743	.04	.03	.743	0	0
4	.743	3.54	2.63	.743	5.75	4.28
5	.743	0	0	.743	.62	.46
6	.743	0	0	.743	.14	.1
ELASTIC Ve (combined):		5.14				5.77
STATIC(IREG) 0.9Sa(T1)W:		8.56				8.56
Design Base Shear:		8.56				8.56

Total Building Weight, W = 12.81 ton
Participating Mass, $\Sigma W'/W$ = 74% in X, 92% in Y
$W'xm=\{\Sigma Wj\ \phi xjm\}^2/\Sigma Wj\ \phi xjm^2$ $W'ym=\{\Sigma Wj\ \phi yjm\}^2/\Sigma Wj\ \phi yjm^2$
Combination of Modal Response: SRSS $V = (\text{Sum } Vi^2)^{1/2}$

A C C I D E N T A L T O R S I O N

	X-direction	Y-direction
Accidental eccentricity as a percentage of building dimension, (%)=	0	0

Modal nodal force:

$$Fim = Vm \ \phi im / \Sigma Wj \ \phi jm$$
$$Vm = (Sam / Rw) \ W'm$$
$$W'm = \{\Sigma Wj \ \phi jm\}^2 / \Sigma Wj \ \phi jm^2$$

C O M B I N E D M O D A L F O R C E

X - DIRECTION

Floor k -	Weight W (ton)	Force F (ton)	Shear V (ton)	Torsion T=F(E-ε) (ton-m)
2	5.48	8.31	8.31	0.0
1	7.32	0.24	8.56	0.0

C O M B I N E D M O D A L F O R C E

Y - DIRECTION

Floor k -	Weight W (ton)	Force F (ton)	Shear V (ton)	Torsion T=F(E-ε) (ton-m)
2	5.48	7.88	7.88	0.0
1	7.32	0.67	8.55	0.0

ACCELERATIONS ON NON-STRUCTURAL ELEMENTS- MZS BOGOTA-2010

FLOOR ACCELERATIONS

Level	hx	hx/heq	ax NSR-10	ax ASCE7-10	ax UBC-97	ax EUROCODE8	ax NZS1170.5
2	5.50	1.33	0.891	0.891	1.187	1.039	0.891
1	1.00	0.24	0.387	0.405	0.459	0.432	0.837

Seismic base level . . . . . = 0
Height above seismic base, hn . . . . . = 5.50 m
Equivalent height, heq = 0.75 hn . . . . . = 4.13 m
Ground acceleration, As = Aa Fa I . . . . . = 0.297
Spectral acceleration, Sa . . . . . = 0.668

NSR-10: ax = Sa hx/heq for hi > heq
ax = As + (Sa -As) hi/heq for hi < heq
ASCE7-10: ax = As (1 + 2 hx/ hn)
UBC-97: ax = As (1 + 3 hx/ hn)
Eurocode 8: ax = As [3/2(1+ hx/hn) - 0.5] for (Ta/T1=0)
NZS 1170.5 ax = As (1 + 2 hx/hl) for hx < hl
ax = 3 As for hx > hl (hl = 0.2 hn)
Note: RCB recommends using ASCE7-10 accelerations for this project

Force on structural non-seismic element : Fp = ai Wp / Ro
Force on nonstructural element : Fp = ai ap Wp / Rp
> 0.5 Aa I Wp
ap : component amplification factor

Company: EVALUACION ESTRUCTURAL SAS **Engineer: ANTONIO JOSE FUERTES C.**
Project: SERVICIOS ACCESO NORTE HACIENDA EL CARMEN **11:49:45 a.m. 30/01/2023**
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P-DELTA ANALYSIS - SUMMARY MAXIMUM STORY DRIFT RATIO, Δ/h

	Drift-Ratio at CENTER OF MASS			MAXIMUM Corner Story-Drift-Ratio			
Story	DriftX	DriftY	DriftR	DriftX	DriftY	DriftR	Axis
1	0.0028	0.0011	0.0028	0.0030	0.0026	0.0031	C-7
0	0.0004	0.0003	0.0004	0.0005	0.0007	0.0007	A-5
Maxima	0.0028	0.0011	0.0028	0.0030	0.0026	0.0031	

DriftX = $(\Delta x/h)max$
DriftY = $(\Delta y/h)max$
DriftR = $([(\Delta x/h)^2 + (\Delta y/h)^2]^{1/2})max$

1050

PLAN TORSIONAL IRREGULARITY CHECK - NSR-10

	EARTHQUAKE - X				EARTHQUAKE - Y			
Level	Δ/h max	Δ/h avg	max/avg Δ/h	Irregular	Δ/h max	Δ/h avg	max/avg Δ/h	Irregular
2	0.0030	0.0028	1.0811	NO	0.0026	0.0011	2.2429	EXT
1	0.0005	0.0004	1.0000	NO	0.0007	0.0003	1.0000	NO

Torsional irregularity is considered to exist if Δ/h max > 1.2 Δ/h ave
EXTreme torsional irregularity is considered to exist if Δ/h max > 1.4 Δ/h ave

TORSIONAL IREGULARITIES (1aP) EXIST !!!
EXTREME TORSIONAL IREGULARITIES (1bP) EXIST !!!

Notes:
The determination of torsional irregularities (plan structural irregularity type 1) and computation of amplification factors for accidental torsion Ax, is conducted according to FEMA's NEHRP Recommended Provitions for Seismic Regulations for New Buildings and other Structures, Provisions and Commentary ed. 1994, 1997, 2000, 2003, 2009, which is applicable to the following building codes derived from the above documents: (USA) IBC-03/06, ASCE 7-05/10, CBC-01/07, UBC-97, (COLOMBIA) NSR-10, and (PAN) REP-2004,(Dom) R-001, (GUA) NSE1(

AMPLIFICATION FACTORS ACCIDENTAL TORSION, Ax

	EARTHQUAKE - X				EARTHQUAKE - Y			
Level	δmax	δavg	δmax/δavg	Ax	δmax	δavg	δmax/δavg	Ax
2	1.540	1.423	1.082	1.000	1.344	0.595	2.258	3.000
1	0.055	0.039	1.396	1.353	0.077	0.030	2.550	3.000

Displacement units: cm
Ax = [δmax /1.2 δave]² < 3.0

Company: EVALUACION ESTRUCTURAL SAS **Engineer: ANTONIO JOSE FUERTES C.**
Project: SERVICIOS ACCESO NORTE HACIENDA EL CARMEN **11:51:22 a.m. 30/01/2023**
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REDUNDANCY ANALYSIS

STORY-STRENGTH REDUCTION DUE TO REMOVAL OF CRITICAL ELEMENT

	EARTHQUAKE - X				EARTHQUAKE - Y			
Story	Vi	Vi/Vb	Crit.Element	Ve/Vi	Vi	Vi/Vb	Crit.Element	Ve/Vi
1	2.3	0.97	BEM:C-7-D-8	0.17	2.2	0.92	BEM:C-7-D-8	0.22
0	2.3	1.00	BEM:C(6-7)	0.19	2.3	1.00	BEM:C-7-D-8	0.23
MAXIMA				0.19				0.23

NOTE: Shear values are divided by R

Removal of any critial element on any story supporting more than 35% Vb (Base Shear) would not reduce the story strength by more than 33%. Thus SEISMIC FORCE-RESISTING SYSTEM SEEMS REDUNDANT!!
It should be investigated if removal of critical element would induce Extreme Torsional Irregularity (1bP)

Proposed Reduction Factor for Lack of Redundancy: Ørx = 1 Øry = 1

1052

P-DELTA ANALYSIS - SUMMARY MAXIMUM STORY DRIFT RATIO, Δ/h

	Drift-Ratio at CENTER OF MASS			MAXIMUM Corner Story-Drift-Ratio			
Story	DriftX	DriftY	DriftR	DriftX	DriftY	DriftR	Axis
1	0.0028	0.0011	0.0028	0.0030	0.0026	0.0031	C-7
0	0.0004	0.0003	0.0004	0.0005	0.0007	0.0007	A-5
Maxima	0.0028	0.0011	0.0028	0.0030	0.0026	0.0031	

