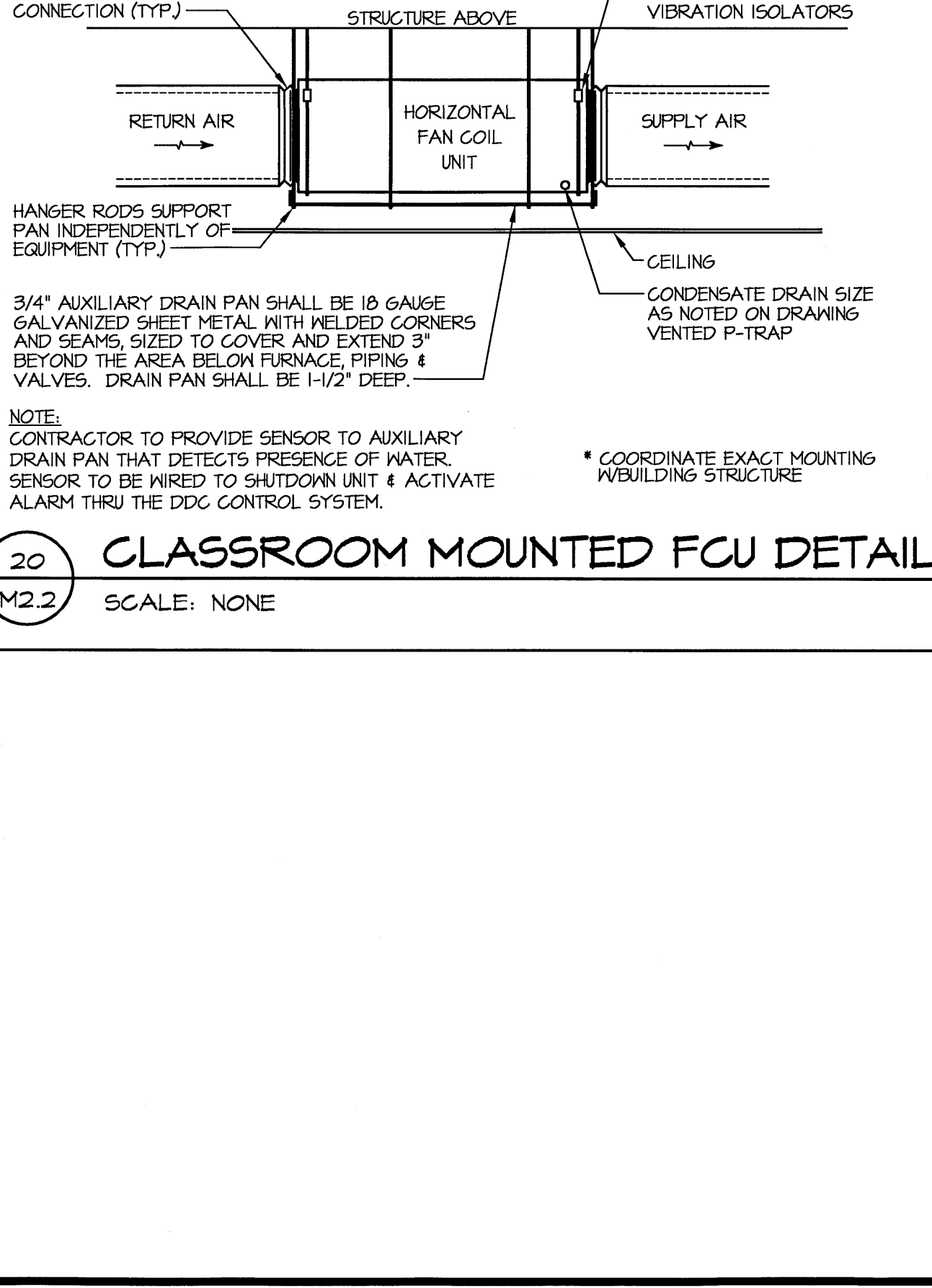
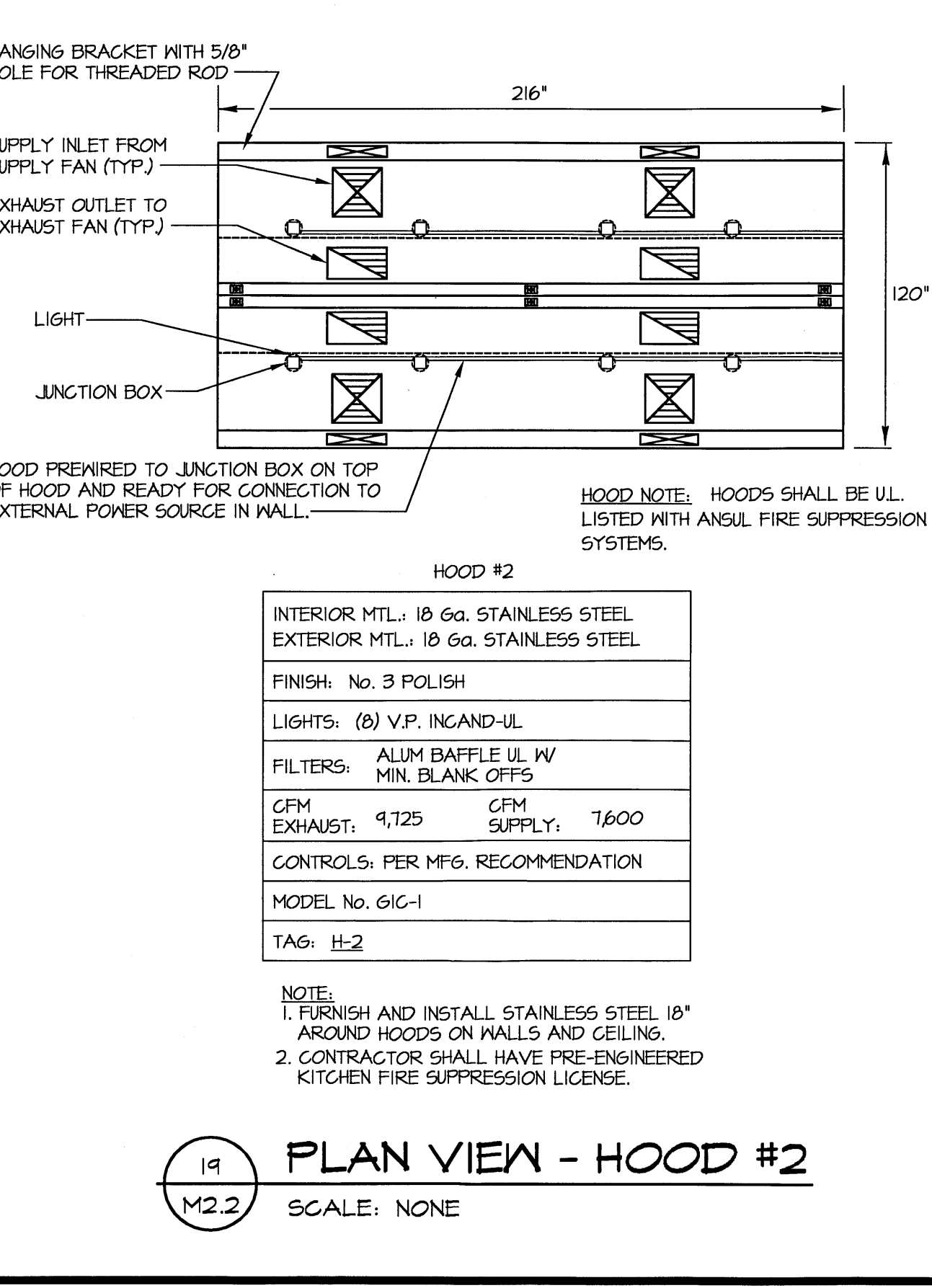
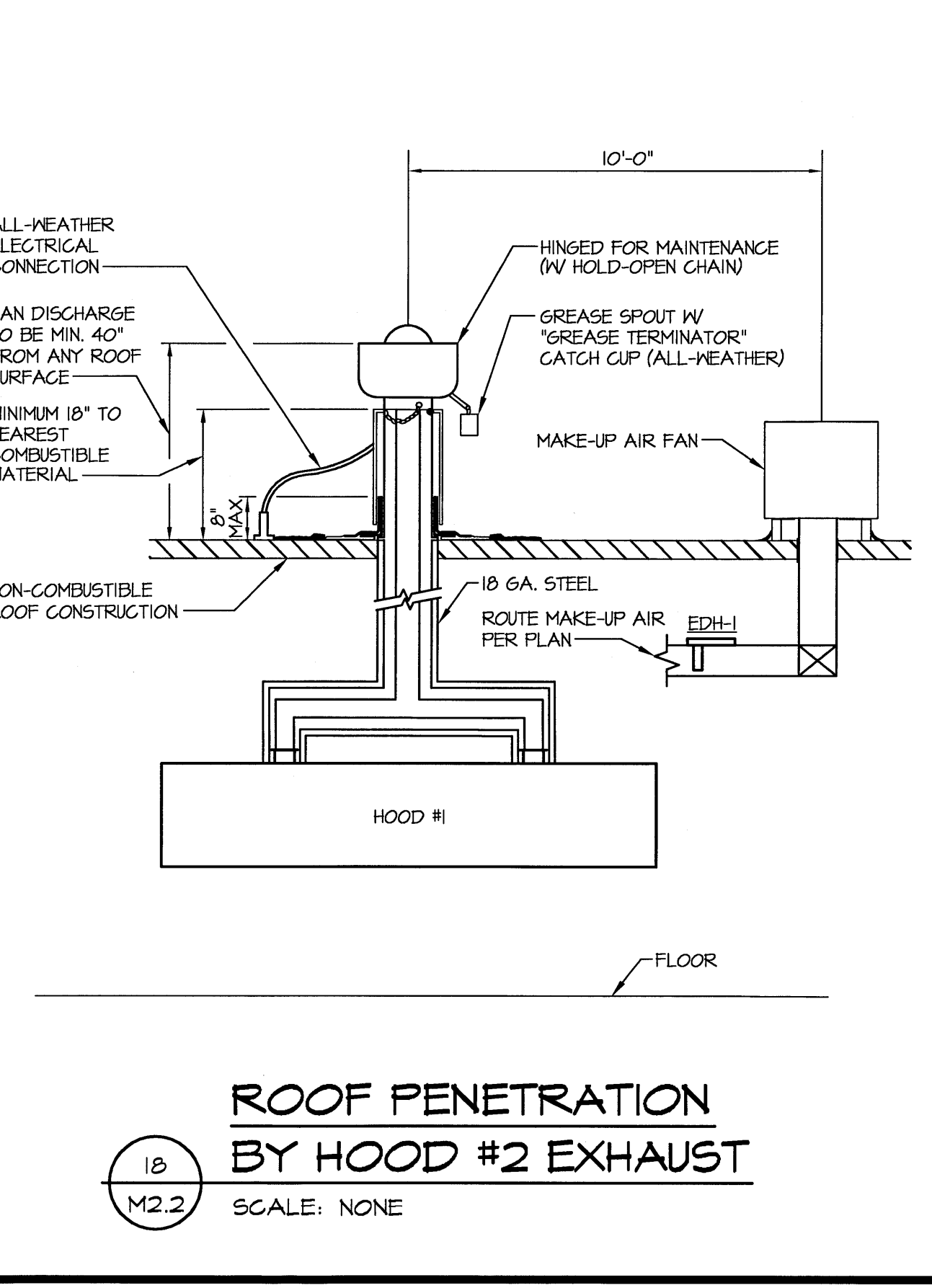
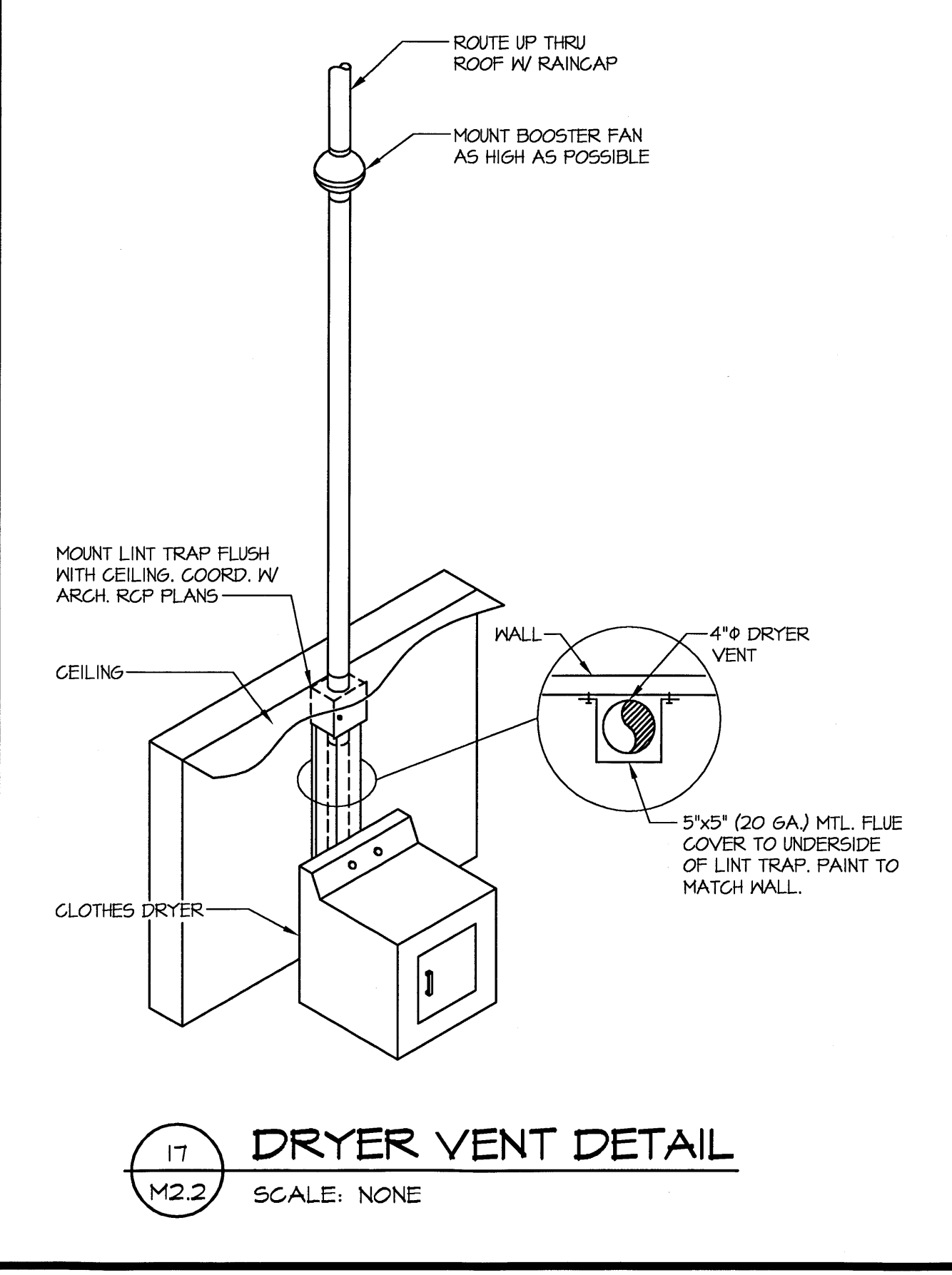
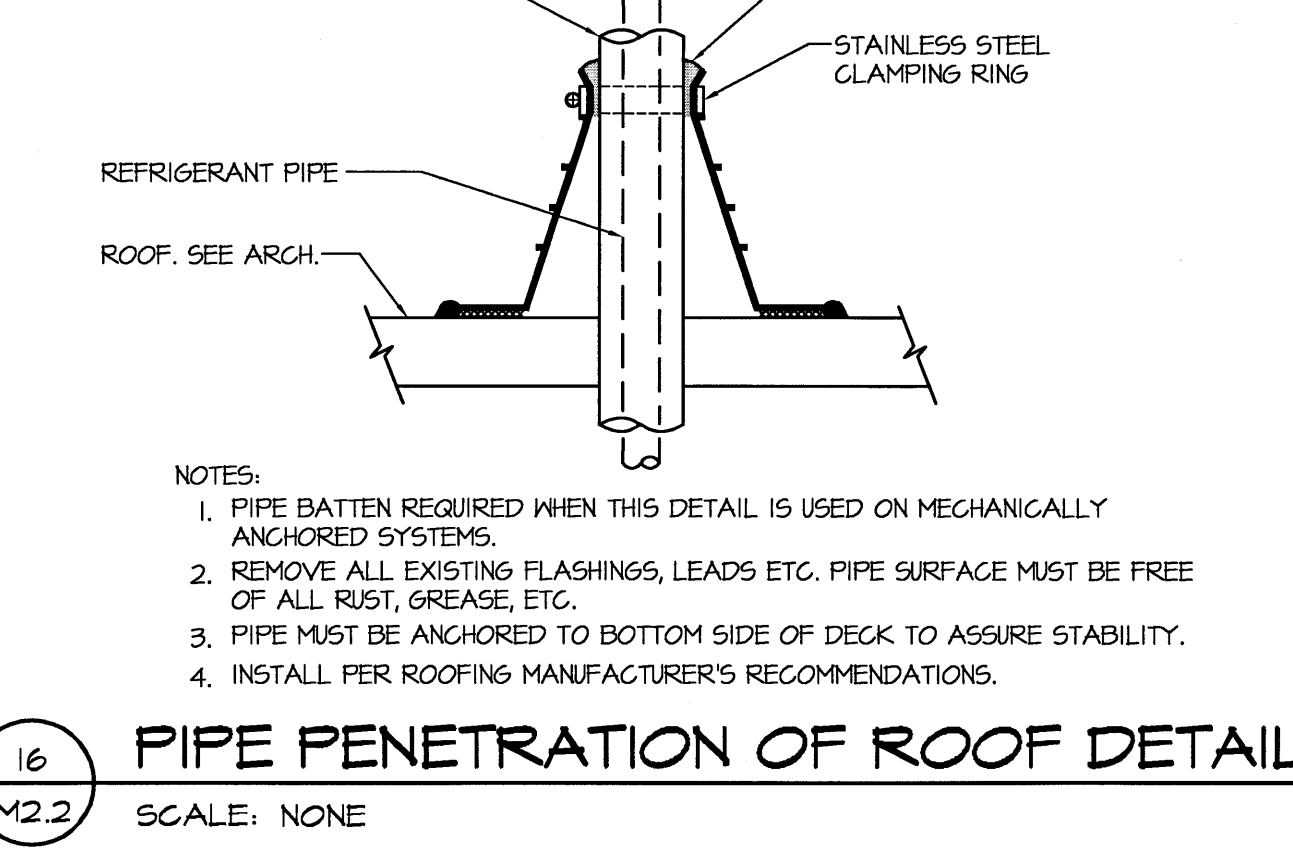
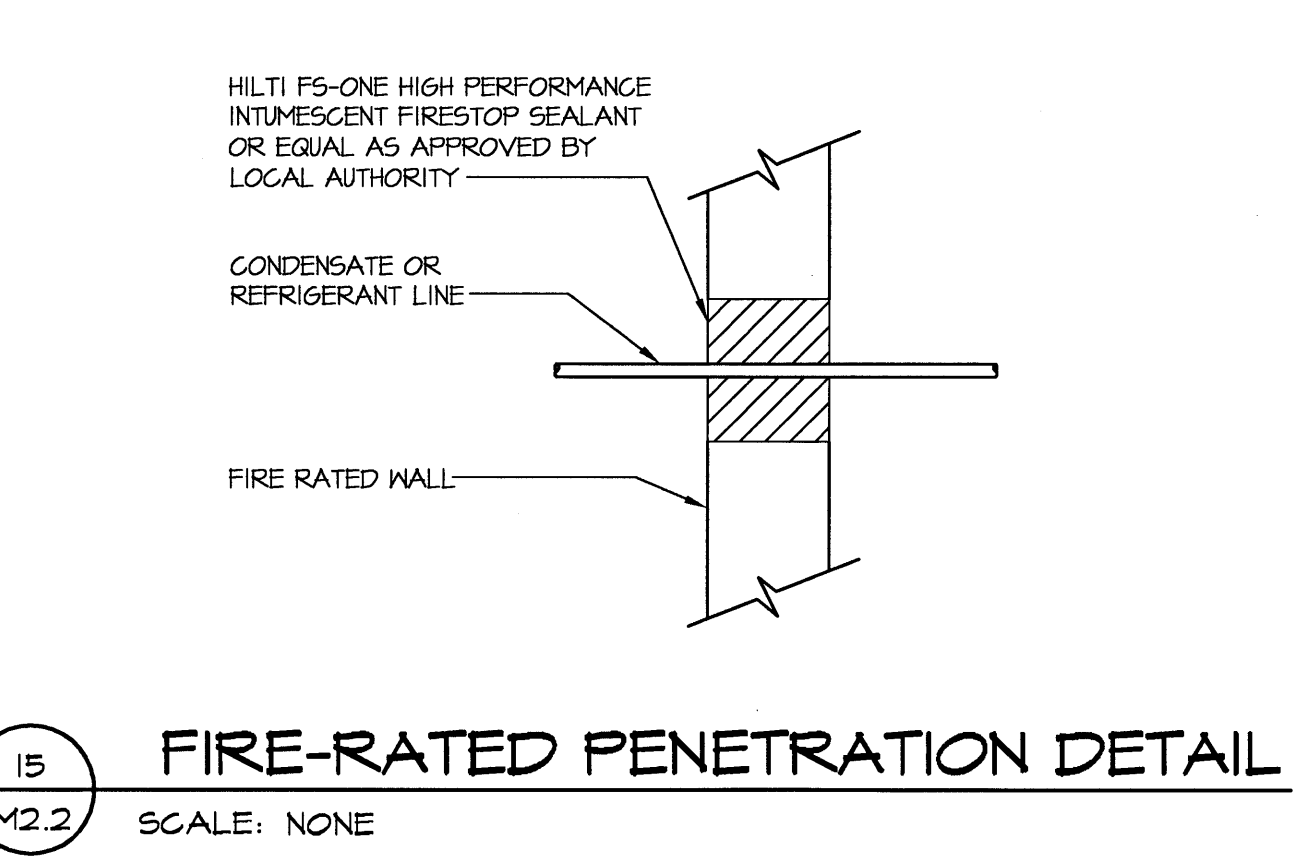
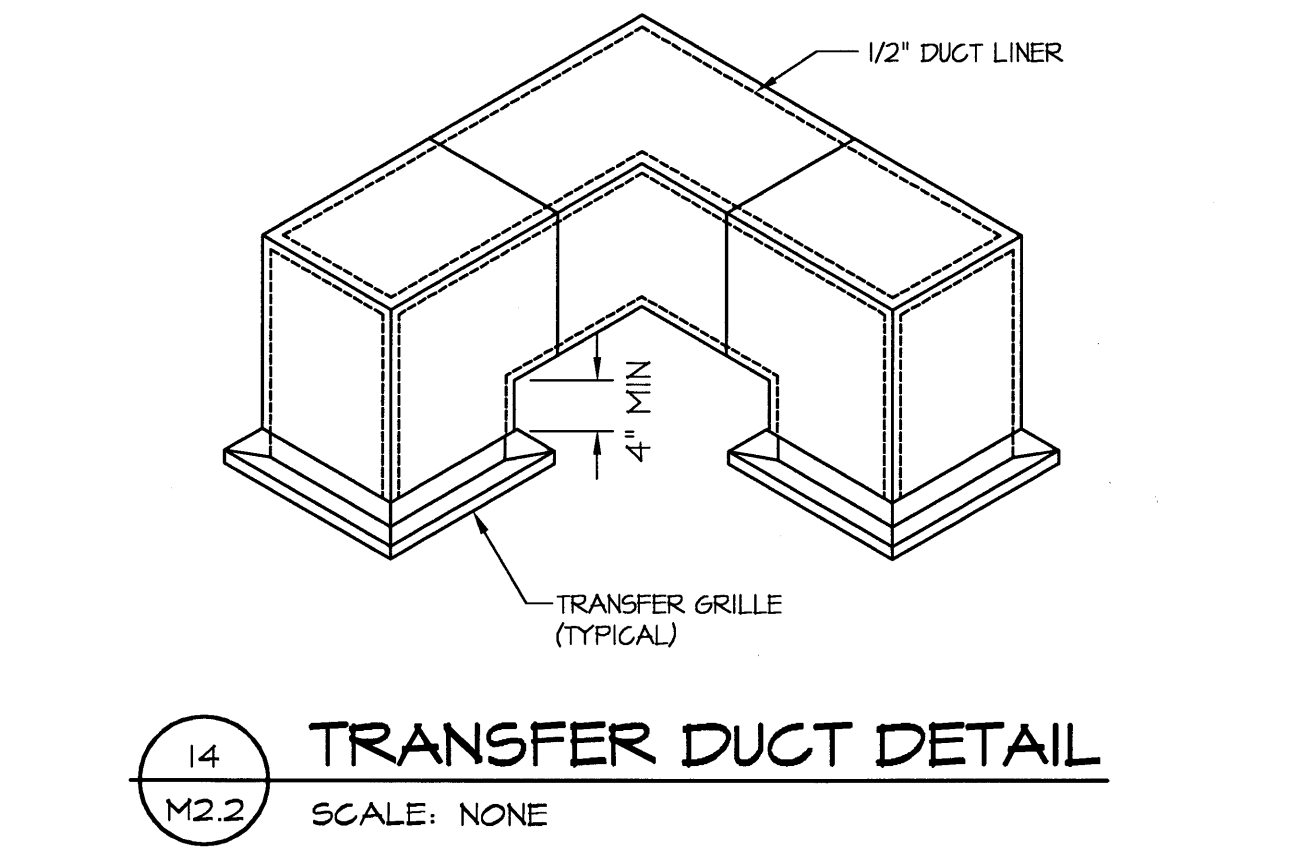
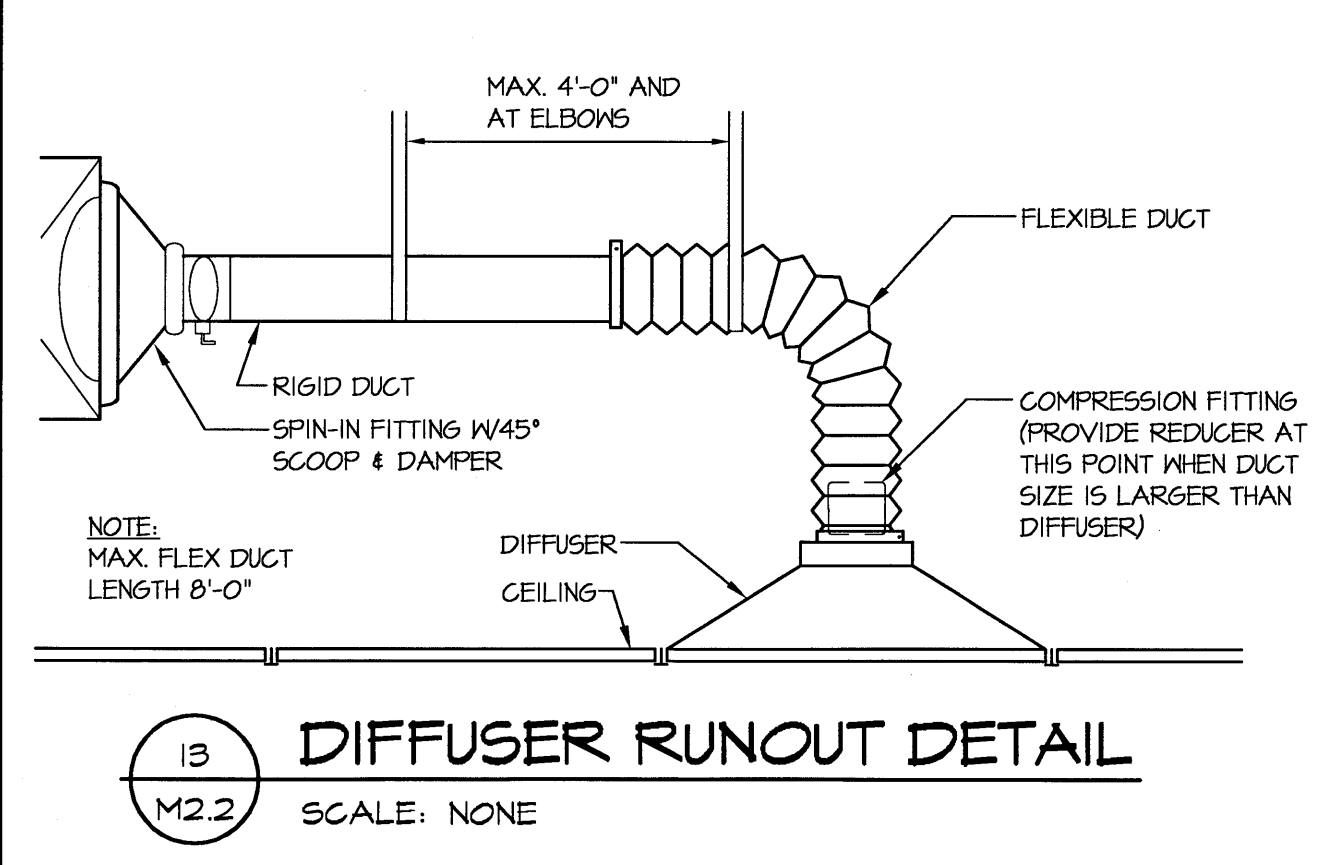
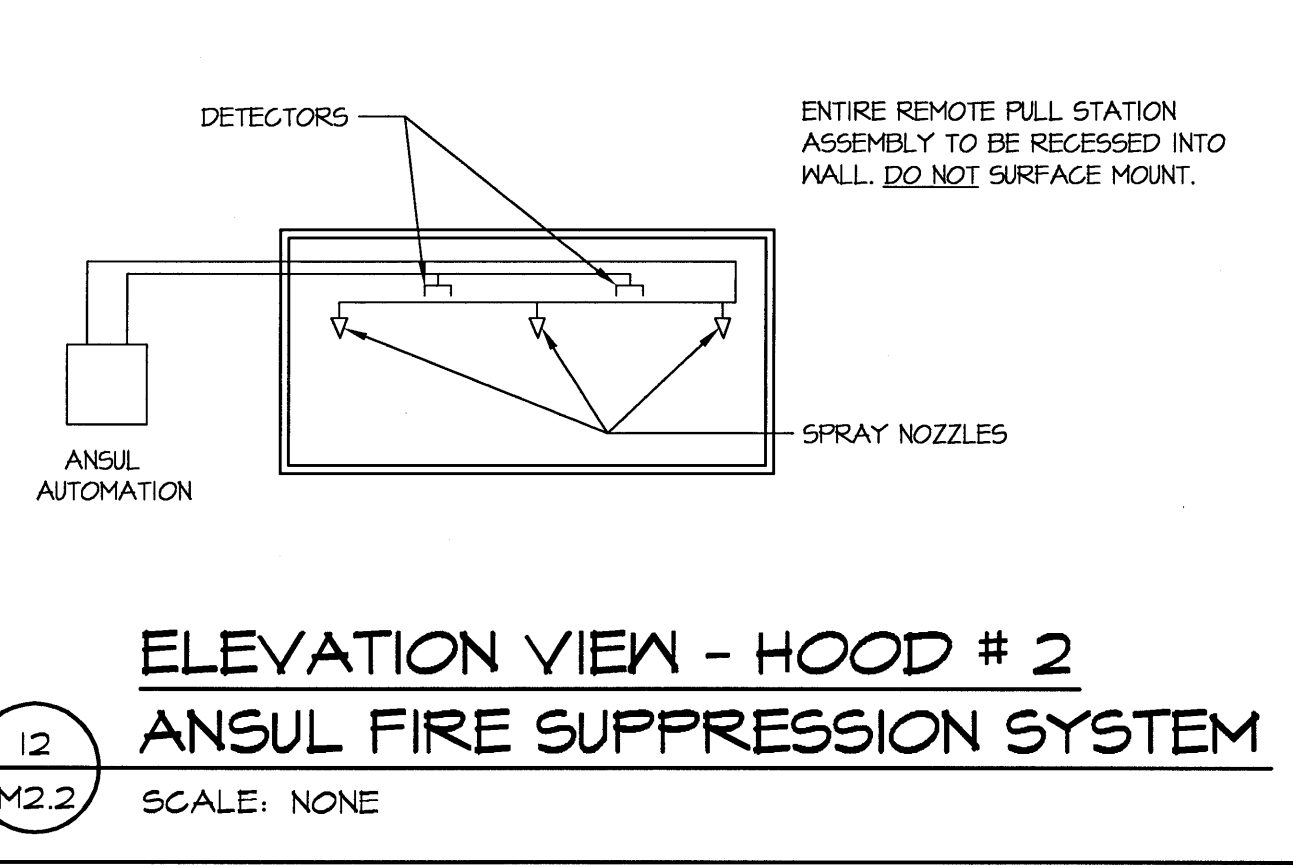
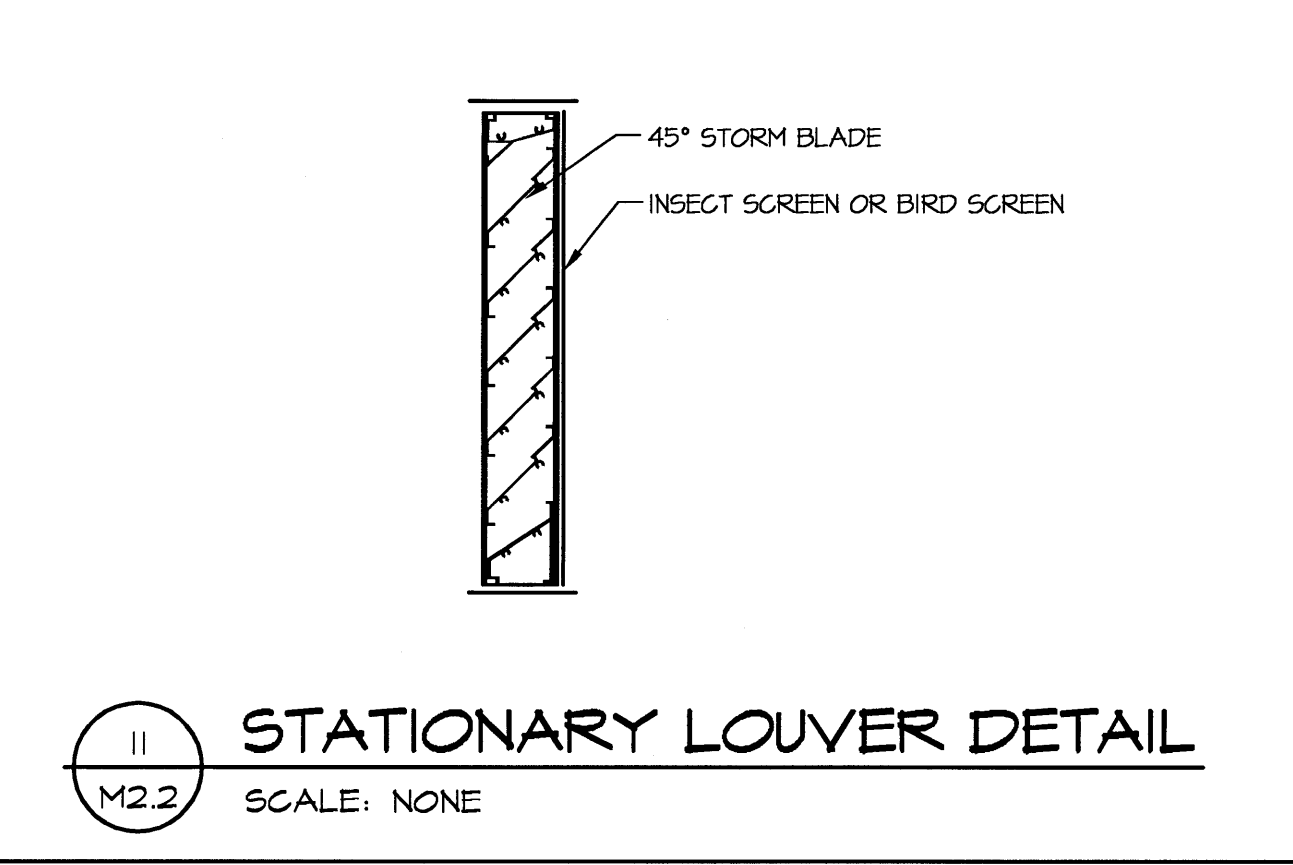
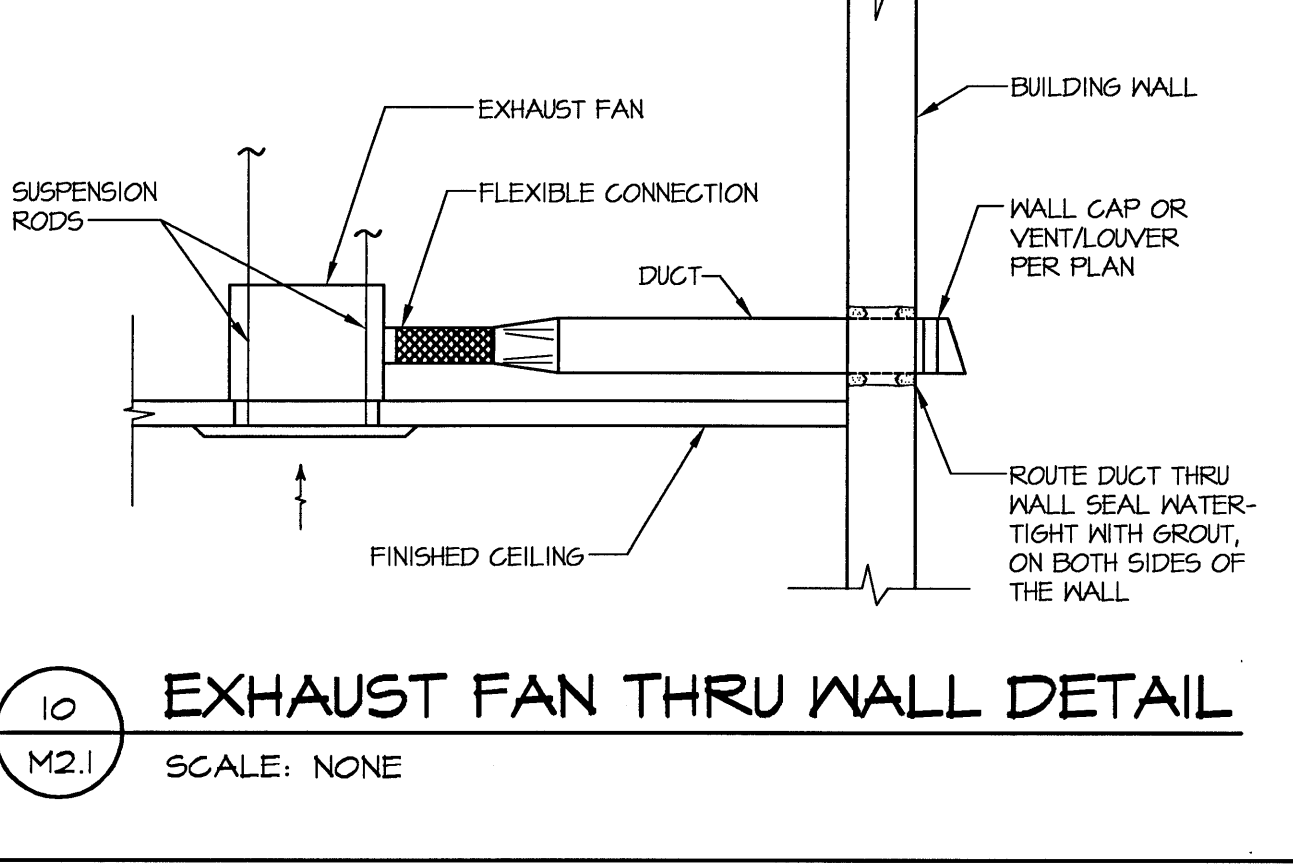
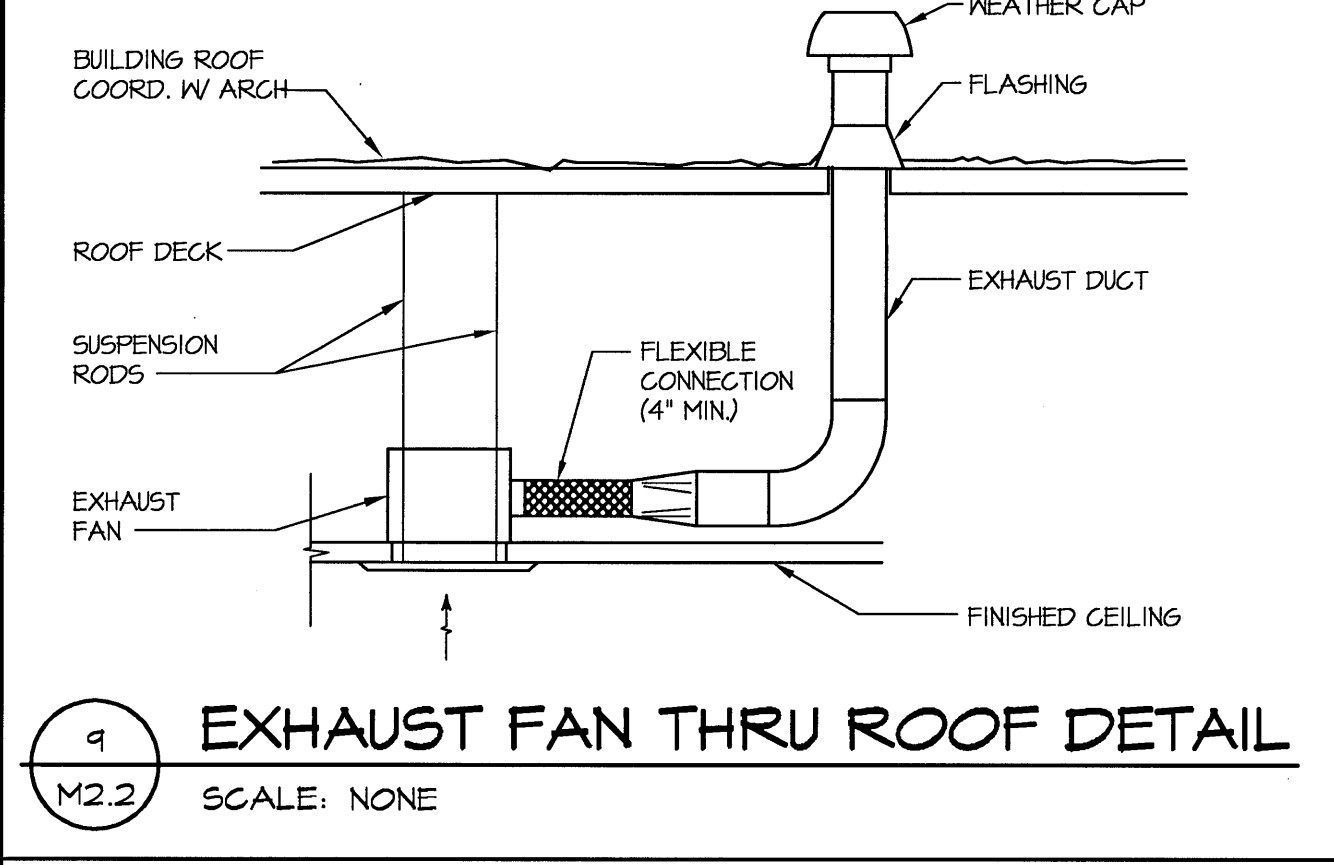
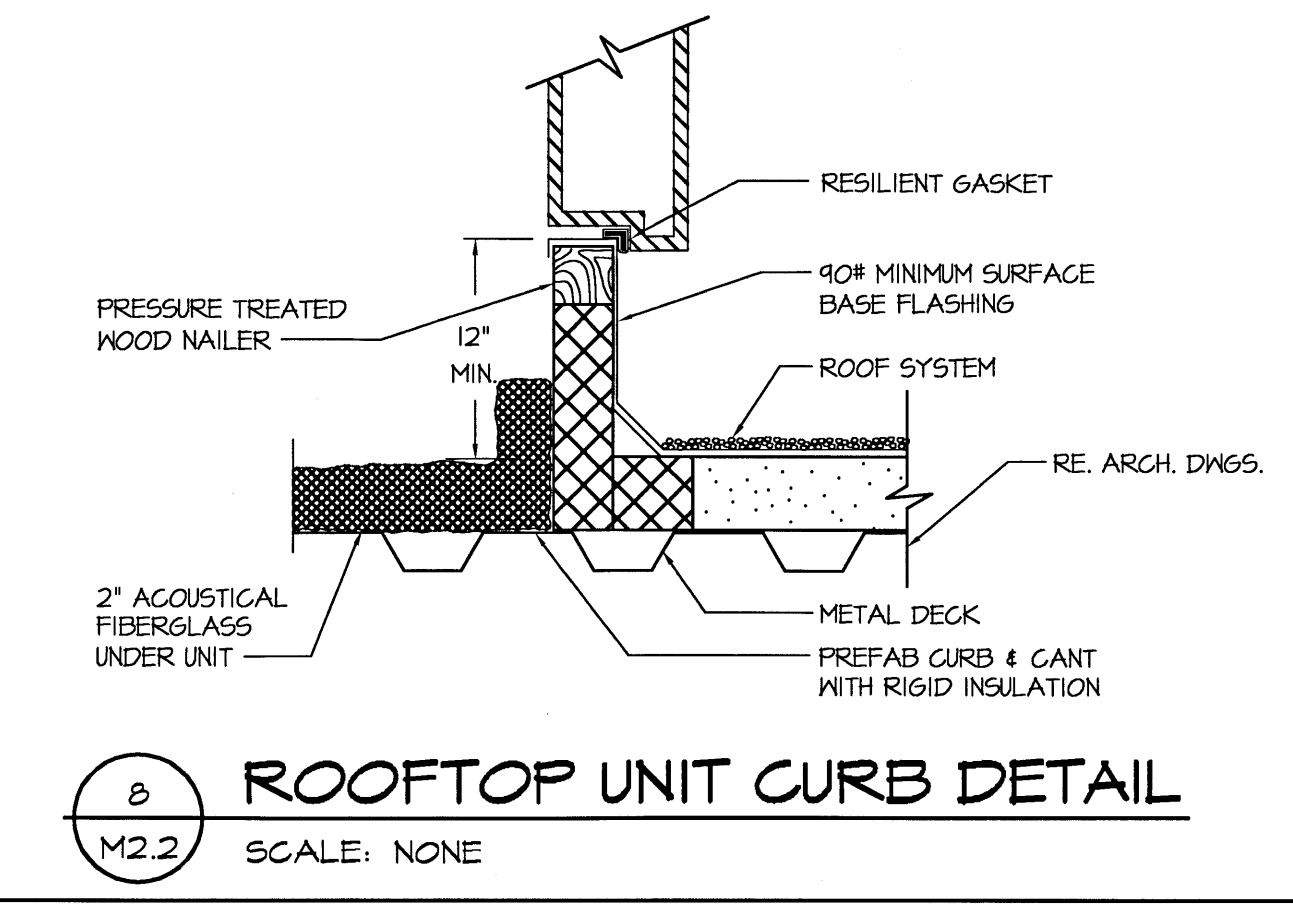
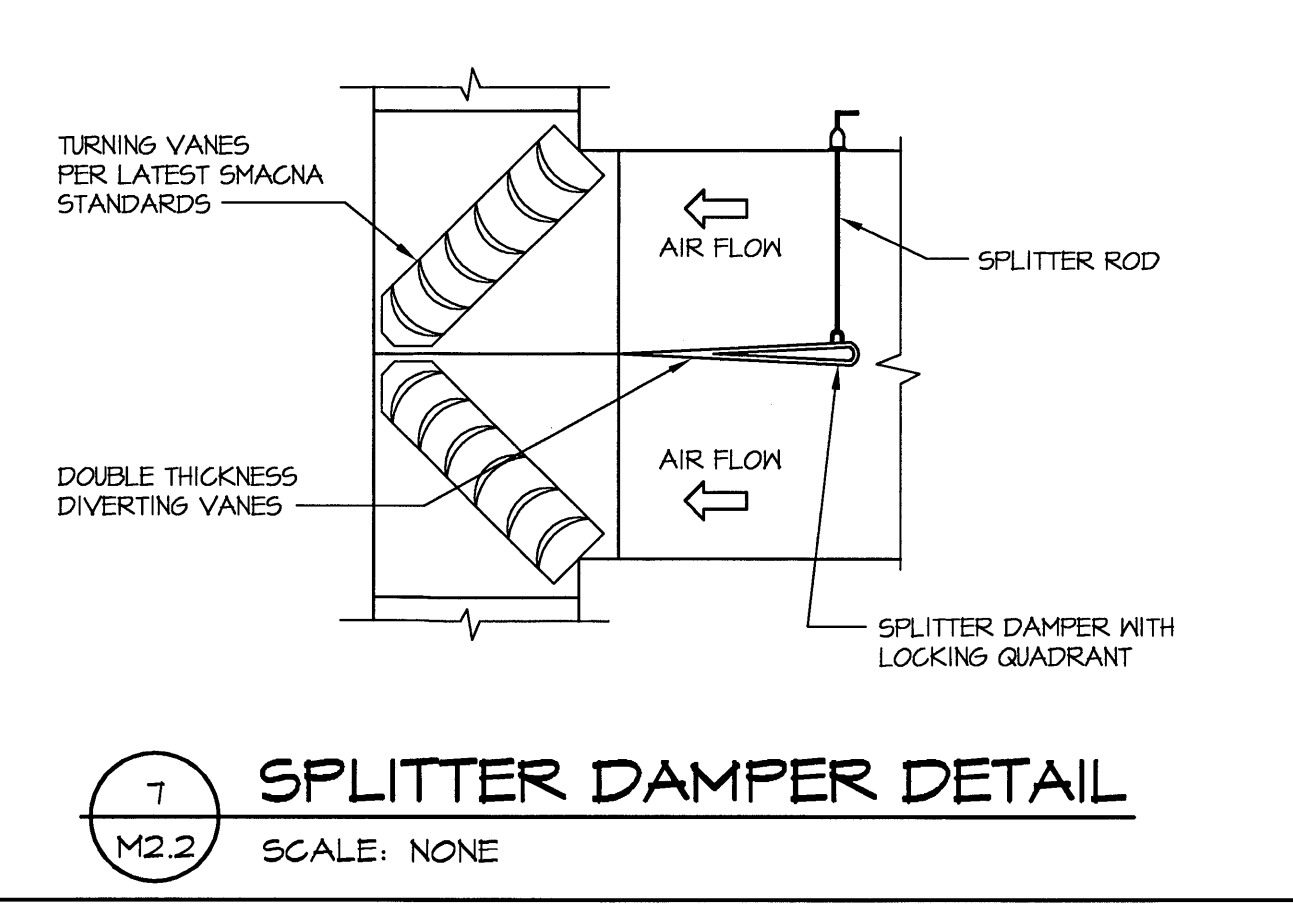
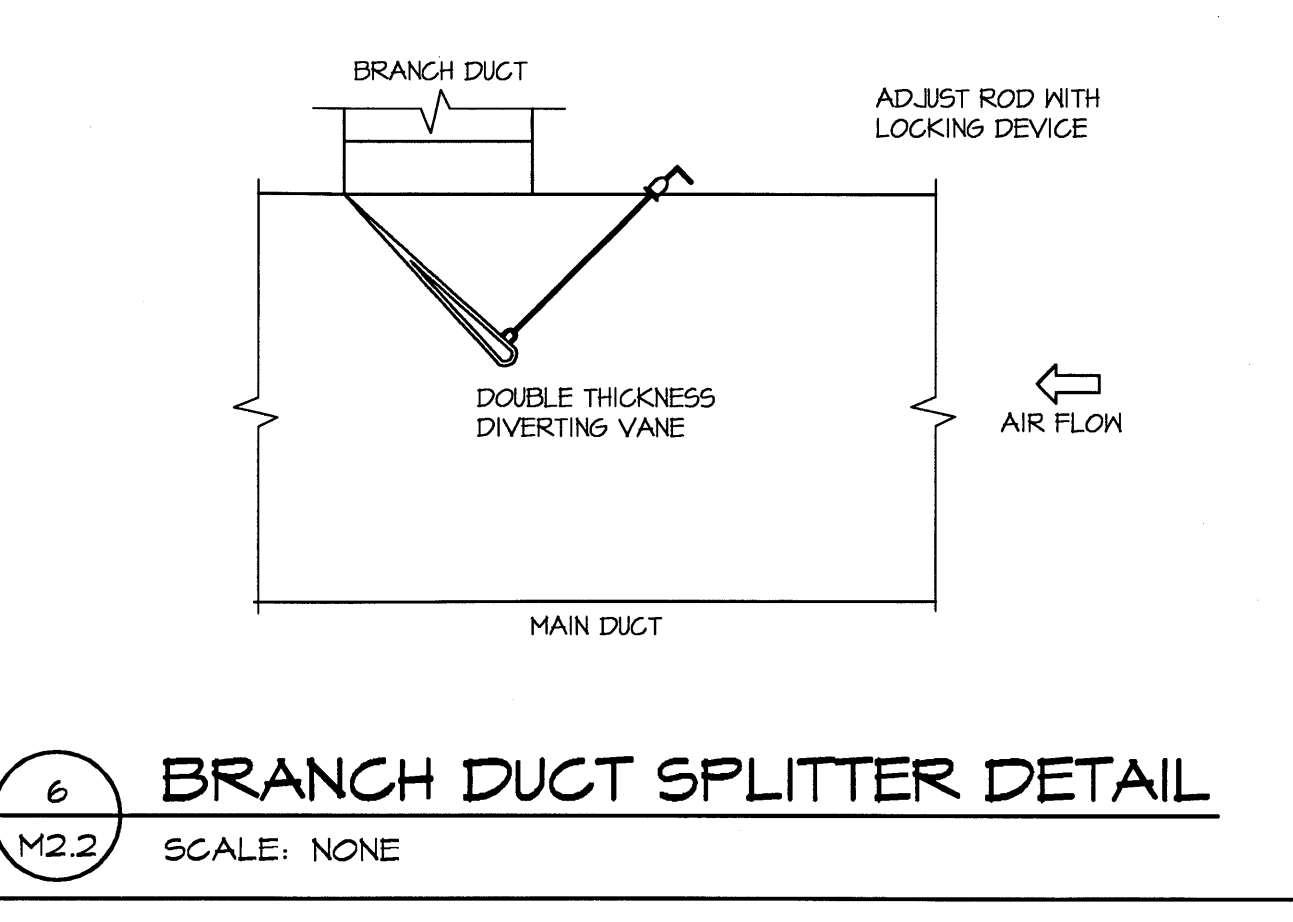
