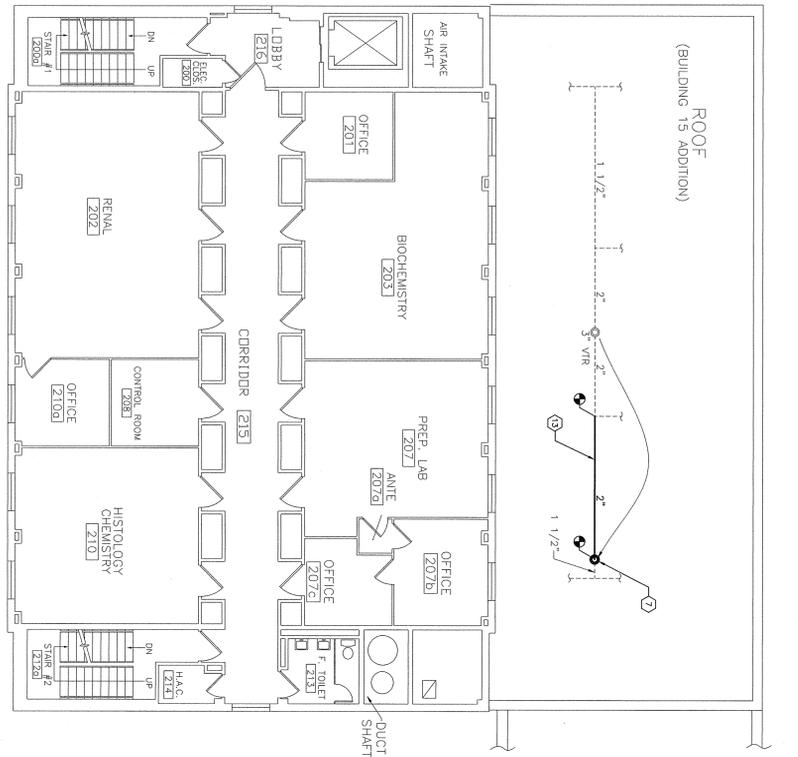


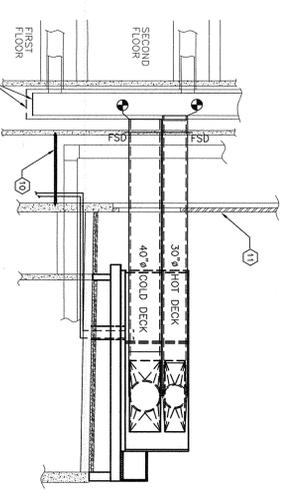
**BLDG. 15 (ANIMAL EXPANSION AREA)
MECHANICAL ROOF PLAN**
SCALE: 1/8"=1'-0"



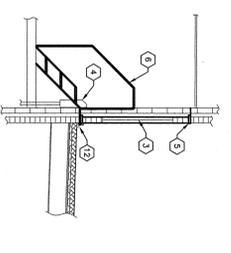
**BLDG. 15 (ANIMAL EXPANSION AREA)
ROOF VENT RELOCATION**
SCALE: 1/8"=1'-0"

GENERAL ROOFING NOTES

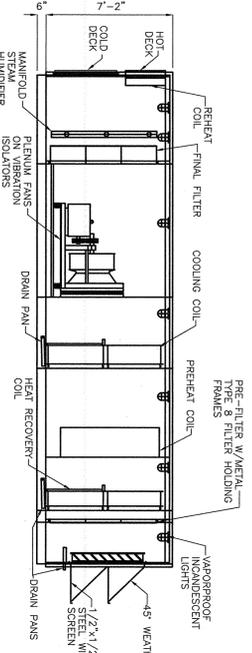
1. USE ONLY "CARUSITE" APPROVED METHODS FOR MODIFYING AND REPAIRING EXISTING CARUSITE EPDM ROOFING SYSTEM.
2. ONLY A CARUSITE AUTHORIZED ROOFING COMPANY SHALL PERFORM WORK ON THE EXISTING ROOF SYSTEM.
3. ROOF PENETRATIONS ARE DETAILED ON DRAWING S-1-1.
4. REMOVE OR TEMPORARILY REPLACE ROOF PAPERS AS 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. BEING SHOWN IN 1. SPECIFICALLY ONLY. CONTRACTOR DOES NOT SHOW ALL DRAINING OR PIPE FITTING REQUIREMENTS. COMPLETE PILING REQUIREMENTS SHALL BE DETERMINED AND FIELD VERIFICATION TO BE OBTAINING THE EXACT PIPE ROUTE.
7. CONTRACTOR IS RESPONSIBLE FOR ASSURING TEMPORARY OPENINGS ARE WATER TIGHT AT ALL TIMES DURING CONSTRUCTION. WATER DAMAGE DUE TO LEAKAGE OR TEMPORARY OPENINGS TO OWNER. REPAIRS SHALL BE MADE USING MATERIALS AND METHODS TO MATCH EXISTING, AND SHALL BE TO SATISFACTION OF OWNER.



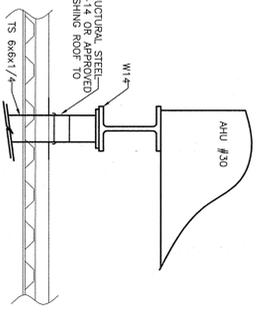
SECTION A
SCALE: 1/8"=1'-0"



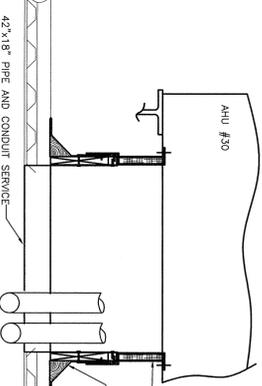
SECTION B
SCALE: 1/4"=1'-0"



SECTION C
SCALE: 1/4"=1'-0"



SECTION D
SCALE: 1/4"=1'-0"



SECTION E
SCALE: 1/4"=1'-0"

DRAWING NOTES

- 1) 6" ONSH. 6" UPS. 1 1/4" PER. 2 1/2" DIA. S. 2 1/2" DIA. UVR. PLENUM SPACE. CONTRACTOR SHALL COORDINATE ACCESS TO THE CEILING AREAS OF OCCUPIED SPACES WITH THE PART OF THE PLASTER CEILING TO GAIN ACCESS TO THE CEILING PLUMBING. REPAIRING AND REPAIRING ALL CEILING SHALL BE THE CONTRACTORS RESPONSIBILITY. PROVIDE APPROVED ACCESS PANELS IN THE PLASTER CEILING.
- 2) CAP RISERS AND REMOVE DUCT BELOW INDICATED POINT.
- 3) REMOVE EXISTING WINDOW AND MASONRY ABOVE AND BELOW AS REQUIRED TO INSTALL NEW DOOR. 100% IN MASONRY AS REQUIRED TO MATCH EXISTING.
- 4) REMOVE EXISTING WALL CONNECTOR AND CAP PIPES BELOW THE FLOOR LEVEL. PATCH FLOOR SLAB AND RESTORE FLOOR FINISH TO MATCH ADJACENT FLOOR FINISHES.
- 5) ROOF ACCESS DOOR:
 - A) ONE 6'x3' EXTERIOR GRADE HOLLOW METAL DOOR
 - B) HINGE HINGERS-881168 5'x4 1/2". HEAVY-DUTY BALL BEARING (CORBIN LOCKSET, SERIES 1000 GRADE 2. KEVED BOTH SIDES.
 - C) MORTISE LOCKSET, SERIES 1000 GRADE 2. KEVED BOTH SIDES.
 - D) WEATHER STRIPPING
 - E) NEW LINTEL FRAME
 - F) NEW LINTEL HEAD
 - G) HOLLOW METAL DOOR FRAME
- 6) PROVIDE OSHW-COMPLIANT STEEL STAIRWAY FOR ACCESS TO THE ROOF. ATTACH STAIRS TO THE FLOOR.
- 7) RELocate EXISTING ROOF VENT FROM EXISTING ROOF PENETRATION PROVIDE ROOF PENETRATION AT NEW VENT LOCATION AND SEAL AND MANUFACTURING MATERIALS AND METHODS APPROVED BY ROOF.
- 8) ALL NEW DUCTWORK FOR AHU-30 SHALL BE RATED 4 IN. W.C. PRESSURE CLASS AND BE UNITED AGCOLL ACQUISIT K-27 DUCT WITH 1 1/2" INSULATION AND PERFORATED INNER LINER, OR APPROVED EQUAL.
- 9) PROVIDE DUCT ACCESS DOORS FOR ALL SMOKE DAMPERS AND COMBINATIONS FIRE AND SMOKE DAMPERS. REFER TO THE MECHANICAL SPECIFICATIONS FOR DUCT ACCESS DOOR DETAIL. PROVIDE DUCT ACCESS DOORS FOR COMBINATION SMOKE/FIRE DAMPER INSTALLATION DETAIL.
- 10) [FURNITURE DETAIL #1] NEW EXPANDED METAL CEILING 8'-0" AFF. SEE DETAIL 1 AND NOTE 5 ON DWG. 14-1.
- 11) CUT EXISTING EXTRUDED ALUMINUM WALL LOWER TO ACCOMMODATE NEW SUPPLY DUCTS. BLANK OFF OPENINGS AROUND NEW DUCTS WITH 16 GA. GALVANIZED STEEL AND SEAL ALL EDGES WITH SILICONE CAULK VENTILATION.
- 12) COUNTERFLASH ROOF MEMBRANE WITH BUILDING USING LIKE CONSTRUCTION. REPLACE 1 1/2" DIAMETER VENT PIPE IN THIS AREA WITH 2" DIAMETER 4" VENT PIPE. NEW PIPE MATERIAL SHALL BE EQUAL TO EXISTING. SECTION D-D-O OPENING SHALL BE USED FOR PILING 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 MATCH EXISTING WALL CONSTRUCTION.
- 15) INSTALL LIGHTNING PROTECTION FOR NEW AHU. ATTACHMENT METHOD VARY AS APPROVED BY THE MECHANICAL ENGINEER AND THE BUILDING DEPARTMENT.

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 Services	Building Number 015
Checked: TDC	Drawing SD
Location CINCINNATI, OHIO	Drawing No. 98-75
Date AUGUST 10, 1998	Project No. 539-98-103

Office of Facilities
Department of Veterans Affairs