DriftX = $(\Delta x/h)max$
DriftY = $(\Delta y/h)max$
DriftR = $([(\Delta x/h)^2 + (\Delta y/h)^2]^{1/2})max$

P-DELTA ANALYSIS - DETAILED MAXIMUM STORY DRIFT RATIO, δ/h

Story	ColAxis	$(\delta x/h)max$	$(\delta y/h)max$	$([(\delta x/h)^2 + (\delta y/h)^2]^{1/2})max$
1	A-2	0.0027	0.0013	0.0027
	B-2	0.0028	0.0013	0.0028
	A-4	0.0026	0.0011	0.0026
	B-4	0.0028	0.0011	0.0028
	A-5	0.0027	0.0026	0.0028
	B-5	0.0028	0.0011	0.0028
	C-5	0.0030	0.0011	0.0030
	B-6	0.0029	0.0025	0.0029
	C-6	0.0030	0.0012	0.0030
	D-6	0.0029	0.0012	0.0029
	C-7	0.0030	0.0023	0.0031
	D-8	0.0029	0.0024	0.0030
0	A-2	0.0004	0.0003	0.0004
	B-2	0.0004	0.0003	0.0004
	A-4	0.0004	0.0003	0.0004
	B-4	0.0004	0.0003	0.0004
	A-5	0.0004	0.0007	0.0007
	B-5	0.0004	0.0003	0.0004
	C-5	0.0004	0.0003	0.0004
	B-6	0.0004	0.0007	0.0007
	C-6	0.0004	0.0003	0.0004
	D-6	0.0005	0.0003	0.0005
	C-7	0.0004	0.0006	0.0006
	D-8	0.0005	0.0006	0.0007

Note: Drift amplification factor, D: .9090909 in X; .9090909 in Y
MAXIMA DRIFT: $(\delta/h)x$ =0.0030; $(\delta/h)y$ =0.0026; $(\delta/h)r$ =0.0031

P-Delta Analysis- Column End Forces

Units: ton, ton-m

			BOTTOM						TOP					
Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
D-8	1	D0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
		DL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		LL	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	-0.2	-0.2	0.0	0.0	0.0	-0.4	-0.2	-0.2	0.0	0.0	0.0	0.4
		EQY	-0.2	0.0	-0.2	0.0	-0.5	0.0	-0.2	0.0	-0.2	0.0	0.4	0.0
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
D-8	0	D0	0.5	0.1	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0
		DL	0.6	0.3	0.1	0.0	0.0	0.1	0.6	0.3	0.1	0.0	0.0	-0.1
		LL	1.1	0.5	0.1	0.0	0.0	0.2	1.1	0.5	0.1	0.0	-0.1	-0.3
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	-0.4	-0.2	0.1	0.0	0.2	-0.2	-0.4	-0.2	0.1	0.0	0.1	0.0
		EQY	-0.4	-0.1	-0.2	0.0	-0.5	0.0	-0.4	-0.1	-0.2	0.0	-0.3	0.1
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
C-7	1	D0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		DL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
		LL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
		SL	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
		EQX	-0.3	-0.2	0.0	0.0	0.0	-0.4	-0.3	-0.2	0.0	0.0	0.0	0.4
		EQY	0.4	0.0	-0.2	0.0	-0.6	0.0	0.4	0.0	-0.2	0.0	0.5	0.1
		WL	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
C-7	0	D0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
		DL	0.9	0.1	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0
		LL	1.5	0.1	0.0	0.0	0.0	0.0	1.5	0.1	0.0	0.0	0.0	-0.1
		SL	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
		EQX	-0.7	-0.2	-0.1	0.0	0.1	-0.2	-0.7	-0.2	-0.1	0.0	0.2	0.0
		EQY	0.6	-0.2	-0.3	0.0	-0.5	0.0	0.6	-0.2	-0.3	0.0	-0.2	0.1
		WL	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
D-6	1	D0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
		DL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		LL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.3	-0.2	0.0	0.0	0.1	-0.4	0.3	-0.2	0.0	0.0	-0.1	0.4
		EQY	-0.3	0.0	-0.2	0.0	-0.3	0.1	-0.3	0.0	-0.2	0.0	0.3	-0.1
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
D-6	0	D0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
		DL	0.4	-0.2	0.0	0.0	0.0	-0.1	0.4	-0.2	0.0	0.0	0.0	0.1
		LL	0.7	-0.5	0.0	0.0	0.0	-0.1	0.7	-0.5	0.0	0.0	0.0	0.3
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.5	-0.1	0.0	0.0	0.0	-0.2	0.5	-0.1	0.0	0.0	0.0	0.0
		EQY	-0.6	0.1	-0.2	0.0	-0.2	0.1	-0.6	0.1	-0.2	0.0	-0.1	0.0
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
C-6	1	D0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		DL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		LL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		SL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	-0.2	0.0	0.0	0.0	-0.5	0.0	-0.2	0.0	0.0	0.0	0.5
		EQY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.0	0.0	-0.2	0.0	0.3	0.0
		WL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
C-6	0	D0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
		DL	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
		LL	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0
		SL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
		EQX	-0.1	-0.4	0.0	0.0	0.0	-0.2	-0.1	-0.4	0.0	0.0	0.1	0.1
		EQY	0.1	0.1	-0.2	0.0	-0.2	0.1	0.1	0.1	-0.2	0.0	-0.1	0.0
		WL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
B-6	1	D0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		DL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
		LL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
		SL	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		EQX	-0.3	-0.2	0.0	0.0	0.0	-0.4	-0.3	-0.2	0.0	0.0	0.1	0.4
		EQY	0.1	0.0	-0.2	0.0	-0.5	0.0	0.1	0.0	-0.2	0.0	0.4	0.1
		WL	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
B-6	0	D0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
		DL	0.9	0.1	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.0	0.0	0.0
		LL	1.6	0.1	0.1	0.0	0.0	0.0	1.6	0.1	0.1	0.0	0.0	-0.1
		SL	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		EQX	-0.6	-0.2	-0.1	0.0	0.1	-0.1	-0.6	-0.2	-0.1	0.0	0.2	0.0
		EQY	0.2	-0.2	-0.3	0.0	-0.5	0.0	0.2	-0.2	-0.3	0.0	-0.3	0.1
		WL	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0

Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
C-5	1	D0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
		DL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		LL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.4	-0.2	0.0	0.0	0.0	-0.4	0.4	-0.2	0.0	0.0	0.0	0.4
		EQY	-0.3	0.0	-0.2	0.0	-0.3	0.0	-0.3	0.0	-0.2	0.0	0.3	0.0
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
C-5	0	D0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		DL	0.2	-0.1	0.0	0.0	0.0	0.0	0.2	-0.1	0.0	0.0	0.0	0.0
		LL	0.4	-0.1	0.0	0.0	0.0	0.0	0.4	-0.1	0.0	0.0	0.0	0.1
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.8	-0.1	0.0	0.0	0.0	-0.1	0.8	-0.1	0.0	0.0	0.0	0.0
		EQY	-0.5	0.0	-0.2	0.0	-0.2	0.0	-0.5	0.0	-0.2	0.0	-0.1	0.0
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
B-5	1	D0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
		DL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		LL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.1	-0.2	0.0	0.0	0.0	-0.4	0.1	-0.2	0.0	0.0	0.0	0.4
		EQY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.0	0.0	-0.2	0.0	0.3	0.0
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
B-5	0	D0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
		DL	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		LL	0.8	-0.1	0.0	0.0	0.0	0.0	0.8	-0.1	0.0	0.0	0.0	0.0
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	-0.3	0.0	0.0	0.0	-0.2	0.0	-0.3	0.0	0.0	0.1	0.1
		EQY	0.2	0.1	-0.2	0.0	-0.2	0.0	0.2	0.1	-0.2	0.0	-0.1	0.0
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
A-5	1	D0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
		DL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		LL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		SL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
		EQX	-0.3	-0.2	0.0	0.0	0.0	-0.4	-0.3	-0.2	0.0	0.0	0.1	0.3
		EQY	0.4	0.0	-0.2	0.0	-0.5	0.0	0.4	0.0	-0.2	0.0	0.3	0.1
		WL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
A-5	0	D0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
		DL	0.5	0.0	-0.1	0.0	0.0	0.0	0.5	0.0	-0.1	0.0	0.1	0.0
		LL	1.0	-0.1	-0.1	0.0	0.0	0.0	1.0	-0.1	-0.1	0.0	0.1	0.0
		SL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
		EQX	-0.5	-0.2	0.0	0.0	0.1	-0.1	-0.5	-0.2	0.0	0.0	0.1	0.0
		EQY	0.6	-0.1	-0.2	0.0	-0.5	0.0	0.6	-0.1	-0.2	0.0	-0.3	0.1
		WL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
B-4	1	D0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.1	-0.2	0.0	0.0	0.0	-0.4	0.1	-0.2	0.0	0.0	0.0	0.4
		EQY	-0.2	0.0	-0.2	0.0	-0.3	0.0	-0.2	0.0	-0.2	0.0	0.3	0.0
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
B-4	0	D0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
		DL	0.5	0.1	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0
		LL	1.0	0.1	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.2	-0.3	0.0	0.0	0.0	-0.2	0.2	-0.3	0.0	0.0	0.0	0.1
		EQY	-0.5	0.0	-0.2	0.0	-0.2	0.0	-0.5	0.0	-0.2	0.0	-0.1	0.0
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
A-4	1	D0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	-0.2	0.0	0.0	0.0	-0.4	0.0	-0.2	0.0	0.0	0.0	0.4
		EQY	0.2	0.0	-0.2	0.0	-0.3	0.0	0.2	0.0	-0.2	0.0	0.3	0.0
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

