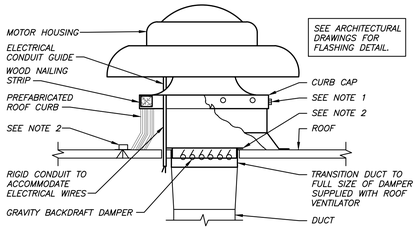
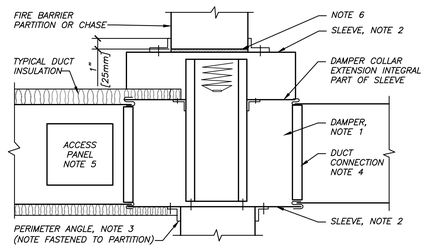


NOTE:

1. SECURE CURB CAP TO WOOD NAILING STRIP WITH 3/8" [10mm] CADMIUM PLATED LAG BOLTS NOT OVER 12" [300mm] ON CENTER.
2. SECURE ROOF CURB, DUCTWORK AND DAMPER TO ROOF. SEE ARCHITECTURAL DRAWINGS.
3. RUN ELECTRICAL LINES THROUGH CLEARANCE HOLE PROVIDED IN GRAVITY DAMPER, THEN THROUGH VENTILATOR ELECTRICAL CONDUIT GUIDE.

2 / M0.2 POWER ROOF VENTILATOR

SCALE: NONE

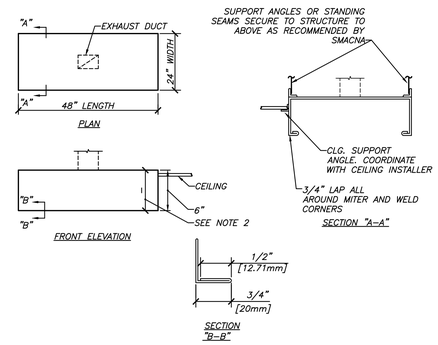


NOTE:

1. A VERTICAL DAMPER IS SHOWN. HORIZONTAL DAMPER INSTALLATION, IS SIMILAR. FOLLOW DAMPER MANUFACTURER'S INSTRUCTIONS, INCLUDING FASTENER OPTIONS AND GAGES FOR SLEEVE AND PERIMETER ANGLES. FIRE DAMPERS MUST BE INSTALLED IN THE PARTITION OR FLOOR AND NOT OUTSIDE THE PENETRATION.
2. GALVANIZED SLEEVE: GAGE NOT LESS THAN CONNECTING DUCT. FASTEN SLEEVE TO DAMPER FRAME AND TO PERIMETER ANGLES.
3. PERIMETER ANGELS: GALVANIZED STEEL, NOT LESS THAN 1 1/2"x1 1/2" [40x40mm], 14 GAGE, TO PROVIDE 1" [25mm] MINIMUM OVERLAP OF OPENING ON ALL 4 SIDES.
4. BREAKAWAY DUCT CONNECTION: CONTRACTOR'S OPTION OF TYPES SHOWN IN SMACNA. ACCESS PANELS: SIZE AND LOCATION TO PERMIT SERVICING THE FUSIBLE LINK OR LINKS.
5. PROVIDE 1/4" TO 1/2" [6 TO 15mm] CLEARANCE ON HEIGHT AND WIDTH. FILL OPEN SPACE WITH ROCK WOOL FIRESTOP FIBER.
6. ALL DUCT WORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THRU ATTIC FLOORS AND MECHANICAL ROOM FLOORS, SHALL BE PROVIDED WITH 3" [75mm] HIGH CONCRETE CURB AROUND OPENING FOR DUCT.
7. PROVIDE DYNAMIC RATED DAMPERS FOR EXHAUST DUCTS AND OTHER DUCTS THAT CONTINUE TO RUN DURING FIRE ALARM.

3 / M0.2 SECTION THRU FIRE DAMPER INSTALLATION

SCALE: NONE



NOTES:
1. HOOD SHALL BE 26GA STAINLESS STEEL. ADJUST LENGTH AND WIDTH TO FIT THROUGH CEILING GRID WALL ANGLES FRAMED AROUND HOOD.
2. COORDINATE WITH BENCH AND BACK SHELF HEIGHT BEFORE FABRICATING.
3. SECURE TO WALL OR PARTITION WITH EXPANSION BOLTS. SEAL HOOD AT WALL AND AT CEILING WITH NEOPRENE GASKET.

