Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 11/27/17

Equivalent Modal Analysis Method

Round Sector Frame	260.00	900	1.689	1.083	0.798	0.399	187	1,127
RFS APXVAA24_43-U-A20	260.00	304	1.689	1.083	0.798	0.399	63	381
RAC 8' Ice Shield	239.00	600	1.428	0.338	0.461	0.233	73	751
Motorola PTP 45600	230.00	12	1.322	0.152	0.356	0.181	1	15
Radio Waves HPD6-4.7NS	230.00	405	1.322	0.152	0.356	0.181	38	507
Torque Arms	215.00	500	1.155	-0.033	0.223	0.117	30	626
KMW HB-X-WM-17-65-00T-TTLNA	206.00	48	1.061	-0.089	0.164	0.091	2	60
KMW HB-X-WM-17-65-00T	206.00	90	1.061	-0.089	0.164	0.091	4	113
Stand-Off	206.00	300	1.061	-0.089	0.164	0.091	14	376
10' Omni	190.00	25	0.902	-0.122	0.088	0.066	1	31
Stand-Off	190.00	100	0.902	-0.122	0.088	0.066	3	125
Raycap RUSDC-6267-PF-48	188.00	16	0.883	-0.121	0.081	0.064	1	20
Ericsson RRUS-11 (50 lbs.)	188.00	150	0.883	-0.121	0.081	0.064	5	188
KMW AM-X-CD-17-65-00T-RET	188.00	185	0.883	-0.121	0.081	0.064	6	231
Round Sector Frame	188.00	900	0.883	-0.121	0.081	0.064	30	1,127
10' Omni	170.00	25	0.722	-0.093	0.034	0.059	1	31
Stand-Off	170.00	100	0.722	-0.093	0.034	0.059	3	125
Stand-Off	168.00	100	0.705	-0.089	0.031	0.059	3	125
TX RX Systems 421-83A-01261	168.00	20	0.705	-0.089	0.031	0.059	1	25
Bird BA40-41-DIN	168.00	32	0.705	-0.089	0.031	0.059	1	40
6' Ice Shield	153.00	450	0.585	-0.047	0.013	0.062	14	564
Motorola PTP 45600	142.00	12	0.504	-0.018	0.007	0.065	0	15
Radio Waves HPD4-4.7	142.00	85	0.504	-0.018	0.007	0.065	3	106
Stand-Off	125.00	100	0.390	0.021	0.007	0.066	3	125
Bird BA40-41-DIN	125.00	32	0.390	0.021	0.007	0.066	1	40
2' Omni	124.00	10	0.384	0.023	0.007	0.066	0	13
Stand-Off	124.00	100	0.384	0.023	0.007	0.066	3	125
2' Omni	99.00	5	0.245	0.056	0.018	0.060	0	6
Stand-Off	99.00	100	0.245	0.056	0.018	0.060	3	125
2" X 8" GPS	38.00	10	0.036	0.069	0.041	0.036	0	13
Stand-Off	38.00	100	0.036	0.069	0.041	0.036	2	125
		35,252	71.363	27.941	23.999	13.285	2,593	44,145

LoadCase (0.9 - 0.2Sds) * DL + E Seismic (Reduced DL)

Section	Height Above Base (ft)	Weight (lb)	a	b	c	S_{az}	Horizontal Force (lb)	Vertical Force (lb)
27	272.50	246	1.856	1.804	1.076	0.529	68	208
26	269.42	107	1.814	1.603	1.002	0.495	28	91
25	268.25	83	1.798	1.531	0.974	0.482	21	70
24	267.08	107	1.783	1.461	0.948	0.470	26	91
23	265.75	95	1.765	1.384	0.918	0.456	22	80
22	255.00	1,323	1.625	0.858	0.705	0.354	243	1,121
21	235.00	1,384	1.380	0.247	0.412	0.208	150	1,173
20	222.50	409	1.237	0.043	0.283	0.145	31	347
19	219.25	124	1.201	0.006	0.256	0.132	9	105
18	217.33	179	1.180	-0.013	0.240	0.125	12	152
17	215.58	130	1.162	-0.029	0.227	0.119	8	110
16	214.42	129	1.149	-0.038	0.219	0.115	8	109
15	213.25	130	1.137	-0.047	0.210	0.111	8	110
14	212.08	113	1.124	-0.055	0.202	0.108	6	96
13	206.50	810	1.066	-0.087	0.166	0.093	39	687
12	200.75	141	1.007	-0.108	0.135	0.081	6	119
11	190.00	1,831	0.902	-0.122	0.088	0.066	63	1,552
10	170.00	2,118	0.722	-0.093	0.034	0.059	64	1,796
9	150.00	2,113	0.562	-0.039	0.011	0.063	69	1,791
8	130.00	2,134	0.422	0.011	0.006	0.066	73	1,809
7	110.00	2,162	0.302	0.045	0.012	0.064	72	1,833
6	90.00	2,149	0.202	0.062	0.023	0.057	63	1,822
5	70.00	2,149	0.122	0.070	0.034	0.048	54	1,822
4	50.00	2,165	0.062	0.072	0.041	0.040	45	1,835
3	30.00	2,150	0.022	0.065	0.039	0.032	36	1,823
2	12.50	1,376	0.004	0.041	0.023	0.019	14	1,167