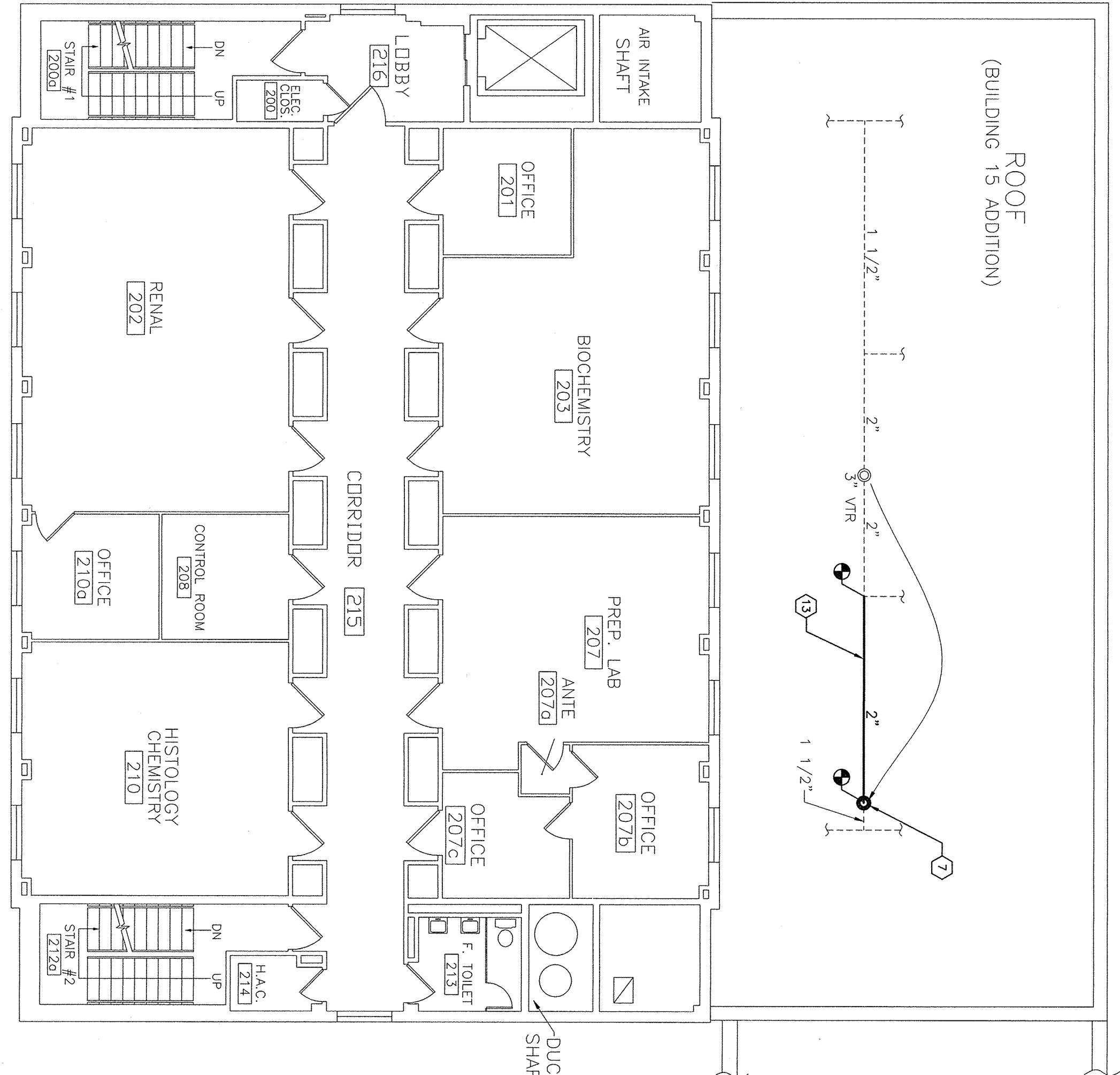


- GENERAL ROOFING NOTES**
1. USE ONLY "CARUSLE" APPROVED METHODS FOR MODIFYING AND REPAIRING EXISTING CARUSLE EPDM ROOFING SYSTEM.
 2. ONLY A CARUSLE AUTHORIZED ROOFING COMPANY SHALL PERFORM WORK ON THE EXISTING ROOF SYSTEM.
 3. ROOF PENETRATIONS ARE DETAILED ON DRAWING S-1-1.
 4. REMOVE OR TEMPORARILY REPLACE ROOF PANELS AS REQUIRED TO PERFORM ROOFING WORK.
 5. PLYWOOD OR OTHER MATERIALS SHALL BE USED TO PROTECT THE ROOF DURING CONSTRUCTION. ROOF DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
 6. BRING SHOWN IN A SEPARATE ONLY. SQUARENESS NOT SHOWN. PLYWOOD OR OTHER MATERIALS SHALL BE USED TO PROTECT THE ROOF DURING CONSTRUCTION. ROOF DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
 7. CONTRACTOR IS RESPONSIBLE FOR ASSURING TEMPORARY OPENINGS ARE WATER TIGHT AT ALL TIMES DURING CONSTRUCTION. WATER DAMAGE DUE TO LEAKAGE OR TEMPORARY OPENINGS REPAIRS SHALL BE RESPONSIBILITY OF CONTRACTOR. REPAIRS SHALL BE MADE USING MATERIALS AND METHODS TO MATCH EXISTING, AND SHALL BE TO SATISFACTION OF OWNER.



**BLDG. 15 (ANIMAL EXPANSION AREA)
MECHANICAL ROOF PLAN**

SCALE: 1/8"=1'-0"



**BLDG. 15 (ANIMAL EXPANSION AREA)
ROOF VENT RELOCATION**

SCALE: 1/8"=1'-0"