4 / M0.2 ARMORY HOOD DETAIL

SCALE: NONE

FAN SCHEDULE

TAG	LOCATION	SERVICE	CFM	SP	WHEEL	MAX RPM	SONES	BHP	ELECTRICAL VOLTS	ELECTRICAL RPM	ELECTRICAL HP/W	UNIT TYPE	MAKE & MODEL	REMARKS
EF-1	LOW ROOF	RESTROOM, LOCKER RMS	250	0.5"	–	1580	7.5	0.06	115	1580	1/6	ROOF EXHAUST FAN	GREENHECK G-80-VG	RUN CONTINUOUS
EF-2	LOW ROOF	ARMORY HOOD	300	0.5"	–	1663	8.2	0.07	115	1663	1/6	ROOF EXHAUST FAN	GREENHECK G-80-VG	PILOT SWITCH

UNLESS NOTED OTHERWISE PROVIDE ALL ROOF FANS WITH FACTORY ACCESSORIES INCLUDING INSULATED ROOF CURB WITH SOLID LINER, ALUMINUM BACKDRAFT DAMPER, ISOLATORS, GREASED BEARINGS WITH EXTENDED LUBE LINES, DAMPER TRAY AND CONDUIT CHASE IN CURB. FACTORY DISCONNECT. ALL FANS SHALL BE UL LISTED. ALL MOTORS 1/2 HP AND ABOVE SHALL BE HIGH EFFICIENCY. PROVIDE HINGED CURBS WITH LOCKING HASPS AND TIE DOWN POINTS. PROVIDE CEILING FANS WITH DETACHABLE MOTOR CORDS, PAINTED ALUMINUM GRILLES AND FACTORY WALL CAPS.

EF-1 SHALL RUN CONTINUOUS DIRECT FROM BREAKER. EF-2 SHALL HAVE A FACTORY WALL SWITCH WITH PILOT LIGHT. MOUNT SPEED CONTROL ABOVE CEILING.

OBTAIN TAG NOMENCLATURE FROM VA AND UPDATE AS-BUILT DRAWINGS. PROVIDE FAN STATUS TO DDC FOR EF-1; PROGRAM ALARM POINT AND TEST FOR PROPER OPERATION.

FAN COIL UNIT SCHEDULE

TAG	LOCATION	CFM	ESP	MAX MOTOR HP	COOLING COIL MBH SM/TH	COOLING COIL EAT DB/WB	COOLING COIL GPM	COOLING COIL EWT	COOLING COIL LWT	COOLING COIL WPD (FT OF H_2O)	HEATING COIL MBH	HEATING COIL GPM	HEATING COIL EWT	HEATING COIL LWT	HEATING COIL WPD (FT OF H_2O)	ELECTRICAL VOLTS	ELECTRICAL MCA	ELECTRICAL MOCP	STYLE	MANUFACTURER & MODEL	REMARKS
FC-1	DISPATCH ROOM	260 (LOW)	–	1/8	4.7/4.7	75/62	1.0	45°	55°	4.6FT	13.8	1.4	140°	120°F	2.7FT	208V/1ø	0.74	10A	LAY IN CEILING	CARRIER 42WKN08MC	
FC-2	DISPATCH ROOM	260 (LOW)	–	1/8	4.7/4.7	75/62	1.0	45°	55°	4.6FT	13.8	1.4	140°	120°F	2.7FT	208V/1ø	0.74	10A	LAY IN CEILING	CARRIER 42WKN08MC	
FC-3	OPERATOR ROOM	260 (LOW)	–	1/8	4.7/4.7	75/62	1.0	45°	55°	4.6FT	13.8	1.4	140°	120°F	2.7FT	208V/1ø	0.74	10A	LAY IN CEILING	CARRIER 42WKN08MC	
FC-4	OPERATOR ROOM	260 (LOW)	–	1/8	4.7/4.7	75/62	1.0	45°	55°	4.6FT	13.8	1.4	140°	120°F	2.7FT	208V/1ø	0.74	10A	LAY IN CEILING	CARRIER 42WKN08MC	
FC-5	CCTV IT ROOM	260 (LOW)	–	1/8	6.6/7.5	75/62	1.5	45°	55°	3.2FT	–	–	–	–	–	208V/1ø	0.74	10A	SUSPENDED	CARRIER 42WKN12MC	

ALL UNITS SHALL INCLUDE FAN SPEED SWITCHES AND WALL MOUNT HARD WIRED INTEGRAL THERMOSTATS, SPARE FILTERS, CONDENSATE PUMP WITH HIGH LEVEL SWITCH. PROVIDE 4-WAY DEFLECTION LOUVERS.