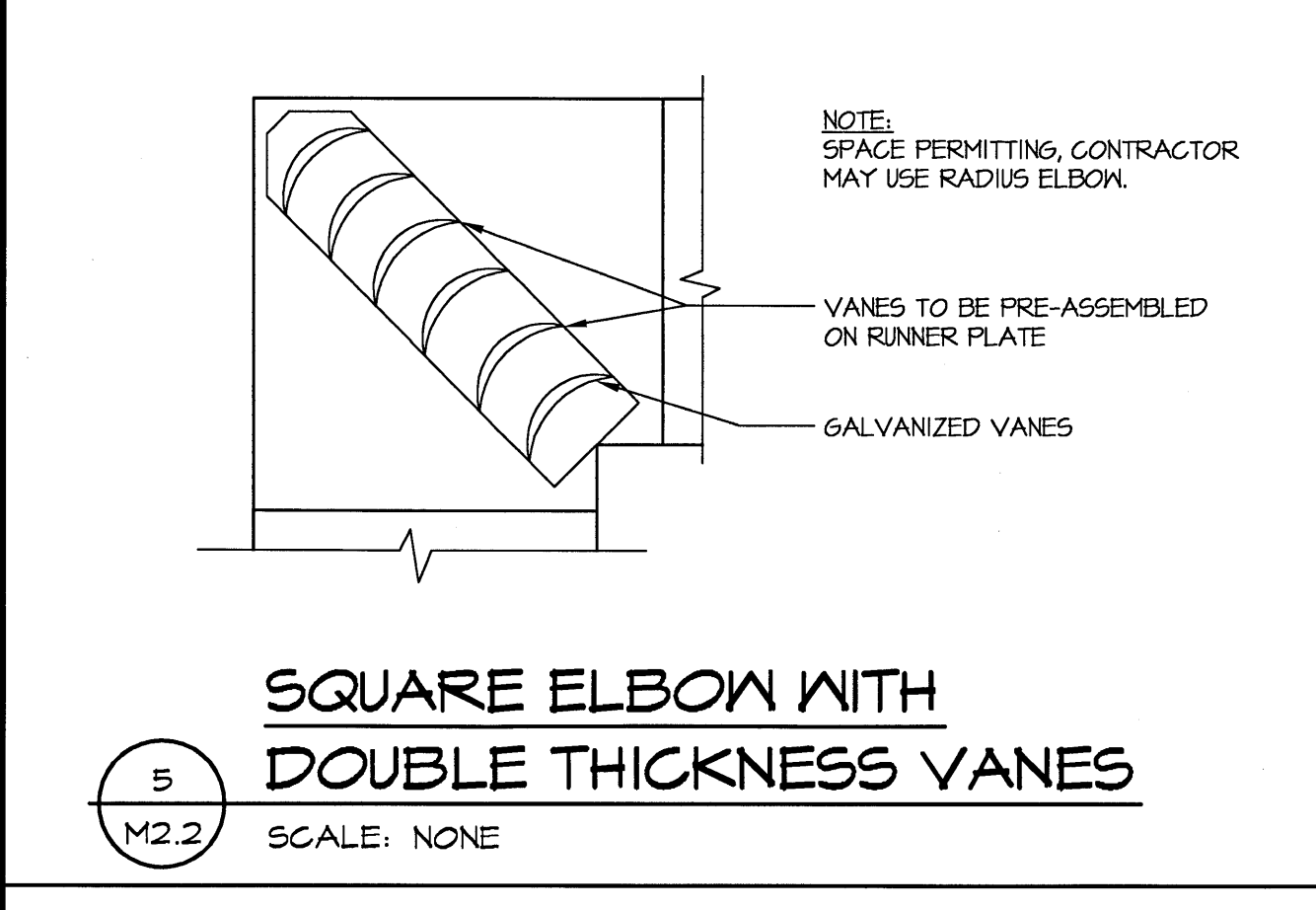
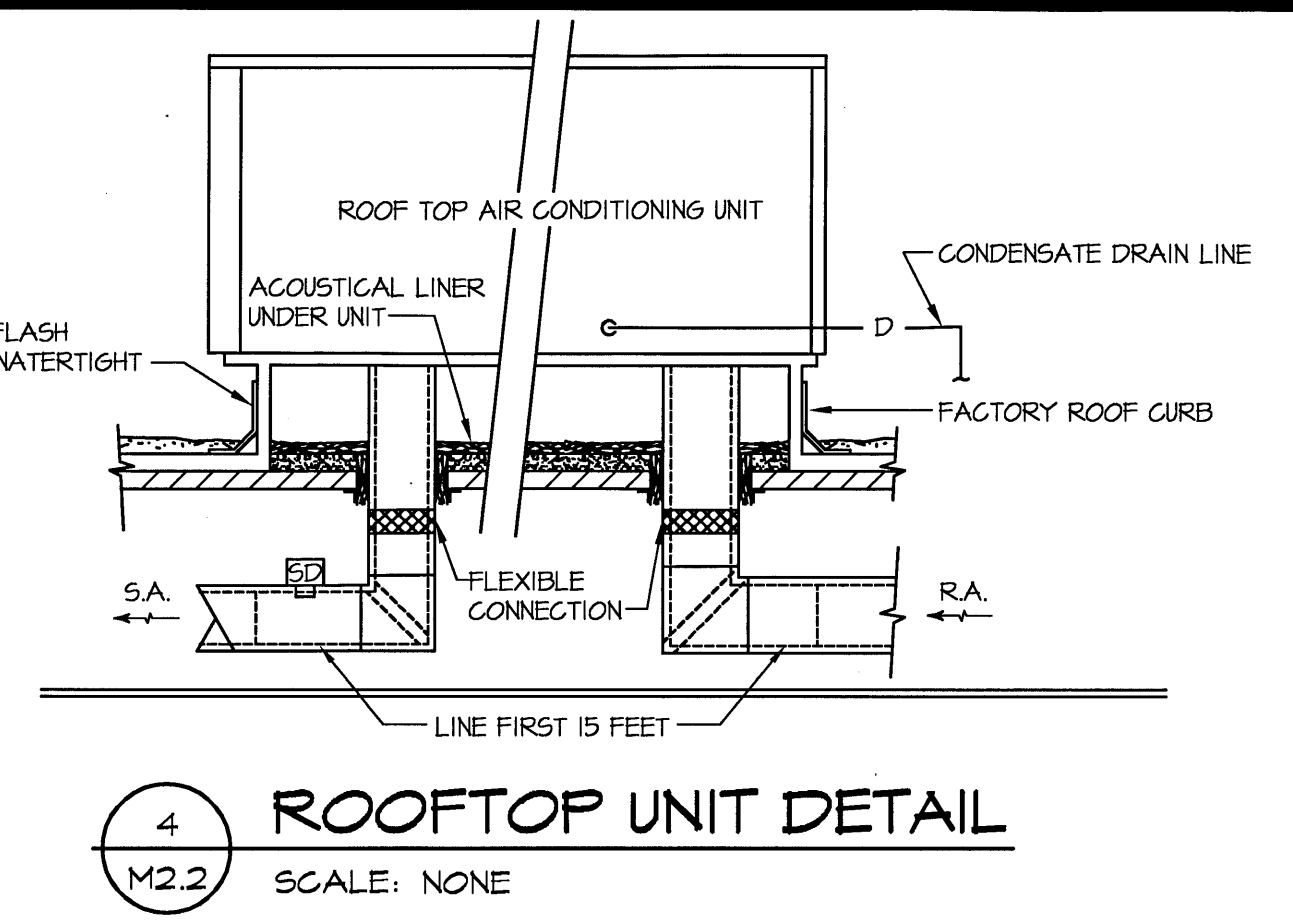
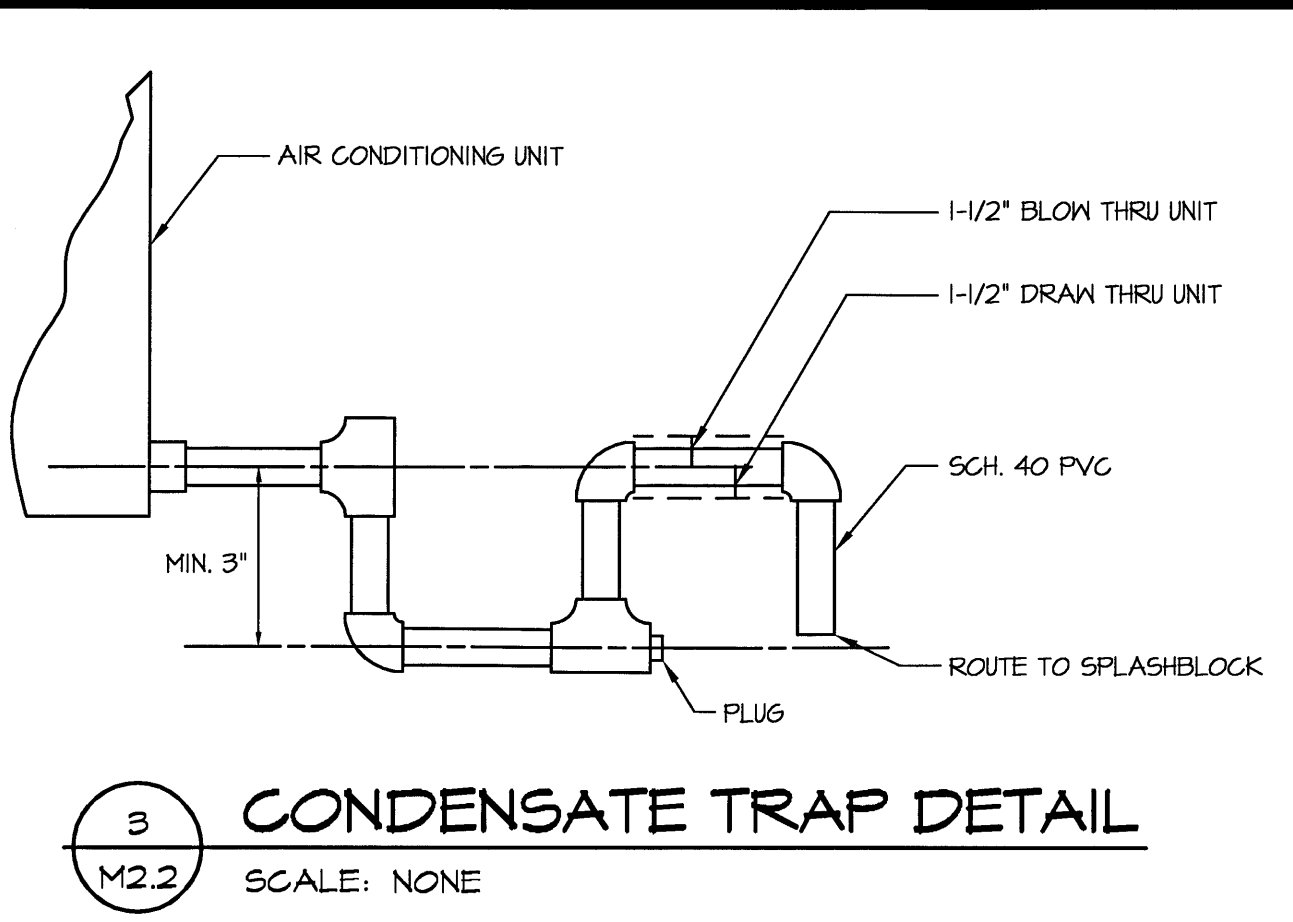
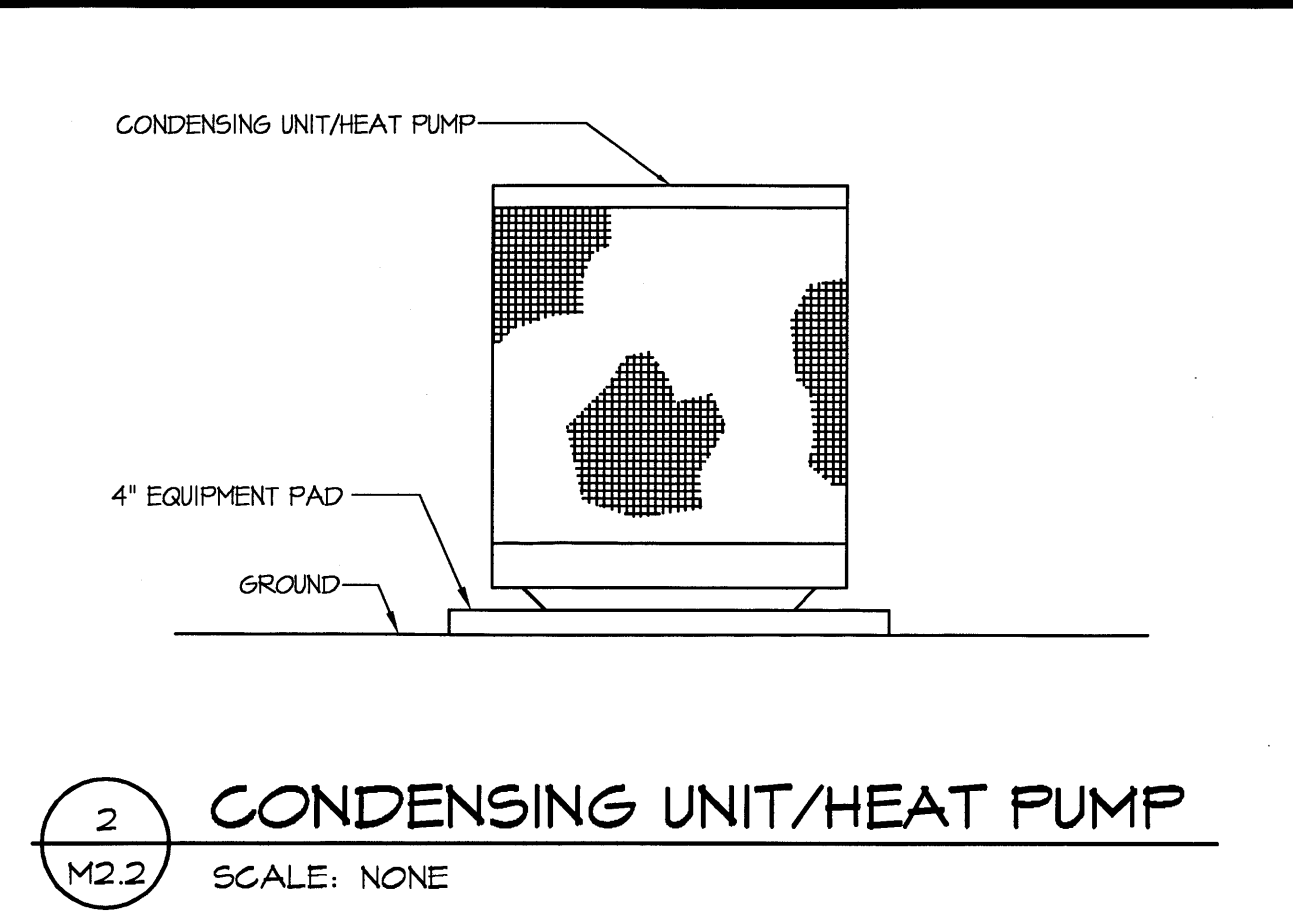
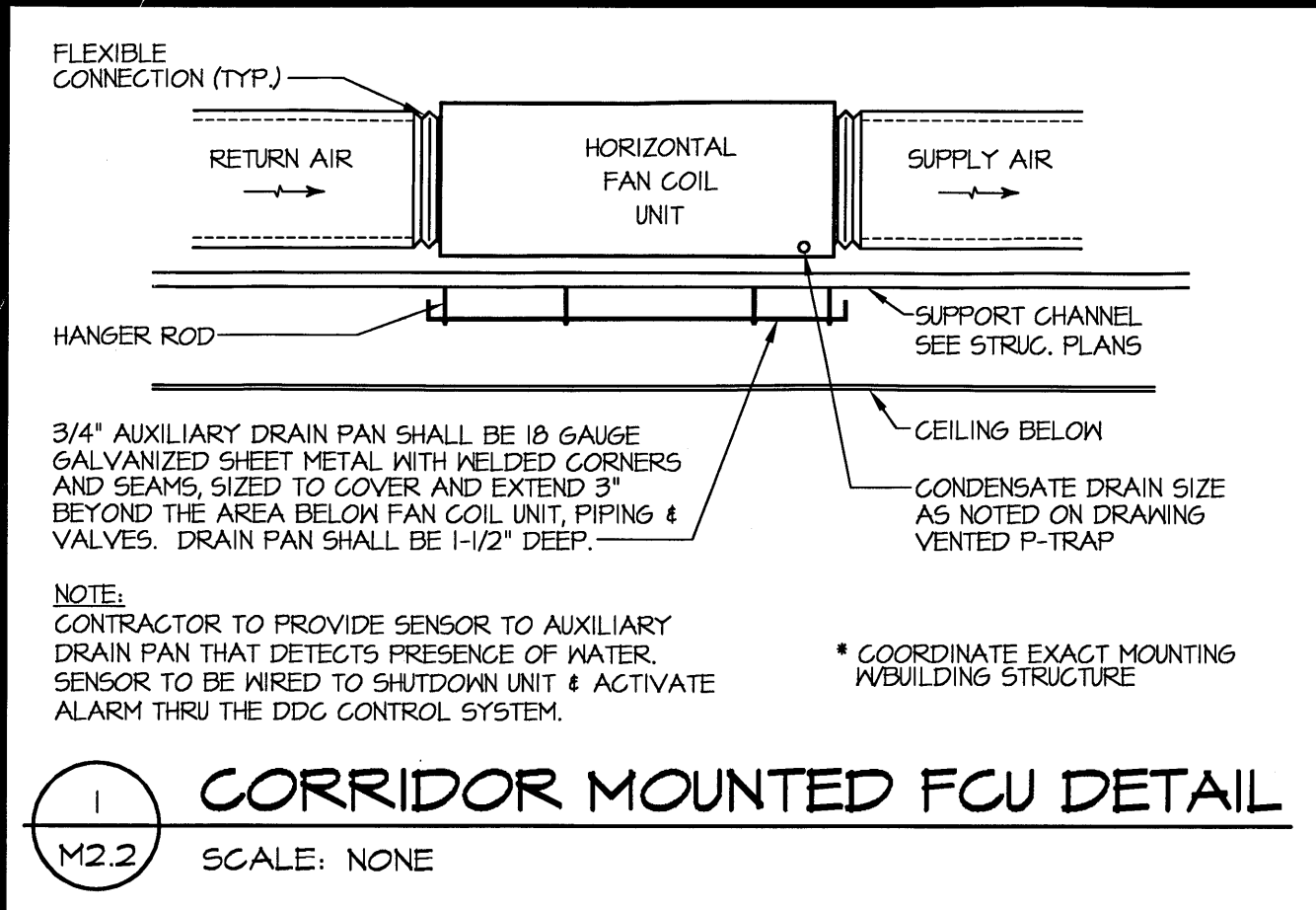




- MECHANICAL NOTES**
- ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES.
 - DUCT SIZES ARE SHOWN AS CLEAR INSIDE DIMENSIONS. PROVIDE FLEXIBLE CONNECTIONS WHERE DUCTS CONNECT TO UNIT.
 - ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS. DUCT HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH SMACNA RECOMMENDATIONS.
