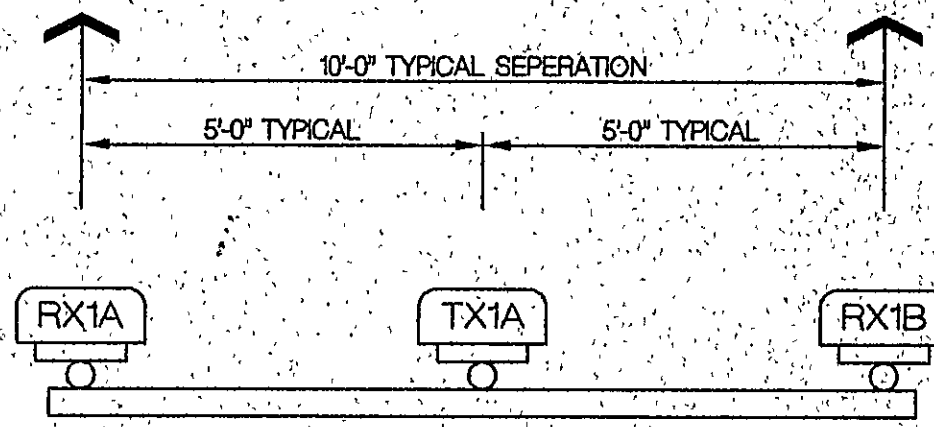
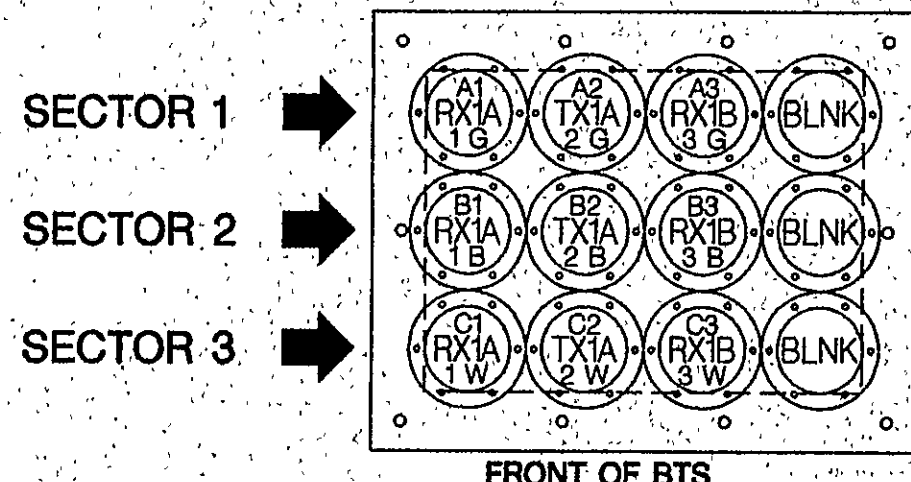