Column	Stry	Load	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3	Axial	Shear2	Shear3	Torque	Mom-2	Mom-3
A-4	0	D0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
		DL	0.5	0.1	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0
		LL	1.1	0.1	0.0	0.0	0.0	0.0	1.1	0.1	0.0	0.0	0.0	-0.1
		SL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	-0.3	0.0	0.0	0.0	-0.2	0.0	-0.3	0.0	0.0	0.1	0.1
		EQY	0.4	0.0	-0.2	0.0	-0.2	0.0	0.4	0.0	-0.2	0.0	-0.1	0.0
		WL	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
B-2	1	D0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		DL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
		LL	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
		SL	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	-0.1	0.0
		EQX	0.3	-0.2	0.0	0.0	0.0	-0.4	0.3	-0.2	0.0	0.0	0.0	0.4
		EQY	-0.3	0.0	-0.2	0.0	-0.4	0.0	-0.3	0.0	-0.2	0.0	0.4	0.0
		WL	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	-0.1	0.0
B-2	0	D0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
		DL	0.4	-0.1	-0.1	0.0	0.0	0.0	0.4	-0.1	-0.1	0.0	0.0	0.1
		LL	1.2	0.0	0.2	0.0	0.0	0.0	1.2	0.0	0.2	0.0	-0.2	0.0
		SL	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		EQX	0.5	0.0	0.0	0.0	0.1	-0.1	0.5	0.0	0.0	0.0	0.0	-0.1
		EQY	-0.6	0.0	-0.2	0.0	-0.2	0.0	-0.6	0.0	-0.2	0.0	-0.1	0.0
		WL	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
A-2	1	D0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
		DL	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
		LL	0.2	0.0	0.0	0.0	-0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.0
		SL	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.0
		EQX	0.1	-0.2	0.0	0.0	0.0	-0.3	0.1	-0.2	0.0	0.0	0.0	0.3
		EQY	0.3	0.0	-0.2	0.0	-0.4	0.0	0.3	0.0	-0.2	0.0	0.4	0.0
		WL	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.0
A-2	0	D0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
		DL	0.4	-0.1	0.0	0.0	0.0	0.0	0.4	-0.1	0.0	0.0	0.0	0.1
		LL	1.3	-0.1	-0.3	0.0	-0.1	0.0	1.3	-0.1	-0.3	0.0	0.2	0.0
		SL	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
		EQX	0.2	0.0	0.0	0.0	0.1	-0.1	0.2	0.0	0.0	0.0	0.0	-0.1
		EQY	0.6	0.0	-0.2	0.0	-0.2	0.0	0.6	0.0	-0.2	0.0	-0.1	0.0
		WL	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0

P-Delta Analysis- Beam End Forces

Units: ton, ton-m

Beam	Floor	Load	END I X/L = 0.0 Axl	Shr2	Shr3	Torque	M2	M3	M2(+)max M2	X/L	END J X/L = 1.0 Axl	Shr2	Shr3	Torque	M2	M3
A(3-4)	1	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.1	0.0	-0.2	0.0	-0.1	0.0	0.1	.45	0.1	0.0	0.3	0.0	-0.2	0.0
		LL	0.1	0.0	-0.5	0.0	-0.3	0.0	0.2	.5	0.1	0.0	0.5	0.0	-0.3	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	-0.1	0.0	-0.2	0.0	-0.3	0.0	0.2	1.0	-0.1	0.0	-0.2	0.0	0.2	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A(4-5)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.0	.5	0.0	0.0	0.2	0.0	-0.1	0.0
		LL	0.0	0.0	-0.4	0.0	-0.2	0.0	0.0	.55	0.0	0.0	0.3	0.0	-0.1	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.3	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.3	0.0	0.3	0.0
		EQY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
B(3-4)	1	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.1	0.0	-0.2	0.0	-0.1	0.0	0.1	.45	0.1	0.0	0.3	0.0	-0.1	0.0
		LL	0.0	0.0	-0.5	0.0	-0.3	0.0	0.1	.5	0.0	0.0	0.5	0.0	-0.2	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	-0.1	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	-0.1	0.0	-0.2	0.0	0.3	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1056

