CITY OF PORTLAND, MAINE RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 11/27/17

Tower Loading

272.0	Alcatel-Lucent B66a	3	200	3.7	2.2	12.0	6.8	0.80	0.67	0.0	0.0	4.58	23	769
272.0	Commscope SBNHH-	12	330	17.1	8.1	11.9	7.1	0.80	0.70	0.0	0.0	4.58	447	4901
272.0	Flat Light Sector	3	827	39.3	0.0	0.0	0.0	0.75	0.67	0.0	0.0	4.58	231	3265
270.0	Torque Arms	1	993	29.8	0.0	0.0	0.0	1.00	1.00	0.0	0.0	4.57	116	1312
260.0	Andrew	3	42	0.9	0.5	7.7	3.0	0.80	0.50	0.0	0.0	4.52	4	161
260.0	RFS ATMA4P4DBP-	3	68	1.3	0.9	8.0	4.9	0.80	0.50	0.0	0.0	4.52	6	255
260.0	Ericsson Radio 4478	3	156	2.4	1.3	13.2	7.4	0.80	0.50	0.0	0.0	4.52	11	606
260.0	Radio Waves G3-2.4	1	148	41.3	3.0	36.0	0.0	0.80	1.00	0.0	0.0	4.52	127	183
260.0	RFS APX16DWV-	3	240	7.6	4.4	13.0	3.1	0.80	0.60	0.0	0.0	4.52	42	891
260.0	Round Sector Frame	3	818	37.7	0.0	0.0	0.0	0.75	0.67	0.0	0.0	4.52	219	3162
260.0	RFS APXVAA24_43-	3	734	23.0	8.0	24.0	8.5	0.80	0.63	0.0	0.0	4.52	134	2716
239.0	RAC 8' Ice Shield	1	2154	14.8	8.0	60.0	24.0	1.00	1.00	0.0	0.0	4.41	56	2729
230.0	Motorola PTP 45600	1	91	2.6	1.2	14.5	3.7	1.00	0.50	0.0	0.0	4.37	5	112
230.0	Radio Waves HPD6-	1	1832	50.0	6.0	0.0	0.0	1.00	1.00	0.0	0.0	4.37	186	2296
215.0	Torque Arms	1	982	29.5	0.0	0.0	0.0	1.00	1.00	0.0	0.0	4.28	107	1299
206.0	KMW HB-X-WM-17-	3	71	1.6	1.3	7.3	3.7	0.80	0.76	0.0	0.0	4.23	11	267
206.0	KMW HB-X-WM-17-	3	198	4.6	4.0	7.3	7.3	0.80	1.00	0.0	0.0	4.23	40	734
206.0	Stand-Off	3	167	5.2	0.0	0.0	0.0	1.00	1.00	0.0	0.0	4.23	56	674
190.0	10' Omni	1	234	6.7	10.0	3.0	3.0	1.00	1.00	5.0	119.2	4.16	24	287
190.0	Stand-Off	1	167	5.1	0.0	0.0	0.0	1.00	1.00	0.0	0.0	4.13	18	224
188.0	Raycap RUSDC-6267-	1	127	3.5	1.6	16.1	5.6	0.80	0.67	0.0	0.0	4.12	7	156
188.0	Ericsson RRUS-11	3	171	3.5	1.5	17.3	7.2	0.80	0.67	0.0	0.0	4.12	20	652
188.0	KMW AM-X-CD-17-	6	226	6.4	4.0	11.8	6.0	0.80	0.66	0.0	0.0	4.12	71	1669
188.0	Round Sector Frame	3	803	37.0	0.0	0.0	0.0	0.75	0.67	0.0	0.0	4.12	196	3108
170.0	10' Omni	1	230	6.7	10.0	3.0	3.0	1.00	1.00	5.0	115.0	4.04	23	282
170.0	Stand-Off	1	166	5.1	0.0	0.0	0.0	1.00	1.00	0.0	0.0	4.00	17	223
168.0	Stand-Off	1	166	5.1	0.0	0.0	0.0	1.00	1.00	0.0	0.0	3.99	17	223
168.0	TX RX Systems 421-	1	135	3.6	1.7	16.0	6.0	1.00	0.50	3.0	18.4	4.01	6	167
168.0	Bird BA40-41-DIN	1	121	18.3	11.5	0.0	0.0	1.00	1.00	6.0	377.0	4.03	63	153
153.0	6' Ice Shield	1	1565	9.4	1.2	100.0	48.0	1.00	1.00	0.0	0.0	3.89	31	1985
142.0	Motorola PTP 45600	1	86	2.5	1.2	14.5	3.7	1.00	1.00	0.0	0.0	3.80	8	106
142.0	Radio Waves HPD4-	1	298	19.0	4.0	0.0	0.0	1.00	1.00	0.0	0.0	3.80	61	378
125.0	Stand-Off	1	164	5.1	0.0	0.0	0.0	1.00	1.00	0.0	0.0	3.67	16	221
125.0	Bird BA40-41-DIN	1	118	18.0	11.5	0.0	0.0	1.00	1.00	6.0	340.9	3.72	57	150
124.0	2' Omni	2	42	1.0	2.0	2.0	2.0	1.00	1.00	1.0	6.0	3.67	6	103
124.0	Stand-Off	1	164	5.1	0.0	0.0	0.0	1.00	1.00	0.0	0.0	3.66	16	221
99.00	2' Omni	1	40	0.9	2.0	2.0	2.0	1.00	1.00	1.0	2.8	3.44	3	49
99.00	Stand-Off	1	162	5.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	3.43	15	218
38.00	2" X 8" GPS	1	23	0.3	0.7	2.0	2.0	1.00	1.00	0.0	0.0	2.61	1	30
38.00	Stand-Off	1	155	4.8	0.0	0.0	0.0	1.00	1.00	0.0	0.0	2.61	11	211
	Totals	91	30598	1066.2										

Discrete Appurtenance Properties 1.0D + 1.0W Service

Elevation (ft)	Description	Qty	Wt. (lb)	EPA (sf)	Length (ft)	Width (in)	Depth (in)	K_a	Orient. Factor	Vert. Ecc.(ft)	M_u (lb-ft)	Q_z (psf)	F_a (WL) (lb)	P_a(DL) (lb)
272.0	Alcatel-Lucent B13	3	58	2.1	1.8	12.0	8.9	0.80	0.67	0.0	0.0	10.30	30	173
272.0	Alcatel-Lucent B25	3	51	2.1	1.8	12.0	7.2	0.80	0.67	0.0	0.0	10.30	30	153
272.0	Raycap RxxDC-3315-	2	21	2.5	1.6	15.7	10.3	0.80	0.67	0.0	0.0	10.30	24	43
272.0	Alcatel-Lucent B66a	3	67	2.7	2.2	12.0	6.8	0.80	0.67	0.0	0.0	10.30	37	201
272.0	Commscope SBNHH-	12	50	11.5	8.1	11.9	7.1	0.80	0.70	0.0	0.0	10.30	675	595
272.0	Flat Light Sector	3	400	17.9	0.0	0.0	0.0	0.75	0.67	0.0	0.0	10.30	236	1200
270.0	Torque Arms	1	500	15.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	10.28	131	500
260.0	Andrew	3	11	0.5	0.5	7.7	3.0	0.80	0.50	0.0	0.0	10.17	5	33
260.0	RFS ATMA4P4DBP-	3	16	0.9	0.9	8.0	4.9	0.80	0.50	0.0	0.0	10.17	9	48
260.0	Ericsson Radio 4478	3	60	1.6	1.3	13.2	7.4	0.80	0.50	0.0	0.0	10.17	17	180