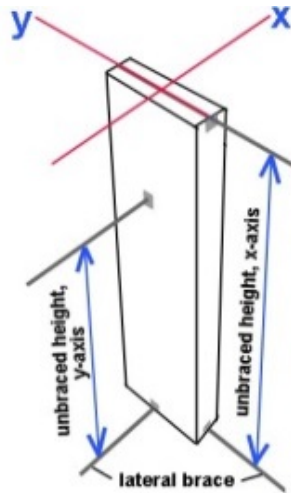
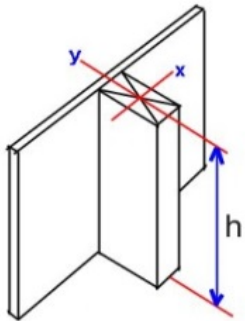
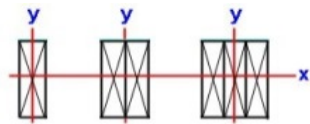


COLUMNS

Post No.	Type	Grade	Exp.	PT	Bearing	dx	dy	Force (P)	hgt. (H)	lex	ley	ex	ey	Cd	CM_b	CM_c1	CM_c	CM_e	Ct	CF_b	CF_c	Ci	Ci_e	Cr	Cb	(le/d)x	(le/d)y	A	Sx	Sy	Kfx	Kfy
P1	6x6	DF No. 2	dry	N	HF	5.50	5.50	9646	7.9	7.9	1.0	0.92	0.92	1.00	1	1	1	1	1	1	1	1	1	1	1	17.18	2.18	30.25	27.73	27.73	1.00	1.00
P2	5-1/4x5-1/2	PSL 1.7	dry	N	STEEL	5.50	5.25	19669	7.9	7.9	1.0	0.92	0.88	1.00	1	1	1	1	1	1.091	1	1	1	1	1	17.18	2.29	28.88	26.47	25.27	1.00	1.00
P3	4x6	DF No. 2	dry	N	HF	5.50	3.50	2942	7.9	1.0	7.9	0.92	0.58	1.00	1	1	1	1	1	1.3	1.1	1	1	1	1	2.18	27.00	19.25	17.65	11.23	1.00	1.00
P4	6x6	HF No. 2	wet	Y	NONE	5.50	5.50	2180	9.0	9.0	9.0	0.92	0.92	1.00	1	0.67	0.91	1	1	1	1	0.8	0.95	1	1	19.64	19.64	30.25	27.73	27.73	1.00	1.00
P5	6x6	HF No. 2	wet	Y	NONE	5.50	5.50	1309	8.0	8.0	8.0	0.92	0.92	1.25	1	0.67	0.91	1	1	1	1	0.8	0.95	1	1	17.45	17.45	30.25	27.73	27.73	1.00	1.00
P6	6x6	DF No. 2	dry	N	DF	5.50	5.50	1204	8.0	1.0	1.0	0.92	0.92	1.25	1	1	1	1	1	1	1	1	1	1	1	2.18	2.18	30.25	27.73	27.73	1.00	1.00
P7	(2) 2x4	DF No. 2	dry	N	DF	3.50	3.00	1640	6.7	6.7	1.0	0.58	0.50	1.25	1	1	1	1	1	1.5	1.15	1	1	1	1	22.83	4.00	10.50	6.13	5.25	1.00	0.60
P8	(2) 2x4	DF No. 2	dry	N	DF	3.50	3.00	1491	7.0	7.0	1.0	0.58	0.50	1.25	1	1	1	1	1	1.5	1.15	1	1	1	1	24.00	4.00	10.50	6.13	5.25	1.00	0.60
