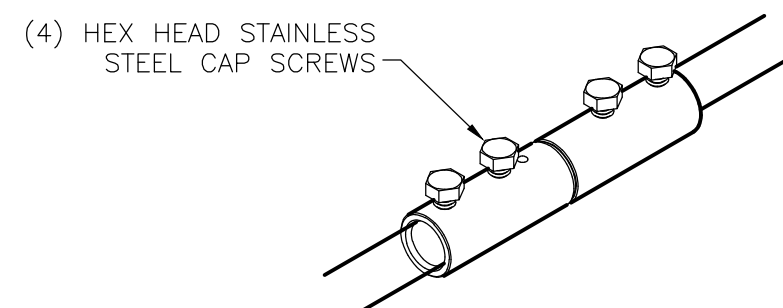


1 AIR TERMINAL "A" INSTALLATION DETAIL

NTS

NOTE:

1. PROVIDE BLOCKING AND ADHESIVE BASES SO THAT MAIN AND SECONDARY LIGHTNING PROTECTION CONDUCTORS DO NOT COME IN CONTACT WITH STRUCTURE. MAXIMUM SPACING 3'-0"

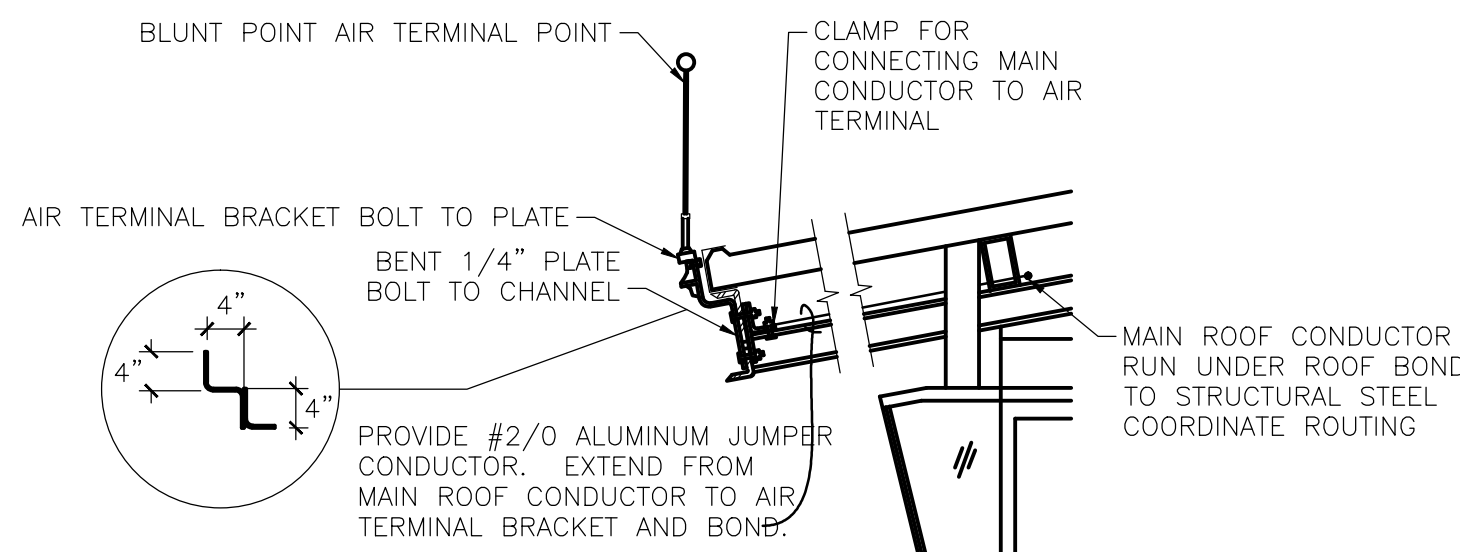


NOTE:

1. BI-METALLIC CONNECTOR SHALL BE UTILIZED TO PROVIDE A NON-ELECTROLYTIC CONNECTION BETWEEN ALUMINUM DOWN CONDUCTOR AND COPPER GROUND CONDUCTORS.