 - INSULATE ALL SUPPLY AND RETURN DUCT WITH SEMI RIGID BONDED FIBERGLASS HAVING A MINIMUM INSULATION VALUE OF R-6. INSTALL IN ACCORDANCE WITH SMACNA DUCT WRAP APPLICATIONS STANDARDS. INSTALL DUCT LINER IN THE FIRST TEN FEET OF RETURN AND SUPPLY DUCTS OR TO THE FIRST ELBOW. ALL DUCTWORK DIMENSIONS ARE NET INSIDE DIMENSIONS. ALL DUCTWORK ELBOWS SHALL BE INSTALLED WITH TURNING VANES.
 - OBTAINING ALL REQUIRED PERMITS AND PAYING ALL ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
 - ALL CONTROL WIRING SHALL BE RUN INSIDE WALLS OR ABOVE CEILINGS. IN UNFINISHED AREAS, ROUTE CONTROL WIRING INSIDE CONDUIT IN JOIST SPACE.
 - PROVIDE DEEP SEAL TRAP AT CONDENSATE DRAIN FROM DX COIL AT ALL ROOFTOP UNITS. ROUTE TO SPLASHBLOCK ON ROOF.
 - THE MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SHOW THE RELATIONSHIP BETWEEN EQUIPMENT AND CONNECTIONS. DO NOT SCALE THE DRAWINGS FOR EXACT SIZE OR LOCATIONS. BUILDING DIMENSIONS SHALL BE TAKEN FROM ARCH. PLANS AND EQUIPMENT DIMENSIONS SHALL BE TAKEN FROM CERTIFIED EQUIPMENT DATA.
 - SMOKE DETECTORS SHALL BE LOCATED IN THE SUPPLY AIR STREAM DOWNSTREAM OF THE AIR FILTERS AND AHEAD OF ANY BRANCH CONNECTIONS. SMOKE DETECTORS SHALL AUTOMATICALLY SHUT DOWN THE RTU WHEN HEAT WITHIN THE SYSTEM BECOMES EXCESSIVE, OR EXCEEDS 136° F.