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
B(4-5)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.0	.55	0.0	0.0	0.2	0.0	-0.1	0.0
		LL	0.0	0.0	-0.4	0.0	-0.2	0.0	0.0	.55	0.0	0.0	0.3	0.0	-0.1	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	-0.1	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	-0.1	0.0	-0.2	0.0	0.3	0.0
		EQY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
B(5-6)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.1	0.0	-0.2	0.0	-0.1	0.0	0.0	.55	0.1	0.0	0.2	0.0	0.0	0.0
		LL	0.0	0.0	-0.4	0.0	-0.2	0.0	0.1	.55	0.0	0.0	0.3	0.0	-0.1	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.1	0.0	-0.3	0.0	-0.3	0.0	0.3	1.0	0.1	0.0	-0.3	0.0	0.3	0.0
		EQY	-0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0	0.1	0.0	-0.1	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
C(5-6)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	.45	0.1	0.0	0.2	0.0	-0.1	0.0
		LL	0.1	0.0	-0.3	0.0	-0.1	0.0	0.1	.45	0.1	0.0	0.4	0.0	-0.1	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	-0.1	0.0	-0.3	0.0	-0.4	0.0	0.3	1.0	-0.1	0.0	-0.3	0.0	0.3	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(6-7)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.1	0.0	-0.2	0.0	-0.1	0.0	0.0	.55	0.1	0.0	0.1	0.0	0.0	0.0
		LL	0.1	0.0	-0.4	0.0	-0.2	0.0	0.1	.55	0.1	0.0	0.3	0.0	-0.1	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.1	0.0	-0.3	0.0	-0.3	0.0	0.4	1.0	0.1	0.0	-0.3	0.0	0.4	0.0
		EQY	-0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0	0.1	0.0	-0.1	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(6-7)	1	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.9	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.2	0.0	-0.3	0.0	-0.2	0.0	0.1	.85	0.2	0.0	0.0	0.0	0.1	0.0
		LL	0.5	0.0	-0.6	0.0	-0.3	0.0	0.3	.85	0.5	0.0	0.1	0.0	0.3	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.2	0.0	-0.4	0.0	0.1	1.0	0.0	0.0	-0.2	0.0	0.1	0.0
		EQY	-0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	-0.1	0.0	0.1	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D(7-8)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.2	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.2	0.0	0.3	0.0	-0.2	0.0
		LL	0.5	0.0	0.1	0.0	0.3	0.0	0.3	0.0	0.5	0.0	0.6	0.0	-0.3	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.2	0.0	0.1	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0
		EQY	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	-0.1	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A(3-4)	2	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.1	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.2	0.0	-0.4	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	-0.1
		WL	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
A(4-5)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.3	0.0	-0.2	0.0	0.4	1.0	0.0	0.0	-0.3	0.0	0.4	0.0
		EQY	0.0	-0.1	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.1	0.0	-0.2	0.1
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B(3-4)	2	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.2	0.0	-0.4	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
B(4-5)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.2	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.2	0.0	0.2	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B(5-6)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.6	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.3	0.0	-0.3	0.0	0.4	1.0	0.0	0.0	-0.3	0.0	0.4	0.0
		EQY	0.0	-0.1	0.2	0.0	0.1	-0.1	0.1	0.0	0.0	-0.1	0.2	0.0	-0.4	0.1
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
C(5-6)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.4	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.3	0.0	-0.4	0.0	0.2	1.0	0.0	0.0	-0.3	0.0	0.2	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C(6-7)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.6	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.3	0.0	-0.2	0.0	0.4	1.0	0.0	0.0	-0.3	0.0	0.4	0.0
		EQY	0.0	-0.1	0.2	0.0	0.1	-0.1	0.1	0.0	0.0	-0.1	0.2	0.0	-0.4	0.1
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(6-7)	2	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.85	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.2	0.0	-0.4	0.0	0.1	1.0	0.0	0.0	-0.2	0.0	0.1	0.0
		EQY	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
D(7-8)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	-0.2	0.0	0.1	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0
		EQY	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.3	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
2(A-Aa)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-0.4	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2(Aa-Ab)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3(A-B)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.2	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.2	0.0	0.0	0.0	0.1	0.0
		SL	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		WL	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
2(Ab-B)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	-0.5	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4(A-B)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.3	0.0	0.3	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5(B-C)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.3	0.0	0.3	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6(C-D)	1	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
		EQY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2(A-Aa)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2(Aa-Ab)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
2(Ab-B)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		DL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		LL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.2	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	-0.1	0.0	0.0	0.0	0.0	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.2	0.0
3(A-B)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.55	0.0	0.0	0.1	0.0	0.0	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.1	0.0	0.0	0.0
		SL	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.55	0.0	0.0	0.1	0.0	0.0	0.0
		EQX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.4	0.0	0.4	1.0	0.0	0.0	-0.3	0.0	0.4	0.0
		WL	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.55	0.0	0.0	0.1	0.0	0.0	0.0
4(A-B)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		SL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		EQX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	-0.1	0.0	-0.3	0.0	-0.3	0.0	0.3	1.0	-0.1	0.0	-0.3	0.0	0.3	0.0
		WL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0

Beam	Floor	Load	Axl	Shr2	Shr3	Torque	M2	M3	M2	X/L	Axl	Shr2	Shr3	Torque	M2	M3
5(B-C)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.1	0.0	0.0	0.0
		SL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		EQX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	-0.1	0.0	-0.3	0.0	-0.3	0.1	0.3	1.0	-0.1	0.0	-0.3	0.0	0.3	0.0
		WL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
6(C-D)	2	D0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		SL	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.5	0.0	0.0	0.1	0.0	0.0	0.0
		EQX	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.3	0.0	0.3	0.0
		WL	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	.5	0.0	0.0	0.1	0.0	0.0	0.0
A-5-B-6	1	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.1	0.0	-0.3	0.0	-0.1	0.0	0.1	.5	0.1	0.0	0.3	0.0	-0.2	0.0
		LL	0.1	0.0	-0.5	0.0	-0.3	0.0	0.2	.5	0.1	0.0	0.5	0.0	-0.3	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	-0.1	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	-0.1	0.0	0.0	0.0	0.1	0.0
		EQY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.3	1.0	0.0	0.0	-0.2	0.0	0.3	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
B-6-C-7	1	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.0	0.0	-0.3	0.0	-0.2	0.0	0.1	.5	0.0	0.0	0.2	0.0	-0.1	0.0
		LL	0.1	0.0	-0.5	0.0	-0.3	0.0	0.1	.5	0.1	0.0	0.5	0.0	-0.2	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.1	0.0
		EQY	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2	1.0	0.0	0.0	-0.1	0.0	0.2	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
C-7-D-8	1	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.1	0.0	-0.3	0.0	-0.1	0.0	0.1	.6	0.1	0.0	0.2	0.0	0.0	0.0
		LL	0.1	0.0	-0.5	0.0	-0.3	0.0	0.1	.6	0.1	0.0	0.4	0.0	-0.1	0.0
		SL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQX	0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.1	0.0	0.0	0.0	0.1	0.0
		EQY	0.0	0.0	-0.2	0.0	-0.3	0.0	0.4	1.0	0.0	0.0	-0.2	0.0	0.4	0.0
		WL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A-5-B-6	2	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.1	0.0	-0.1	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.45	0.0	0.0	0.1	0.0	-0.1	0.0
		SL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.45	0.0	0.0	0.2	0.0	-0.1	0.0
		EQX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.5	0.1	0.4	1.0	0.0	0.0	-0.3	0.0	0.4	-0.1
		WL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.45	0.0	0.0	0.2	0.0	-0.1	0.0
B-6-C-7	2	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		DL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.5	0.0	0.0	0.1	0.0	0.0	0.0
		SL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.0	.5	0.0	0.0	0.2	0.0	-0.1	0.0
		EQX	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0
		EQY	-0.1	0.0	-0.2	0.0	-0.3	0.1	0.3	1.0	-0.1	0.0	-0.2	0.0	0.3	-0.1
		WL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.0	.5	0.0	0.0	0.2	0.0	-0.1	0.0
C-7-D-8	2	D0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.65	0.0	0.0	0.0	0.0	0.0	0.0
		DL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.1	0.0	0.0	0.0
		LL	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	.55	0.0	0.0	0.1	0.0	0.0	0.0
		SL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.6	0.0	0.0	0.1	0.0	0.0	0.0
		EQX	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		EQY	0.0	0.0	-0.3	0.0	-0.4	0.0	0.5	1.0	0.0	0.0	-0.3	0.0	0.5	0.0
		WL	0.0	0.0	-0.2	0.0	-0.1	0.0	0.1	.6	0.0	0.0	0.1	0.0	0.0	0.0

