

PACKAGED AC UNIT SCHEDULE	
MARK	RTU-1
SERVICE	DISPATCH
WEIGHT (LBS)	675
CONFIGURATION	DOWNFLOW
NOMINAL TONNAGE	3 HI EFF
SUPPLY AIR DATA	
AIRFLOW (CFM)	1200
EXTERNAL SP (IN WC)	0.8
OUTSIDE AIR (CFM)	300
COOLING	
TOTAL (MBH)	38.8
SENSIBLE (MBH)	25
ENTERING AIR DRY BULB (F)	76.5
ENTERING AIR WET BULB (F)	55.7
AMBIENT AIR TEMPERATURE (F)	84
REFRIGERANT	R-410A
EER/SEER	15 SEER
HEATING	
HEAT SOURCE	PROPANE
INPUT/OUTPUT CAPACITY (MBH)	80/64
HEATING STAGES	1
MISCELLANEOUS	
CONTROL TYPE	MICROPROCESSOR
FILTERS	2" THROW-AWAY
UNIT DATA	
ELECTRICAL (VOLTS/PH/Hz)	208-230/3/60
ELECTRICAL MCAMCOCP	21/430
BLOWER DRIVE	BELT
BLOWER MOTOR HORSEPOWER	1
ACCESSORIES	18 INCH FULL PERIMETER INSULATED ADAPTER CURB, DRY-BULB ECONOMIZER WITH BAROMETRIC RELIEF, LOUVERED CONDENSER COIL GUARDS, HINGED SERVICE DOORS WITH CAPTIVE 1/4-TURN LATCH
MANUFACTURER	TRANE
MODEL	YHC036

FAN SCHEDULE		
MARK	EF-1	EF-2
SERVICE	TOILETS	UTILITY
TYPE	CENTRIFUGAL ROOF UPBLAST EXHAUST	CEILING CABINET FAN
ROOF/WALL OPENING (INCHES)	14 X 14	16X8 BRICK VENT
DRIVE	DIRECT	DIRECT
MOTOR HORSEPOWER	1/8	192 WATTS
AIRFLOW (CFM)	400	200
EXT. STATIC PRESSURE (IN WC)	0.38	0.25
ELECTRICAL (VOLTS/PH/Hz)	115/1/60	115/1/60
MANUFACTURER	COOK	COOK
MODEL	100R15DH	GC-180
ACCESSORIES	ROOF CURB, BACKDRAFT DAMPER, DISCONNECT, SPEED CONTROLLER	INLET GRILLE, BACKDRAFT DAMPER, DISCONNECT, SPEED CONTROLLER, 16X8 BRICK VENT (FINISH TO MATCH WALL)
CONTROL	BREAK ROOM LIGHTS	CONTINUOUS

AIR DEVICE SCHEDULE																			
MARK	NECK SIZE (INCHES)	TYPE				MOUNTING					DUTY			AIR THROW (FT@50 FPM)	STATIC PRESSURE DROP AT MAX CFM	TITUS MODEL NUMBER	MAX NC	NOTES	
		DIFFUSER	REGISTER	GRILLE	DOOR GRILLE	LAY-IN SURFACE	WALL	FLOOR	DUCT	ROOF	AIR PATTERN	SUPPLY	RETURN						EXHAUST
A	8	X													11	0.02	TMS	20	1,3,6,8,12,16,18
B	8	X													7	0.15	NOTE 26	25	1,3,6,8,12,25
C	6	X													8	0.03	TMS	20	1,3,6,8,12,16,18
D	10	X													13	0.02	TMS	20	1,3,6,8,12,16,18
E	22X22		X												-	0.02	50F	20	2,3,6,10,12,16,18

