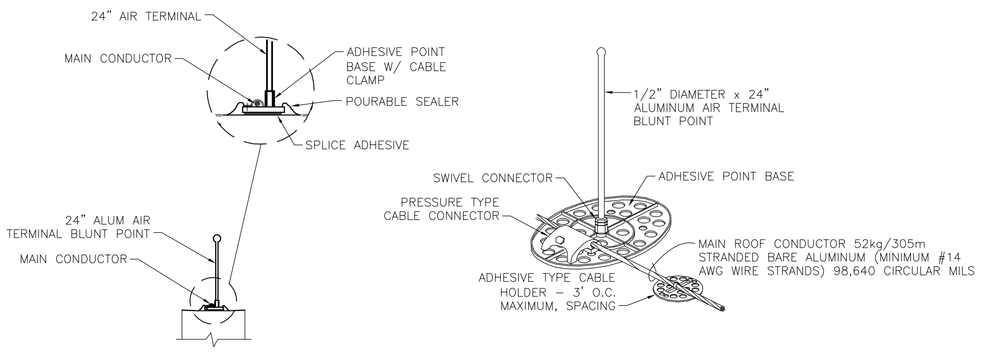
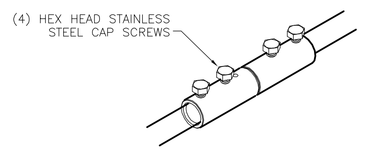


1 AIR TERMINAL "A" INSTALLATION DETAIL

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"

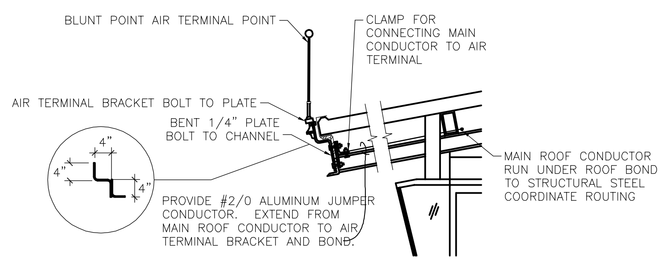


NOTE:

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

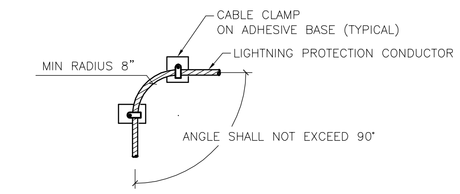


NOTE:

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

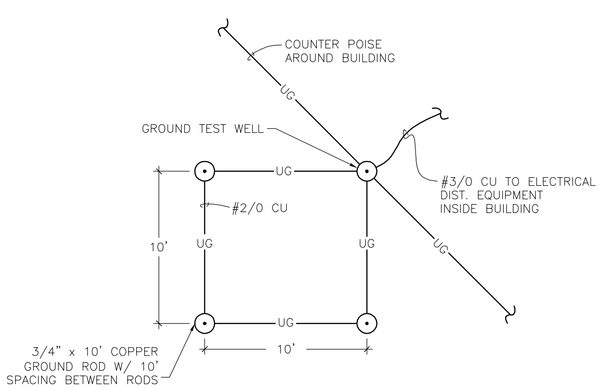


NOTE:

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"

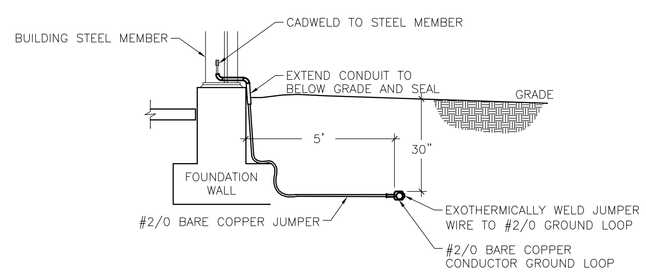
2 CONDUCTOR INSTALLATION DETAIL

NTS



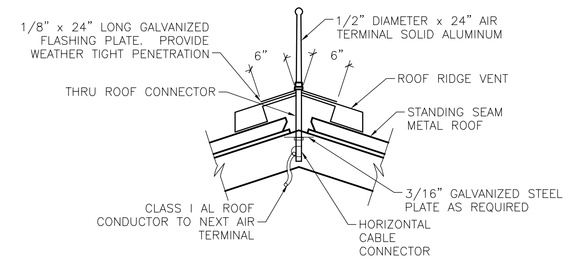
4 ELECTRICAL SYSTEM GROUND GRID DETAIL

NTS



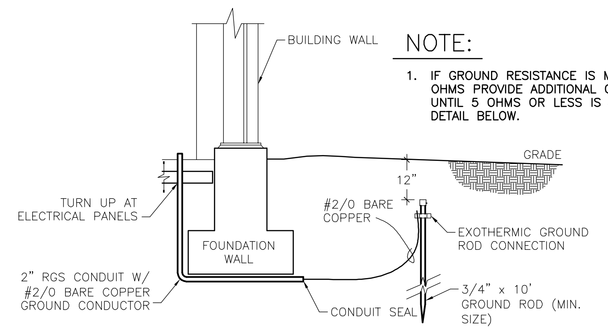
6 BLDG. GROUND TYPICAL INSTALLATION DETAIL

NTS



7 AIR TERMINAL "C" DETAIL

NTS



8 GROUND ROD INSTALLATION DETAIL

NTS

GENERAL NOTES:

1. A 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 / FULLY SPRINKLERED

Revisions	Date

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Drawing Title: LIGHTNING PROTECTION DETAILS

Approved Project Director:

Project Title: CONSTRUCT VA OUTPATIENT CLINIC, PANAMA CITY

Location: PANAMA CITY, FLORIDA

Date: APRIL 2013 | Checked: KDE | Drawn: GWS

Project Number: 520-326

Building Number: -

Drawing Number: EG103

Dwg. 19 of 19

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231