P-Delta Analysis- Support Reactions

Support		Load	Force (ton)			Moment (ton-m)		
Axis	Floor	LdCase	Fx	Fy	Fz	Mx	My	Mz

Axis	Floor	LdCase	Fx	Fy	Fz	Mx	My	Mz
A-2	0	D0	0.01	0.04	0.60	-0.01	0.00	0.00
		DL	0.14	0.02	0.42	-0.01	0.03	0.00
		LL	0.08	0.28	1.26	-0.06	0.03	0.00
		SL	0.01	-0.04	0.33	0.00	0.00	0.00
		EQX	0.04	-0.03	0.18	0.05	0.11	0.00
		EQY	-0.02	0.18	0.56	-0.24	-0.03	0.00
		WL	0.01	-0.04	0.33	0.00	0.00	0.00
B-2	0	D0	0.00	-0.04	0.62	0.00	0.00	0.00
		DL	0.13	0.05	0.44	-0.01	0.03	0.00
		LL	0.04	-0.25	1.23	0.01	0.01	0.00
		SL	0.01	0.04	0.36	0.00	0.00	0.00
		EQX	0.03	-0.05	0.50	0.06	0.11	0.00
		EQY	-0.03	0.18	-0.57	-0.24	-0.03	0.00
		WL	0.01	0.04	0.36	0.00	0.00	0.00
A-4	0	D0	-0.01	0.01	0.57	0.00	0.00	0.00
		DL	-0.10	-0.04	0.52	0.01	-0.03	0.00
		LL	-0.09	-0.03	1.10	0.01	-0.02	0.00
		SL	-0.01	-0.01	0.07	0.00	0.00	0.00
		EQX	0.30	0.05	0.04	0.02	0.18	0.00
		EQY	-0.03	0.15	0.37	-0.20	-0.03	0.00
		WL	-0.01	-0.01	0.07	0.00	0.00	0.00
B-4	0	D0	-0.01	-0.01	0.56	0.00	0.00	0.00
		DL	-0.09	-0.02	0.51	0.01	-0.03	0.00
		LL	-0.07	-0.01	0.96	0.01	-0.01	0.00
		SL	0.00	0.01	0.08	0.00	0.00	0.00
		EQX	0.29	0.02	0.23	0.03	0.18	0.00
		EQY	-0.05	0.15	-0.47	-0.20	-0.03	0.00
		WL	0.00	0.01	0.08	0.00	0.00	0.00
A-5	0	D0	0.01	0.01	0.46	0.00	0.00	0.00
		DL	0.01	0.05	0.55	0.01	0.00	0.00
		LL	0.09	0.11	0.97	0.04	0.04	0.00
		SL	-0.01	0.00	0.18	0.00	0.00	0.00
		EQX	0.16	0.00	-0.50	0.12	0.15	0.00
		EQY	0.08	0.21	0.56	-0.49	-0.03	0.00
		WL	-0.01	0.00	0.18	0.00	0.00	0.00
B-5	0	D0	0.01	0.01	0.52	0.00	0.00	0.00
		DL	0.01	0.00	0.44	0.00	0.00	0.00
		LL	0.07	0.01	0.81	0.00	0.03	0.00
		SL	0.01	-0.01	0.14	0.00	0.00	0.00
		EQX	0.33	0.03	0.03	0.03	0.19	0.00
		EQY	-0.09	0.15	0.20	-0.20	-0.05	0.00
		WL	0.01	-0.01	0.14	0.00	0.00	0.00
C-5	0	D0	0.01	-0.01	0.43	0.00	0.00	0.00
		DL	0.06	0.01	0.23	0.00	0.02	0.00
		LL	0.12	0.02	0.40	0.00	0.03	0.00
		SL	0.00	0.01	0.13	0.00	0.00	0.00
		EQX	0.12	-0.03	0.75	0.04	0.13	0.00
		EQY	-0.05	0.16	-0.52	-0.21	-0.03	0.00
		WL	0.00	0.01	0.13	0.00	0.00	0.00
B-6	0	D0	-0.01	0.00	0.59	0.00	0.00	0.00
		DL	-0.06	-0.03	0.91	0.02	-0.02	0.00
		LL	-0.08	-0.06	1.62	0.04	-0.01	0.00
		SL	0.00	0.01	0.37	0.00	0.00	0.00
		EQX	0.17	0.06	-0.57	0.11	0.15	0.00
		EQY	0.17	0.28	0.19	-0.49	0.00	0.00
		WL	0.00	0.01	0.37	0.00	0.00	0.00
C-6	0	D0	0.00	0.01	0.55	0.00	0.00	0.00
		DL	0.00	-0.01	0.48	0.00	0.00	0.00
		LL	0.01	-0.01	0.87	0.00	0.01	0.00
		SL	0.00	-0.02	0.15	0.00	0.00	0.00
		EQX	0.40	0.02	-0.10	0.03	0.21	0.00
		EQY	-0.11	0.16	0.15	-0.22	-0.05	0.00
		WL	0.00	-0.02	0.15	0.00	0.00	0.00

Axis	Floor	LdCase	Fx	Fy	Fz	Mx	My	Mz
D-6	0	D0	0.04	-0.02	0.51	0.00	0.01	0.00
		DL	0.24	0.01	0.39	0.00	0.06	0.00
		LL	0.48	0.01	0.71	0.00	0.13	0.00
		SL	0.00	0.02	0.14	0.00	0.00	0.00
		EQX	0.15	-0.04	0.48	0.04	0.17	0.00
		EQY	-0.11	0.17	-0.62	-0.22	-0.07	0.00
		WL	0.00	0.02	0.14	0.00	0.00	0.00
C-7	0	D0	-0.01	0.00	0.58	0.00	0.00	0.00
		DL	-0.06	0.00	0.86	0.01	-0.02	0.00
		LL	-0.11	0.03	1.54	0.01	-0.03	0.00
		SL	0.00	-0.01	0.35	0.00	0.00	0.00
		EQX	0.17	0.06	-0.65	0.12	0.15	0.00
		EQY	0.19	0.32	0.57	-0.46	0.02	0.00
		WL	0.00	-0.01	0.35	0.00	0.00	0.00
D-8	0	D0	-0.05	-0.01	0.50	0.00	-0.01	0.00
		DL	-0.28	-0.05	0.58	0.02	-0.08	0.00
		LL	-0.55	-0.09	1.09	0.02	-0.15	0.00
		SL	0.00	0.00	0.13	0.00	0.00	0.00
		EQX	0.18	-0.08	-0.39	0.17	0.18	0.00
		EQY	0.05	0.22	-0.41	-0.46	-0.03	0.00
		WL	0.00	0.00	0.13	0.00	0.00	0.00

MODE - FREQUENCY ANALYSIS

Mass Matrix Combination (Weight / g)

M = (D0 + DL) / g

Total Building Weight: 12.81 ton

Modal Information: frequency, period, participation factors & generalized mass

Mode No	Frequency Hz	Period sec	== X-Direction === Part.Fac	GenMass*	== Y-Direction === Part.Fac	GenMass*	== Z-Direction === Part.Fac	GenMass*
1	5.02	0.1990	0.07	0.93	-0.02	0.07	0.00	0.00
2	5.40	0.1850	0.00	0.67	0.01	0.33	0.00	0.00
3	6.21	0.1610	0.00	0.33	0.00	0.67	0.00	0.00
4	6.66	0.1500	0.02	0.11	0.07	0.89	0.00	0.00
5	7.28	0.1370	0.00	0.54	0.02	0.46	0.00	0.00
6	8.41	0.1190	0.00	0.56	0.01	0.44	0.00	0.00

* : ton-sec²/m

Effective Weight and Participating Mass

Mode No	X - Direction Weff*	%Mass	[%-Sum]	Y - Direction Weff*	%Mass	[%-Sum]	Z - Direction Weff*	%Mass	[%-Sum]
1	5.95	46.40	[46.4]	5.17	40.31	[40.3]	0.00	0.00	[0.0]
2	0.01	0.09	[46.5]	0.09	0.74	[41.0]	0.00	0.00	[0.0]
3	0.04	0.29	[46.8]	0.00	0.02	[41.1]	0.00	0.00	[0.0]
4	3.54	27.60	[74.4]	5.75	44.90	[86.0]	0.00	0.00	[0.0]
5	0.00	0.02	[74.4]	0.62	4.87	[90.8]	0.00	0.00	[0.0]
6	0.00	0.00	[74.4]	0.14	1.10	[91.9]	0.00	0.00	[0.0]

* : ton

GENERAL INPUT DATA

```
Structure type: Three-Dimensional Frame Structure
Number of Floor Grids  . . . . = 1
Building total length  . . . . = 26.05 m
Building total width . . . . . = 18.15 m
```

STORY INFORMATION

```
Number of Stories  . . . . = 3
Total Frame Height . . . . = 6 m
```

Floor	Story Height	Grid No
0	1.00	1
1	1.00	1
01	4.00	1
2	-	1

* Story Height in (m)