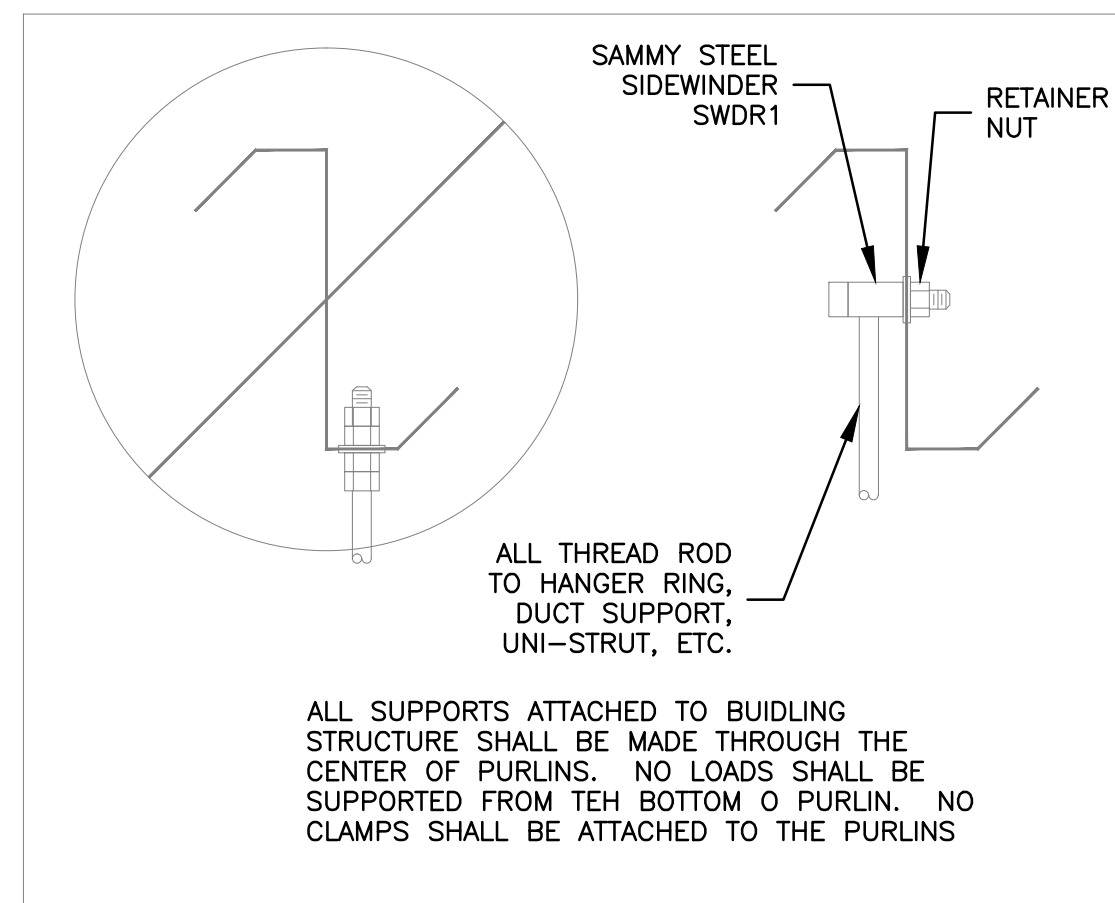
1. STEEL  
2. ALUMINUM  
3. WHITE FINISH  
4. MILL FINISH  
5. ARCHITECT TO SELECT COLOR  
6. FIXED PATTERN  
7. ADJUSTABLE PATTERN  
8. LOUVERED FACE  
9. HINGED, PERFORATED FACE  
10. 1/2 X 1/2 X 1/2 INCH EGGRATE FACE  
11. 12 X 12 INCH MODULE  
12. 24 X 24 INCH MODULE - FULL FACE  
13. 24 X 24 INCH MODULE - FILLER PANEL  
14. 48 X 24 INCH MODULE  
15. 24 X 12 INCH MODULE  
16. OPPOSED BLADE DAMPER

17. SQUARE TO ROUND ADAPTER AS REQUIRED (FIELD FAB OR FACTORY)  
18. PROVIDE PLASTER FRAME IN GYP BOARD OR PLASTER CEILINGS AS REQ'D.  
19. SIGHT TIGHT CHEVRON BLADE DOOR GRILLE W/AUXILIARY FRAME  
20. ADJUSTABLE COUNTERBALANCED BACKDRAFT/RELIEF DAMPER; RUSKIN MODEL CBD-2.  
21. 4 INCH DRAINABLE STATIONARY LOUVER WITH BIRD SCREEN; UNITED ENERTECH MODEL FL-D-4  
22. 4 INCH DRAINABLE ADJUSTABLE LOUVER WITH BIRD SCREEN AND 120V MOTORIZED OPERATOR WITH SPRING RETURN UNITED ENERTECH MODEL AFL-D-4  
23. NON DUCTED PANEL  
24. 4 INCH DRAINABLE STATIONARY BRICK VENT WITH BIRD SCREEN; UNITED ENERTECH MODEL BY SERIES, VERIFY FLANGE ROOMTS WITH ARCH.  
25. VARIABLE FLOW DIFFUSER WITH HEATING AND COOLING THERMOSTAT; ACUTHERM TF-HC SERIES  
26. VARIABLE FLOW DIFFUSER WITH HEATING AND COOLING THERMOSTAT; ACUTHERM TF-HC SERIES

