SPLIT DX SYSTEM SCHEDULE																			
AIR HANDLER												CONDENSING UNIT							REMARKS
							HEAT	POWER							POWER				
TAG	MAKE/MODEL	NOMINAL TONS	TOTAL CFM	OA CFM	Motor HP	ESP (" WC)	KW	VAC	PH	MCA	MAX FUSE (AMPS)	TAG	MAKE/MODEL	NOMINAL TONS	VAC	PH	MCA	MAX FUSE (AMPS)	
AHU-1	Trane TEM6A0C60	5	1890	460	3/4	0.4	7.6	240	1	44	45	CU-1	Trane 4TTZ6060	5	240	1	34	60	1, 2, 3

NOTES:
1 Provide condensate overflow switch & programmable 7/24 thermostat with lockable cover.
2 Install units in accordance with manufacturer's recommendations.
3 Provide new filters after commissioning and final acceptance.

DIFFUSER SCHEDULE				
TAG	SERVICE	NECK SIZE	DESCRIPTION	REMARKS
A	Supply Air	Ref. Plan	24"x 24" Adjustable Square Cone Diffuser, Price ASCDA w/ Insulated Back Panel	1, 2, 3
B	Supply Air	Ref. Plan	12"x 12" Adjustable Square Cone Diffuser, Price ASCDA w/ Insulated Back Panel	1, 2, 3
C	Return Air	Ref. Plan	24" X 24" Perforated, Ducted Return, Titus PAR	1, 2, 3
D	Return Air	Ref. Plan	12" X 12" Perforated, Ducted Return, Titus PAR	1, 2, 3

Notes:
1. Seal perimeter of diffusers/grilles to prevent moisture migration from attic space, as applicable
2. R value of insulated back panels/plenums to exceer R-6
3. Coordinate with owner / architect for color and finish

EXHAUST FAN SCHEDULE										
TAG	FAN					POWER			MAKE / MODEL	REMARKS
	AIRFLOW (CFM)	TSP (" wc)	Watts	HP	TYPE	VAC	PH	HZ		
EF-1	130	0.2	98		Ceiling Exhaust	120	1	60	Cook GC-148	1, 2
EF-2	1450	0.1		1/4	Attic Exhaust	120	1	60	Greenheck AE-12-433-A4X-QD	1, 3
EF-3	3480	0.1		1/3	Side Wall Exhaust	120	1	60	Greenheck S2-18-415-A3	1, 4
EF-4	100	0.1		57	Side Wall Exhaust	120	1	60	S&P SWF-100	1

1. Install per manufacturer's recommendations.
2. Furnish with inline aluminim grille.
3. Furnish with matching roof curb.
4. Furnish with OSHA motor guard, weatherhood and backdraft damper.

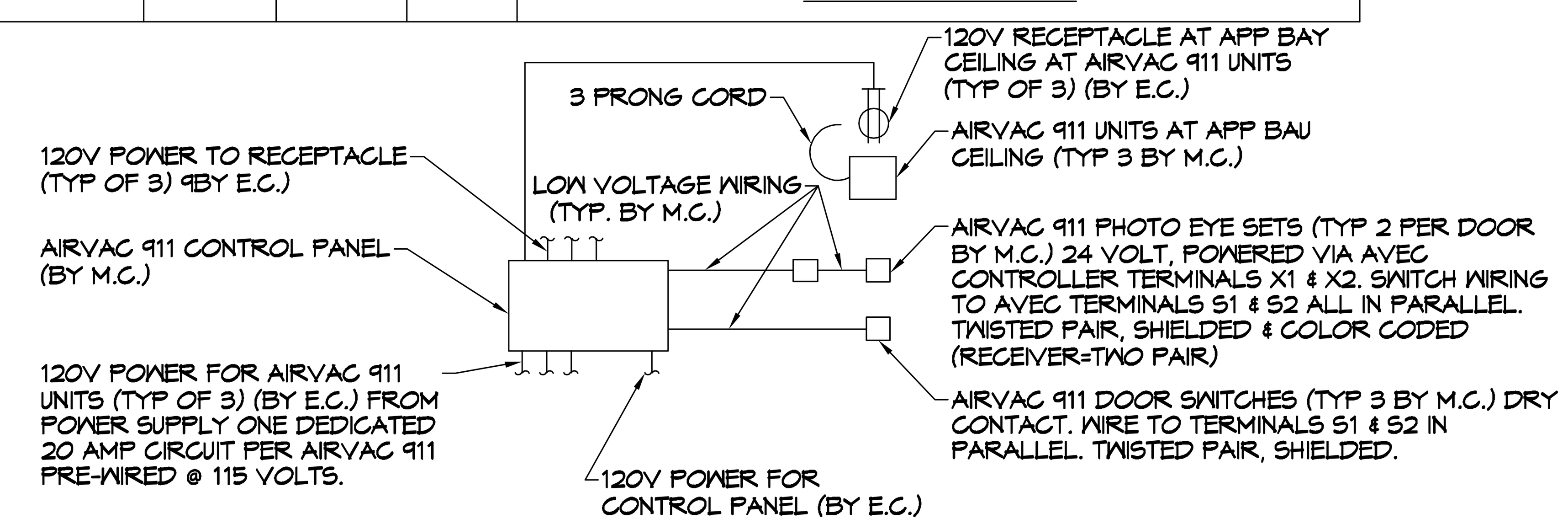
DEHUMIDIFIER SCHEDULE							
TAG	PART NUMBER	WATTS	PHASE	VOLTS	AMPS	DUCT SIZES	
						INLET	OUTLET
DH	ULTRA - AIRE - XT155H	920 @ 80°F & 60% RH	SINGLE	110-120	8	10" ROUND DUCT COLLAR 6" ROUND DUCT COLLAR	10" OVAL DUCT COLLAR

