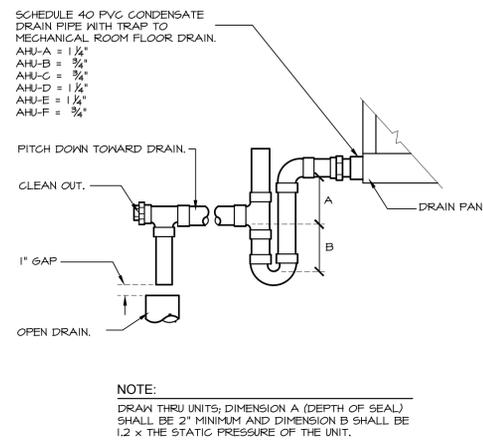
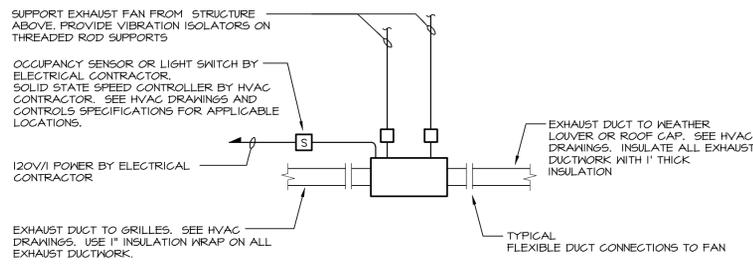
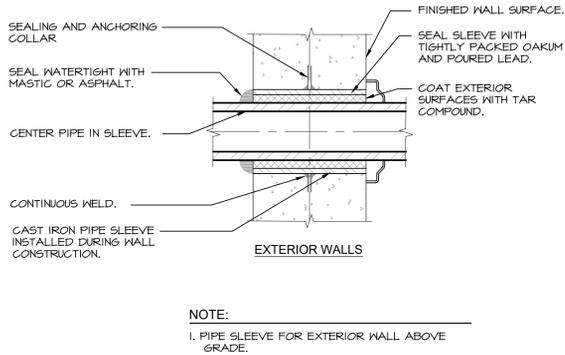


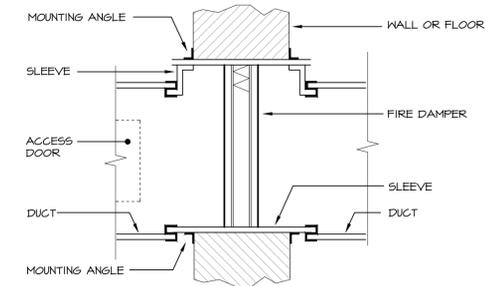
1 EXHAUST FAN SIDEWALL DETAIL
M202 NOT TO SCALE



2 CONDENSATE DRAIN DETAIL
M202 NOT TO SCALE



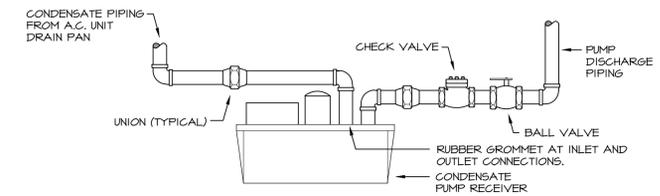
5 EXTERIOR WALL PIPE PENETRATION DETAIL
M202 NOT TO SCALE



INSTALLATION REQUIREMENTS

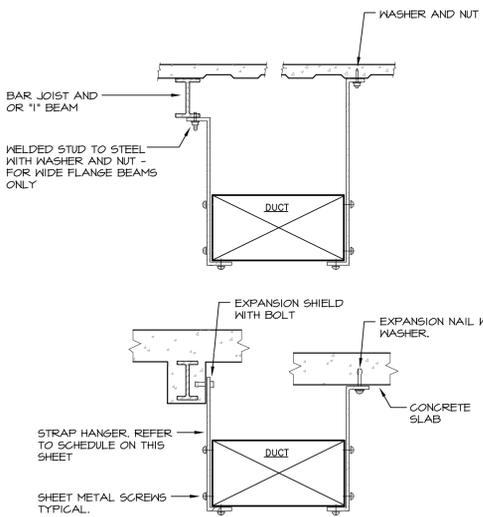
1. REQUIREMENTS FOR AN APPROVED INSTALLATION INCLUDE THE FOLLOWING: OPENINGS IN THE FLOOR OR WALL SHALL BE 1/8" PER FOOT LARGER THAN DAMPER DIMENSIONS (3/8" LARGER PER FOOT FOR STAINLESS). MINIMUM CLEARANCE OF 1/4" REQUIRED FOR ANY INSTALLATION.
2. SLEEVE GAGE SHALL BE AT LEAST EQUAL TO THE GAGE OF THE DUCT AS DEFINED BY THE APPROPRIATE SMACNA DUCT CONSTRUCTION STANDARD, AS DESCRIBED IN NFPA90A. WHEN ONE OR MORE OF THE FOLLOWING DUCT CONNECTIONS ARE USED, PLAIN S SLIP, HEMMED S SLIP, STANDING S SLIP, REINFORCED STANDING S SLIP, INSIDE SLIP JOINT OR DOUBLE S SLIP.
3. IF ANY OTHER DUCT SLEEVE CONNECTIONS ARE USED, THE SLEEVE SHALL BE MINIMUM 16 GAGE FOR DAMPERS UP TO 36" (W) x 24" (H) AND 14 GAGE IF WIDTH EXCEEDS 36" OR HEIGHT EXCEEDS 24".
4. MOUNTING ANGLES SHALL BE MINIMUM OF 1/2" x 1/2" x 1/4" GAGE AND BOLTED. TACK WELDED OR SCREWED TO SLEEVE AT MAXIMUM SPACING OF 12" AND WITH MINIMUM OF TWO CONNECTIONS IN EACH SIDE, TOP AND BOTTOM. MOUNTING ANGLES SHALL OVERLAP WALL A MINIMUM OF ONE INCH ON ALL FOUR SIDES.
5. DAMPER SHALL BE BOLTED, TACK WELDED, OR SCREWED TO SLEEVE ON SAME SPACING AS ANGLES. SLEEVES SHALL NOT EXTEND MORE THAN 6" OUTSIDE OF WALL.
6. IF GAP BETWEEN DUCT/SLEEVE AND CONSTRUCTION IS 1" OR LESS, PACK SPACE WITH FIREPROOF FIBROUS MATERIAL AND SEAL BOTH SIDES WITH NON-HARDENING FIREPROOF SEALER. IF GAP EXCEEDS 1", WRAP DUCT WITH 1" THICK FIREPROOF FIBROUS MATERIAL AND FILL REMAINING SPACE WITH GROUT.