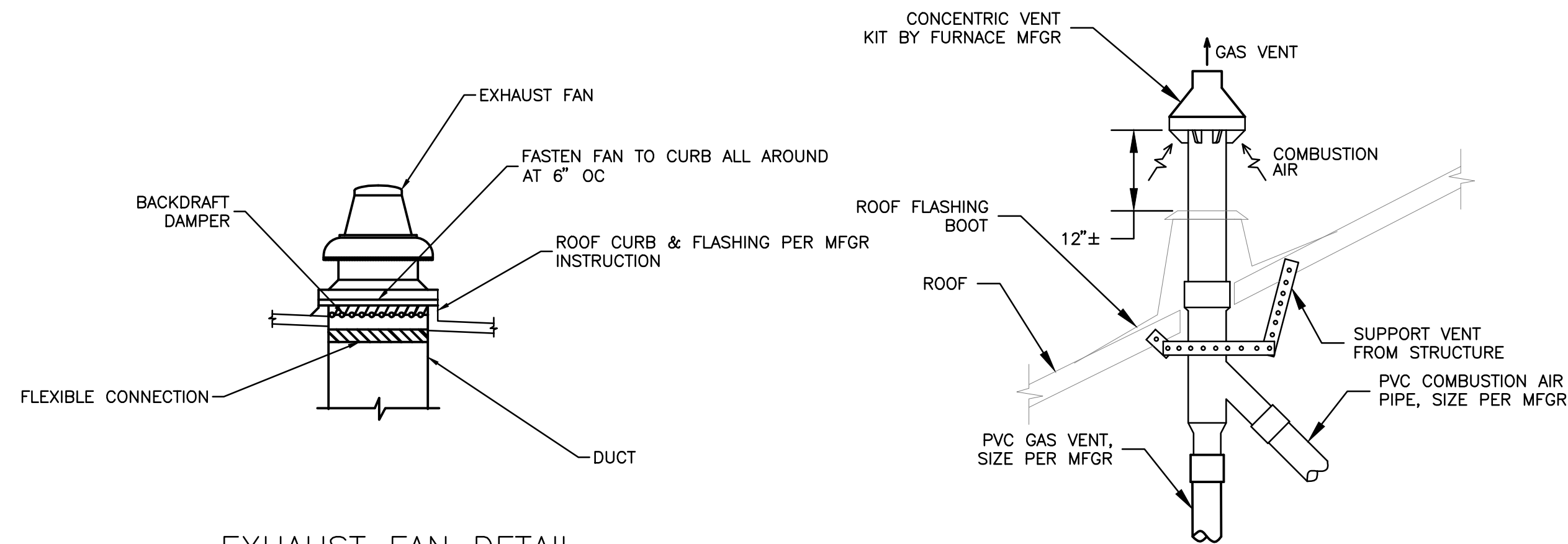
NOTE: SUBMITTALS FOR AIR DEVICES OTHER THAN THE MANUFACTURER AND MODEL NO. SPECIFIED SHALL INCLUDE ALL APPLICABLE PERFORMANCE DATA (THROW, PRESSURE DROP, NC, ETC.).