GAS FIRED HEATER SCHEDULE									
TAG	LOCATION	BTUH INPUT	CFM	HP	VOLTS	PHASE	RPM	FLUE DIA.	DESCRIPTION
GUH-1,2	ENGINE BAY	85000	1650	1/8	120	SINGLE	1550	3"	93% EFFICIENT CONDENSING FURNACE GAS HEATER WITH SEPARATE COMBUSTION, POWERED EXHAUST AND CONCENTRIC COMBUSTION/ EXHAUST KIT PROVIDED OPTONIC 409 SS HEAT EXCHANGER. MODINE PTC-85-SS-01

ELECTRIC WATER HEATER SCHEDULE								
TAG	GAL	RECOVERY 80°F RISE	KW	VOLT	PHASE	MOUNT	PIPE SIZE	DESCRIPTION
WH	47*	61	12	208	SINGLE	ATTIC	1"	RHEEM ELDS-52

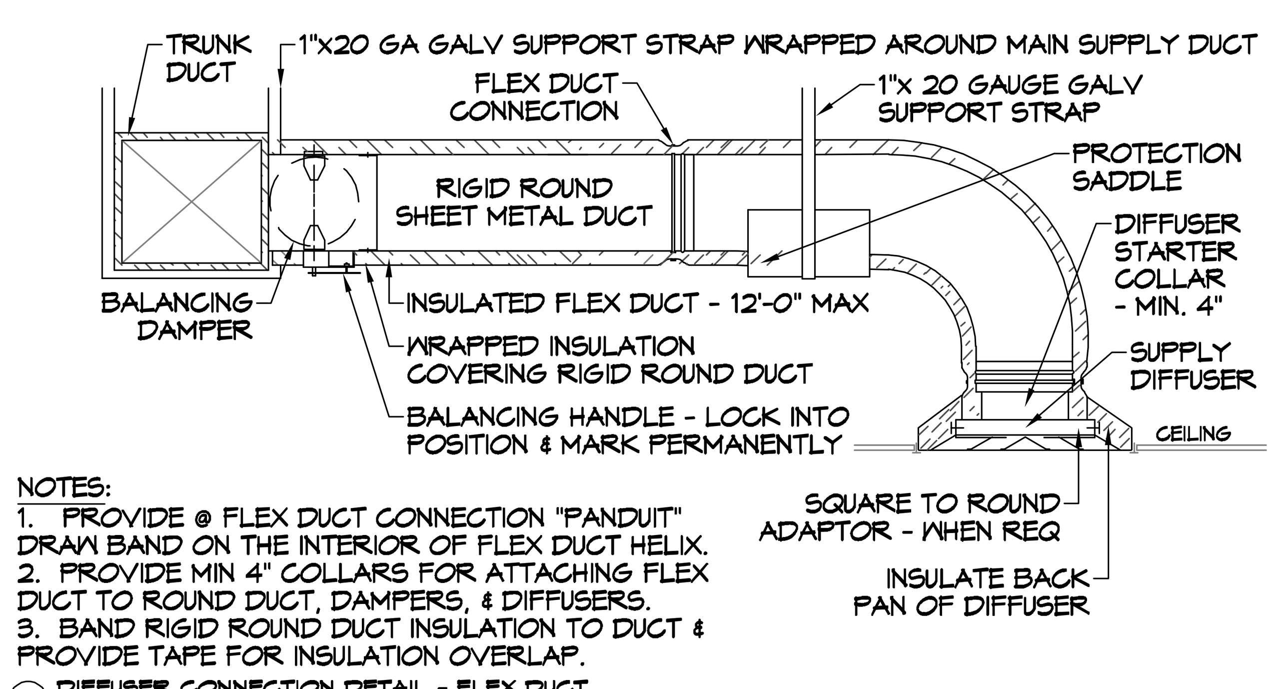
* PROVIDED HOLDRITE 50-SWHP-W WALL MOUNT KIT. MOUNT 6'-8" A.F.F.