P9	(2) 2x4	DF No. 2	dry	N	HF	3.50	3.00	1491	9.0	9.0	1.0	0.58	0.50	1.25	1	1	1	1	1	1.5	1.15	1	1	1	1	30.86	4.00	10.50	6.13	5.25	1.00	0.60
P10	(2) 2x4	DF No. 2	dry	N	HF	3.50	3.00	672	8.0	1.0	8.0	0.58	0.50	1.25	1	1	1	1	1	1.5	1.15	1	1	1	1	3.43	32.00	10.50	6.13	5.25	1.00	0.60
P11	4x4	HF No. 2	wet	Y	NONE	3.50	3.50	602	12.0	8.0	8.0	0.58	0.58	1.25	0.85	0.67	0.8	0.9	1	1.5	1.15	0.8	0.95	1	1	27.43	27.43	12.25	7.15	7.15	1.00	1.00
P12	4x6	DF No. 2	dry	N	HF	5.50	3.50	2412	9.0	9.0	1.0	0.92	0.58	1.00	1	1	1	1	1	1.3	1.1	1	1	1	1	19.64	3.43	19.25	17.65	11.23	1.00	1.00
P13	(3) 2x4	DF No. 2	dry	N	HF	3.50	4.50	1783	9.0	1.0	9.0	0.58	0.75	1.00	1	1	1	1	1	1.5	1.15	1	1	1	1	3.43	24.00	15.75	9.19	11.81	1.00	0.60
P14	(3) 2x4	DF No. 2	dry	N	HF	3.50	4.50	1958	9.0	1.0	1.0	0.58	0.75	1.00	1	1	1	1	1	1.5	1.15	1	1	1	1	3.43	2.67	15.75	9.19	11.81	1.00	0.60
P15	4x6	DF No. 2	dry	N	HF	5.50	3.50	1598	8.0	8.0	1.0	0.92	0.58	1.25	1	1	1	1	1	1.3	1.1	1	1	1	1	17.45	3.43	19.25	17.65	11.23	1.00	1.00
P16	(3) 2x4	DF No. 2	dry	N	HF	3.50	4.50	1598	8.0	1.0	1.0	0.58	0.75	1.25	1	1	1	1	1	1.5	1.15	1	1	1	1	3.43	2.67	15.75	9.19	11.81	1.00	0.60
FP1	4x6	HF No. 2	dry	Y	DF	5.50	3.50	7600	4.0	4.0	4.0	0.92	0.58	1.00	1	1	1	1	1	1.3	1.1	0.8	0.95	1	1	8.73	13.71	19.25	17.65	11.23	1.00	1.00
FP2	4x4	HF No. 2	dry	Y	DF	3.50	3.50	4752	4.0	4.0	4.0	0.58	0.58	1.00	1	1	1	1	1	1.5	1.15	0.8	0.95	1	1	13.71	13.71	12.25	7.15	7.15	1.00	1.00