ELECTRIC HEATER SCHEDULE	
MARK	H-1, 2, & 3
TYPE	CEILING HEATER
SERVICE	ENTRY DOORS
CAPACITY (KW)	2.0
ELECTRICAL (VOLTS/PH/Hz)	208/1/60
ACCESSORIES	REMOTE LOW VOLTAGE THERMOSTAT, DISCONNECT SWITCH
MANUFACTURER	MARKEL
MODEL	F3482

GRAVITY VENTILATOR SCHEDULE	
MARK	GV-1
SERVICE	INTAKE
CONSTRUCTION	ALUMINUM
ROOF OPENING	16X16
THROAT DIAMETER (INCHES)	12
MAXIMUM AIRFLOW (CFM)	650
STATIC PRESSURE DROP (IN WC)	0.05
ACCESSORIES	ROOF CURB (COLOR PER ARCHITECT), BACKDRAFT DAMPER, INSECT SCREEN
MANUFACTURER	COOK
MODEL	PR-12

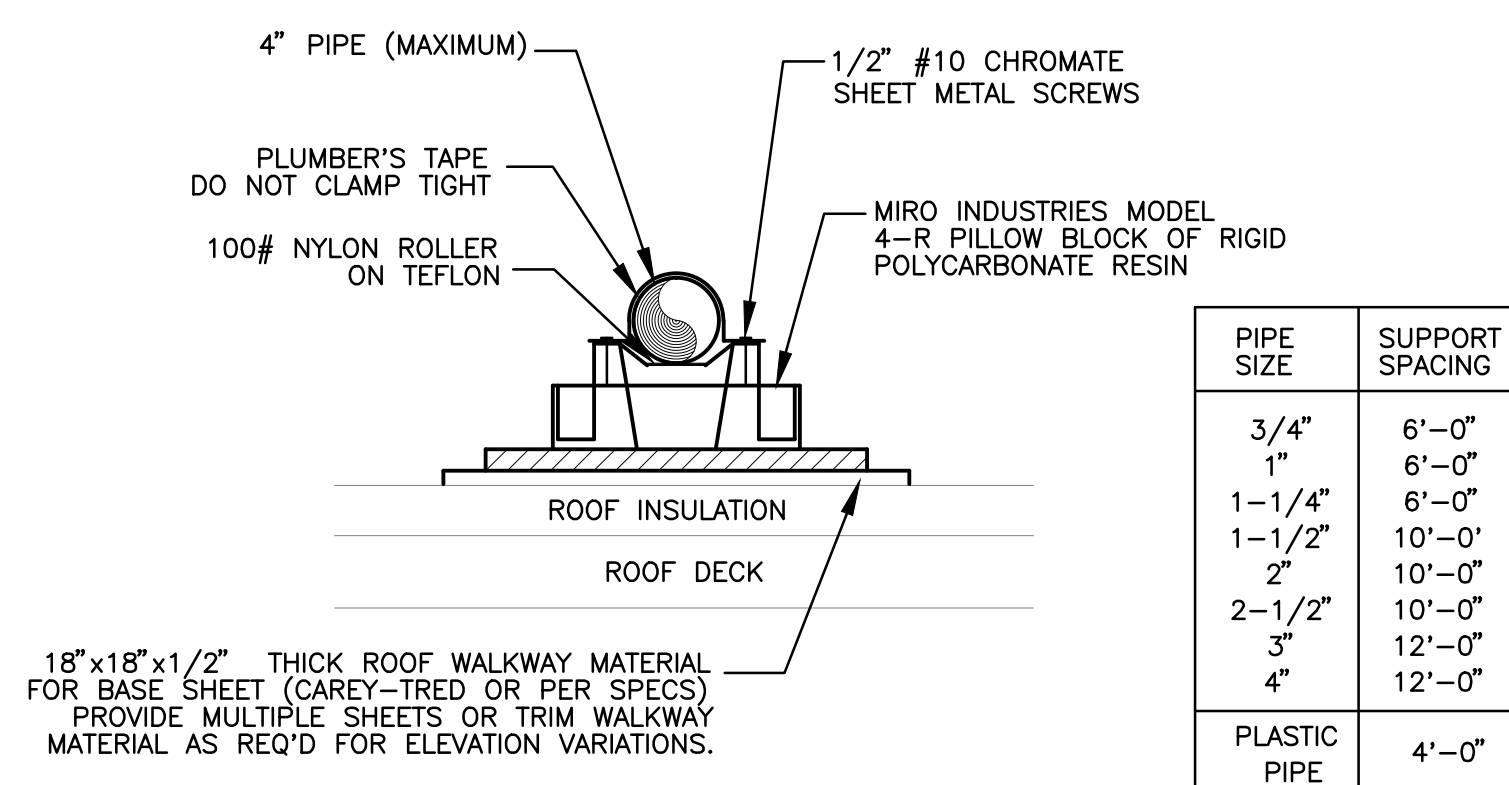


TYPICAL HANGER DETAIL  
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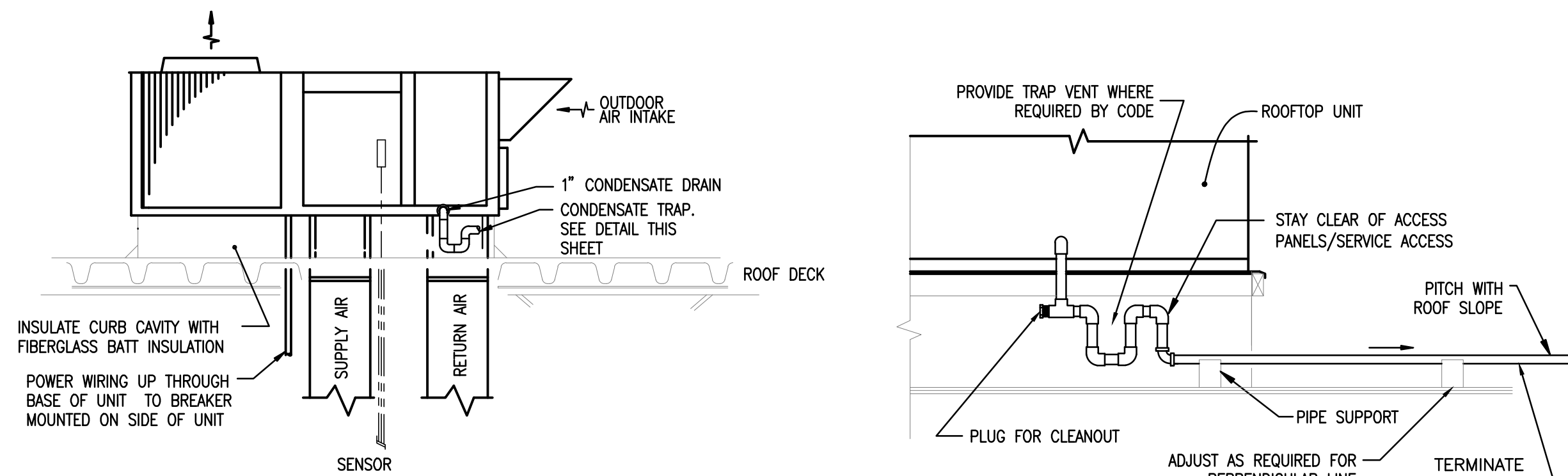


