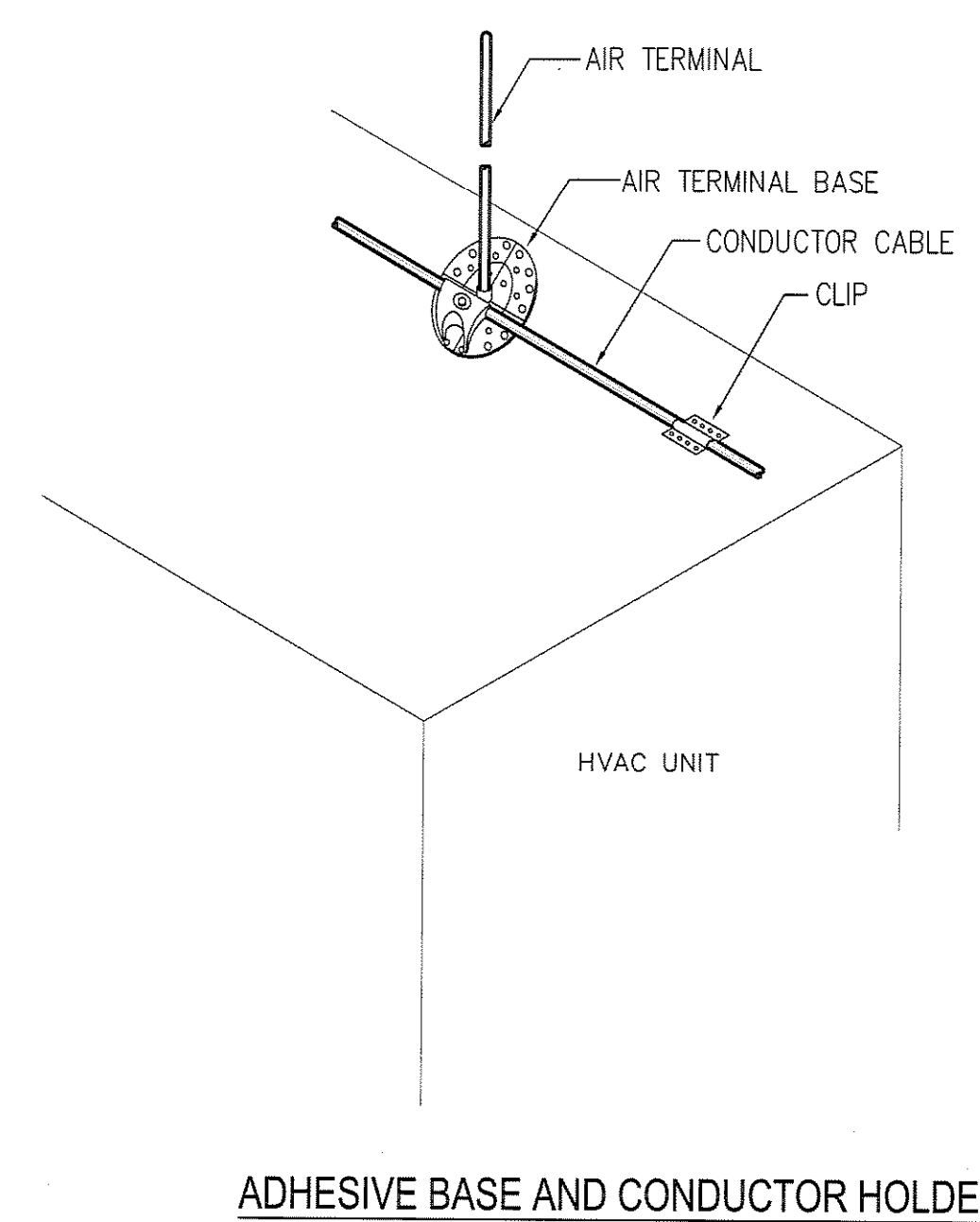
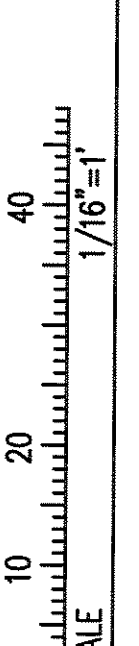
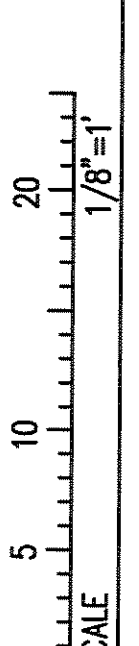
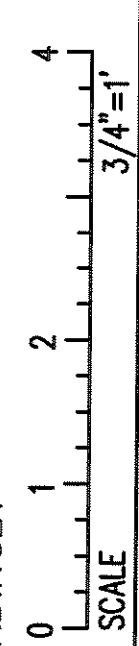
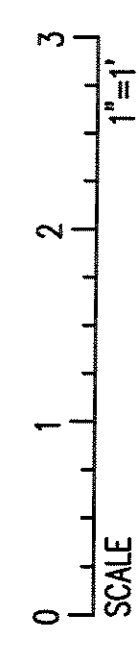