	2"-4" Thick DF No. 1	2"-4" Thick DF No. 2	2"-4" Thick HF No. 1	2"-4" Thick HF No. 2	
Fc	1500	1350	1350	1300	psi
Fbx	1000	900	975	850	psi
Fby	1000	900	975	850	psi
Ex	1,700,000	1,600,000	1,500,000	1,300,000	psi
Ey	1,700,000	1,600,000	1,500,000	1,300,000	psi
Eminx	620,000	580,000	550,000	470,000	psi
Eminy	620,000	580,000	550,000	470,000	psi

Mech. Lamination Method

Nailed

Post No.	E'minx	E'miny	FcEx	FcEy	Fc*	c	Cpx	Cpy	Cp	Fc'	fc	Axial													
												Check 1	lux	luy	lux/dx	luy/dy	lebx	leby	Rbx	Rby	Fbex	Fbey	Fbe	Fbx*	Fby*
P1	470000	470000	1309	81158	700	0.80	0.856	0.998	0.856	599	319	0.532	1.00	7.88	2.18	17.18	2.06	14.49	2.12	5.62	125485	17840	17840	750	750
P2	865000	865000	2409	136096	3000	0.90	0.668	0.998	0.668	2005	681	0.340	1.00	7.88	2.18	18.00	2.06	14.49	2.22	5.49	210429	34396	34396	2890	2617
P3	580000	580000	100153	654	1485	0.80	0.997	0.390	0.390	580	153	0.264	7.88	1.00	17.18	3.43	14.49	2.06	8.84	1.69	8915	243343	8915	1170	1170
P4	380000	380000	810	810	419	0.80	0.862	0.862	0.862	361	72	0.200	9.00	9.00	19.64	19.64	16.56	16.56	6.01	6.01	12621	12621	12621	460	460
P5	380000	380000	1025	1025	523	0.80	0.864	0.864	0.864	452	43	0.096	8.00	8.00	17.45	17.45	14.72	14.72	5.67	5.67	14198	14198	14198	575	575
P6	470000	470000	81158	81158	875	0.80	0.998	0.998	0.998	873	40	0.046	1.00	1.00	2.18	2.18	2.06	2.06	2.12	2.12	125485	125485	125485	938	938
P7	580000	580000	914	29798	1941	0.80	0.413	0.592	0.413	802	156	0.195	1.00	6.66	3.43	26.64	2.06	12.25	3.10	6.00	72399	19326	19326	1688	1688
P8	580000	580000	828	29798	1941	0.80	0.380	0.592	0.380	737	142	0.193	1.00	7.00	3.43	28.00	2.06	12.88	3.10	6.15	72399	18388	18388	1688	1688
P9	580000	580000	501	29798	1941	0.80	0.242	0.592	0.242	471	142	0.302	1.00	9.00	3.43	36.00	2.06	16.56	3.10	6.98	72399	14302	14302	1688	1688
P10	580000	580000	40558	466	1941	0.80	0.990	0.136	0.136	264	64	0.243	8.00	1.00	27.43	4.00	14.72	2.06	8.29	2.46	10132	114968	10132	1688	1688
P11	401850	401850	439	439	1196	0.80	0.334	0.334	0.334	399	49	0.123	8.00	8.00	27.43	27.43	14.72	14.72	7.10	7.10	9555	9555	9555	1084	1084
P12	580000	580000	1236	40558	1485	0.80	0.625	0.993	0.625	928	125	0.135	1.00	9.00	2.18	30.86	2.06	16.56	3.33	4.80	62710	30271	30271	1170	1170
P13	580000	580000	40558	828	1552	0.80	0.992	0.274	0.274	425	113	0.266	9.00	1.00	30.86	2.67	16.56	2.06	5.86	3.01	20264	76645	20264	1350	1350
P14	580000	580000	40558	67044	1552	0.80	0.992	0.597	0.597	927	124	0.134	1.00	1.00	3.43	2.67	2.06	2.06	2.07	3.01	162899	76645	76645	1350	1350
P15	580000	580000	1565	40558	1856	0.80	0.629	0.991	0.629	1168	83	0.071	1.00	8.00	2.18	27.43	2.06	14.72	3.33	4.52	62710	34055	34055	1463	1463
P16	580000	580000	40558	67044	1941	0.80	0.990	0.596	0.596	1158	101	0.088	1.00	1.00	3.43	2.67	2.06	2.06	2.07	3.01	162899	76645	76645	1688	1688
FP1	446500	446500	4819	1951	1144	0.80	0.945	0.838	0.838	959	395	0.412	4.00	4.00	8.73	13.71	7.90	7.40	6.52	3.20	12596	52184	12596	884	884
FP2	446500	446500	1951	1951	1196	0.80	0.829	0.829	0.829	991	388	0.391	4.00	4.00	13.71	13.71	7.40	7.40	5.04	5.04	21133	21133	21133	1020	1020