EXHAUST FAN DETAIL  
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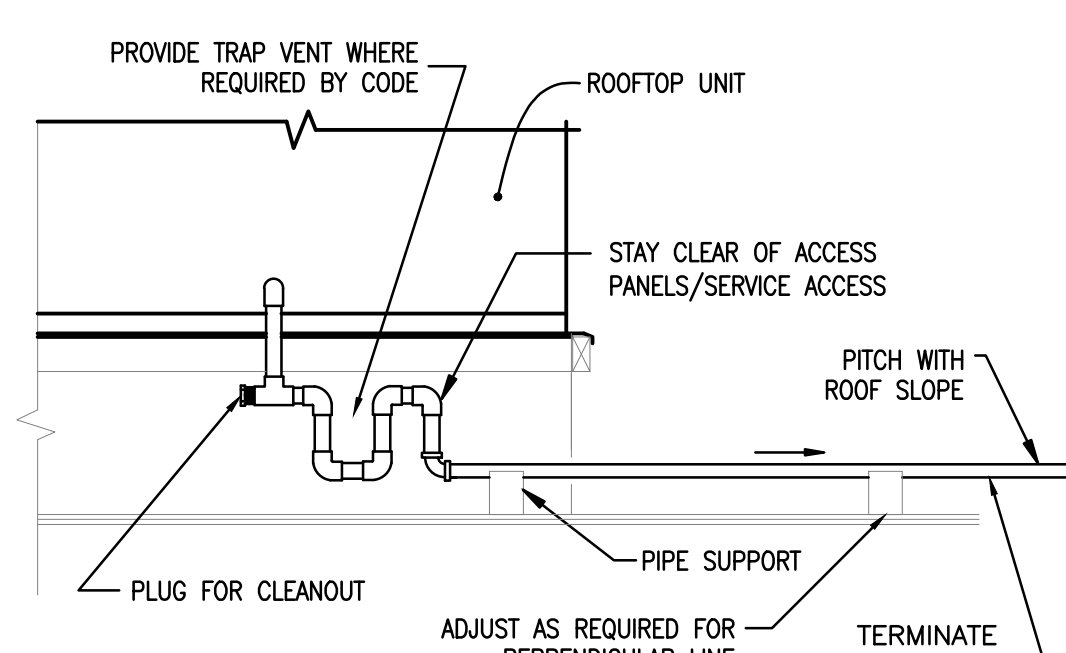
CONCENTRIC GAS VENT THROUGH ROOF DETAIL  
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ROOF PIPING SUPPORT DETAIL  
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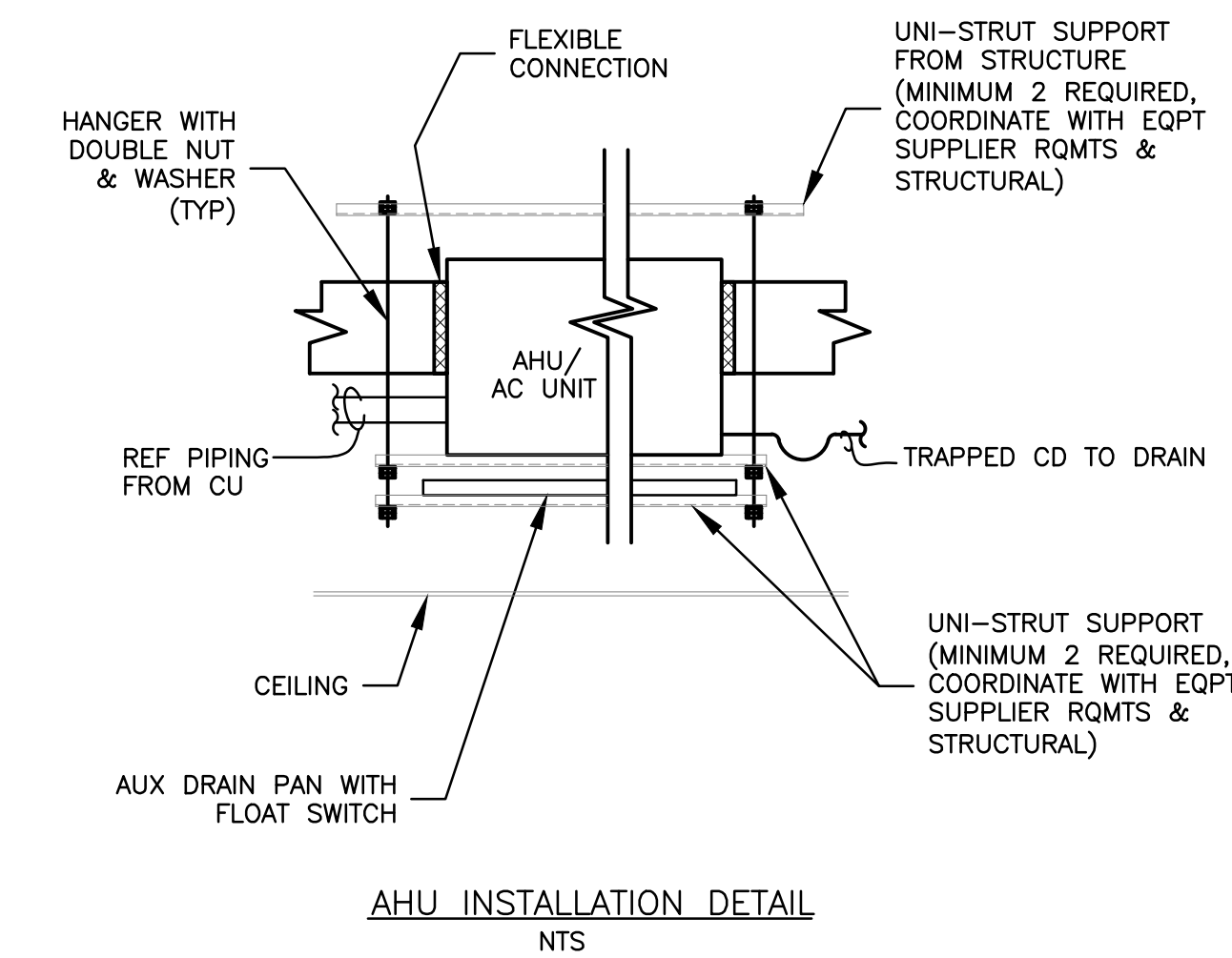


