

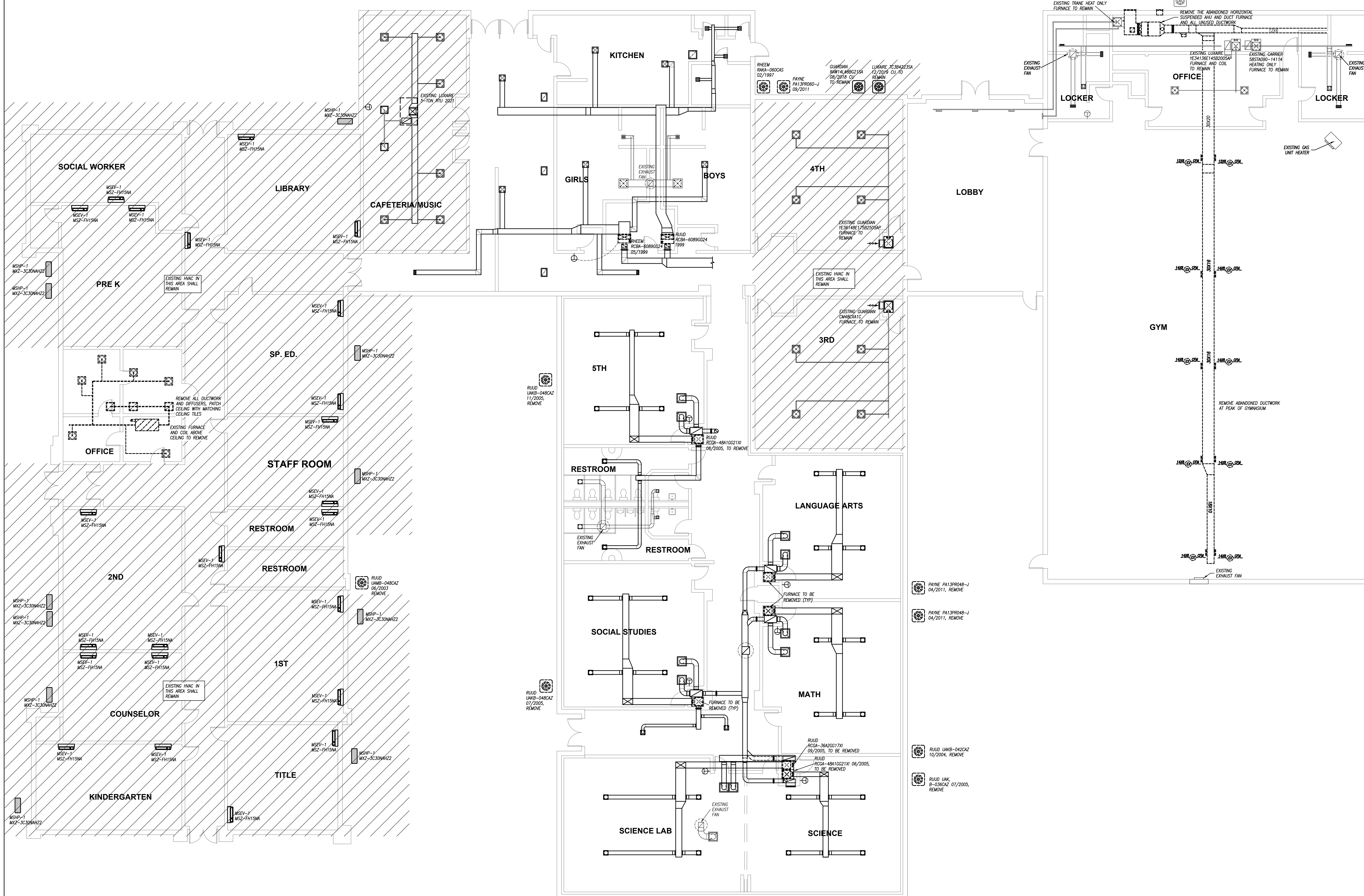


USD 506 LABETTE CO SCHOOLS HVAC UPGRADES

**MOUND VALLEY GRADE SCHOOL
402 WALNUT ST.
MOUND VALLEY, KS 67354**

ISSUED FOR:	
DESCRIPTION	DATE
1	
2	
3	
© PEARSON KENT MCKINLEY RAAF ENGINEERS, LLC	
DRAWN BY:	EJT
CHECKED BY:	SWM
SHEET TITLE:	
<div style="text-align: center;"> <h1>HVAC DEMO PLAN</h1> </div>	
DATE: 12/21/22	PKMR PROJECT: 22.175
SHEET NUMBER:	