PROVIDE HOSE KITS FOR ALL UNITS. PROVIDE 2-WAY, 2-POSITION CONTROL VALVES AND FAN CONTROL. RETAIN AN APPROVED CONTROLS TECHNICIAN AND CONNECT FAILURE ALARM TO BUILDING DDC PROGRAM ALARM POINTS AND TEST FOR PROPER OPERATION.

COORDINATE WITH EC AND PROVIDE EACH UNIT WITH A FUSED DISCONNECT WITH 10 AMP FUSES.

PROVIDE FACTORY CONDENSATE PUMP AND INSULATED CONDENSATE DRAIN TO APPROVED LOCATION AS COORDINATED ON PLUMBING PLANS.

PROVIDE MERV 8 FILTERS AND TWO SETS SPARE FILTERS. PROVIDE FILTER RACK ACCESSORY FOR MERV 8 FILTERS.

DIFFUSER, GRILLE, AND REGISTER SCHEDULE

CALLOUT	DESCRIPTION	AIRFLOW RANGE (CFM)	FACE SIZE (IN)	NOMINAL SIZE (IN)	INLET SIZE (IN)	THROW (FT) @ MIN/MAX CFM	NOISE CRITERIA @ MAX CFM	MODEL	NOTES
CD-1	12x12 ADJUSTABLE, 4 CONES, SURFACE MOUNT BORDER, STEEL WHITE PAINTED	0 – 90	12x12	6"ø	6ø	0 – 6	25	EH PRICE SCDA	SUPPORT IN CENTER OF CEILING TILE
CD-2	2X2 LAY-IN, ADJUSTABLE, 4 CONES, STEEL WHITE PAINTED	80 – 220	24x24	8"ø	8ø	0 – 8	25	EH PRICE SCDA	
CD-3	2X2 LAY-IN, ADJUSTABLE, 4 CONES, STEEL WHITE PAINTED	220 – 380	24x24	10"ø	10ø	0 – 10	25	EH PRICE SCDA	
CD-4	2X2 LAY-IN, ADJUSTABLE, 4 CONES, STEEL WHITE PAINTED	0 – 90	24x24	6"ø	6ø	0 – 13	25	EH PRICE SCDA	
EG-1	12X12 ARCHITECTURAL PERFORATED, ROUND NECK REDUCER, ALUMINUM, WHITE PAINTED, SURFACE MOUNT BORDER	0 – 100	12x12	6"ø	6ø	0 – 8	0	EH PRICE PDR	SUPPORT IN CENTER OF CEILING TILE
RG-1	2X2 LAY IN ARCHITECTURAL PERFORATED, ROUND NECK REDUCER, ALUMINUM, WHITE PAINTED	0 – 80	24x24	6"ø	6ø	0 – 8	0	EH PRICE PDR	
RG-2	12X12 ARCHITECTURAL PERFORATED, ROUND NECK REDUCER, ALUMINUM, WHITE PAINTED, SURFACE MOUNT BORDER	50 – 175	12x12	8"ø	8ø	0 – 8	0	EH PRICE PDR	SUPPORT IN CENTER OF CEILING TILE
RG-3	2X2 LAY IN ARCHITECTURAL PERFORATED, ROUND NECK REDUCER, ALUMINUM, WHITE PAINTED	100 – 165	24x24	8"ø	8ø	0 – 8	0	EH PRICE PDR	
RG-4	2X2 LAY IN ARCHITECTURAL PERFORATED, ROUND NECK REDUCER, ALUMINUM, WHITE PAINTED	100 – 380	24x24	12"ø	12ø	0 – 8	0	EH PRICE PDR	

Revisions	Date
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Drawing Title: MECHANICAL SCHEDULES AND DETAILS

Approved: Project Director

Project Title: SYRACUSE VAMC RENOVATE POLICE STATION

Location: SYRACUSE VA MEDICAL CENTER NY

Date: 4/19/13 | Checked: – PJM | Drawn: – PJM

Project Number: 528A7-12-708

Building Number: 1

Drawing Number: M0.2
Dwg. 15 of 31

Office of Construction and Facilities Management
Department of Veterans Affairs

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