3 BI-METAL CONNECTOR

NTS

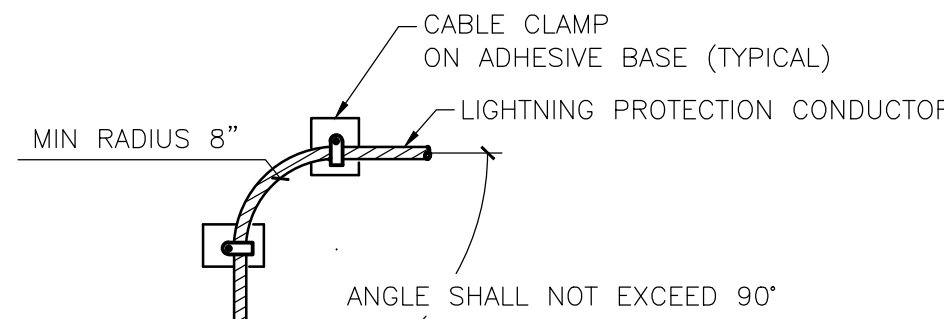


NOTE:

1. CLASS I ALUMINUM DOWN CONDUCTOR. FASTEN TO ADJACENT SURFACE AT 3' INTERVALS AND BOND TO ALL CONDUCTIVE MATERIALS IN CLOSE PROXIMITY. COMPONENTS AND MATERIALS SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH NFPA 78.

