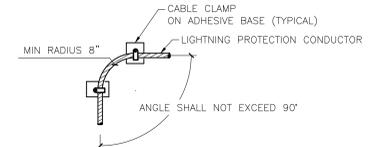


1 AIR TERMINAL "A" INSTALLATION DETAIL
NTS

NOTE:

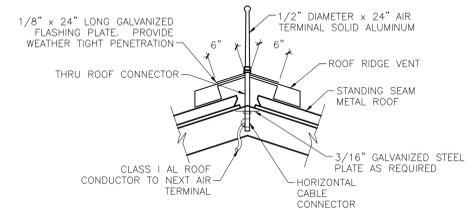
1. PROVIDE BLOCKING AND ADHESIVE BASES SO THAT MAIN AND SECONDARY LIGHTNING PROTECTION CONDUCTORS DO NOT COME IN CONTACT WITH STRUCTURE. MAXIMUM SPACING 3'-0"



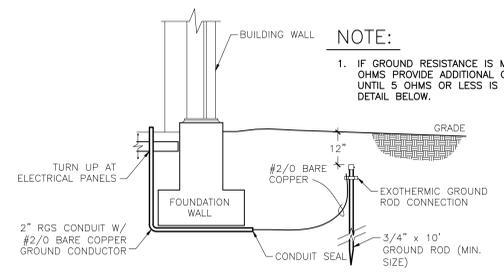
2 CONDUCTOR INSTALLATION DETAIL
NTS

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"



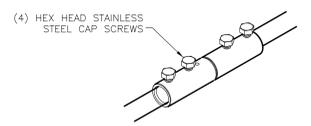
7 AIR TERMINAL "C" DETAIL
NTS



8 GROUND ROD INSTALLATION DETAIL
NTS

NOTE:

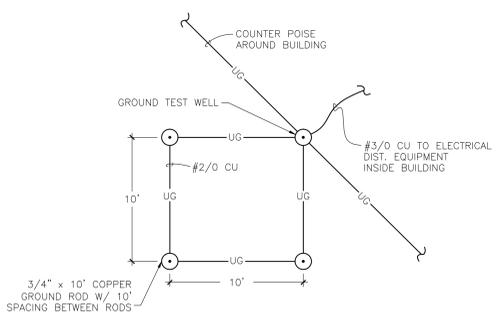
1. IF GROUND RESISTANCE IS MORE THAN 5 OHMS PROVIDE ADDITIONAL GROUND RODS UNTIL 5 OHMS OR LESS IS ACHIEVED. SEE DETAIL BELOW.



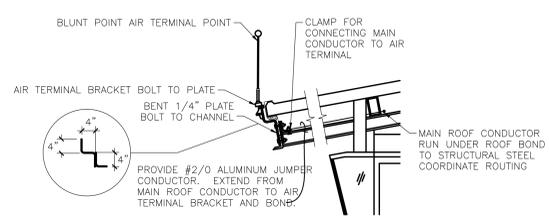
3 BI-METAL CONNECTOR
NTS

NOTE:

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



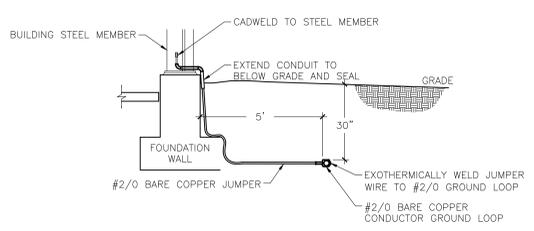
4 ELECTRICAL SYSTEM GROUND GRID DETAIL
NTS



5 AIR TERMINAL "B" INSTALLATION DETAIL
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.



6 BLDG. GROUND TYPICAL 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., FANNING, AL 36532 251-990-0778 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 GWS	NAVAL SUPPORT ACTIVITY PANAMA CITY, FLORIDA	
	FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY KDE	CONSTRUCT NAVAL BRANCH HEALTH CLINIC PANAMA CITY	
	PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	SUPERVISOR WWB	ELECTRICAL DETAILS NAVFAC DRAWING NO. N/A	
	APPROVED DATE	SIZE F	CODE IDENT. NO.	
	PUBLIC WORKS OFFICER	HOWC PROJ. NO. 520-13-200	CONSTR. CONTR. NO.	
		SCALE NONE	MACC.	
		T.O.#	SHEET 10 OF 13	