



**NOTES**

1. INSTALL TOWER ANCHOR BOLTS SO THAT FACE OF TOWER IS PERPENDICULAR TO RUNWAY CENTERLINE EXTENDED. RUNWAY 19 CENTERLINE AZIMUTH: 178° 31' 48" (TRUE).
2. PART OF TOWER, NO WILCOX PART NUMBER AVAILABLE.
3. ITEMS NOTED WITH AN ASTERISK (\*) SHALL BE CONTRACTOR FURNISHED.
4. OPTIONAL MOUNTING HOLES ARE FURNISHED IN THE V-YAGI MOUNTING PLATE. ONE SET PROVIDES AN ANTENNA ANGLE OF 120° AXIS FOR THE STANDARD RADIATION PATTERN MAJOR AXIS AND THE SECOND SET PROVIDES AN ANTENNA ANGLE OF 90° FOR A NARROWER RADIATION PATTERN MAJOR AXIS.
5. BOTH ITEMS ARE FACTORY ASSEMBLED AND INCLUDES ITEMS 31 THRU 50.
6. THE OUTER MARKER SUBSYSTEM CONSISTS OF THE WILCOX DUAL YAGI ANTENNA 447993-0100, ANTENNA TOWER 447991-0100 AND INSTALLATION KIT 069207-0003.
7. THE CONTRACTOR SHALL INSTALL ALL MATERIAL UNLESS OTHERWISE NOTED.
8. INTERFACE ANTENNA LEADS TO ENCLOSURE BOTTOM WITH APPROVED "CHINESE FINGER" TYPE CABLE STRAIN RELIEF.

**PARTS LIST (CONT.)**

ITEM	QTY	DESCRIPTION	WPN
72	1	ENCLOSURE, 12" X 12" X 6", NEMA 4X, LOCKABLE	*
71	1	SWEEP 2" GRSC	*
70	2	CABLE STRAIN RELIEF ("CHINESE FINGER" TYPE)	*

**PARTS LIST**

ITEM	QTY	DESCRIPTION	WPN
69	1	EL. SWEEP 1" PVC	*
68	5'	CND. PVC RIGID 1"	*
67	2	CPLG. CND 1" PVC	*
66	AR	WIRE, #2 BARE	*
65	2	NUT, HEX SST 5/16"-18	*
64	2	WASHER, LOCK SST 5/16"	*
63	4	WASHER, FLAT SST 5/16"	*
62	2	BOLT, HEX SST 5/16"-18 X 1" L	*
61	2	LUG, GND	*
60	2	ROD, GND	*
59	2	NUT, HEX #10-32	930000-0104
58	2	WASHER, LOCK #10	926001-0081
57	2	WASHER, FLAT #10	925000-0809
56	6	TIE, WRAP	094675-0001
55	1	CABLE, RF 30' (XMIT W1) RG-214	632695-0001
54	1	CABLE, RF 19.5' (XMIT W3) RG-214	632955-0001
53	4	ANT. ELEMENT DRIVEN 34.75"	447757-0001
52	8	ANT. ELEMENT DIRECTOR 33.25"	447756-0001
51	4	ANT. ELEMENT REFLECTOR 38.25"	447756-0003
50	2	WASHER, LOCK #4	926001-0078
49	2	WASHER, FLAT #4	925000-0803
48	2	SCREW, MACHINE #4-40 X 3/8"	915012-0015
47	2	COVER, PLATE	288927-0001
46	2	WASHER, FLAT #6	925000-0805
45	2	WASHER, LOCK #6	926001-0079
44	2	SCREW, MACH. #6-32 X 3/8"	915013-0028
43	2	CLAMP, PIPE 2-1/2"	094755-0001
42	2	GASKET, SILICONE RUBBER	264800-0001
41	8	NUT, HEX 5/16"-18	100098-0510
40	16	WASHER, FLAT 5/16"	925000-0813
39	8	BOLT, HEX 5/16"-18 X 3-1/2"	919063-0040
38	64	NUT, HEX 3/8"-16	100098-0610
37	128	WASHER, FLAT 3/8"	925000-0814
36	64	BOLT, HEX 3/8"-16 X 1"	919062-0051
35	14	CLAMP, ELEMENT	094795-0001
34	1	BOOM, ANT. (RH)	078703-0003
33	1	BOOM, ANT. (LH)	078703-0001
32	1	CLAMP, ELEMENT W/BALUN (RH)	118962-0001
31	1	CLAMP, ELEMENT W/BALUN (LH)	118962-0002
30	1	ASSY, ANT. BOOM, (RH) (NOTE 5)	118949-0003
29	1	ASSY, ANT. BOOM, (LH) (NOTE 5)	110949-0002
28	2	WASHER, FLAT 1/4"	925000-0007
27	2	WASHER, LOCK 1/4"	926001-0082
26	2	NUT, HEX 1/4"-20	930000-2254
25	2	HANGER, CND 1"	033698-0003
24	2	SCREW, MACH. 1/4"-20 X 1" L	915016-0083
23	2	BOLT, HEX 5/16"-18 X 1-1/4"	919063-0031
22	2	ROD, BOOM SUPPORT	078649-0001
21	8	NUT, HEX 5/16"-18	930000-2314
20	12	WASHER, LOCK 5/16"	926001-0083
19	8	WASHER, FLAT 5/16"	925001-0008
18	4	BOLT, HEX 5/16"-18 X 3" L	919063-0038
17	2	NUT, HEX 3/8"-16	930000-2384
16	66	WASHER, LOCK 3/8"	926001-0084
15	2	WASHER, FLAT 3/8"	925001-0009
14	2	BOLT, HEX 3/8"-16 X 5" L	919062-0067
13	4	CLAMP, MTG (NOT THREADED)	094759-0002
12	2	CLAMP, MTG (THREADED)	094759-0001
11	2	U-BOLT, ANT. MOUNTING 3-1/2"	302789-0001
10	4	NUT, HEX 3/8" - 16	
9	4	WASHER, LOCK 3/8"	
8	4	BOLT, HEX 3/8"-16 X 1-1/4"	
7	1	PLATE, MTG	
6	3	CLAMP, HOLD DOWN CHANNEL	
5	6	SHIM, LEVELING 16 & 22 GAUGE	
4	3	NUT, HEX 7/8"-9	
3	3	WASHER, LOCK 7/8"	
2	3	BOLT, ANCHOR 7/8"-9 X 18"	
1	1	TOWER SECTION, 8'	447979-0100
1	1	SUBSYSTEM, OUTER MKR BCN (NOTE 6)	447978-0100

THIS DRAWING SUPERSEDES DRAWING NE-D-27464-006/C, REV 0, DATED 09/04/1998

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APPROVED
A	02/14/2002	PROPOSED/WR*6940/sls	3426	01/08/2002	

DEPARTMENT OF TRANSPORTATION  
**FEDERAL AVIATION ADMINISTRATION**  
 BOSTON IMPLEMENTATION CENTER BURLINGTON, MA 01803  
 RUNWAY 19 (GL) FAN MARKER (FM)

**EXTERIOR EQUIPMENT INSTALLATION**

CHITTENDEN RUTLAND STATE AIRPORT VT

REVIEWED BY <i>[Signature]</i>	SUBMITTED BY <i>[Signature]</i>	APPROVED BY <i>[Signature]</i>
DESIGNED BY D. DAUDIER, ANI-180	ISSUED BY P. KIRBY, ANI-180	DATE 02/14/2002
DRAWN BY [Blank]	NAS IMPLEMENTATION ANI-100	DRAWING NO 3426
CHECKED BY [Blank]		REV A

NE-D-27464-E002