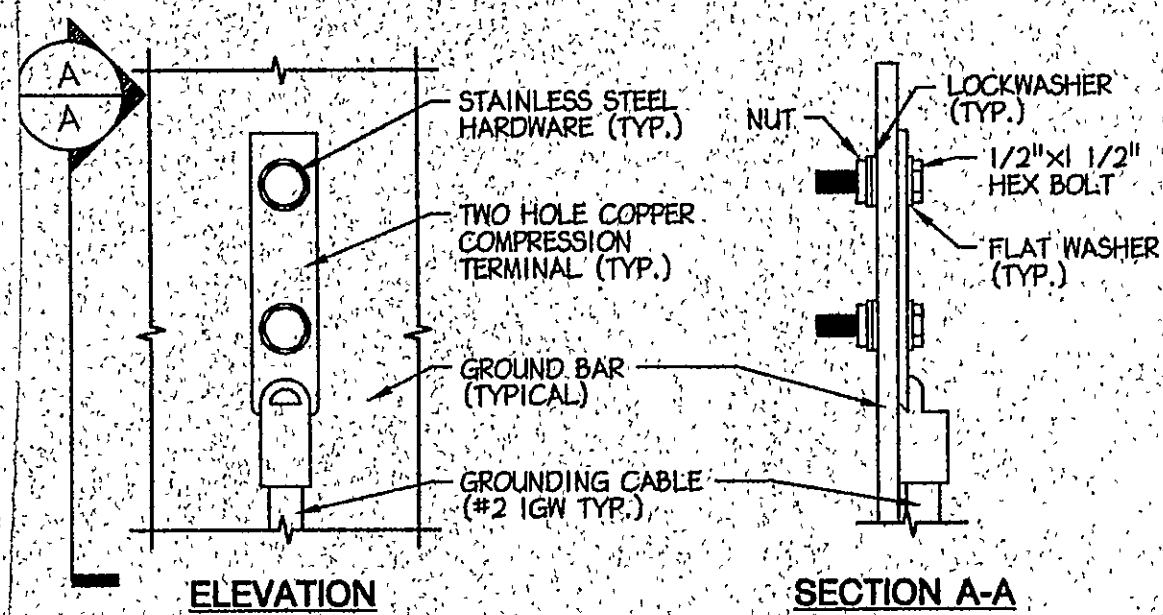


ANTENNA MOUNTING CONFIGURATION
VIEW FROM REAR

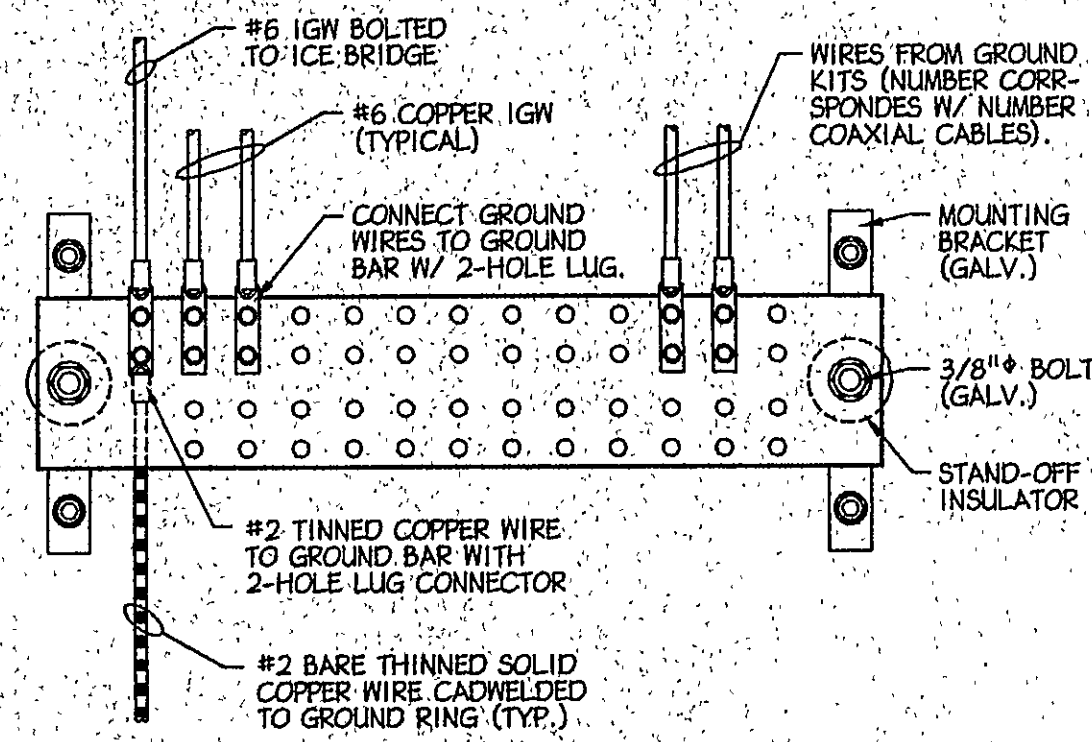


PORT ASSIGNMENT IN RBS-884
WAVEGUIDE ENTRY PANEL
EXTERIOR VIEW

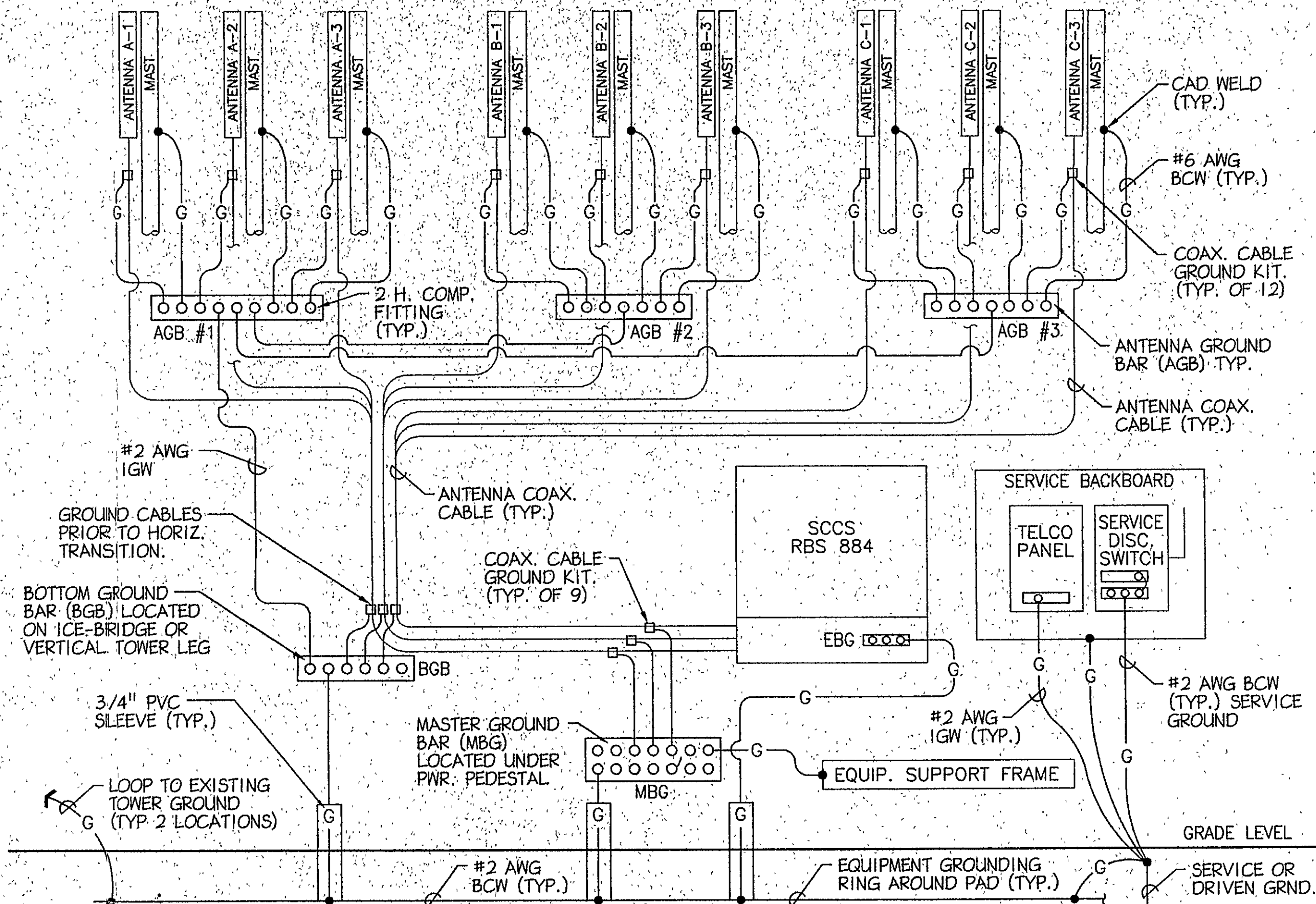
SECTOR 1		SECTOR 2		SECTOR 3	
TYPE	STRIPING	TYPE	STRIPING	TYPE	STRIPING
RX-1A	1 GREEN	RX-1A	1 BLUE	RX-1A	1 WHITE
TX-1A	2 GREEN	TX-1A	2 BLUE	TX-1A	2 WHITE
RX-1B	3 GREEN	RX-1B	3 BLUE	RX-1B	3 WHITE