 - RECIRCULATING AIR SYSTEMS WITH A FAN CAPACITY LESS THAN 2000 CFM BUT SERVING AN AREA FOR EGRESS SHALL HAVE A SMOKE DETECTOR AS MEANS OF AUTOMATIC SHUTDOWN LOCATED IN THE SUPPLY.
 - CONTRACTOR TO COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE ORDERING EQUIPMENT.
 - SPIN-IN TAKE-OFF TO BE MADE WITH GENFLEX MODEL SM-1 DEL OR EQUIVALENT.
 - FLEXIBLE DUCT TAKE-OFF TO BE THERMAFLEX TYPE M-KE OR EQUIVALENT.
 - LOCATION OF ALL PENETRATIONS SHALL BE COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS, WHERE POSSIBLE, ROUTE ROOF PENETRATIONS TO BACK SIDE OF ROOF.
 - UNDERCUT ALL TOILET DOORS 3/4" (BY G.C.).
 - EXACT LOCATION OF ALL CEILING DIFFUSERS TO BE COORDINATED WITH LIGHTING LAYOUT.
 - ALL FANS 1/8 H.P. AND ABOVE SHALL HAVE FUSED DISCONNECT SWITCHES MOUNTED AT THE FAN. IF APPROVED BY LOCAL AUTHORITIES, NON-FUSED DISCONNECT SWITCHES MAY BE USED. DISCONNECTS PROVIDED BY ELECTRICAL CONTRACTOR.
 - CONTRACTOR TO PROVIDE JUNCTION BOX & 1" EMPTY CONDUIT FOR EACH THERMOSTAT LOCATION PER PLANS. JUNCTION BOX LOCATION & ORIENTATION TO BE COORDINATED WITH EMS SUPPLIER. SEE 6E13, SPECIALTY OUTLET MOUNTING DETAILS ON ELECTRICAL PLANS FOR JUNCTION BOX DETAILS & CONNECTIONS. THERMOSTATS TO BE PROVIDED BY OTHERS.