AIR VAC EXHAUST			
PART NUMBER	MOTOR	ELECTRIC	QTY
AIR VAC 911 EXHAUST REMOVAL SYSTEM	3/4 HP	115VOLT, SINGLE PHASE, 13 FL AMPS	3



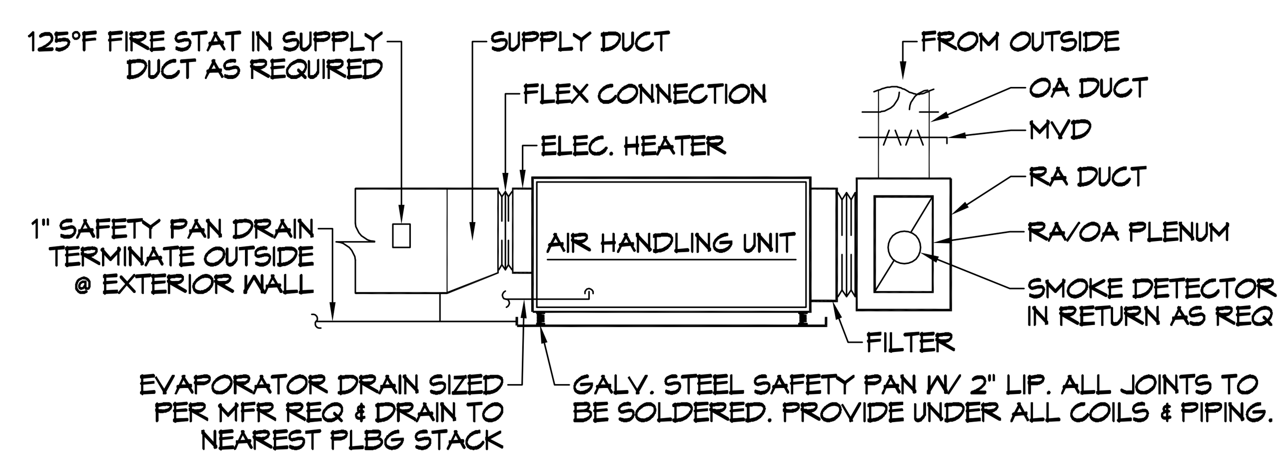
AIRVAC 911 SYSTEM CONTROL DIAGRAM
SCALE: N.T.S.

HVLS FAN SCHEDULE						
TAG	LOCATION	SIZE	RPM	HP	FR	DESCRIPTION
F7B	ENGINE BAY	8' DIA.	191	1	1	HVLS 8'Ø FAN WITH VFD AND WALL MOUNTED CONTROL PANEL BIG ASS FANS POWERFOIL 8-08