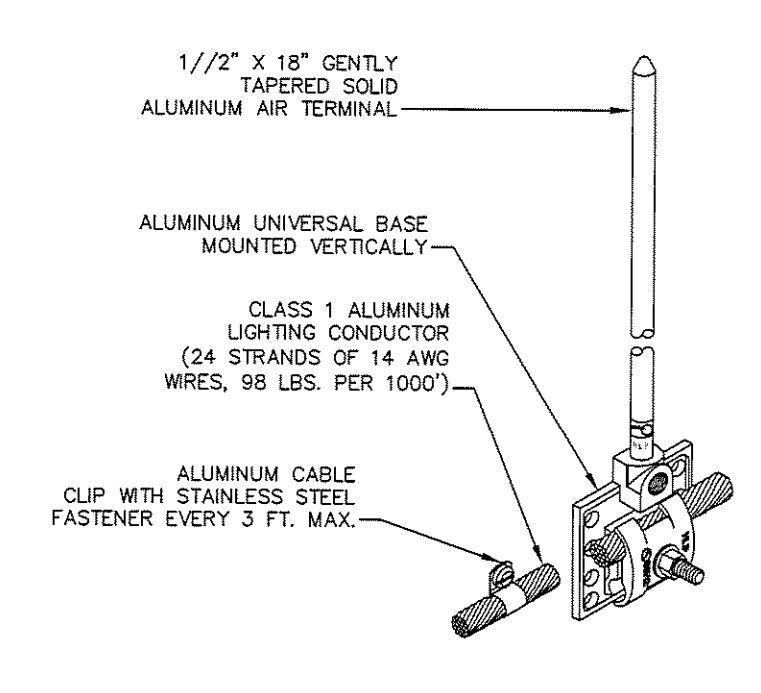
IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY



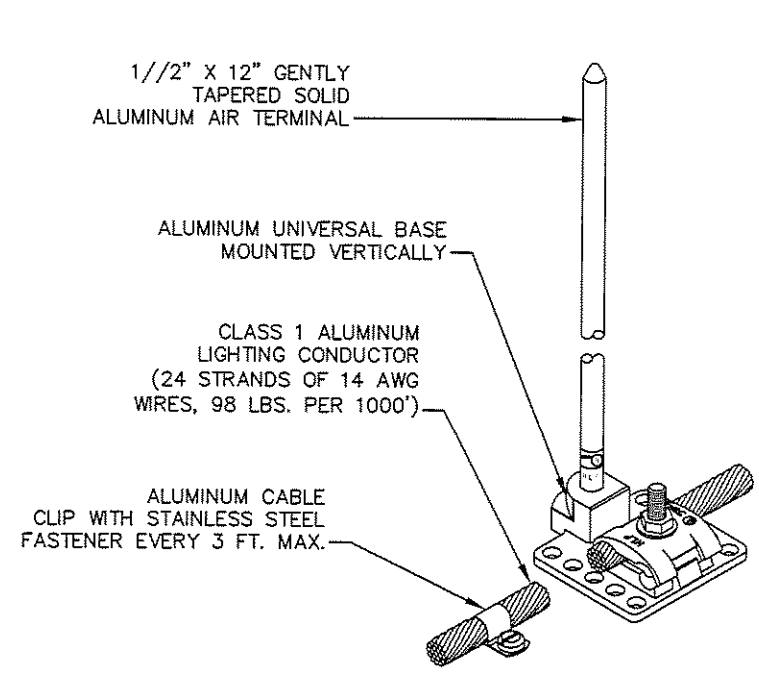
ADHESIVE BASE AND CONDUCTOR HOLDER
LIGHTNING PROTECTION SYSTEM AIR TERMINAL DETAIL

- DETAIL NOTES:
1. AIR TERMINAL LENGTHS AND EXACT LOCATIONS TO BE DETERMINED BY LIGHTNING PROTECTION SYSTEM INSTALLER.
 2. REFER TO SPECIFICATION SECTION #16670 FOR ADDITIONAL REQUIREMENTS.