GENERAL NOTES:
"DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
EXPOSED BARE COPPER TO BE KEPT TO ABSOLUTE MINIMUM, NO INSULATION ALLOWED WITHIN THE COMPRESSION TERMINAL (TYP.)



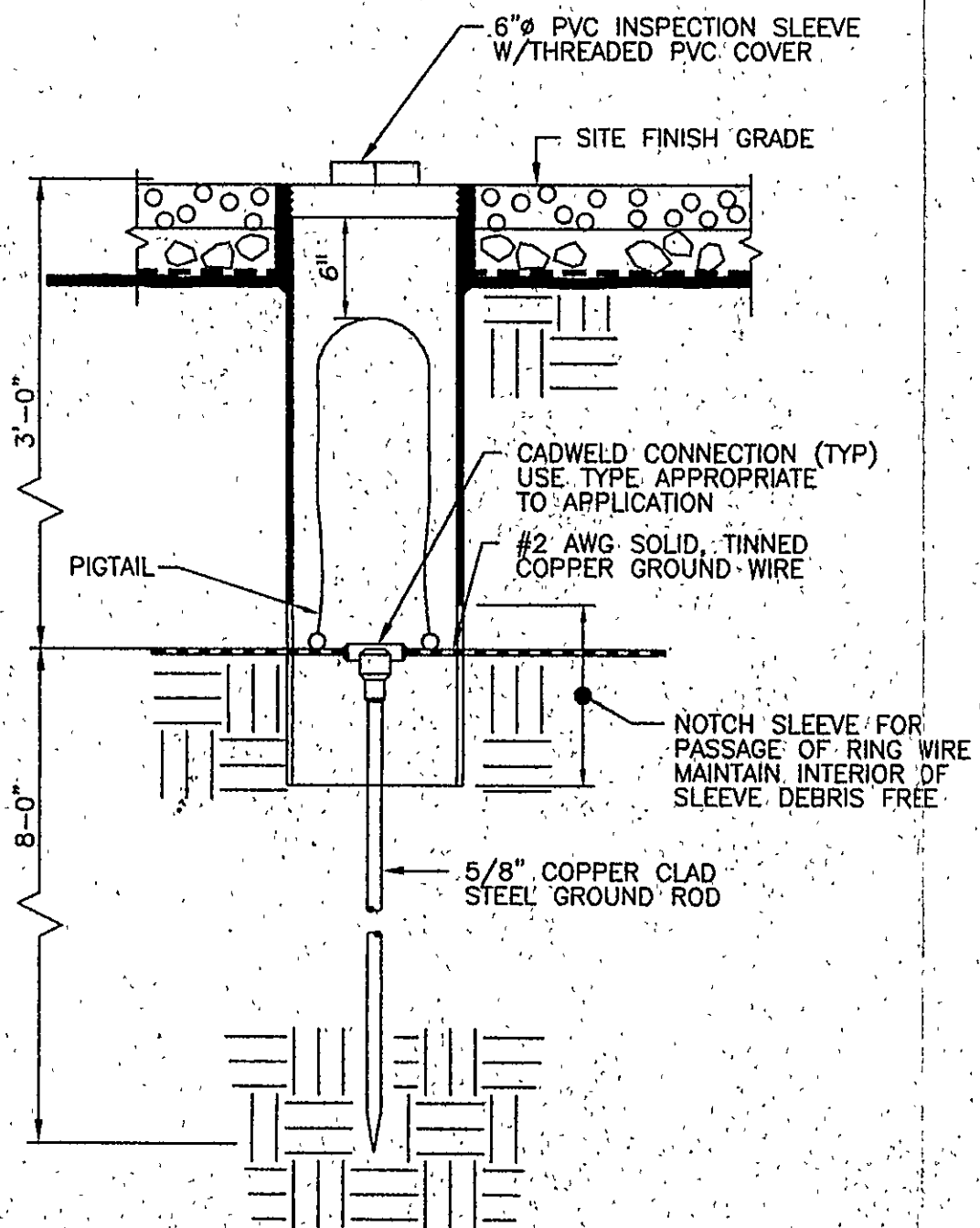
GROUND BAR CONNECTION DETAIL



GROUNDING RISER DIAGRAM
E-2 N.T.S.

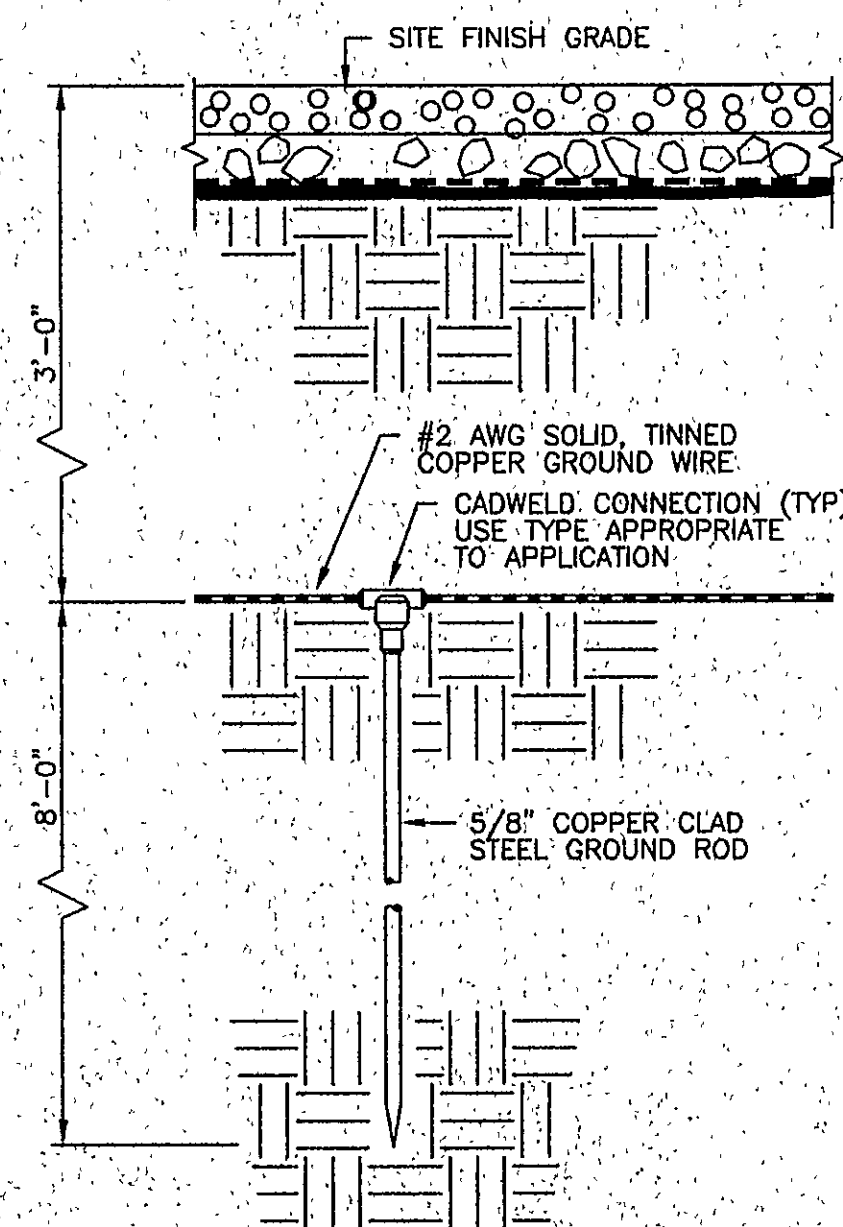
ENTRY PORT ASSIGNMENT / COLOR CODING
E-2 N.T.S.