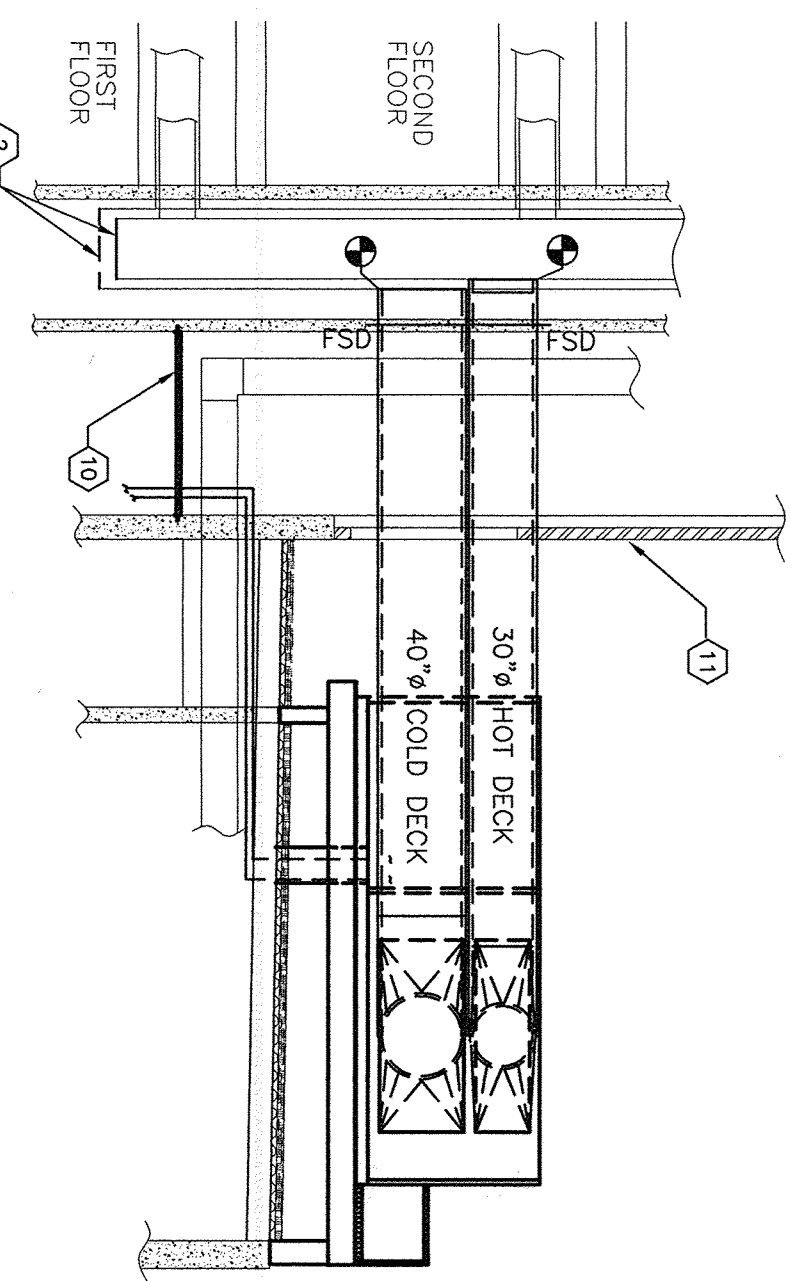


DRAWING NOTES

1. 6" ONS, 6" ONS, 6" ONS, 1 1/4" PR, 2 1/2" QUS, 2 1/2" QUR.
2. REMOVE EXISTING WINDOW AND MASONRY ABOVE AND BELOW AS REQUIRED TO INSTALL NEW DOOR. 100% IN MASONRY.
3. REMOVE EXISTING WALL CONNECTOR AND CAP PIPES BELOW THE FLOOR LEVEL. PATCH FLOOR SLAB AND RESTORE FLOOR FINISH TO MATCH ADJACENT FLOOR FINISHES.
4. ROOF ACCESS DOOR:
 - A) ONE 6"x3" EXTERIOR GRADE HOLLOW METAL DOOR
 - B) HIDE HINGES-BE108 5"x4 1/2", HEAVY-DUTY BALL BEARING
 - C) MORRIS LOCKSET, SERIES 1000 GRADE 2, KEYS BOTH SIDES.
 - D) WEATHER STRIPPING
 - E) NEW LUTILL
 - F) HOLLOW METAL DOOR FRAME
5. PROVIDE OSHA-COMPLIANT STEEL STAIRWAY FOR ACCESS TO THE ROOF. ATTACH STAIRS TO THE FLOOR.
6. REMOVE EXISTING ROOF VENT. PROVIDE EXISTING ROOF PENETRATION. PROVIDE ROOF PENETRATION AT NEW VENT LOCATION AND SEAL AND MAINTAIN WATERPROOFING.
7. ALL NEW DUCTWORK FOR AHU-30 SHALL BE RATED 4 IN. WC, PRESSURE CLASS AND BE UNITED AGILL ACQUST K-27 DUCT WITH 1 1/2" INSULATION AND PERFORATED INNER LINER, OR APPROVED EQUAL.
8. PROVIDE DUCT ACCESS DOORS FOR ALL SMOKE DAMPERS AND COMBINATION FIRE AND SMOKE DAMPERS. REFER TO THE MECHANICAL SPECIFICATIONS FOR DUCT ACCESS DOOR DETAIL. M-5 FOR COMBINATION SMOKE/FIRE DAMPER INSTALLATION DETAIL.
9. [ALTERNATE DETAIL #1] NEW EXPANDED METAL CEILING 8'-0" AFF. SEE DETAIL 1 AND NOTE 5 ON DWG. 14-1.
10. CUT EXISTING EXTRUDED ALUMINUM WALL JOINTS TO ACCOMMODATE NEW SUPPLY DUCTS. BLANK OFF OPENINGS AROUND NEW DUCTS WITH 16 GA. GALVANIZED STEEL AND SEAL ALL EDGES WITH SILICONE GROUT WATERPROOF.
11. REPLACE 1 1/2" DIAMETER VENT PIPE IN THIS AREA WITH 2" DIAMETER VENT PIPE. NEW PIPE MATERIAL SHALL BE EQUAL TO EXISTING.
12. SECTION D-D-G OPENING SHALL BE USED FOR PIPING AND ELECTRIC CONDUIT ACCESS.
13. EXISTING DDC PANEL RELOCATED HERE. MAINTAIN MINIMUM 36" CLEARANCE IN FRONT OF DDC CONTROL PANEL.
14. CONTRACTOR TO CUT WALL OPENING AS REQUIRED TO MAKE CONNECTIONS TO EXISTING WALL CONSTRUCTION WHEN HE IS TO MATCH WALL TO MATCH EXISTING WALL CONSTRUCTION.
15. INSTALL LIGHTNING PROTECTION FOR NEW AHU. ATTACHMENT METHOD MUST BE APPROVED BY THE MECHANICAL ENGINEER AND THE BUILDING DEPARTMENT.

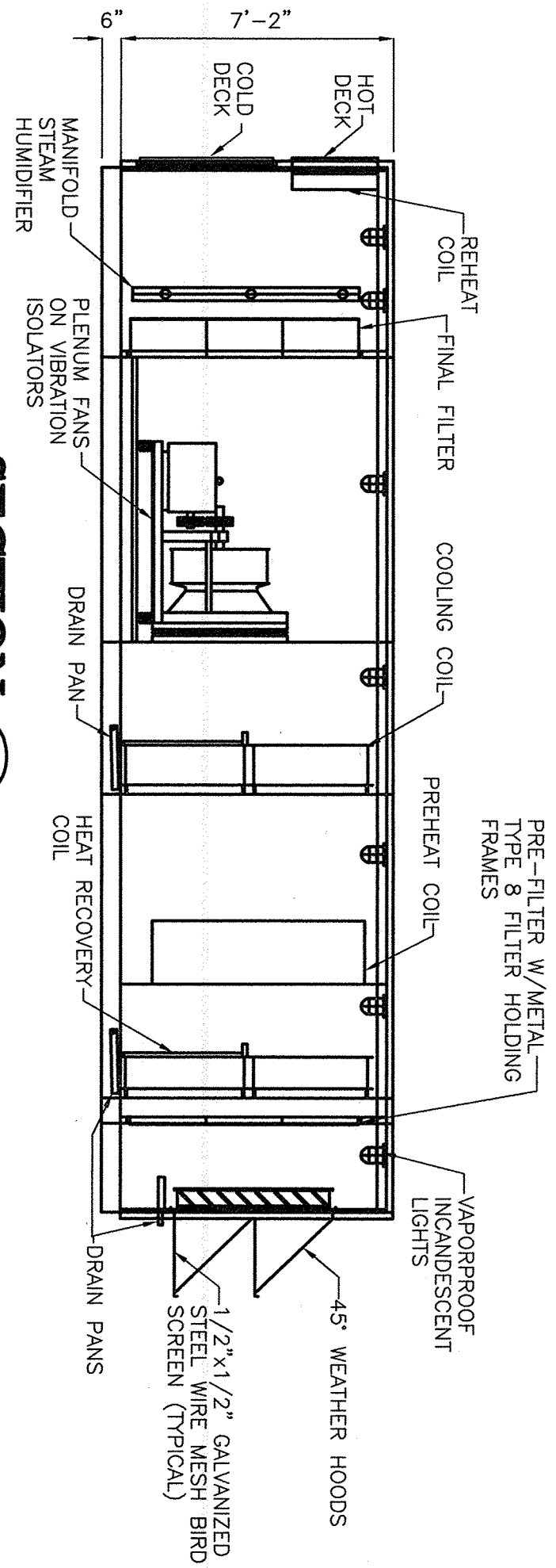
SECTION A
SCALE: 1/8"=1'-0"

M2



SECTION C
SCALE: 1/8"=1'-0"

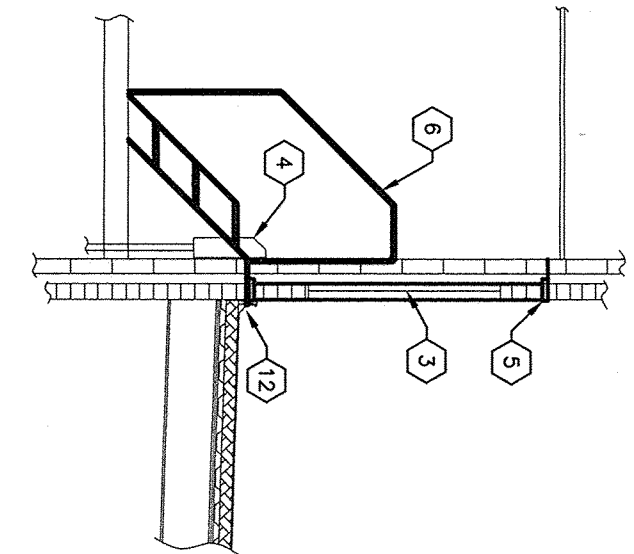
M2



NOTE: BASE STEEL, ROOF, MAINTENANCE PLATFORM & DUCT NOT SHOWN FOR CLARITY

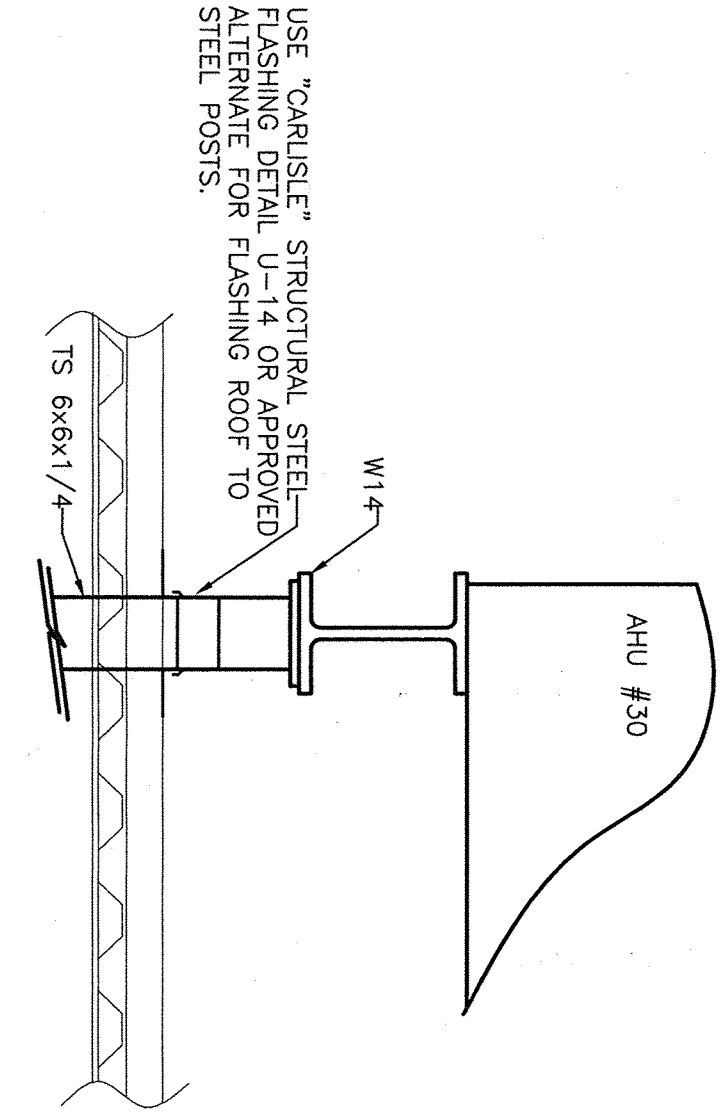
SECTION B
SCALE: 1/8"=1'-0"