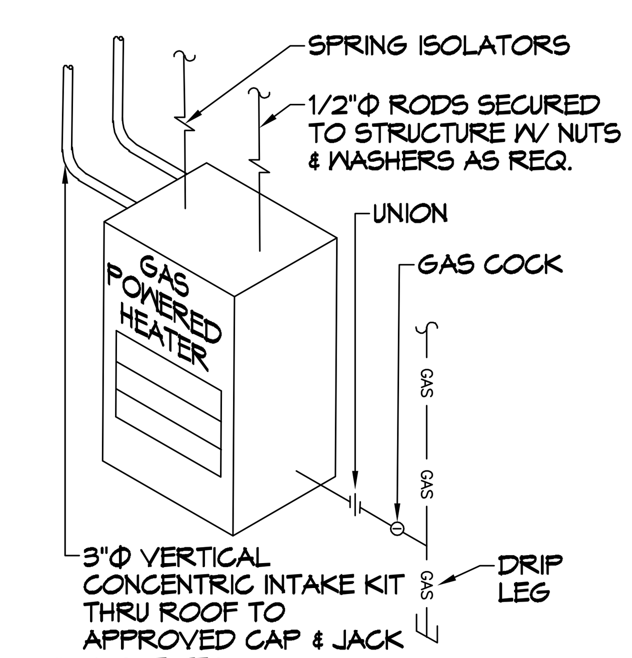


NOTES:
1. PROVIDE @ FLEX DUCT CONNECTION "PANDUIT" DRAW BAND ON THE INTERIOR OF FLEX DUCT HELIX.
2. PROVIDE MIN 4" COLLARS FOR ATTACHING FLEX DUCT TO ROUND DUCT, DAMPERS, & DIFFUSERS.
3. BAND RIGID ROUND DUCT INSULATION TO DUCT & PROVIDE TAPE FOR INSULATION OVERLAP.

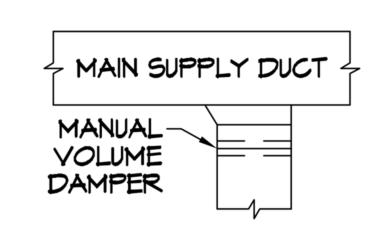
(A) DIFFUSER CONNECTION DETAIL - FLEX DUCT



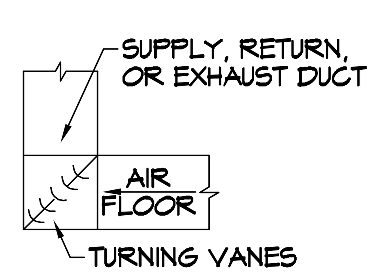
(B) TYPICAL HORIZONTAL AHU DETAIL



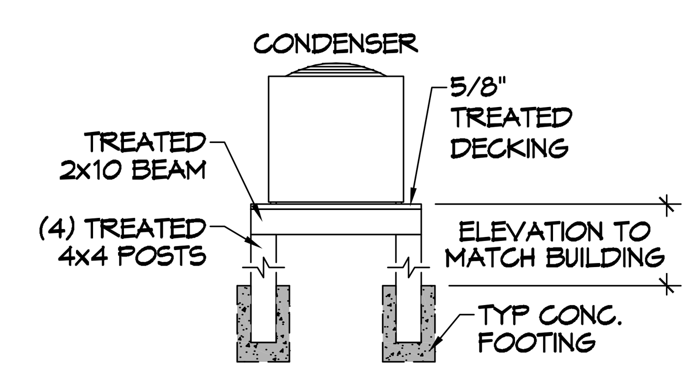
(C) GAS HEATER



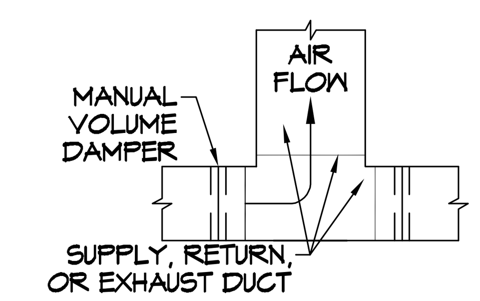
(D) SUPPLY DUCT TAKE-OFF



(E) SQUARE ELBOW



(F) CONDENSING MOUNT



(G) DUCT SPLITTER

TYPICAL DETAILS
SCALE: N.T.S.

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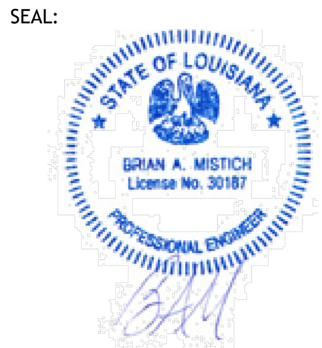
REVISIONS
#	DESCRIPTION	DATE

SEAL:



ST. TAMMANY FIRE PROTECTION DISTRICT No. 1
FIRE STATION 19
57041 ALLEN ROAD
SLIDELL, LOUISIANA 70461

JOB No:	2456	DATE:	05-12-2022
DRAWN BY:	GRD	CHECKED BY:	JMS

SHEET TITLE:
MECHANICAL DETAILS AND SCHEDULES

DRAWING NUMBER:
M102

SHEET No: 25 of 29