

FLARE STRUT SKEW RATIO TABLE**SR = 50, FT = 5.125", APE****MERCALLI XII**

SR	=	50	End Connection Skew Ratio
FT	=	5.125	Framing Thickness (inches)
EC1-S	=	2.00	EC1 - Spread Dimension (inches)
EC1-R	=	4.125	EC1 - Run Dimension (inches)
VP1	=	0.25	Shear Plate - Run Dimension (inches)
EC2-S	=	3.00	EC2 - Spread Dimension (inches)
EC2-R	=	6.00	EC2 - Run Dimension (inches)
SP-S	=	0.25	Screw Plate - Spread Dimension (inches)
FS-S	=	Flare Strut Spread Dimension (feet). Centerline of beam to centerline of EC1 anchor.	
FS-R	=	Flare Strut Run Dimension (feet). Face of wall to centerline of EC2 connecting bolt.	
PB-PB	=	Strut Length - Pin Bolt to Pin Bolt (feet)	
TS	=	Strut Length - TS Element (feet)	

Flare Strut		Strut Length		
Spread	Run	PB-PB	TS	Overall
2.50	4.56	4.13	3.26	4.43
2.67	4.90	4.51	3.64	4.81
2.83	5.22	4.87	4.00	5.16
4.00	7.56	7.49	6.61	7.78
4.17	7.90	7.87	6.99	8.16
4.33	8.22	8.23	7.35	8.52
4.50	8.56	8.61	7.73	8.90
4.67	8.90	8.99	8.11	9.28
4.83	9.22	9.34	8.47	9.64
5.00	9.56	9.72	8.85	10.02
5.17	9.90	10.10	9.23	10.40
5.33	10.22	10.46	9.59	10.75
5.50	10.56	10.84	9.97	11.13
5.67	10.90	11.22	10.35	11.51
5.83	11.22	11.58	10.71	11.87
6.00	11.56	11.96	11.09	12.25
6.17	11.90	12.34	11.47	12.63
6.33	12.22	12.70	11.82	12.99
6.50	12.56	13.08	12.20	13.37
6.67	12.90	13.46	12.58	13.75
6.83	13.22	13.82	12.94	14.11
7.00	13.56	14.20	13.32	14.49
7.17	13.90	14.58	13.70	14.87
7.33	14.22	14.93	14.06	15.23
7.50	14.56	15.31	14.44	15.61
7.67	14.90	15.69	14.82	15.99
7.83	15.22	16.05	15.18	16.34
8.00	15.56	16.43	15.56	16.72
8.17	15.90	16.81	15.94	17.10
8.33	16.22	17.17	16.30	17.46
8.50	16.56	17.55	16.68	17.84
8.67	16.90	17.93	17.06	18.22
8.83	17.22	18.29	17.41	18.58
9.00	17.56	18.67	17.79	18.96