3 FIRE DAMPER DETAIL
M202 NOT TO SCALE



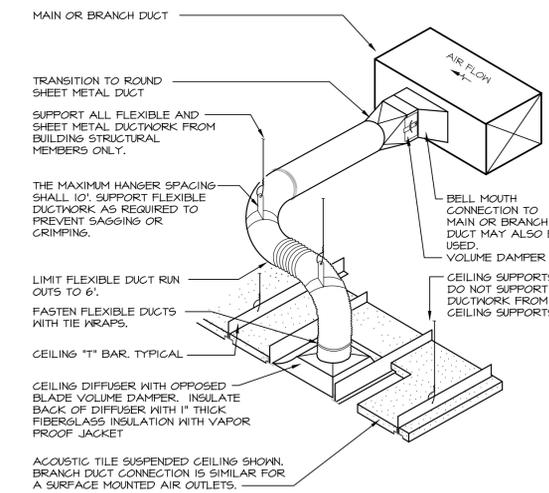
6 CONDENSATE PUMP PIPING SCHEMATIC
M202 NOT TO SCALE

4 INLINE EXHAUST FAN DETAIL
M202 NOT TO SCALE

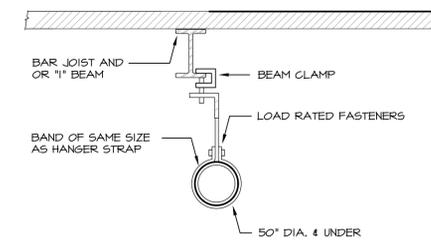


- NOTES:
- 1) FOR DUCTS OVER 48" WIDE, THE STRAP HANGER SHALL BE TURNED UNDER THE BOTTOM OF THE DUCT.

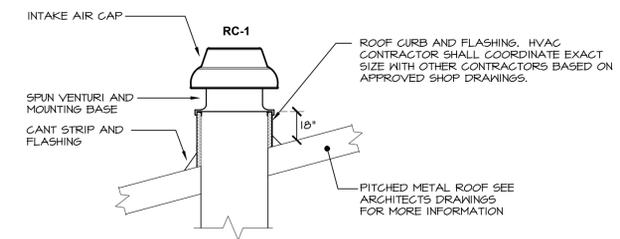
7 DUCT HANGER DETAIL
M202 NOT TO SCALE



8 FLEXIBLE DUCT CONNECTION DETAIL
M202 NOT TO SCALE



9 CONCEALED ROUND DUCT HANGER DETAIL
M202 NOT TO SCALE



10 ROOF MOUNTED INTAKE AIR CAP DETAIL
M202 NOT TO SCALE

MA

MITCHELL ASSOCIATES ARCHITECTS

29 THACHER PARK ROAD
VOORHEESVILLE, NY 12186
(518) 765-4571 FAX (518) 765-2150
WWW.MITCHELL-ARCHITECTS.COM

EMERGENCY SERVICE

FACILITIES

CONSULTANTS:
INSITE ENGINEERING SURVEYING & LANDSCAPE ARCHITECTURE, P.C.
3 GARRET PLACE
CARMEL, NY 10512
(845) 225-9640 FAX: (845) 225-4717

CRAIG A. MALONEY P.E.
STRUCTURAL ENGINEERING CONSULTANT
3 BENEDICT COURT
BALLSTON SPA, NY 12020
(518) 584-4844 FAX: (518) 584-4855

GERARD ASSOCIATES CONSULTING ENGINEERS, P.C.
MECHANICAL, PLUMBING AND ELECTRICAL
223 MAIN STREET
GOSHEN, NY 10924
(845) 241-0272 (845) 241-0211

COPYRIGHT 2012
MITCHELL ASSOCIATES ARCHITECTS
UNAUTHORIZED ALTERATION OR ADDITION
TO THIS DOCUMENT IS A VIOLATION OF LAW

NEW STATION FOR PUTNAM VALLEY FIRE STATION #1

OSCAWANA LAKE ROAD
PUTNAM VALLEY, NEW YORK

REVISION HISTORY	
DATE	DESCRIPTION

MECHANICAL: DETAILS

SCALE: AS NOTED
DWS, BY: KC
DWS, DATE: 8/14/2020
STATUS: BID DRAWINGS

M202