STRUCTURAL GRID INFORMATION

GRID No 1

Grid Point	X	Y
B:6a	0.00	4.68
1:6a	0.79	3.80
A:0a	1.17	5.62
C:2a	1.16	8.09
E:Fa	1.16	9.35
H:6a	1.18	11.49
J:6a	1.18	12.99
G:3a	1.16	13.30
K:10a	1.18	14.79
L:6a	1.18	17.09
I:5a	1.16	18.02
G-J	1.96	12.99
A-1	2.18	5.30
B-1	2.18	5.30
I-L	2.55	17.09
F:6a	3.11	2.88
D:5a	3.55	9.73
C-1	3.94	7.20
A-F	4.31	4.61
D-E	4.85	8.75
D-1	5.17	8.51
E-1	5.32	8.67
B-F	5.43	6.23
C-F	5.71	6.63
G-H	5.76	11.49
I-K	5.97	14.79
2:Ka	6.45	1.66
D-F	6.47	7.44
A-2	7.11	3.71
E-F	7.32	8.35
G-1	7.36	10.86
D:Fa	7.79	6.36
B-2	7.83	5.95
C-2	7.83	5.95
H-1	7.94	11.49
3:La	8.09	18.15
I-J	8.64	12.99
L-3	9.02	17.09
F-G	9.04	10.19
I-1	9.05	12.71
J-1	9.05	12.99
K-1	9.06	14.79
1:Ka	9.06	16.76
F-H	10.26	11.48
B:2a	10.41	6.28
E-2	10.46	7.84
F-I	10.50	11.74
6:La	10.91	0.00
H-I	10.88	11.48
K-3	11.02	14.79

Grid Point	X	Y
F:Ia	11.54	12.60
A-6	11.63	2.27
G-2	11.97	9.03
C-6	12.34	4.50
F-3	12.59	12.99
J-3	12.59	12.99
2:Ga	12.73	9.63
4:La	13.13	18.15
E-6	13.25	7.38
L-4	13.60	17.09
G-6	13.66	8.36
H-3	13.90	11.48
I-6	14.07	9.34
F:3a	14.24	13.81
K-4	14.60	14.79
6-3	14.93	10.29
J-4	15.38	12.99
H-4	16.04	11.48
6-4	16.20	11.11
E:6a	17.09	6.75
G:6a	17.15	6.98
I:6a	17.26	7.20
3:Ga	17.45	7.41
4:La	17.73	7.59
A:6a	18.19	0.16
5:La	18.18	2.30
C-5	18.18	2.63
H-5	18.18	11.48
H-6	18.18	11.48
J-5	18.18	12.99
K-5	18.18	14.79
L-5	18.18	17.09
5:La	18.18	18.15
7:La	20.48	2.30
7-6	20.48	11.16
J-7	20.48	12.99
K-7	20.48	14.79
L-7	20.48	17.09
7:La	20.48	18.15
6:7a	22.03	11.44
8:La	23.08	2.30
8-6	23.08	12.04
J-8	23.08	12.99
K-8	23.08	14.79
L-8	23.08	17.09
8:La	23.08	18.15
9:La	23.83	2.30
J-6	23.83	12.99
J-9	23.83	12.99
K-9	23.83	14.79
L-9	23.83	17.09
9:La	23.83	18.15
10:La	24.43	2.30
J-10	24.43	12.99
10-6	24.43	14.41
K-10	24.43	14.79
L-10	24.43	17.09
10:La	24.43	18.15
K-6	24.56	14.79
L-6	25.39	17.09
6:La	25.77	18.13
J:10a	26.05	12.99
K:6a	26.05	14.79
L:6a	26.05	17.09

* Coordinates X & Y are in (m)

MATERIALS

Number of materials = 1

STRUCTURAL STEEL

Mat	Name	Fy Kg/cm2	Fbmaj Kg/cm2	Fbmin Kg/cm2	E Kg/cm2	G Kg/cm2	w Kg/m3
1	ASTM A50	3500	2310	2310	2030000	805000	7840.0

MEMBER DATA

Total number of members..... = 196
Number of columns..... = 79
Number of beams ..... = 117
Number of braces ..... = 0

COLUMN SECTIONS

Number of prismatic sections = 21

Sec	Name	Shape	b (cm)	h (cm)	tw (cm)	tf (cm)	P1 (cm)	P2 (cm)	A (cm2)	I2 (cm4)	I3 (cm4)	J (cm4)
1	HEA-100	I	10.00	9.60	0.50	0.80	0.00	-	20.0	332	133	4
2	HEA-120	I	12.00	11.40	0.50	0.80	0.00	-	24.1	580	231	5
3	HEA-140	I	14.00	13.30	0.55	0.85	0.00	-	30.2	995	389	6
4	HEA-160	I	16.00	15.20	0.60	0.90	0.00	-	36.8	1594	615	9
5	HEA-180	I	18.00	17.10	0.60	0.95	0.00	-	43.3	2408	924	11
6	HEA-200	I	20.00	19.00	0.65	1.00	0.00	-	51.1	3509	1334	15
7	HEA-220	I	22.00	21.00	0.70	1.10	0.00	-	61.6	5184	1953	22
8	HEA-240	I	24.00	23.00	0.75	1.20	0.00	-	73.1	7397	2765	31
9	HEA-260	I	26.00	25.00	0.75	1.25	0.00	-	81.9	9886	3662	37
10	HEA-280	I	28.00	27.00	0.80	1.30	0.00	-	92.3	13000	4757	45
11	HEA-300	I	30.00	29.00	0.85	1.40	0.00	-	106.3	17284	6301	60
12	HEA-320	I	30.00	31.00	0.90	1.55	0.00	-	118.1	21812	6977	81
13	HEA-340	I	30.00	33.00	0.95	1.65	0.00	-	127.2	26421	7427	98
14	HEA-360	I	30.00	35.00	1.00	1.75	0.00	-	136.5	31652	7878	118
15	HEA-400	I	30.00	39.00	1.10	1.90	0.00	-	152.7	43260	8554	153
16	HEA-450	I	30.00	44.00	1.15	2.10	0.00	-	171.8	61390	9455	205
17	HEA-500	I	30.00	49.00	1.20	2.30	0.00	-	191.3	84054	10356	269
18	HEA-550	I	30.00	54.00	1.25	2.40	0.00	-	205.5	108327	10808	309
19	HEA-600	I	30.00	59.00	1.30	2.50	0.00	-	220.2	136846	11260	352
20	HEA-650	I	30.00	64.00	1.35	2.60	0.00	-	235.4	169987	11712	400
21	HEA-700	I	30.00	69.00	1.45	2.70	0.00	-	254.2	209209	12166	458

COLUMNS

Column	Story	L (m)	Lu (m)	a (m)	c (m)	Theta (o)	Sec -	Mat -	System -
10-6	01	3.50	3.25	0.00	0.26	80.0	8	1	G&L
10-6	1	1.00	0.93	0.08	0.00	80.0	8	1	G&L
10-6	0	1.00	0.75	0.00	0.26	80.0	8	1	G&L
L-9	01	3.50	3.25	0.00	0.26	135.0	8	1	G&L
L-9	1	1.00	0.93	0.08	0.00	135.0	8	1	G&L
L-9	0	1.00	0.75	0.00	0.26	135.0	8	1	G&L
8-6	01	3.50	3.25	0.00	0.26	40.0	8	1	G&L
8-6	1	1.00	0.93	0.08	0.00	40.0	8	1	G&L
8-6	0	1.00	0.75	0.00	0.26	40.0	8	1	G&L
K-7	01	3.50	3.25	0.00	0.26	0.0	8	1	G&L
K-7	1	1.00	0.93	0.08	0.00	0.0	8	1	G&L
K-7	0	1.00	0.75	0.00	0.26	0.0	8	1	G&L
7-6	01	3.50	3.25	0.00	0.26	0.0	8	1	G&L