	5"x5" & Larger	5"x5" & Larger	5"x5" & Larger	5"x5" & Larger	
	DF No. 1	DF No. 2	HF No. 1	HF No. 2	
Fc	1000	700	850	575	psi
Fbx	1200	750	975	575	psi
Fby	1200	750	975	575	psi
Ex	1,600,000	1,300,000	1,300,000	1,100,000	psi
Ey	1,600,000	1,300,000	1,300,000	1,100,000	psi
Eminx	580,000	470,000	470,000	400,000	psi
Eminy	580,000	470,000	470,000	400,000	psi

	PSL 1.7 2650	
	VERSA-LAM	
Fc	3000	psi
Fbx	2650	psi
Fby	2400	psi
Ex	1,700,000	psi
Ey	1,700,000	psi
Eminx	865,000	psi
Eminy	865,000	psi

Notes:

1. A minimum eccentricity of 1/2 inch or 16.7% of the column width is considered about both principal axes, whichever is greater.
2. The bending moment of the column due to the eccentricities is calculated independently for each axis.
2. Flat use factor in bending interaction equations about any minor axis is conservatively set to unity.

Post No.	CLx	Cly	Fbx'	Fby'	ecc fbx	ecc fby	Bending X		Bending Y		Pdelta x	Pdelta y	Amp Ecc x	Amp Ecc y	Combined X		Combined Y		Bearing	
							Check 2	Check 3	Check 4	Check 5					Fcperp'	Check 6				
P1	1.000	1.000	750	750	320	320	0.426	0.426	1.32	1.00	1.06	1.00	0.879	0.712	405.00	0.787				
P2	0.999	1.000	2888	2617	683	683	0.236	0.261	1.39	1.01	1.07	1.00	0.467	0.378	36000.00	0.019				
P3	0.993	1.000	1161	1170	153	153	0.132	0.131	1.00	1.30	1.00	1.05	0.202	0.250	405.00	0.377				
P4	1.000	1.000	460	460	72	72	0.157	0.157	1.10	1.10	1.02	1.02	0.216	0.216	#N/A	#N/A				
P5	1.000	1.000	575	575	43	43	0.075	0.075	1.04	1.04	1.01	1.01	0.089	0.089	#N/A	#N/A				
P6	1.000	1.000	938	938	40	40	0.043	0.043	1.00	1.00	1.00	1.00	0.045	0.045	625.00	0.064				
P7	0.999	1.000	1685	1688	157	157	0.093	0.093	1.21	1.01	1.04	1.00	0.154	0.131	625.00	0.250				
P8	0.999	1.000	1685	1688	142	142	0.084	0.084	1.21	1.00	1.04	1.00	0.143	0.122	625.00	0.227				
P9	0.999	1.000	1685	1688	142	142	0.084	0.084	1.40	1.00	1.07	1.00	0.217	0.176	405.00	0.351				
P10	0.990	1.000	1671	1688	64	64	0.038	0.038	1.00	1.16	1.00	1.03	0.097	0.104	405.00	0.158				
P11	1.000	1.000	1084	1084	49	49	0.045	0.045	1.13	1.13	1.03	1.03	0.068	0.068	#N/A	#N/A				
P12	0.999	1.000	1169	1170	126	126	0.107	0.107	1.11	1.00	1.02	1.00	0.141	0.126	405.00	0.309				
P13	1.000	0.999	1350	1349	113	113	0.084	0.084	1.00	1.16	1.00	1.03	0.155	0.171	405.00	0.280				
P14	1.000	0.999	1350	1349	125	125	0.092	0.092	1.00	1.00	1.00	1.00	0.111	0.111	405.00	0.307				
P15	0.999	1.000	1461	1463	83	83	0.057	0.057	1.06	1.00	1.01	1.00	0.066	0.062	405.00	0.205				
P16	1.000	0.999	1688	1686	102	102	0.060	0.060	1.00	1.00	1.00	1.00	0.068	0.068	405.00	0.251				
FP1	0.996	1.000	881	884	396	396	0.449	0.448	1.09	1.25	1.02	1.05	0.668	0.757	625.00	0.632				
FP2	1.000	1.000	1020	1020	389	389	0.381	0.381	1.25	1.25	1.05	1.05	0.651	0.651	625.00	0.621				

