

C:\Work\Projects\23-47 St. Jude CC - Parish Hall Addn\Mech\2347-M03.dwg 12/21/23 06:48:30 Rene's ASUS

PACKAGED AC UNIT WITH GAS HEAT SCHEDULE																												
MARK RTU-	ARRANGEMENT	EVAPORATOR FAN				POWER CONNECTION				GAS HEATING (MBH)				COMPRESSOR		CONDENSER		NET COOLING PERFORMANCE DATA						UNIT WEIGHT (LBS)	MINIMUM SEER (EER)	DESIGN BASIS MANUFACTURER/ MODEL SERIES	REMARKS	
		UNIT CFM	O/A CFM	EXT. S.P.	HP	V	PH	MCA	MOCP	INPUT	CAP MBH	NUMBER STAGES	ENTERING AIR DB	QTY	RLA EACH	REF TYPE	QTY FANS	FLA EACH	CAPACITY (MBH)			AMB DB	ENTERING					
																			SENS	LAT	TOTAL		DB	DB				WB
PH-1	VERTICAL	2,000	400	0.7	1	208	3	29.5	40	60	48	1	63	1	15.9	R-410A	1	2.5	46.3	10.8	57.1	105	79.8	65.5	825	14	TRANE / YSC	1 THROUGH 16
PH-2	VERTICAL	4,000	800	0.8	5	208	3	49	60	120	102	1	63	2	19.6	R-410A	1	3.3	211.9	66.2	278.1	105	80.0	67.0	2,100	(10.8)	TRANE / YSC	1 THROUGH 17
PH-3	VERTICAL	3,000	600	0.7	1	208	3	39	50	60	48	1	63	1	29.0	R-410A	1	3.3	68.7	16.5	85.2	105	78.8	64.6	825	(10.8)	TRANE / YSC	1 THROUGH 17
PH-4	VERTICAL	3,000	600	0.7	1	208	3	39	50	60	48	1	63	1	29.0	R-410A	1	3.3	68.7	16.5	85.2	105	78.8	64.6	825	(10.8)	TRANE / YSC	1 THROUGH 17

REMARKS:

- EXTERNAL STATIC PRESSURE ("WG") INCLUDES DUCTWORK, BALANCING DAMPERS AND AIR DEVICES ONLY
- CAPACITIES LISTED ARE NET FROM UNIT DISCHARGE. UNITS SHALL PERFORM TO LISTED CAPACITIES.
- TRANE IS THE BASIS FOR DESIGN. ACCEPTABLE ALTERNATE MANUFACTURER'S ARE: YORK, CARRIER, AND GOODMAN. CONTRACTOR IS RESPONSIBLE FOR VARIATIONS IN FIT AND ELECTRICAL SERVICE.
- FUEL FOR HEATING SHALL BE NATURAL GAS
- PROVIDE GALVANIZED INSULATED FACTORY ROOF CURB TO MATCH ROOF SLOPE.
- PROVIDE FACTORY HAIL GUARDS
- UNIT PERFORMANCE MUST SATISFY BOTH SENSIBLE AND LATENT CAPACITY REQUIREMENTS
- PROVIDE WITH SMOKE DETECTOR INTERLOCKED TO SUPPLY FAN AS REQUIRED BY CODE. (2000 CFM GREATER)
- PROVIDE WITH STAINLESS STEEL HEAT EXCHANGERS.
- PROVIDE WITH INTEGRAL DISCONNECT AND A DUPLEX, 115-V, GFI RECEPTACLE WITH 15A MOCP (INCLUDE TRANSFORMER IF REQUIRED. OUTLET SHALL BE ENERGIZED EVEN IF THE UNIT MAIN DISCONNECT IS OPEN).
- PROVIDE WITH STAINLESS STEEL OR CORRIOSION RESISTANT CONDENSATE DRAIN PAN.
- PROVIDE WITH CRANKCASE HEATER.
- PROVIDE WITH CONTROLS TRANSFORMER.
- PROVIDE SINGLE POINT ELECTRICAL CONNECTION.
- PROVIDE WITH BAROMETRIC RELIEF.
- PROVIDE FACTORY PROGRAMMABLE THERMOSTAT, 7 DAY/2-EVENT, WITH DATA PORT FOR CONNECTION TO FUTURE FACILITY MANAGEMENT SYSTEM.
- IEER 14.0

FAN SCHEDULE												
MARK	TYPE	LOCATION	CFM	EXT SP IN WG	MOTOR DATA			DRIVE	MAX SONES	WEIGHT	MANUFACTURER / MODEL SERIES	REMARKS
					HP	VOLTS	PH					
EF-PH-1	IN-LINE	CEILING	860	0.5	0.3	120	1	DIRECT	7.0	50	LOREN COOK / SQND	2,5,6,7
KEF-PH-1	TYPE 1 HOOD EXHAUST	ROOF	2,000	1.0	0.75	208	3	DIRECT	10.0	100	CAPTIVEAIRE / DU-HFA	1,2,3,4
KSF-PH-1	FILTERED SUPPLY	ROOF	1,600	0.5	0.3	120	1	DIRECT	7.0	180	CAPTIVEAIRE / A-SERIES	1,2,3,4,7
EF-PH-2	CEILING	TOILET	80	0.2	85W	120	1	DIRECT	1.0	20	LOREN COOK / GC	2,7,8,9
EF-PH-3	IN-LINE	CRAWLSPACE	220	0.5	0.17	120	1	DIRECT	7.0	50	LOREN COOK / SQND	2,5,7
EF-PH-4	IN-LINE	CRAWLSPACE	160	0.5	0.17	120	1	DIRECT	7.0	50	LOREN COOK / SQND	2,5,7