TYPICAL ROOFTOP UNIT INSTALLATION  
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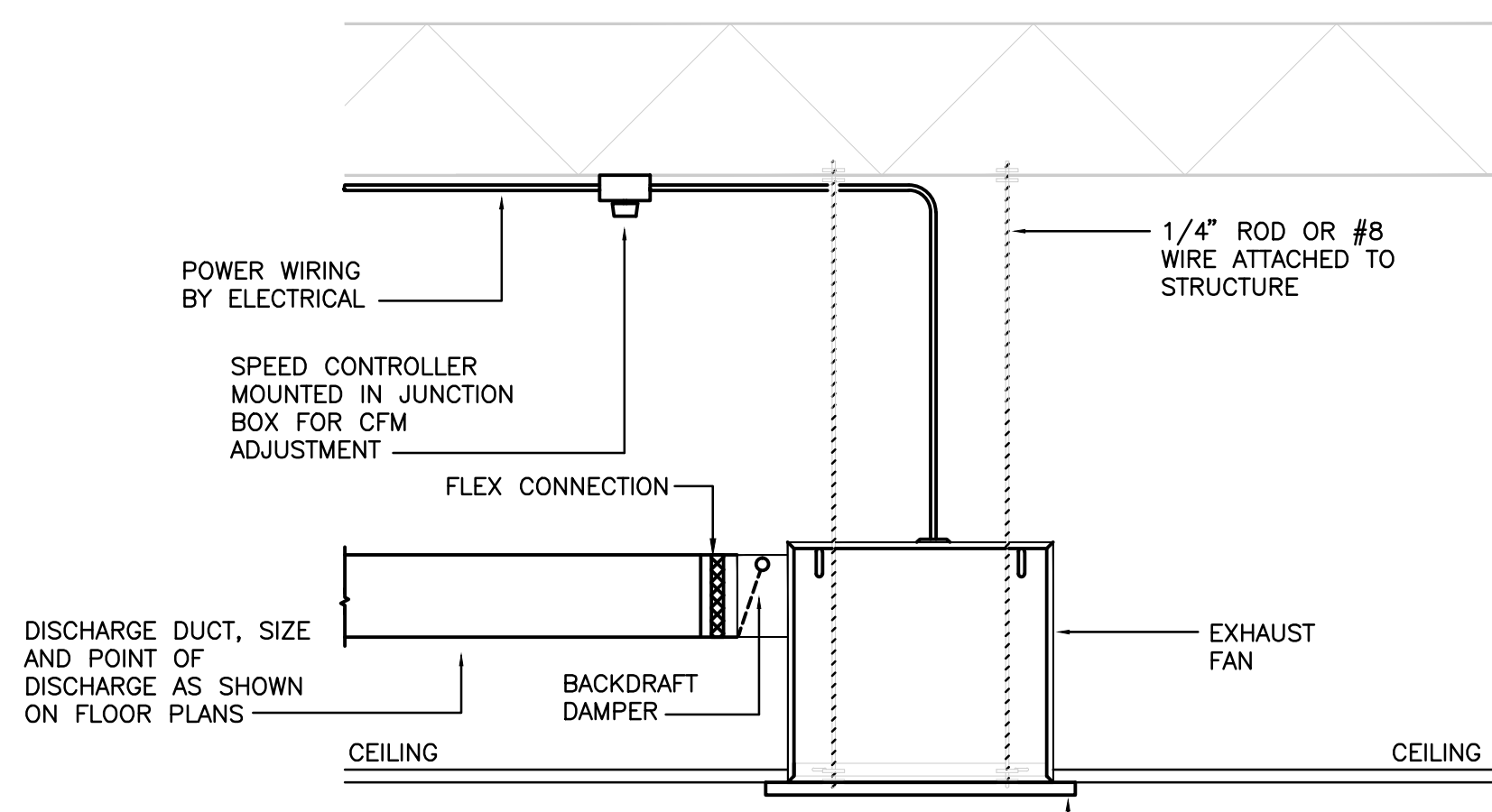