 - MAXIMUM LENGTH OF FLEXIBLE DUCT IS NOT TO EXCEED 8'-0".
 - CONTRACTOR TO COORDINATE ALL CLEARANCES PRIOR TO INSTALLATION OF EQUIPMENT.

HVAC LEGEND & ABBREVIATIONS	
	SUPPLY DIFFUSER
	RETURN GRILLE
	AIR DISTRIBUTION TAG
	SUPPLY REGISTER
	CARBON DIOXIDE SENSOR
	HUMIDITY SENSOR
	REMOTE TEMPERATURE SENSOR
	THERMOSTAT
	FLEXDUCT RUNOUT
	SQUARE TO ROUND TRANSITION
	MANUAL BUTTERFLY DAMPER
	MANUAL VOLUME DAMPER
	SPLITTER DAMPER
	FIRE DAMPER
	SPIN-IN W/DAMPER
	DOUBLE THICK TURNING VANE
AHL	AIR HANDLING UNIT
COND	CONDENSATE PIPE
CU	CONDENSING UNIT
EDH	ELECTRIC DUCT HEATER
EUH	ELECTRIC UNIT HEATER
EE	ELECTRIC FAN
FCU	FAN COIL UNIT
GDH	GAS FIRED DUCT HEATER
HL	KITCHEN HOOD
HP	HEAT PUMP
L	LOUVER
O.A.	OUTSIDE AIR
RTU	ROOFTOP UNIT

ROBERTSON LOIA ROOF ARCHITECTS & ENGINEERS
3460 Preston Ridge Road • Suite 275 • Alpharetta, Georgia 30005
770-674-2600 • Fax 678-319-0745

REGISTERED PROFESSIONAL
No. 020768
EXPIRATION DATE 12/31/2018

NEW FAIREVIEW ELEMENTARY SCHOOL
HABERSHAM COUNTY
For
HABERSHAM COUNTY SCHOOLS
HABERSHAM COUNTY

REVISIONS

BID ISSUE
MARCH 9, 2007
PERMIT ISSUE
JANUARY 31, 2007

DETAILS, NOTES & LEGEND - HVAC

DATE
01-31-2007

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M2.2
OF 9