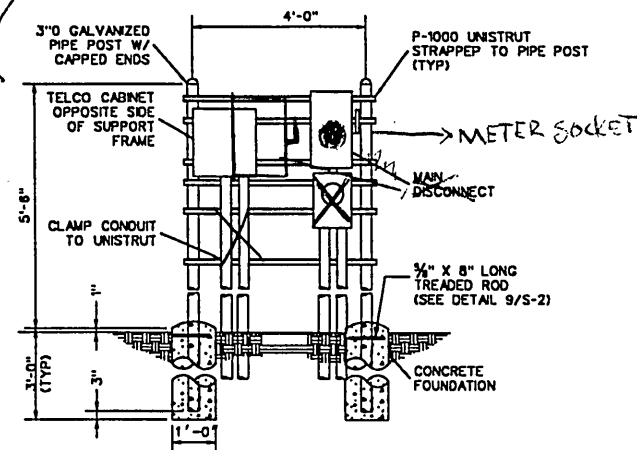


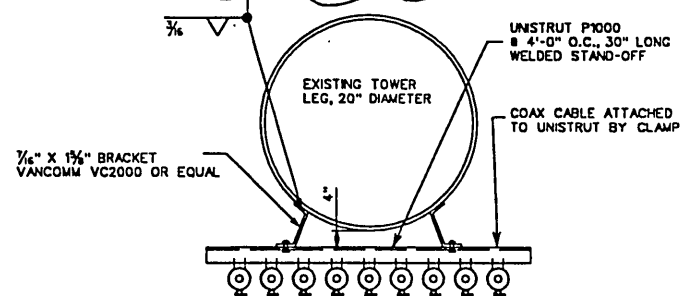
STRUCTURAL NOTES

- DESIGN REQUIREMENTS PER BOCA BUILDING CODE AND THE EIA/TIA-222-F STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES. THE BASIC WIND SPEED UTILIZED FOR DESIGN IS 80 mph, AND 1/2" ICE.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED BY FIELD MEASUREMENT AND FROM THE EXISTING STRUCTURAL DRAWINGS. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH CONSTRUCTION.
- THE GENERAL CONTRACTOR AND HIS SUBCONSULTANTS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK.
- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN INCLUDING THE COMMENTARY AND THE AISC CODE FOR STANDARD PRACTICE.
- STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO ASTM A36. ALL STRUCTURAL STEEL PIPES SHALL CONFORM TO ASTM A53 GRADE B. ALL STRUCTURAL STEEL COMPONENTS AND FABRICATED ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
- WELDING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE - STEEL WELD ELECTRODES SHALL BE E70XX.
- ALL THREADED STRUCTURAL FASTENERS FOR ANTENNA SUPPORT ASSEMBLIES SHALL CONFORM TO ASTM A307 OR ASTM A36. ALL STRUCTURAL FASTENERS FOR STRUCTURAL STEEL FRAMING SHALL CONFORM TO ASTM A325. FASTENERS SHALL BE 3/4" INCH MIN. DIAMETER BEARING TYPE CONNECTIONS WITH THREADS INCLUDED IN THE SHEAR PLANE. ALL EXPOSED FASTENERS, NUTS AND WASHERS SHALL BE GALVANIZED UNLESS OTHERWISE NOTED. CONCRETE EXPANSION ANCHORS SHALL BE HILTI KWIK BOLTS UNLESS OTHERWISE NOTED.
- LUMBER (IF APPLICABLE) SHALL COMPLY WITH THE REQUIREMENTS OF AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE PRESSURE TREATED AND SHALL BE STRUCTURAL GRADE NO. 2 OR BETTER.
- IF APPLICABLE, ROOF PROTECTION PADS UNDER THE CONCRETE PAVERS AND WAVEGUIDE SUPPORTS SHALL BE 0.30 INCH THICK RUBBER FIRESTONE PROTECTION PADS. THE ROOF PROTECTION PADS SHALL EXTEND A MINIMUM OF TWO INCHES BEYOND THE PERIMETER OF THE PAVERS AND THE WOOD SLEEPERS AND SHALL BE PLACED WITH A MINIMUM 1/2" SPACE BETWEEN ADJACENT PADS TO FACILITATE DRAINAGE. PROVIDE A 28 LB. INORGANIC PAD DIRECTLY ON THE ROOF. REMOVE ALL LOOSE STONES PRIOR TO PLACING THE SEPARATOR SHEET.
- ALL COAXIAL CABLE CONNECTORS AND TRANSMITTER EQUIPMENT SHALL BE AS SPECIFIED BY THE OWNER AND IS NOT INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL FURNISH ALL CONNECTION HARDWARE REQUIRED TO SECURE THE CABLES. CONNECTION HARDWARE SHALL BE STAINLESS STEEL.
- NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH. CONTRACTOR SHALL VERIFY TRUE NORTH AND INFORM ARCHITECT/ENGINEER OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.