TYP. GROUNDING BAR CONNECTION
E-2 N.T.S.



PVC INSPECTION WELL

ACCESS - GROUNDING ROD
E-2 N.T.S.



GROUND ROD & RING

BURIED - GROUNDING ROD
E-2 N.T.S.

ANTENNA AND COAXIAL CABLE SCHEDULE										
ANTENNA MARK	SECTOR	ANTENNA TYPE	COAXIAL CABLE FEED LOCATION	DOWN TILT	AZIMUTH	ANTENNA HEIGHT	COAX. CABLE LENGTH	COAXIAL CABLE	TRX ANTENNA CONFIGURATION	COAX. COLOR CODE
A-1	1	DAPA 58200/58210	BOTTOM	0°	70°	79.50 FT.	160.0 FT.	1 5/8" LDF7-50A	(A) RX-1A	1 GREEN G
A-2		DAPA 58200/58210	BOTTOM	0°	70°	79.50 FT.	160.0 FT.	1 5/8" LDF7-50A	(A) TX-1A	2 GREEN GG
A-3		DAPA 58200/58210	BOTTOM	0°	70°	79.50 FT.	160.0 FT.	1 5/8" LDF7-50A	(A) RX-1B	3 GREEN GGG
B-1	2	DAPA 58200/58210	BOTTOM	0°	190°	79.50 FT.	160.0 FT.	1 5/8" LDF7-50A	(B) RX-1A	1 BLUE B
B-2		DAPA 58200/58210	BOTTOM	0°	190°	79.50 FT.	160.0 FT.	1 5/8" LDF7-50A	(B) TX-1A	2 BLUE BB
B-3		DAPA 58200/58210	BOTTOM	0°	190°	79.50 FT.	160.0 FT.	1 5/8" LDF7-50A	(B) RX-1B	3 BLUE BBB
C-1	3	DAPA 58200/58210	BOTTOM	2°	320°	79.50 FT.	125.0 FT.	1 5/8" LDF7-50A	(C) RX-1A	1 WHITE W
C-2		DAPA 58200/58210	BOTTOM	2°	320°	79.50 FT.	125.0 FT.	1 5/8" LDF7-50A	(C) TX-1A	2 WHITE WW
C-3		DAPA 58200/58210	BOTTOM	2°	320°	79.50 FT.	125.0 FT.	1 5/8" LDF7-50A	(C) RX-1B	3 WHITE WWW
TOTAL LENGTH							1335.0 FT.			

GROUND BAR SCHEDULE				
TYPE	QTY.	MANUFACTURER	CATALOG NO.	REMARKS
MGB	1	HARGER	(1/4"x8"x24")	OR EQUAL
AGB	3	HARGER	(1/4"x4"x12")	OR EQUAL

COAXIAL CABLE SCHEDULE			
DIAMETER	CABLE LENGTH	DB LOSS / 100.0 FT.	MIN. BENDING RADIUS
1/2" FLEX	0.0 - 10.0 FT.	5.41	1.25 IN.
7/8" LDF	0.0 - 70.0 FT.	1.97	10.0 IN.
1 1/4" LDF	71.0 - 120.0 FT.	1.45	15.0 IN.
1 5/8" LDF	121.0 - 200.0 FT.	1.25	20.0 IN.
2 1/4" HJ	201.0 - 300.0 FT.	0.88	22.0 IN.