5 AIR TERMINAL "B" INSTALLATION DETAIL

NTS

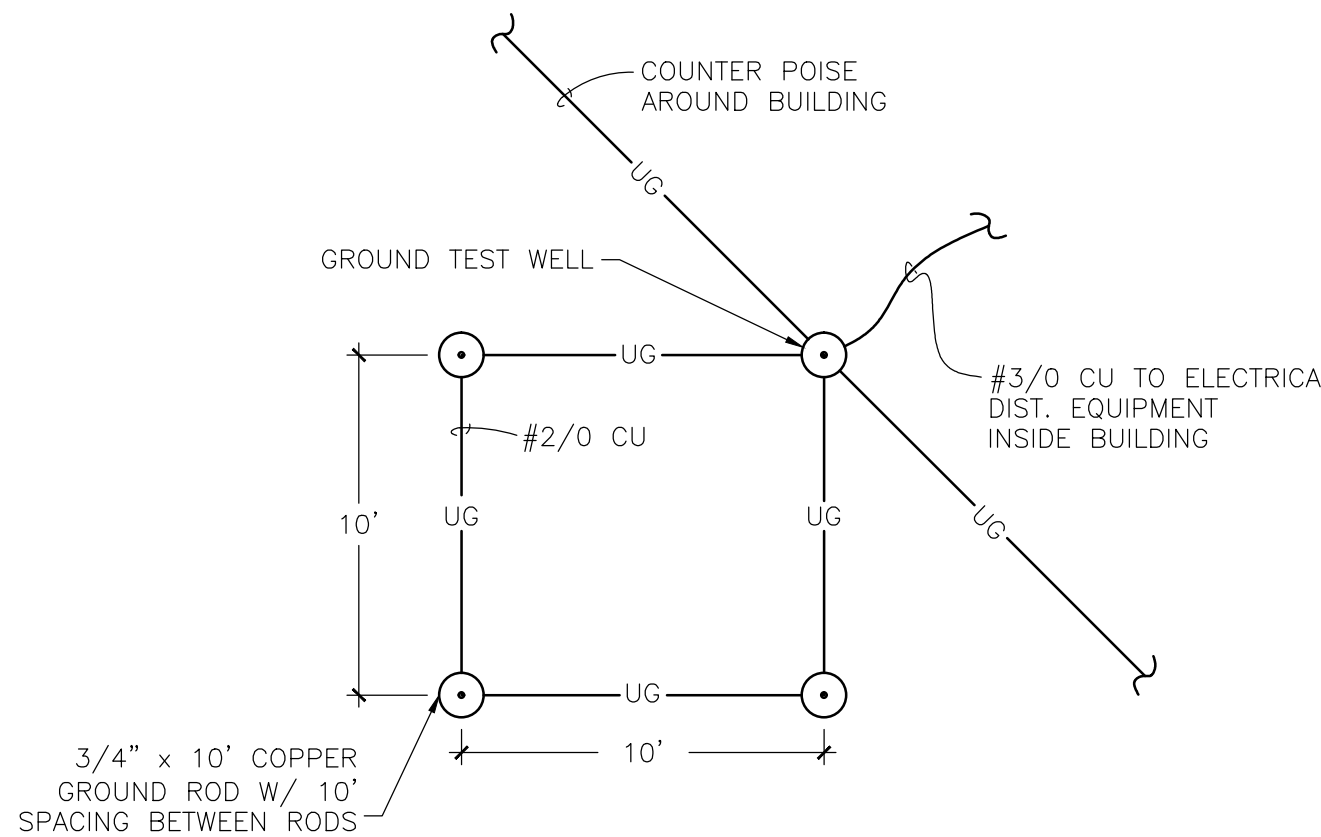


NOTE:

1. PROVIDE BLOCKING AND ADHESIVE BASES SO THAT MAIN AND SECONDARY LIGHTNING PROTECTION CONDUCTORS DOES NOT COME IN CONTACT WITH RUBBER ROOF SURFACE. MAXIMUM SPACING 3'-0"

