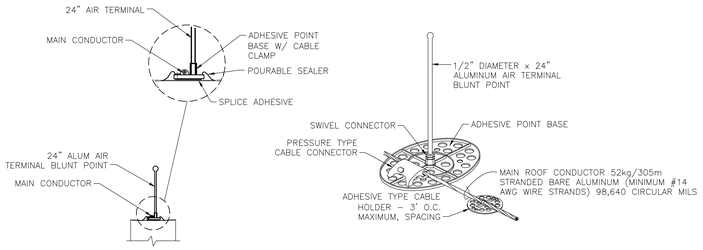
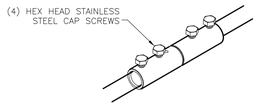


1 AIR TERMINAL "A" INSTALLATION DETAIL
NTS

NOTE:

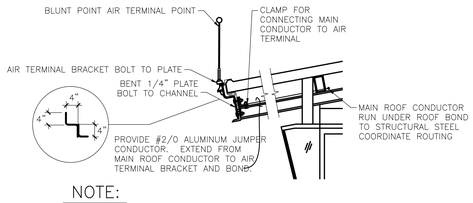
1. PROVIDE BLOCKING AND ADHESIVE BASES SO THAT MAIN AND SECONDARY LIGHTNING PROTECTION CONDUCTORS DO NOT COME IN CONTACT WITH STRUCTURE. MAXIMUM SPACING 3'–0"



NOTE:

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

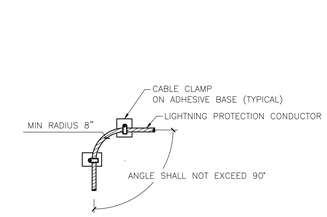
3 BI-METAL CONNECTOR
NTS



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.

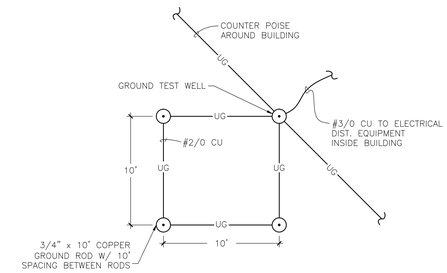
5 AIR TERMINAL "B" INSTALLATION DETAIL
NTS



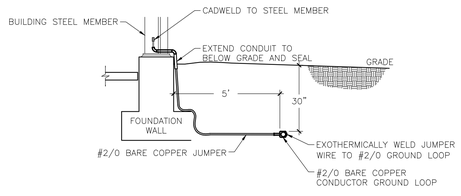
NOTE:

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"

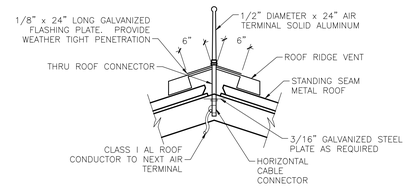
2 CONDUCTOR INSTALLATION DETAIL
NTS



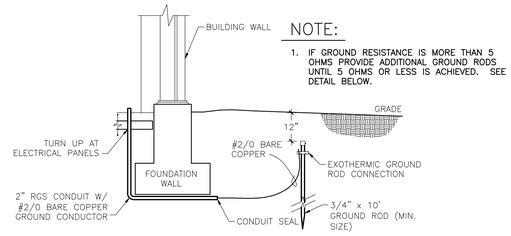
4 ELECTRICAL SYSTEM GROUND GRID DETAIL
NTS



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 6, 2012

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

E503

BES DESIGN/BUILD
766 MIDDLE ST., FARMVPE, AL 36532 251-990-5778
ARCH. & ENGR. SEAL

JOHN WADE SIEWERT LICENSED No. 65932 4/6/12 STATE OF FLORIDA PROFESSIONAL ENGINEER

FLORIDA BES DESIGN/BUILD LLC No. 29795 CERTIFICATE OF AUTHORIZATION

NATURAL RESOURCES & ENVIRONMENTAL AFFAIRS SATISFACTORY TO DATE	P.W. DWG. NO.
SAFETY DEPARTMENT SATISFACTORY TO DATE	DRAWN BY: GWS
FIRE DEPARTMENT SATISFACTORY TO DATE	CHECKED BY: GWS
PUBLIC WORKS SUPERVISOR SATISFACTORY TO DATE	SUPERVISOR: WWB
	APPROVED DATE PUBLIC WORKS OFFICER

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
NAVAL SUPPORT ACTIVITY
PANAMA CITY, FLORIDA

PANAMA CITY JOINT OUTPATIENT CLINIC
NAVAL GULF COAST HEALTH CARE

ELECTRICAL DETAILS

SIZE F	CODE IDENT. NO.	N A V F A C DRAWING NO. N/A
HQMC PROJ. NO.		CONSTR. CONTR. NO.
SCALE NONE	MACC.	T.O.# ____ SHEET 9 OF 13