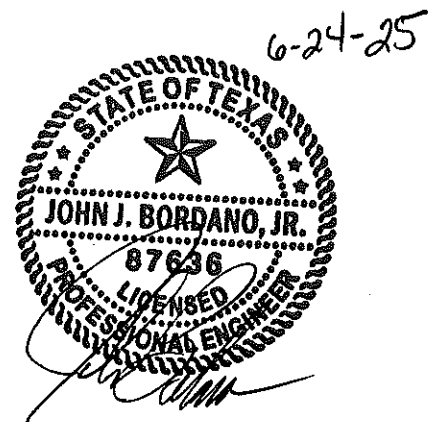


Horizon Structural Systems, Inc.

Allowable Diaphragm Shear and Shear Stiffness									
Panel Type	Panel Gage	Panel Span			Sidelap Fastener Spacing, inches	n_s	Shear Value Seismic, plf	Shear Value Wind, plf	Shear Stiffness G' , kips/inch
7.2	22	2	@	5'-0"	20	7.00	346.77	368.90	44.96
7.2	22	2	@	4'-0"	20	6.00	383.89	408.39	45.86
7.2	22	2	@	3'-0"	20	5.00	435.75	463.56	45.93
7.2	22	2	@	2'-6"	20	4.00	457.90	487.13	44.61
7.2	22	2	@	2'-0"	20	4.00	509.40	541.91	43.41
7.2	22	3	@	5'-0"	20	10.00	319.77	340.18	45.70
7.2	22	3	@	4'-0"	20	9.00	361.53	384.60	48.30
7.2	22	3	@	3'-0"	20	7.00	403.09	428.82	49.52
7.2	22	3	@	2'-6"	20	6.00	431.85	459.42	49.81
7.2	22	3	@	2'-0"	20	5.00	468.42	498.32	49.48
7.2	22	4	@	5'-0"	20	13.00	305.45	324.95	45.85
7.2	22	4	@	4'-0"	20	11.00	337.57	359.12	48.33
7.2	22	4	@	3'-0"	20	9.00	384.85	409.41	51.24
7.2	22	4	@	2'-6"	20	7.00	402.28	427.96	51.49
7.2	22	4	@	2'-0"	20	6.00	443.06	471.34	52.73

Notes

- 1 Side Lap Fasteners (#12 at 20" o.c.)
- 2 End Support Fasteners (#12 at 7.2" o.c.)
- 3 Interior Support Fasteners (#14.4" o.c.)
- 4 No panel laps are allowed in panel shear zone
- 5 No panel Interruptions (Framed Openings or other panel openings) are allowed
- 6 Diaphragm Stiffness evaluated at W/120 (W = Panel Lengths)



Tx. Firm #911