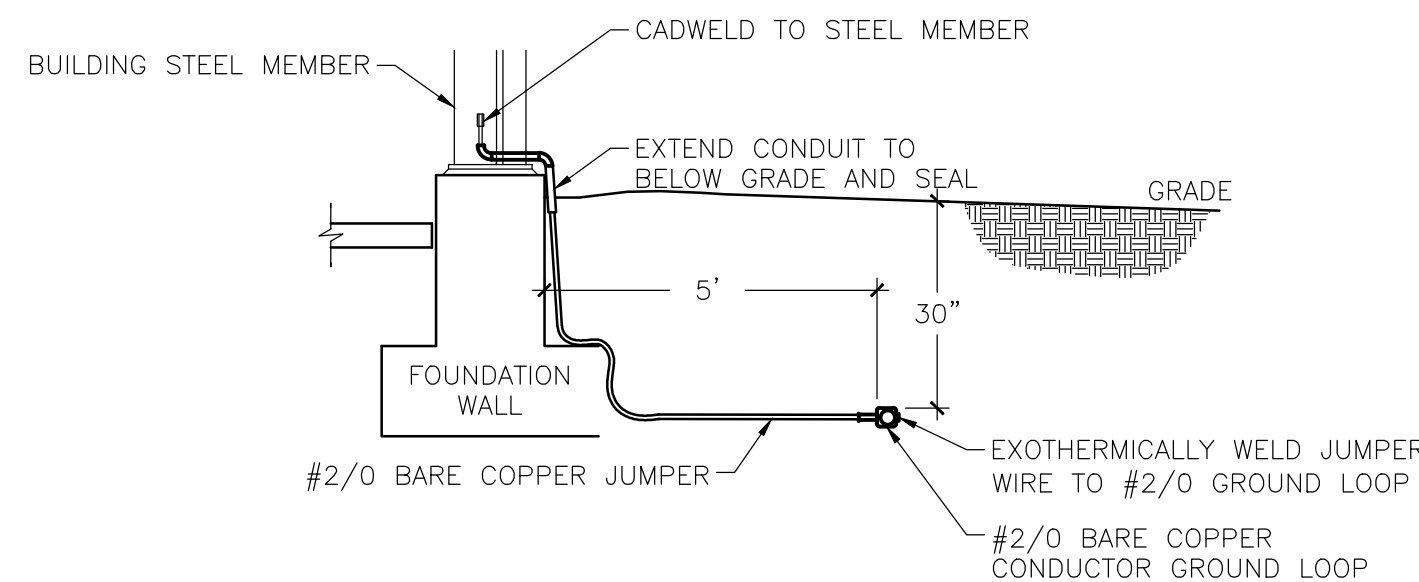
2 CONDUCTOR INSTALLATION DETAIL

NTS



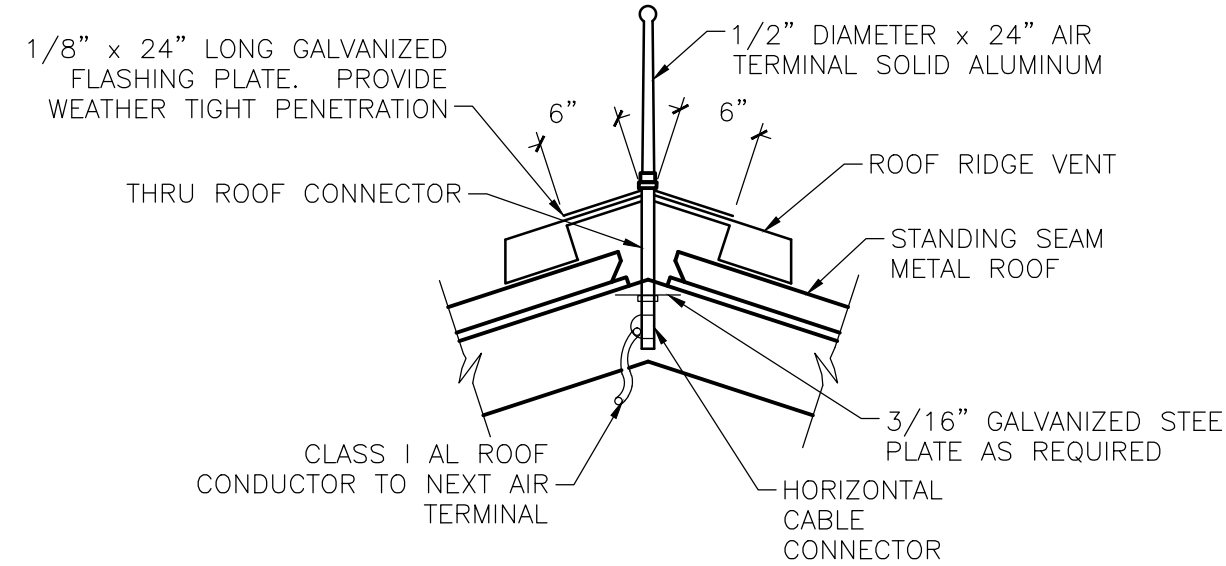
4 ELECTRICAL SYSTEM GROUND GRID DETAIL

NTS



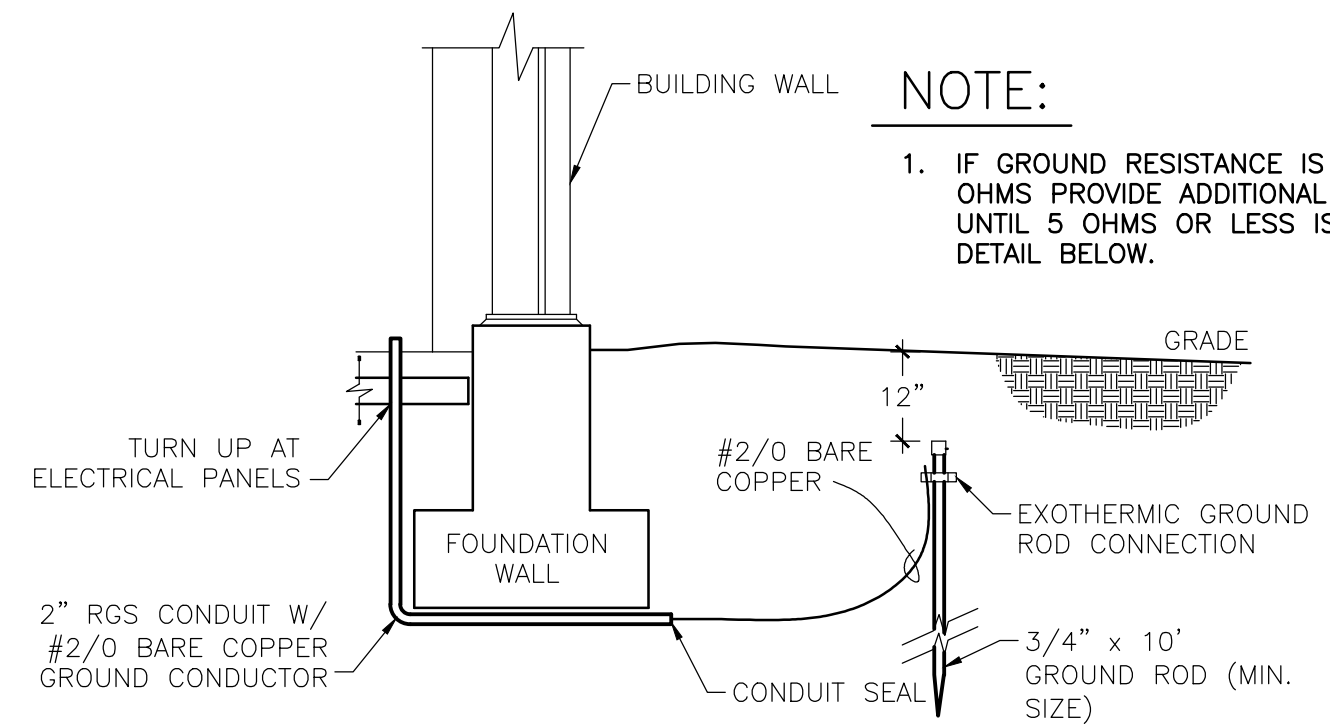
6 BLDG. GROUND TYPICAL INSTALLATION DETAIL

NTS



7 AIR TERMINAL "C" DETAIL

NTS



NOTE:

1. IF GROUND RESISTANCE IS MORE THAN 5 OHMS PROVIDE ADDITIONAL GROUND RODS UNTIL 5 OHMS OR LESS IS ACHIEVED. SEE DETAIL BELOW.

8 GROUND ROD INSTALLATION DETAIL

NTS

GENERAL NOTES:

1. THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF UL #96A "MASTER LABEL" AND EACH BUILDING FURNISHED WITH A PLAQUE STATING SAME.
2. ALL METAL PROTRUSIONS THROUGH ROOF AND ON ROOF SHALL BE GROUNDED W/ #4 MINIMUM SIZE CONDUCTOR.
3. ALL GROUND CONNECTIONS SHALL BE WELDED.
4. THIS SYSTEM IS DESIGNED AROUND COPPER GROUND COMPONENTS AND ALUMINUM LIGHTNING PROTECTION COMPONENTS.
5. INCOMING METAL UTILITY LINES (WATER, ELECTRIC CONDUITS, ETC.) SHALL BE CONNECTED TO GROUND SYSTEM.
6. COORDINATE W/ ROOFING CONTRACTOR FOR LOCATIONS OF ANY ROOF PENETRATIONS REQUIRED BY LIGHTNING PROTECTIONS SYSTEM TO HAVE LEAK TIGHT PENETRATION.
7. ROOF CONDUCTORS SHALL BE FASTENED AT LEAST EVERY 0.9 METER, PER NFPA 780.

FINAL SUBMISSION
APRIL 9, 2013

IF SHEET IS LESS THAN (30"x42") IT IS
A REDUCED PRINT; SCALE ACCORDINGLY

E503

 766 MIDDLE ST., FARMING, AL 36532 251-990-5778 ARCH. & ENGR. SEAL 	NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO.	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PANAMA CITY, FLORIDA
	SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY CWS	CONSTRUCT NAVAL BRANCH HEALTH CLINIC PANAMA CITY
	FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY KDE	ELECTRICAL DETAILS
	PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	SUPERVISOR WWB	NAVFAC DRAWING NO. N/A
		APPROVED DATE	SIZE F CODE IDENT. NO.
		PUBLIC WORKS OFFICER	SCALE NONE MACC.
			CONSTR. CONTR. NO. T.O.#
			SHEET 10 OF 13