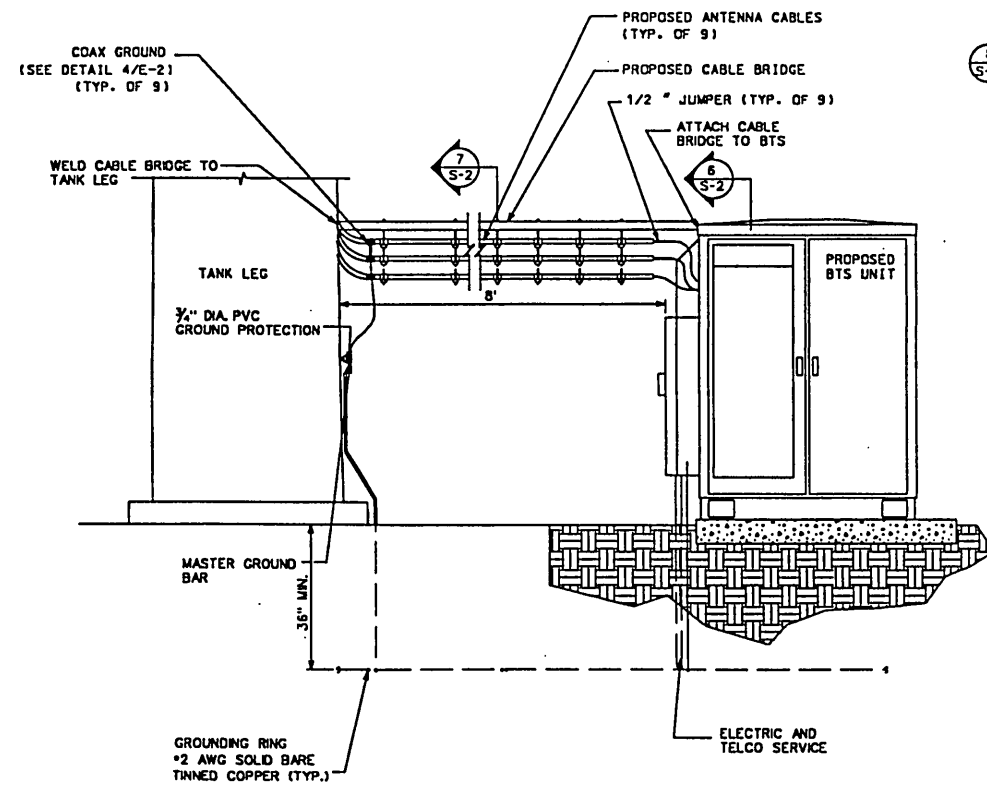


1 PANEL SUPPORT FRAME
1/2" = 1'

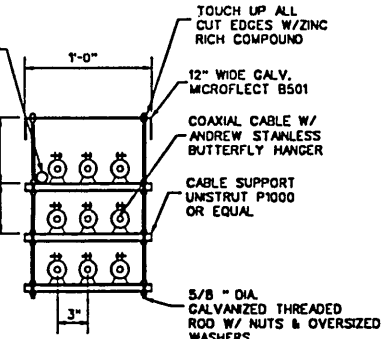
USE DRAWING OUT OF TRITON STANDARD BOOK



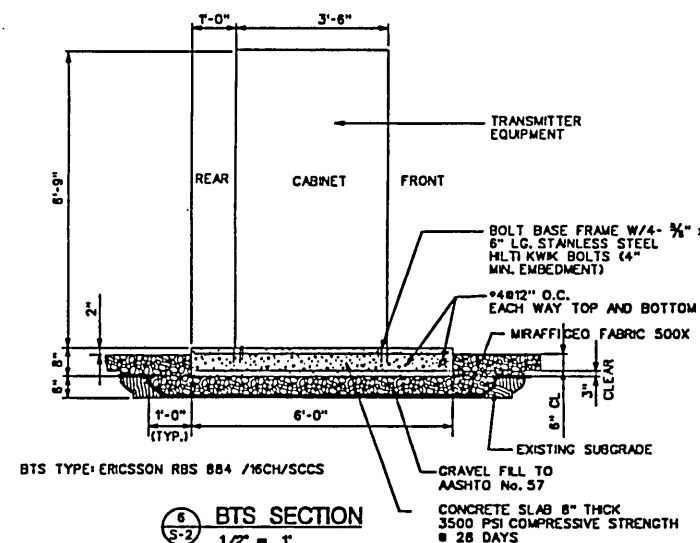
2 EQUIPMENT ELEVATION W/ GROUNDING
NTS



3 CABLE/RAILING ATTACHMENT SECTION
NTS
ALL BOLTS TO BE SIZED IN FIELD



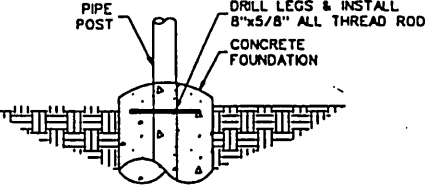
4 TRENCH DETAIL
NTS



5 SECTION A-A
1/2" = 1'

6 BTS SECTION
1/2" = 1'

NOTE: SLAB ON GRADE SHALL BE PLACED OVER A MIN. OF 6\"/>



7 TREADED ROD DETAIL
NTS

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SAC: KEVIN ARNOLD
CONST.: JIM MOORE
RF: ALBERT LAI
A&E: ROBERT BLASSCYK

SCHEDULE OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGES
7		
6		
5		
4	12/7/98	CONSTRUCTION
3	8/7/98	CONSTRUCTION
2	7/27/98	CONSTRUCTION
1	6/29/98	CONSTRUCTION
0	6/5/98	TTV
REV. NO.	DATE	DESCRIPTION OF CHANGES
DRAWN BY: MSD	CHECKED BY: JMT	
SCALE: NOTED	JOB NO: 98256	
FIRST ISSUE: 6/30/98	PRINT DATE: 12/7/98	

APPROVALS

Triton _____

LANDLORD _____

LEASING _____

R.F. _____

ZONING _____

CONSTRUCTION _____

USE _____

CITY WATER TANK
SITE ID #RO-1-405A
REDWOOD ROAD
ROANOKE, VA

DRAWING TITLE:
CONSTRUCTION, DETAILS AND NOTES

DRAWING SHEET:
S-2

SHEET NO. 4 OF 7

WILLIAM J. DEAN, P.E.
AN ENGINEER, CIVIL, L.C. 10878

SITE #RO-1-405A SITE #RO-1-405A SITE #RO-1-405A