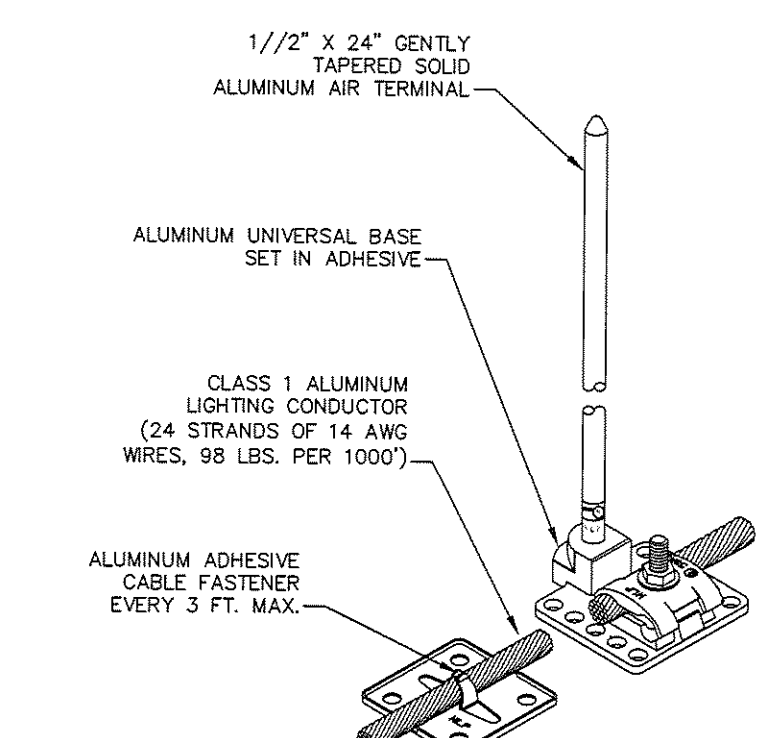
- NOTES:
1. THE COMPLETED INSTALLATION SHALL MEET THE "INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS, UL96A" OF UNDERWRITERS LABORATORIES. THE UL MASTER LABEL SHALL BE FURNISHED TO THE OWNER UPON COMPLETION.
 2. ALUMINUM LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL NOT BE MOUNTED TO COPPER SURFACES. COPPER COMPONENTS SHALL BE USED TO AVOID ELECTROLYTIC CORROSION.
 3. METAL BODIES WITHIN 6" - 0" OF THE LIGHTNING PROTECTION SYSTEM SHALL BE BONDED TO THE SYSTEM IN ACCORDANCE WITH UL96A REQUIREMENTS.
 4. UNDERGROUND METALLIC PIPING ENTERING THE BUILDING SHALL BE BONDED TO THE NEAREST DOWN CONDUCTOR OR GROUND ELECTRODE.
 5. ADHESIVE USED WITH ADHESIVE AIR TERMINAL BASES AND CONDUCTOR FASTENERS SHALL BE COMPATIBLE WITH ROOFING MEMBRANE - VERIFY WITH ROOFING CONTRACTOR.
 6. ROOF TOP EQUIPMENT NOT SHOWN ON THIS DRAWING SHALL BE PROTECTED AS REQUIRED TO MEET THE REQUIREMENTS LISTED ABOVE INCLUDING THE INSTALLATION OF AIR TERMINALS AND OR BONDING.