Post No.	Dead	Floor Live	Roof Live	Snow	Wind	Seismic	Cd = 0.90		Cd = 1.00		Cd = 1.15/1.25		Cd = 1.15/1.25		Cd = 1.60		Cd = 1.60		Cd = 1.60		Max.	Max.	Cd	LC
							LC1	LC1/Cd	LC2	LC2/Cd	LC3	LC3/Cd	LC4	LC4/Cd	LC5	LC5/Cd	LC6a	LC6a/Cd	LC6b	LC6b/Cd	Bearing	LC		
P1	4,646	5,000	0	0	0	0	4,646	5,162	9,646	9,646	4,646	4,040	8,396	7,301	4,646	2,904	8,396	5,248	8,396	5,248	9,646	9,646	1.00	LC2
P2	10,000	9,669	0	0	0	0	10,000	11,111	19,669	19,669	10,000	8,696	17,252	15,002	10,000	6,250	17,252	10,782	17,252	10,782	19,669	19,669	1.00	LC2
P3	0	2,942	0	0	0	0	0	0	2,942	2,942	0	0	2,207	1,919	0	0	2,207	1,379	2,207	1,379	2,942	2,942	1.00	LC2
P4	0	2,180	0	0	0	0	0	0	2,180	2,180	0	0	1,635	1,422	0	0	1,635	1,022	1,635	1,022	2,180	2,180	1.00	LC2
P5	0	0	1,309	0	0	0	0	0	0	0	1,309	1,047	982	785	0	0	982	614	0	0	1,309	1,309	1.25	LC3
P6	0	0	1,204	0	0	0	0	0	0	0	1,204	963	903	722	0	0	903	564	0	0	1,204	1,204	1.25	LC3
P7	0	0	1,640	0	0	0	0	0	0	0	1,640	1,312	1,230	984	0	0	1,230	769	0	0	1,640	1,640	1.25	LC3
P8	0	0	1,491	0	0	0	0	0	0	0	1,491	1,193	1,118	895	0	0	1,118	699	0	0	1,491	1,491	1.25	LC3
P9	0	0	1,491	0	0	0	0	0	0	0	1,491	1,193	1,118	895	0	0	1,118	699	0	0	1,491	1,491	1.25	LC3
P10	0	0	672	0	0	0	0	0	0	0	672	538	504	403	0	0	504	315	0	0	672	672	1.25	LC3
P11	0	0	602	0	0	0	0	0	0	0	602	482	452	361	0	0	452	282	0	0	602	602	1.25	LC3
P12	0	2,412	0	0	0	0	0	0	2,412	2,412	0	0	1,809	1,573	0	0	1,809	1,131	1,809	1,131	2,412	2,412	1.00	LC2
P13	0	1,783	0	0	0	0	0	0	1,783	1,783	0	0	1,337	1,163	0	0	1,337	836	1,337	836	1,783	1,783	1.00	LC2
P14	0	1,958	0	0	0	0	0	0	1,958	1,958	0	0	1,469	1,277	0	0	1,469	918	1,469	918	1,958	1,958	1.00	LC2
P15	0	0	1,598	0	0	0	0	0	0	0	1,598	1,278	1,199	959	0	0	1,199	749	0	0	1,598	1,598	1.25	LC3
P16	0	0	1,598	0	0	0	0	0	0	0	1,598	1,278	1,199	959	0	0	1,199	749	0	0	1,598	1,598	1.25	LC3
FP1	0	7,600	0	0	0	0	0	0	7,600	7,600	0	0	5,700	4,957	0	0	5,700	3,563	5,700	3,563	7,600	7,600	1.00	LC2
FP2	0	4,752	0	0	0	0	0	0	4,752	4,752	0	0	3,564	3,099	0	0	3,564	2,228	3,564	2,228	4,752	4,752	1.00	LC2