Column	Story	L	Lu	a	c	Theta	Sec	Mat	System
7-6	1	1.00	0.93	0.08	0.00	0.0	8	1	G&L
7-6	0	1.00	0.75	0.00	0.26	0.0	8	1	G&L
K-5	01	3.50	3.25	0.00	0.26	0.0	8	1	G&L
K-5	1	1.00	0.93	0.08	0.00	0.0	8	1	G&L
K-5	0	1.00	0.75	0.00	0.26	0.0	8	1	G&L
J-5	1	1.00	0.67	0.08	0.26	0.0	8	1	G&L
J-5	0	1.00	0.75	0.00	0.26	0.0	8	1	G&L
H-5	01	3.50	3.17	0.08	0.26	0.0	8	1	G&L
H-5	1	1.00	0.67	0.08	0.26	0.0	8	1	G&L
H-5	0	1.00	0.75	0.00	0.26	0.0	8	1	G&L
6-4	01	3.50	3.17	0.08	0.26	20.0	8	1	G&L
6-4	1	1.00	0.75	0.00	0.26	20.0	8	1	G&L
6-4	0	1.00	1.00	0.00	0.00	20.0	8	1	G&L
J-4	1	1.00	0.67	0.08	0.26	0.0	8	1	G&L
J-4	0	1.00	0.75	0.00	0.26	0.0	8	1	G&L
K-4	01	3.50	3.25	0.00	0.26	0.0	8	1	G&L
K-4	1	1.00	0.93	0.08	0.00	0.0	8	1	G&L
K-4	0	1.00	0.75	0.00	0.26	0.0	8	1	G&L
I-6	01	3.50	3.17	0.08	0.26	50.0	8	1	G&L
I-6	1	1.00	0.75	0.00	0.26	50.0	8	1	G&L
I-6	0	1.00	1.00	0.00	0.00	50.0	8	1	G&L
E-6	01	3.50	3.17	0.08	0.26	70.0	8	1	G&L
E-6	1	1.00	0.75	0.00	0.26	70.0	8	1	G&L
E-6	0	1.00	1.00	0.00	0.00	70.0	8	1	G&L
F-3	01	3.50	3.17	0.08	0.26	60.0	8	1	G&L
F-3	1	1.00	0.67	0.08	0.26	60.0	8	1	G&L
F-3	0	1.00	0.75	0.00	0.26	60.0	8	1	G&L
C-6	01	3.50	3.17	0.08	0.26	70.0	8	1	G&L
C-6	1	1.00	0.75	0.00	0.26	70.0	8	1	G&L
C-6	0	1.00	1.00	0.00	0.00	70.0	8	1	G&L
K-3	01	3.50	3.25	0.00	0.26	0.0	8	1	G&L
K-3	1	1.00	0.93	0.08	0.00	0.0	8	1	G&L
K-3	0	1.00	0.75	0.00	0.26	0.0	8	1	G&L
F-I	01	3.50	3.17	0.08	0.26	60.0	8	1	G&L
F-I	1	1.00	0.67	0.08	0.26	60.0	8	1	G&L
F-I	0	1.00	0.75	0.00	0.26	50.0	8	1	G&L
E-2	01	3.50	3.17	0.08	0.26	170.0	8	1	G&L
E-2	1	1.00	0.75	0.00	0.26	170.0	8	1	G&L
E-2	0	1.00	1.00	0.00	0.00	170.0	8	1	G&L
K-1	01	3.50	3.25	0.00	0.26	0.0	8	1	G&L
K-1	1	1.00	0.93	0.08	0.00	0.0	8	1	G&L
K-1	0	1.00	0.75	0.00	0.26	0.0	8	1	G&L
I-1	01	3.50	3.25	0.00	0.26	50.0	8	1	G&L
I-1	1	1.00	0.93	0.08	0.00	50.0	8	1	G&L
I-1	0	1.00	0.75	0.00	0.26	50.0	8	1	G&L
F-G	01	3.50	3.17	0.08	0.26	60.0	8	1	G&L
F-G	1	1.00	0.67	0.08	0.26	60.0	8	1	G&L
F-G	0	1.00	0.75	0.00	0.26	60.0	8	1	G&L
B-2	01	3.50	3.17	0.08	0.26	160.0	8	1	G&L
B-2	1	1.00	0.75	0.00	0.26	160.0	8	1	G&L
B-2	0	1.00	1.00	0.00	0.00	160.0	8	1	G&L
G-1	01	3.50	3.25	0.00	0.26	50.0	8	1	G&L
G-1	1	1.00	0.93	0.08	0.00	50.0	8	1	G&L
G-1	0	1.00	0.75	0.00	0.26	50.0	8	1	G&L
E-F	01	3.50	3.17	0.08	0.26	60.0	8	1	G&L
E-F	1	1.00	0.67	0.08	0.26	50.0	8	1	G&L
E-F	0	1.00	0.75	0.00	0.26	50.0	8	1	G&L
E-1	01	3.50	3.17	0.08	0.26	50.0	8	1	G&L
E-1	1	1.00	0.67	0.08	0.26	50.0	8	1	G&L

Column	Story	L	Lu	a	c	Theta	Sec	Mat	System
E-1	0	1.00	0.75	0.00	0.26	50.0	8	1	G&L
C-1	01	3.50	3.17	0.08	0.26	55.0	8	1	G&L
C-1	1	1.00	0.67	0.08	0.26	55.0	8	1	G&L
C-1	0	1.00	0.75	0.00	0.26	55.0	8	1	G&L
A-1	01	3.50	3.17	0.08	0.26	60.0	8	1	G&L
A-1	1	1.00	0.75	0.00	0.26	60.0	8	1	G&L
A-1	0	1.00	1.00	0.00	0.00	60.0	8	1	G&L

BEAM SECTIONS

Number of prismatic sections = 19

Sec	Name	Shape	b (cm)	h (cm)	tw (cm)	tf (cm)	P1 (cm)	P2 (cm)	A (cm2)	I2 (cm4)	I3 (cm4)	J (cm4)
1	IPE-080	I	4.60	8.00	0.38	0.52	0.00	-	7.4	78	8	1
2	IPE-100	I	0.55	10.00	0.41	0.57	0.00	-	4.3	38	0	0
3	IPE-120	I	6.40	12.00	0.44	0.63	0.00	-	12.8	306	28	1
4	IPE-140	I	7.30	14.00	0.47	0.69	0.00	-	16.0	525	45	2
5	IPE-160	I	8.20	16.00	0.50	0.74	0.00	-	19.4	835	68	3
6	IPE-180	I	9.10	18.00	0.53	0.80	0.00	-	23.3	1272	101	4
7	IPE-200	I	10.00	20.00	0.56	0.85	0.00	-	27.3	1845	142	5
8	IPE-220	I	11.00	22.00	0.59	0.92	0.00	-	32.1	2653	204	7
9	IPE-240	I	12.00	24.00	0.62	0.98	0.00	-	37.2	3671	283	9
10	IPE-270	I	13.50	27.00	0.66	1.02	0.00	-	44.0	5505	419	12
11	IPE-300	I	15.00	30.00	0.71	1.07	0.00	-	51.9	7999	603	16
12	IPE-330	I	16.00	33.00	0.75	1.15	0.00	-	59.8	11145	786	21
13	IPE-360	I	17.00	36.00	0.80	1.27	0.00	-	70.0	15524	1041	29
14	IPE-400	I	18.00	40.00	0.86	1.35	0.00	-	80.7	21876	1314	37
15	IPE-450	I	19.00	45.00	0.94	1.46	0.00	-	95.0	32140	1672	51
16	IPE-500	I	20.00	50.00	1.02	1.60	0.00	-	111.7	46207	2137	71
17	IPE-550	I	21.00	55.00	1.11	1.72	0.00	-	129.5	63965	2661	95
18	IPE-600	I	22.00	60.00	1.20	1.90	0.00	-	151.0	88326	3380	133
19	IPE-750	I	26.50	75.30	1.30	1.70	0.00	-	183.6	162306	5286	139