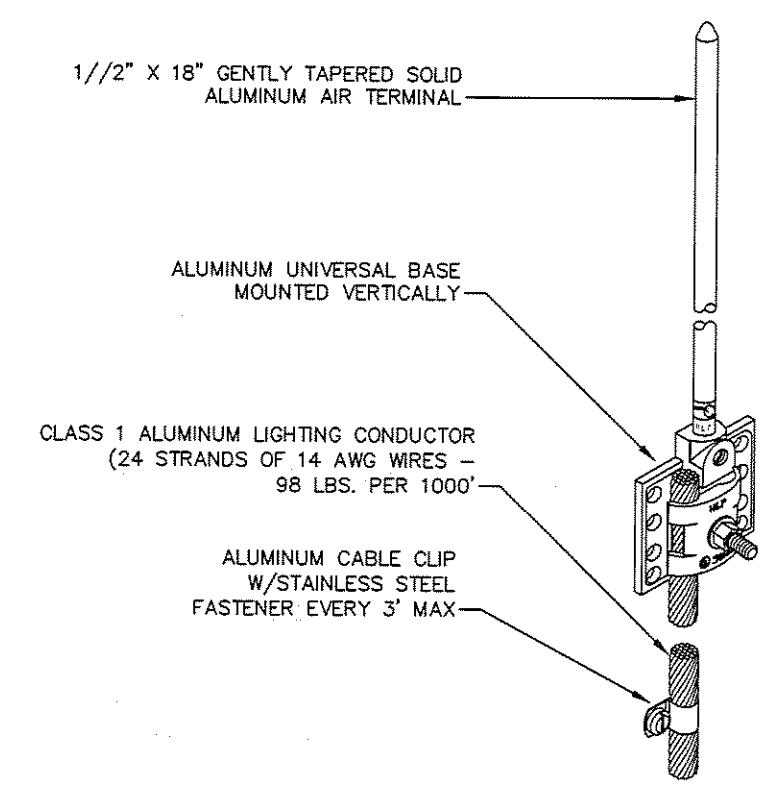
AIR TERMINAL DETAIL "A"



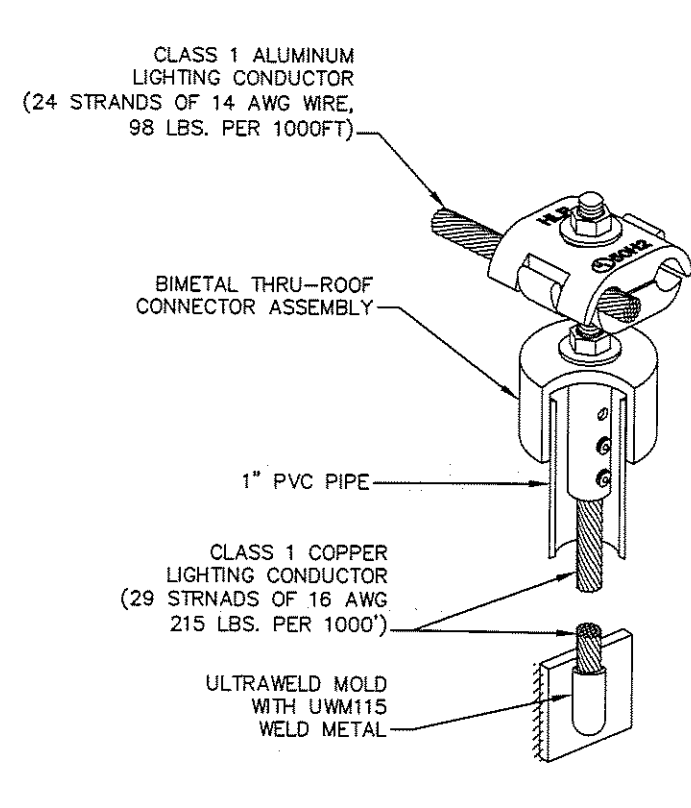
AIR TERMINAL DETAIL "B"



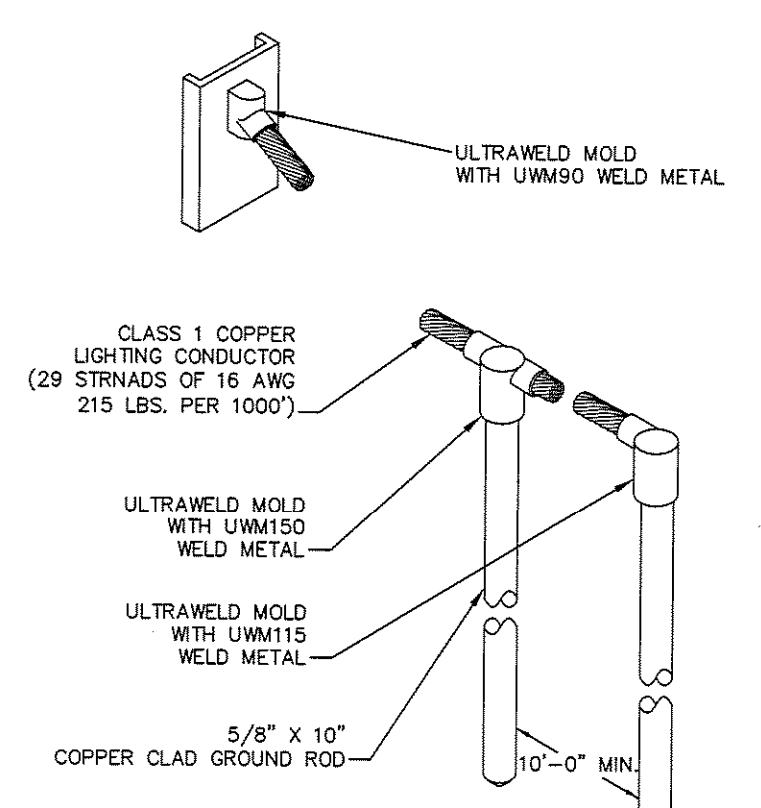
AIR TERMINAL DETAIL "C"