ROOFTOP UNIT CONDENSATE PIPING DETAIL  
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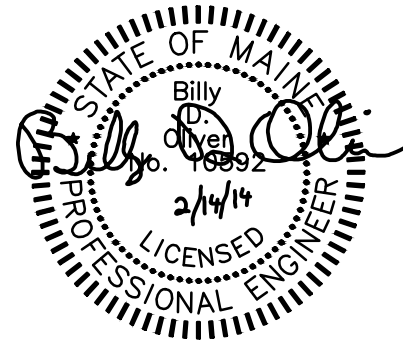
SPLIT SYSTEM AIR-CONDITIONING SCHEDULE		
AIR HANDLING UNIT		
MARK	AC-2	AC-3
SERVICE	OFFICE	TRAINING
WEIGHT	300	300
CONFIGURATION	HORIZONTAL	HORIZONTAL
SUPPLY AIR DATA		
AIRFLOW (CFM)	1350	800
EXTERNAL SP (IN WC)	0.8	0.8
OUTSIDE AIR (CFM)	180	230
HEATING DATA		
FUEL	PROPANE	PROPANE
COMBUSTION	FAN ASSISTED	FAN ASSISTED
IGNITION	HOT SURFACE	HOT SURFACE
INPUT (BTUH)	80,000	40,000
CAPACITY (BTUH)	76,000	38,000
UNIT DATA		
ELECTRICAL (VOLTS/PH/Hz)	115/1/60	115/1/60
MCAMCOCP	(1) 1/2 Hp MOTOR	(1) 1/3 Hp MOTOR
BLOWER DRIVE	DIRECT	DIRECT
BLOWER MOTOR HORSEPOWER	1/2	1/3
ACCESSORIES	HONEYWELL VISION-PRO 8000 SERIES PROGRAMMABLE, THERMOSTAT, CONCENTRIC VENT KIT, DUAL FUEL KIT, MOTORIZED OA DAMPER	HONEYWELL VISION-PRO 8000 SERIES PROGRAMMABLE, THERMOSTAT, CONCENTRIC VENT KIT, DUAL FUEL KIT, MOTORIZED OA DAMPER
FILTERS	THROWAWAY	THROWAWAY
FURNACE QUANTITY	1 FURNACE	1 FURNACE
WIDTH (INCHES)	17.5	17.5
MANUFACTURER	TRANE	TRANE
MODEL	TUH1B080	TUH1B040
DIRECT EXPANSION COOLING COIL MODULE		
NET TOTAL (MBH)	35.2	23
NET SENSIBLE (MBH)	24.9	15.8
ENTERING AIR DRY BULB (F)	76	76
ENTERING AIR WET BULB (F)	63	63
MAX PRESS DROP (IN WC)	0.3	0.3
MANUFACTURER	TRANE	TRANE
MODEL	4TXCB042	4TXCB025
OUTDOOR UNIT		
MARK	HP-2	HP-3
NOMINAL TONS	3.5	2
AMBIENT TEMPERATURE (F)	84	84
REFRIGERANT	R-410A	R-410A
NUMBER OF COMPRESSORS	13	13
EER/SEER	13 SEER	13 SEER
UNIT DATA		
ELECTRICAL (VOLTS/PH/Hz)	208-230/3/60	208-230/1/60
MCAMCOCP	25/40	12/20
ACCESSORIES	LOUVERED CONDENSER COIL GUARDS, LOW AMBIENT COOLING, TXV	LOUVERED CONDENSER COIL GUARDS, LOW AMBIENT COOLING, TXV
MANUFACTURER	TRANE	TRANE
MODEL	4TWB3042	4TWB3024
REFRIGERANT LINES AND ACCESSORIES: SIZE REFRIGERANT LINES AND PROVIDE REFRIGERANT PIPING ACCESSORIES PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.		



AHU INSTALLATION DETAIL  
NTS



CEILING MOUNTED EXHAUST FAN DETAIL  
NTS



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Existing Terminal Renovation for:  
**OLD DOMINION FREIGHT LINE**  
**ODEL PORTLAND, ME**  
185 RAND ROAD,  
PORTLAND, ME 04102

FOR PERMIT 2/14/14

Project No. 13061.00  
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Sheet Name:  
HVAC SCHEDULES & DETAILS

Sheet Number: