

1			2			3			4			5			6			7			8											
			556.5 KCMIL 26/7 ACSR "DOVE" 500# @ NESC HEAVY															EX to 1												VIBRATION DAMPER PLACEMENT		
			SAG FT															3RD WAVE TIME SEC.														
STR #	RULING SPAN FT	AHEAD SPAN FT	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F
EX	36	36	0.65	0.70	0.74	0.78	0.81	0.85	0.89	0.92	0.94	0.96	0.97	0.99	1.01	1.02	1.04	2.41	2.49	2.57	2.63	2.70	2.76	2.81	2.87	2.90	2.93	2.95	2.98	3.00	3.02	3.04
SUB-PHASE TENS. LBS			191	179	169	160	153	146	140	135	132	129	128	125	124	122	120													SUBTOTAL DAMPERS NEEDED:0		

			3/8" EHS 330# @ NESC HEAVY															EX to 1												VIBRATION DAMPER PLACEMENT		
			SAG FT															3RD WAVE TIME SEC.														
STR #	RULING SPAN FT	AHEAD SPAN FT	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F
EX	36	36	0.57	0.59	0.62	0.64	0.67	0.69	0.71	0.73	0.76	0.77	0.79	0.81	0.83	0.85	0.87	2.25	2.30	2.35	2.40	2.44	2.48	2.52	2.56	2.60	2.63	2.66	2.70	2.73	2.76	2.79
SUB-PHASE TENS. LBS			78	75	72	69	66	64	62	60	59	57	56	54	53	52	51													SUBTOTAL DAMPERS NEEDED:0		

			556.5 KCMIL 26/7 ACSR "DOVE" 4000# @ NESC HEAVY															1 to 2												VIBRATION DAMPER PLACEMENT		
			SAG FT															3RD WAVE TIME SEC.														
STR #	RULING SPAN FT	AHEAD SPAN FT	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F
1	144	144	0.56	0.63	0.71	0.82	0.95	1.09	1.26	1.43	1.61	1.79	1.95	2.12	2.27	2.42	2.53	2.24	2.37	2.53	2.71	2.91	3.13	3.36	3.58	3.79	4.00	4.18	4.35	4.51	4.66	4.75
SUB-PHASE TENS. LBS			3542	3159	2781	2425	2097	1815	1577	1387	1235	1112	1016	938	874	819	786													SUBTOTAL DAMPERS NEEDED:0		

			3/8" EHS 1690# @ NESC HEAVY															1 to 2												VIBRATION DAMPER PLACEMENT		
			SAG FT															3RD WAVE TIME SEC.														
STR #	RULING SPAN FT	AHEAD SPAN FT	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F
1	144	144	0.70	0.77	0.84	0.92	1.01	1.11	1.21	1.32	1.43	1.53	1.64	1.75	1.86	1.96	2.06	2.50	2.62	2.74	2.87	3.01	3.15	3.29	3.43	3.57	3.70	3.83	3.96	4.08	4.19	4.29
SUB-PHASE TENS. LBS			1010	924	841	766	700	639	585	537	496	461	431	404	381	361	343													SUBTOTAL DAMPERS NEEDED:0		

			556.5 KCMIL 26/7 ACSR "DOVE" 4000# @ NESC HEAVY															2 to 3												VIBRATION DAMPER PLACEMENT		
			SAG FT															3RD WAVE TIME SEC.														
STR #	RULING SPAN FT	AHEAD SPAN FT	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F
2	209	209	1.35	1.50	1.68	1.88	2.09	2.31	2.53	2.75	2.98	3.19	3.40	3.60	3.80	3.99	4.18	3.48	3.67	3.88	4.10	4.32	4.54	4.76	4.96	5.16	5.34	5.51	5.68	5.83	5.97	6.11
SUB-PHASE TENS. LBS			3095	2781	2487	2231	2002	1813	1654	1519	1406	1312	1231	1162	1101	1049	1002													SUBTOTAL DAMPERS NEEDED:0		

			3/8" EHS 1890# @ NESC HEAVY															2 to 3												VIBRATION DAMPER PLACEMENT		
			SAG FT															3RD WAVE TIME SEC.														
STR #	RULING SPAN FT	AHEAD SPAN FT	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F
2	209	209	1.52	1.64	1.76	1.89	2.02	2.16	2.30	2.44	2.58	2.72	2.86	3.00	3.13	3.27	3.40	3.69	3.83	3.96	4.11	4.25	4.40	4.54	4.67	4.81	4.93	5.06	5.18	5.29	5.41	5.51
SUB-PHASE TENS. LBS			982	911	849	789	738	690	648	611	577	548	521	497	476	456	439													SUBTOTAL DAMPERS NEEDED:0		

			556.5 KCMIL 26/7 ACSR "DOVE" 500# @ NESC HEAVY															3 to 4												VIBRATION DAMPER PLACEMENT		
			SAG FT															3RD WAVE TIME SEC.														
STR #	RULING SPAN FT	AHEAD SPAN FT	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F
3	25	25	0.18	0.24	0.29	0.33	0.37	0.41	0.45	0.48	0.50	0.52	0.53	0.55	0.56	0.57	0.59	1.27	1.46	1.61	1.73	1.83	1.92	2.00	2.06	2.12	2.15	2.18	2.21	2.24	2.26	2.29
SUB-PHASE TENS. LBS			334	252	208	180	160	145	134	126	120	116	113	110	107	105	102													SUBTOTAL DAMPERS NEEDED:0		

			3/8" EHS 300# @ NESC HEAVY															3 to 4												VIBRATION DAMPER PLACEMENT		
			SAG FT															3RD WAVE TIME SEC.														
STR #	RULING SPAN FT	AHEAD SPAN FT	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F	-20 F	-10 F	0 F	10 F	20 F	30 F	40 F	50 F	60 F	70 F	80 F	90 F	100 F	110 F	120 F
3	24	24	0.19	0.22	0.24	0.27	0.29	0.31	0.33	0.35	0.37	0.39	0.40	0.42	0.44	0.45	0.47	1.29	1.39	1.47	1.55	1.61	1.67	1.73	1.78	1.82	1.86	1.90	1.94	1.98	2.01	2.04
SUB-PHASE TENS. LBS			105	91	81	73	68	63	59	56	53	51	49	47	45	44	42													SUBTOTAL DAMPERS NEEDED:0		