REMARKS:

- PROVIDE FACTORY CURB WITH BOTTOM SLOPED TO MATCH ROOF SLOPE
- PROVIDE FACTORY PRE-WIRED DISCONNECT SWITCH WITH MOTOR THERMAL OVERLOAD PROTECTION.
- FAN MATCHED TO HOOD AND PROVIDED AS PART OF A FULLY INTEGRATED HOOD PACKAGE.
- INTERLOCKED START/STOP WITH HOOD SWITCH.
- PROVIDE WITH SPEED CONTROL (ECM OR FSC) FOR BALANCING PURPOSES AND FACTORY GRAVITY BACKDRAFT DAMPER.
- PROVIDE WITH TIME-CLOCK FOR CONTINUOUS OPERATION DURING OCCUPIED HOURS.
- PROVIDE FACTORY MOUNTING HARDWARE FOR SUSPENSION FROM BUILDING STRUCTURE INCLUDING RIS ISOLATORS.
- INTERLOCKED START STOP WITH LIGHT SWITCH.
- PROVIDE WITH FACTORY WALL CAP AND GRAVITY BACKDRAFT DAMPER.

ELECTRIC UNIT HEATER														
MARK UH-	SERVES	ARRANGEMENT	CFM	CONNECTION					CAPACITY			WEIGHT LBS	DESIGN BASIS MODEL SERIES	REMARKS
				MCA	MOCP	KW	V	PH	MBH	STAGES	TEMP RISE			
PH-1	RISER ROOM	HORIZONTAL	350	14.5	20.0	3.0	208	1	9.2	1	25	30	MUH	1,2,3,4

REMARKS:

- MOUNT UNIT AT 7'-0" ABOVE FINISHED FLOOR.
- QMARK/MARLEY IS THE BASIS OF DESIGN. CONTRACTOR IS RESPONSIBLE FOR VARIATIONS FROM DESIGN BASIS IN FIT AND ELECTRICAL SERVICE.
- PROVIDE UNIT MOUNTED THERMOSTAT.
- PROVIDE FACTORY MOUNTING HARDWARE.

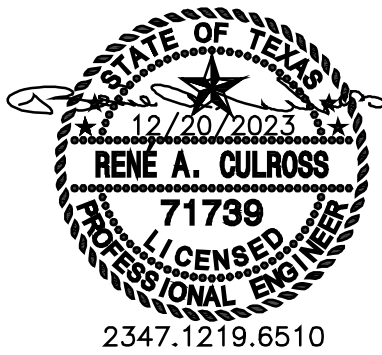
AIR DEVICE SCHEDULE										
MARK	SERVES	NECK SIZE	FACE SIZE	MOUNTING	TYPE	MATERIAL	MAXIMUM NC	DESIGN BASIS MANUFACTURER/ MODEL SERIES	REMARKS	
A	SUPPLY	6,8,10,12,14	24" x 24"	CEILING	LOUVERED	STEEL	30	TITUS/TMSA	1,2,3	
B	SUPPLY	6,8	12" x 12"	CEILING	LOUVERED	STEEL	30	TITUS/TMSA	1,2,3	
E	SUPPLY	VARIES	(NOTE 1)	LINEAR BAR	BAR GRILLE	STEEL	30	TITUS/CT	1,4	
H	RETURN/EXHAUST	22" x 22"	24" x 24"	CEILING	PERFORATED	STEEL	30	TITUS/PAR	1,2,3	
K	RETURN/EXHAUST	10" x 10"	12" x 12"	CEILING	PERFORATED	STEEL	30	TITUS/PAR	1,2,3	

REMARKS:

- PROVIDE MOUNTING FRAME TO BE COMPATIBLE WITH TYPE OF CEILING IN WHICH THE DEVICE IS TO BE MOUNTED. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING TYPES.
- PROVIDE WHITE BAKED ENAMEL FINISH.
- WHERE ROUND NECK SIZE IS NOTED ON DUCTWORK PLAN, PROVIDE RECTANGULAR TO ROUND DUCT COLLAR.
- PROVIDE PRIME COAT OF PAINT TO MATCH ADJACENT CEILING COLOR OR SPECIAL ARCHITECTURAL DESIGN, REFER TO ARCHITECTURAL REFLECTED CEILING PLAN.

NOTES:

- FACE SIZE WILL BE APPROXIMATELY 1 3/4" GREATER THAN NECK SIZE NOTED ON HVAC FLOOR PLAN.



MEP Consultant
Rene' A. Culross
Rene' A. Culross, P.E., PLLC
1820 Hunting Green Drive
Fort Worth, TX 76134
817-798-6642
raculross@gmail.com
F-12230

ARCHITECTURE
SCOTT MARTSOLF - ARCHITECT

815 Daggett Avenue
Fort Worth, Texas 76104

Phone: (817) 820-0005

ST. JUDE
CATHOLIC
CHURCH

PARISH HALL
REMODEL &
CONNECTOR
BUILDING

500 E DALLAS ST.
MANSFIELD, TX 76063

BID SET

Drawing Title:

HVAC SCHEDULES

Project No.

2307

Date:

12/20/2023

Sheet No.

M0.3