BEAMS

Beam	Floor	L (m)	Lu (m)	a (m)	c (m)	Sec -	Mat -	System -
1(D-E)	1	0.22	0.10	0.00	0.12	12	1	G&L
1(E-G)	1	2.99	2.75	0.12	0.12	12	1	G&L
1(G-H)	1	0.85	0.73	0.12	0.00	12	1	G&L
1(H-I)	1	1.66	1.54	0.00	0.12	12	1	G&L
K(1-3)	1	1.96	1.72	0.12	0.12	12	1	G&L
K(3-4)	1	3.58	3.34	0.12	0.12	12	1	G&L
K(4-5)	1	3.58	3.34	0.12	0.12	12	1	G&L
I(F-H)	1	0.46	0.34	0.12	0.00	12	1	G&L
F(E-G)	1	2.52	2.28	0.12	0.12	12	1	G&L
F(G-H)	1	1.78	1.66	0.12	0.00	12	1	G&L
F(H-I)	1	0.35	0.23	0.00	0.12	12	1	G&L
F(I-Ia)	1	1.35	1.23	0.12	0.00	12	1	G&L
F(Ia-3)	1	1.12	1.00	0.00	0.12	12	1	G&L
J(3-4)	1	2.80	2.56	0.12	0.12	12	1	G&L
J(4-5)	1	2.79	2.55	0.12	0.12	12	1	G&L
K(5-7)	1	2.30	2.06	0.12	0.12	12	1	G&L
1(C-D)	1	1.79	1.67	0.12	0.00	12	1	G&L
B(1-F)	01	3.38	3.27	0.12	0.00	12	1	G&L
B(F-2)	01	2.41	2.29	0.00	0.12	12	1	G&L
C(1-F)	01	1.86	1.75	0.12	0.00	12	1	G&L
C(F-2)	01	2.22	2.10	0.00	0.12	12	1	G&L
C(2-6)	01	4.74	4.50	0.12	0.12	12	1	G&L
D(1-F)	01	1.68	1.68	0.00	0.00	12	1	G&L
E(F-2)	01	3.18	2.94	0.12	0.12	12	1	G&L
E(2-6)	01	2.83	2.60	0.12	0.12	12	1	G&L
F(B-C)	01	0.49	0.49	0.00	0.00	12	1	G&L
F(C-D)	01	1.11	1.11	0.00	0.00	12	1	G&L
F(D-E)	01	1.25	1.13	0.00	0.12	12	1	G&L
F(E-G)	01	2.52	2.28	0.12	0.12	12	1	G&L

Company: EVALUACION ESTRUCTURAL SAS **Engineer: ANTONIO JOSE FUERTES C.**
Project: HALL ACCESO NORTE HACIENDA EL CARMEN **12:21:13 p.m. 30/01/2023**

Beam	Floor	L	Lu	a	c	Sec	Mat	System
F(G-H)	01	1.78	1.66	0.12	0.00	12	1	G&L
F(H-I)	01	0.35	0.23	0.00	0.12	12	1	G&L
F(I-Ia)	01	1.35	1.23	0.12	0.00	12	1	G&L
F(Ia-3)	01	1.12	1.00	0.00	0.12	12	1	G&L
G(F-2)	01	3.15	3.04	0.12	0.00	12	1	G&L
G(2-6)	01	1.82	1.81	0.00	0.00	12	1	G&L
I(F-H)	01	0.46	0.34	0.12	0.00	12	1	G&L
I(H-6)	01	3.85	3.73	0.00	0.12	12	1	G&L
J(3-4)	01	2.80	2.56	0.12	0.12	12	1	G&L
J(4-5)	01	2.79	2.55	0.12	0.12	12	1	G&L
B(1-F)	2	3.38	3.27	0.12	0.00	12	1	G&L
B(F-2)	2	2.41	2.29	0.00	0.12	12	1	G&L
C(1-F)	2	1.86	1.75	0.12	0.00	12	1	G&L
C(F-2)	2	2.22	2.10	0.00	0.12	12	1	G&L
C(2-6)	2	4.74	4.50	0.12	0.12	12	1	G&L
E(1-F)	2	2.03	1.80	0.12	0.12	12	1	G&L
E(F-2)	2	3.18	2.94	0.12	0.12	12	1	G&L
E(2-6)	2	2.83	2.60	0.12	0.12	12	1	G&L
G(1-F)	2	1.80	1.57	0.12	0.12	12	1	G&L
G(F-2)	2	3.15	3.04	0.12	0.00	12	1	G&L
G(2-6)	2	1.82	1.81	0.00	0.00	12	1	G&L
I(1-F)	2	1.74	1.51	0.12	0.12	12	1	G&L
I(F-H)	2	0.46	0.35	0.12	0.00	12	1	G&L
I(H-6)	2	3.85	3.73	0.00	0.12	12	1	G&L
K(1-3)	2	1.95	1.71	0.12	0.12	12	1	G&L
K(3-4)	2	3.59	3.35	0.12	0.12	12	1	G&L
K(4-5)	2	3.57	3.33	0.12	0.12	12	1	G&L
K(5-7)	2	2.31	2.07	0.12	0.12	12	1	G&L
1(I-K)	1	2.08	1.84	0.12	0.12	12	1	G&L
4(J-K)	1	1.96	1.73	0.12	0.12	12	1	G&L
5(H-J)	1	1.50	1.27	0.12	0.12	12	1	G&L
5(J-K)	1	1.80	1.57	0.12	0.12	12	1	G&L
6(H-7)	1	2.32	2.08	0.12	0.12	12	1	G&L
6(7-7a)	1	1.58	1.46	0.12	0.00	12	1	G&L
6(7a-8)	1	1.21	1.09	0.00	0.12	12	1	G&L
6(8-J)	1	1.21	1.09	0.12	0.00	12	1	G&L
6(J-10)	1	1.55	1.43	0.00	0.12	12	1	G&L
7(6-J)	1	1.83	1.72	0.12	0.00	12	1	G&L
7(J-K)	1	1.80	1.69	0.00	0.12	12	1	G&L
1(B-C)	01	2.59	2.35	0.12	0.12	12	1	G&L
1(C-D)	01	1.79	1.67	0.12	0.00	12	1	G&L
1(D-E)	01	0.22	0.10	0.00	0.12	12	1	G&L
2(C-E)	01	3.23	3.00	0.12	0.12	12	1	G&L
3(6-H)	01	1.58	1.58	0.00	0.00	12	1	G&L
3(H-J)	01	2.00	1.88	0.00	0.12	12	1	G&L
4(6-H)	01	0.41	0.29	0.12	0.00	12	1	G&L
4(H-J)	01	1.64	1.53	0.00	0.12	12	1	G&L
5(H-J)	01	1.50	1.27	0.12	0.12	12	1	G&L
6(C-E)	01	3.02	2.78	0.12	0.12	12	1	G&L
6(E-G)	01	1.07	0.94	0.12	0.00	12	1	G&L
6(G-I)	01	1.06	0.93	0.00	0.12	12	1	G&L
6(I-3)	01	1.29	1.17	0.12	0.00	12	1	G&L
6(3-4)	01	1.51	1.39	0.00	0.12	12	1	G&L
6(4-H)	01	2.01	1.77	0.12	0.12	12	1	G&L
1(B-C)	2	2.59	2.35	0.12	0.12	12	1	G&L
1(C-D)	2	1.79	1.67	0.12	0.00	12	1	G&L
1(D-E)	2	0.22	0.10	0.00	0.12	12	1	G&L
1(E-G)	2	2.99	2.75	0.12	0.12	12	1	G&L
1(G-H)	2	0.86	0.74	0.12	0.00	12	1	G&L
1(H-I)	2	1.65	1.53	0.00	0.12	12	1	G&L
1(I-K)	2	2.08	1.85	0.12	0.12	12	1	G&L
3(6-H)	2	1.58	1.58	0.00	0.00	12	1	G&L
3(H-J)	2	2.00	1.88	0.00	0.12	12	1	G&L
3(J-K)	2	2.39	2.16	0.12	0.12	12	1	G&L
4(6-H)	2	0.41	0.29	0.12	0.00	12	1	G&L
4(H-K)	2	3.61	3.49	0.00	0.12	12	1	G&L
5(H-K)	2	3.31	3.08	0.12	0.12	12	1	G&L
6(C-E)	2	3.02	2.78	0.12	0.12	12	1	G&L
6(E-G)	2	1.07	0.94	0.12	0.00	12	1	G&L
6(G-I)	2	1.06	0.93	0.00	0.12	12	1	G&L
6(I-3)	2	1.29	1.17	0.12	0.00	12	1	G&L
6(3-4)	2	1.51	1.39	0.00	0.12	12	1	G&L
6(4-H)	2	2.01	1.77	0.12	0.12	12	1	G&L
6(H-7)	2	2.32	2.08	0.12	0.12	12	1	G&L
6(7-7a)	2	1.58	1.46	0.12	0.00	12	1	G&L

1069