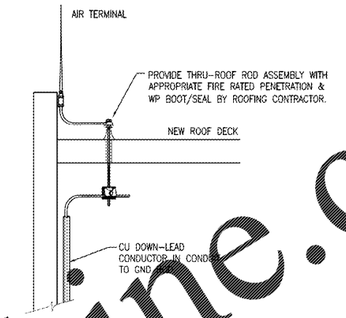
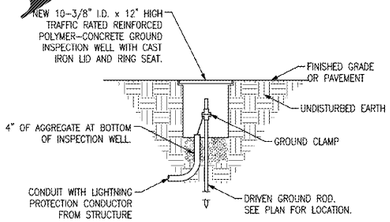
AIR TERMINAL 3/8" DIAM. X 18" LONG SOLID COPPER	BIMETALLIC STRAIGHT SPLICER FOR JOINING ALUMINUM AND COPPER CABLES, (4) STAINLESS STEEL BOLTS, BRASS AND ALUMINUM HEX SECTIONS	CRIMP FASTENER STAMPED ADHESIVE CRIMP COPPER FASTENER. USE WITH ADHESIVES COMPATIBLE WITH EXISTING ROOF SURFACE.
AIR TERMINAL 1/2" DIAM. X 18" LONG SOLID ALUMINUM	COPPER LOOP FASTENER FITS STANDARD CABLES THROUGH 2/0 COPPER, 1/2" WIDE FOR ONE NAIL OR WOOD SCREWS.	LOOP FASTENER 1-BOLT ALUMINUM FASTENER LOOP. NOT FOR USE ON ROOF SURFACE.
MAIN CONDUCTOR, SMOOTH TWIST COPPER STRANDED, 17 AWG MIN. CABLE, 57,400 CIRCULAR MILS.	LARGE BRONZE CLAMP HEAVY DUTY, FOR CLAMPING TWO STANDARD CABLES THROUGH 2/0 AND/OR THROUGH 5/8" RODS.	GROUND ROD 3/4" X 10' COPPERCLAD
BONDING CONDUCTOR, SMOOTH TWIST COPPER STRANDED CABLE WITH 17 AWG. MIN. STRANDS. 26,240 CIR. MILS MIN. CROSS-SECTIONAL AREA.	PIPE CLAMP ADJUSTABLE TINNED BRONZE CLAMP FOR BONDING TO PIPES. FITS PIPES 1 1/4" TO 2 1/4" O.D.	PERPENDICULAR GROUND ROD AND CABLE CLAMP COPPER BRONZE FOR CONNECTING ONE OR TWO HORIZONTAL CABLES THROUGH 2/0 TO AND [illegible] GROUND ROD THROUGH 3/4".
BONDING CONDUCTOR, ALUMINUM STRANDED CABLE WITH 14 AWG. MIN. STRANDS. 41,100 CIR. MILS MIN. CROSS-SECTIONAL AREA.	PRESSURE-TYPE TEE CABLE CONNECTOR CAST BRONZE [illegible]SURE TYPE TEE CONNECTOR. CLAMPS STRANDED CABLES THROUGH 2/0. FINISHED COMPLETE WITH HEX BOLTS AND WASHERS.	



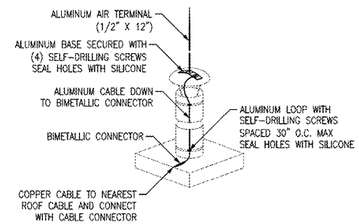
1 DOWN CONDUCTOR THRU-ROOF

SCALE: N.T.S.



2 INSPECTION WELL

SCALE: N.T.S.



NOTES:
1. MAINTAIN 8' MAXIMUM CABLE DISTANCE FROM BASE TO CABLE CONNECTOR.
2. COPPER MATERIALS CANNOT BE RUN ON ALUMINUM SURFACES.

3 TYPICAL FLUE MOUNT AIR TERMINAL

SCALE: N.T.S.

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FINAL DESIGN
APPROVED FOR CONSTRUCTION

Revisions:	Date

CONSULTANTS:

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Drawing Title	LIGHTNING PROTECTION DETAILS
Approved: Project Director	
Project Title	REPLACE BOILERS - FCA D, ENERGY AT THE MALCOM RANDALL VAMC
Location	GAINESVILLE, FLORIDA
Date	MARCH 9, 2018
Checked	CJF
Drawn	KLL
Project Number	573-14-600
Building Number	
Drawing Number	EQ501
	125 OF 127

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231