M2



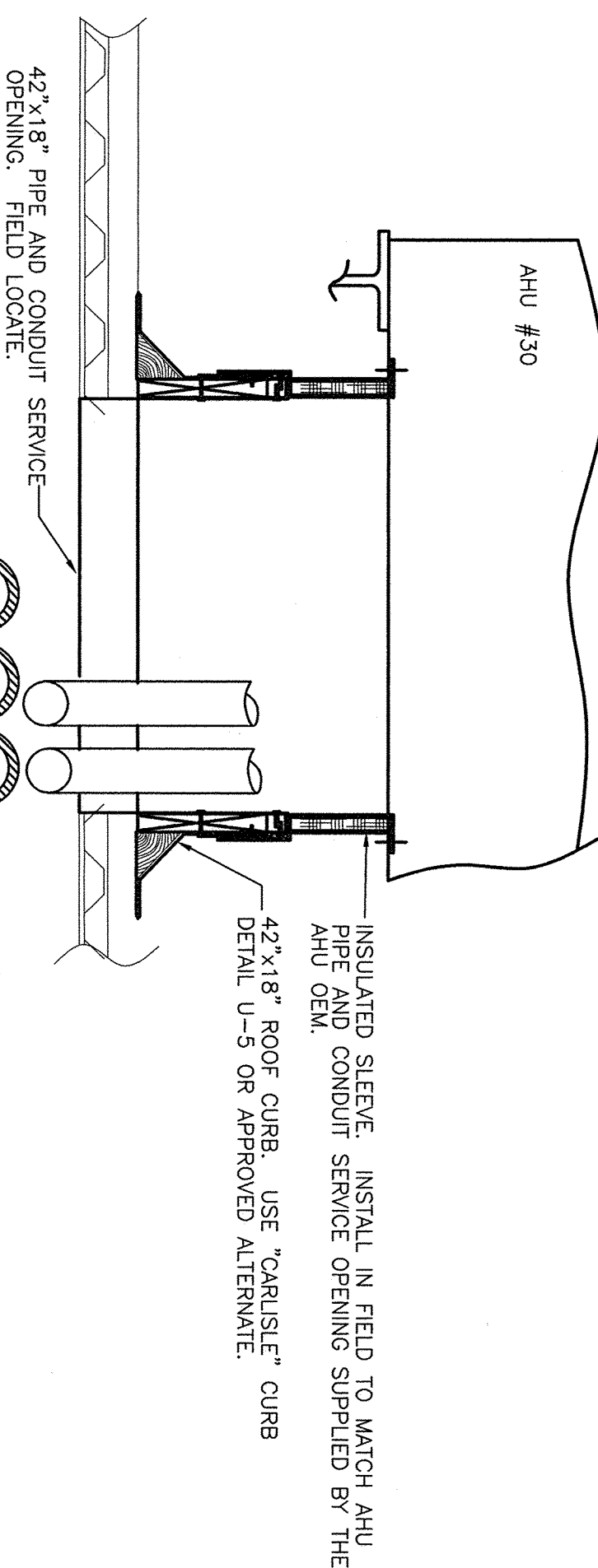
SECTION E
SCALE: 1/8"=1'-0"

M2



SECTION D
SCALE: 1/8"=1'-0"

M2



INSULATED SLEEVE. INSTALL IN FIELD TO MATCH AHU PIPE AND CONDUIT SERVICE. DETAIL U-5 OR APPROVED ALTERNATE.

FOR CONSTRUCTION	8/10/98
100% CLIENT REVIEW	7/17/98
85% CLIENT REVIEW	6/12/98
35% CLIENT REVIEW (REVISED)	5/15/98
35% CLIENT REVIEW	4/15/98
Revisions	Date

FOSDICK & HILMER, INC.
CONSULTING ENGINEERS
36 E. 4TH STREET
CINCINNATI, OHIO 45202

Drawing Title	Project Title
BUILDING 15 (AHU 30) MECHANICAL ROOF PLAN	REPLACE AIR HANDLING UNITS 4,5,6, & 30
Approved: Chief, Engineering Service	Building Number 015
	Checked TDC
	Drawn SD
	Location CINCINNATI, OHIO

Dwg. 5 of 11	Project No. 539-98-103	Drawing No. 98-15
	Project Date AUGUST 10, 1998	

Office of Facilities
Department of Veterans Affairs