- NOTES
- ALL ANTENNAS TO BE FURNISHED WITH DOWNTILT BRACKETS. CONTRACTOR TO COORDINATE REQUIRED MECHANICAL DOWNTILT FOR EACH ANTENNA WITH RF ENGINEER.
 - ANTENNA CENTERLINE HEIGHT IS IN REFERENCE TO ELEVATION 0.00 FT.
 - CHECK WITH RF ENGINEER FOR LATEST ANTENNA TYPE AND AZIMUTH.
 - CONTRACTOR SHALL VERIFY ANTENNA TYPE AND AZIMUTH WITH CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL NOT INSTALL COLD SHRINK RAP INSULATORS UNTIL AFTER CABLES HAVE BEEN SNEPT.
 - THE COAXIAL CABLES SHALL NOT EXCEED 100.0 FT. BETWEEN GROUND KITS.
 - THE USE OF ALTERNATE GROUNDING MEANS (SUCH AS LYNCOLE XIT) SHALL COMPLY WITH TRITON PCS, INC. / PACIFIC 17 CONSTRUCTION SPECIFICATIONS AND BUILDING PRACTICES.
 - ERICSSON'S GROUNDING SPECIFICATIONS SHALL SUPERSEDE ALL OTHERS.

ANTENNA & COAXIAL CABLE SCHEDULE
E-2 N.T.S.

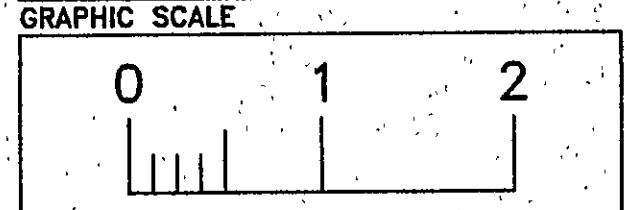
Betzwood Associates PC
ARCHITECTS & ENGINEERS
Robin J. Kohn AIA Regis. W. Kuhn PE
301 Gay Street
Phoenixville PA 19460
Tel. (610) 917-8831 Fax 917-8836

SEAL BLOCK
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR
OFFERED FOR REVIEW AND SIGNATURE BY A LICENSED ARCHITECT
UNDER THE SEAL OF THE COMMONWEALTH OF VIRGINIA
ROBIN J. KOHN
No. 010466
ARCHITECT
ROBIN J. KOHN AIA - VA #010506 12.31.98

TRITON PCS
Incorporated
9211 Aboretum Parkway, Suite 200
Richmond, Virginia 23236-3469
Tel. (804) 323-9500 FAX (804) 323-1660

APPROVALS
Triton PCS _____
LANDLORD _____
LEASING _____
R.F. _____
ZONING _____
CONSTRUCTION _____
PROJECT NO. TR-005
DRAWN BY EMH
CHECK BY RJK

SUBMITTALS		
NO.	DATE	ISSUE
0	06-05-97	TTV DATE
1	06-25-97	ISSUED FOR REVIEW (ZONING)
2	07-17-98	ISSUED FOR REVIEW (CONST.)
3	07-24-98	ISSUED FOR CONSTRUCTION
4	08-04-98	REISSUED FOR CONSTRUCTION
5	09-18-98	REVISED ANTENNA HEIGHT
6	10-08-98	FINAL CONSTRUCTION REVISIONS
7	10-23-98	OWNER REVISIONS
8	12-10-98	REVISED CHANGES
9	3-16-99	AS BUILT DESCRIPTION



PROJECT
HIGHWAY 220
RO-1-429-A
ROANOKE CITY PUBLIC WORKS
1423 SUMMIT LANE
ROANOKE, VA 24011
AS - BUILT COPY

SHEET TITLE
GROUNDING RISER
DIAGRAM, NOTES &
DETAILS

SHEET NUMBER
E-2