AIR TERMINAL DETAIL "D"



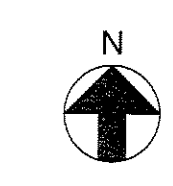
THRU ROOF DETAIL "E"



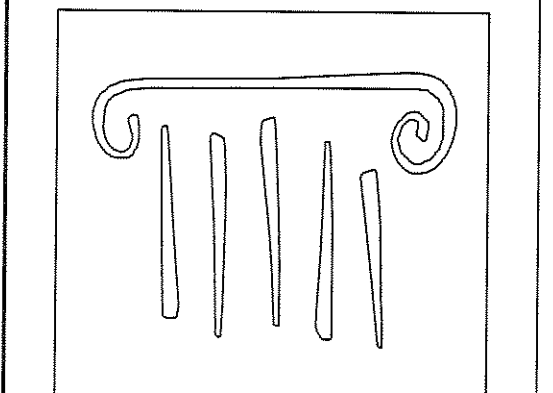
GROUND ROD DETAIL "F"

LIGHTNING PROTECTION SYSTEM AIR TERMINAL INSTALLATION DETAIL

7. AIR TERMINALS ARE TO BE LOCATED A MAXIMUM OF 24" FROM THE ROOF EDGE AND PROJECT A MINIMUM OF 10" ABOVE THE PROTECTED EDGE. THE SPACING BETWEEN AIR TERMINALS IS NOT TO EXCEED 20 FEET. SPACING FOR AIR TERMINALS THAT EXTEND 24" ABOVE THE PROTECTED EDGE IS NOT TO EXCEED 25'.
8. ALL LIGHTNING CONDUCTORS ARE TO MAINTAIN A HORIZONTAL OR DOWNWARD PATH. ALL BENDS IN THE CONDUCTOR SHALL HAVE A RADIUS BEND OF 8 INCHES OR GREATER, AND SHALL HAVE AN ANGLE BEND OF 90 DEGREES OR GREATER.
9. NOT ALL INDIVIDUAL ITEMS OF THE LIGHTNING PROTECTION SYSTEM ARE SHOWN, BUT A COMPLETE SYSTEM SHALL BE PROVIDED TO MEET MASTER LABEL REQUIREMENTS.
10. ROOF PADS, PAVERS, FLASHINGS OR ANY OTHER SPECIAL ROOFING MATERIALS REQUIRED FOR THE INSTALLATION OF THE LIGHTNING PROTECTION SYSTEM SHALL BE FURNISHED AND INSTALLED BY THE ROOFING CONTRACTOR.



BID SET - NOT FOR CONSTRUCTION



PORT CITY ARCHITECTURE

65 NEWBURY STREET
 PORTLAND, ME 04101
 207.761.9000
 fax: 207.761.2010
 lita@portcityarch.com

VANZELM ENGINEERS

VANZELM HEYWOOD & SHADFORD, INC.
 10 TALCOTT NOTCH FARMINGTON, CT 06032
 TEL: (860) 284-2064 FAX: (860) 284-2098

PROJECT NO.: 2007120.00

BECKER
 Structural Engineers, Inc.

SYTDesign CONSULTANTS
 CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE

ALLIED/COOK CONSTRUCTION

Favreau
 FLORIST

Titan Mechanical, Inc.
 Design-Build Engineering - Mechanical Contracting

UNIVERSITY OF NEW ENGLAND

COLLEGE OF PHARMACY

**716 STEVENS AVENUE,
 PORTLAND, ME**

#	DATE	DESCRIPTION
		BID SET
	02/08/08	Date Issued
	06506	Project Number

SHEET NAME
LIGHTNING PROTECTION DETAILS

Drawn By
 AMM

Checked By
 MER

E2.1