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DRAWING SCALES ARE INTENDED FOR 24"X36" SIZE PRINTED REPRODUCED DRAWINGS. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

REV	DATE	DESCRIPTION	BY
A	09/28/15	FOR REVIEW	JM
B	03/09/16	REVISED EQUIPMENT	JM
C	07/25/16	REVISED PER SV	JM

SITE NAME:
PORTLAND_10_ME

LOCATION CODE:
361332

SITE ADDRESS:
**81 NORTHPORT DRIVE
 PORTLAND, ME 04103
 CUMBERLAND COUNTY**

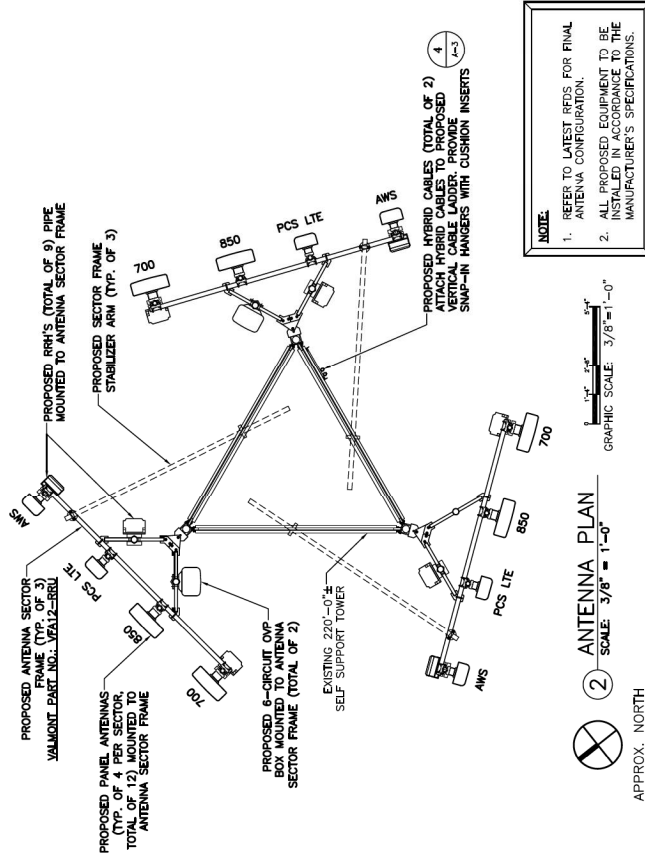
SHEET TITLE:
ELEVATION, ANTENNA PLAN & NOTES

SHEET NUMBER:
A-2

NEXIUS PROJ. NO.:
VZ11509

CHECKED BY:
 KB

CHECKED BY DATE:
 03/09/16

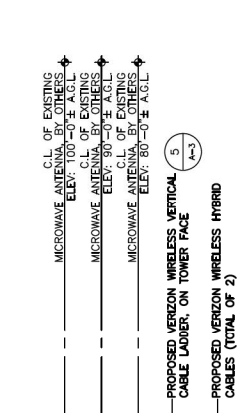


STRUCTURAL STEEL NOTES:

- ALL STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS.
- STRUCTURAL AND MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A572 STRUCTURAL STEEL, UNLESS OTHERWISE NOTED.
- STEEL TUBING SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS STEEL STRUCTURAL TUBING", GRADE B.
- CARBON STEEL SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS STEEL STRUCTURAL TUBING", GRADE B, OR ASTM A53 "PIPE STEEL BLACK AND GALVANNEAL HOT-DIP GALVANIZED STEEL PIPE", GRADE B. PIPE SIZE INDICATED ARE NOMINAL ACTUAL ARE OUTSIDE DIMENSIONS IF LARGER.
- UNSUBSTITUTED SHALL BE FORMED STEEL CHANNELS, STRUCT FRAMING AS MANUFACTURED BY UNISTRUT CORP., WAYNE MI, OR EQUAL STEEL MEMBERS SHALL BE 1 3/8" X 1 5/8" FABRICATION UNLESS OTHERWISE NOTED, AND SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
- FIELD CONNECTIONS SHALL BE BOLTED UNLESS OTHERWISE NOTED. ALL BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE HIGH STRENGTH BOLTS AND CONFORM TO THE LATEST EDITION OF ASTM A325, HIGH STRENGTH BOLTS FOR STRUCTURAL JOINTS, 1/2" THROUGH 1 1/2" DIA. UNLESS OTHERWISE NOTED. WASHERS: BOLTS SHALL BE 3/4" DIA. UNLESS OTHERWISE NOTED.
- EXPANSION BOLTS SHALL CONFORM TO FEDERAL SPECIFICATIONS FF-5-32A, GROUP 1, TYPE 4, CLASS 1, HLT NUT BOLT II, OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE THREE (3) INCHES.
- SPOT ANCHOR ANCHORAGE SHALL CONSIST OF 1/2" DIAMETER STAINLESS STEEL TUBE AND AN EPOXY ADHESIVE. THE ANCHORING SYSTEM SHALL BE THE HLT HIT HI-20 SYSTEM OR ENGINEER APPROVED EQUAL WITH 6" MIN. EMBEDMENT.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO INSTALLATION. UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.
- SUBMIT SHOP DETAIL DRAWINGS OF ALL STRUCTURAL AND MISCELLANEOUS STEEL TO THE ENGINEER FOR APPROVAL AND INCORPORATE ALL COMMENTS PRIOR TO FABRICATION.
- CONNECTIONS DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER.
- RESISTIVELY PASSED, GALVANIZED, OR UNPAINTED MATERIALS OR UNPAINTED MATERIALS OR CONDITIONS SHALL BE REFERRED TO THE ENGINEER PRIOR TO TAKING CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE PRIOR ENGINEER APPROVAL OF CONSTRUCTION.
- ALL WORK SHALL BE INSPECTED BY THE ENGINEER DURING AND AT THE COMPLETION OF CONSTRUCTION.

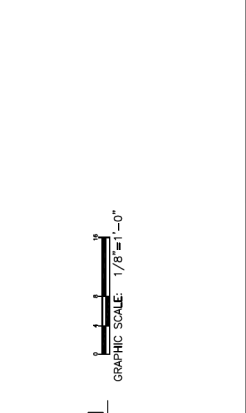
WELDING:

- CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE, AND QUALITY OF WELDS. ALL WELDS SHALL BE MADE IN ACCORDANCE WITH AWS QUALIFICATION PROCEDURES.
- CONTRACTOR SHALL BE QUALIFIED IN ACCORDANCE WITH AWS STANDARD QUALIFICATION PROCEDURES.



THE DC AND FIBER HYBRID CABLES ARE PROVIDED BY VERIZON WIRELESS. THE SIZING AND OR DEBATING OF HYBRID CABLE IC CONDUCTORS SHALL BE DONE BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEC.

EXISTING GRADE: 4
 ELEV: 0'-0"± A.G.L.



1 TOWER ELEVATION
 SCALE: 1/16" = 1'-0"

GRAPHIC SCALE: 1/8" = 1'-0"

NOTE:
 PROJECT OWNER IS RESPONSIBLE FOR PROVIDING A STRUCTURAL STABILITY ANALYSIS TO DETERMINE CAPACITY AND SUITABILITY OF THE EXISTING ANTENNA SUPPORT STRUCTURE AND/OR TOWER STRUCTURE TO SAFELY CARRY ALL ADDITIONAL LOADS IMPROSED BY THE PROPOSED EQUIPMENT AS SHOWN HEREIN. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND REQUIRED STRUCTURAL MODIFICATIONS INTO THEIR SCOPE OF WORK.

ON EXISTING ANTENNA SUPPORT STRUCTURES WITH ANTENNAS (TYP. OF 4 PER SECTOR, TOTAL OF 12) RHH'S (6 PROPOSED, 3 FUTURE) & (2) OVP BOXES MOUNTED TO EXISTING TOWER