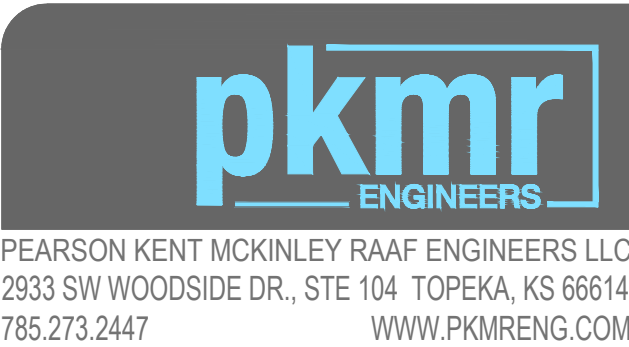
M1



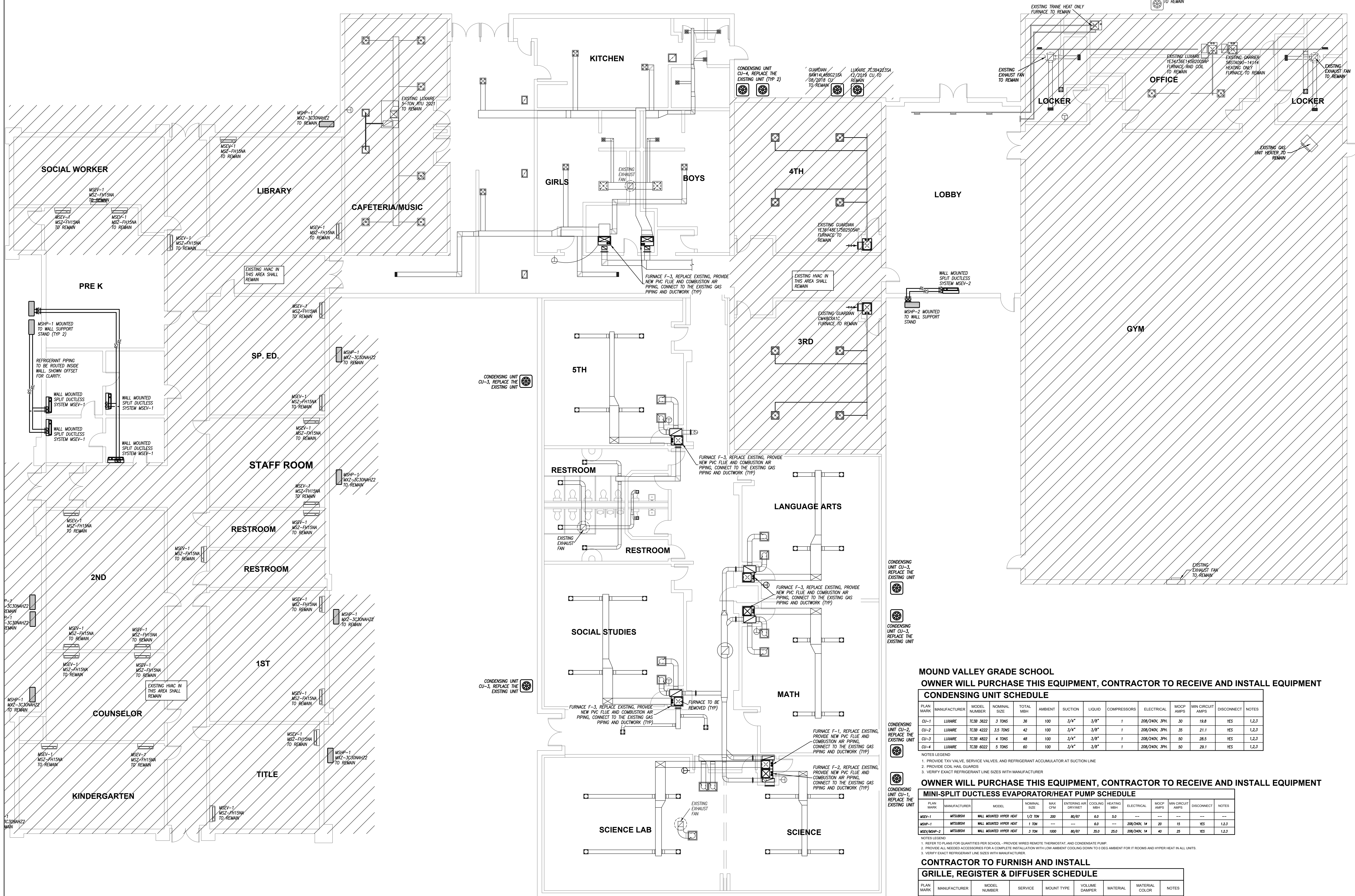
FLOOR PLAN - HVAC DEMO

$$1/8'' = 1'-0''$$

MOUND VALLEY GRADE SCHOOL

USD 506 LABETTE CO SCHOOLS
HVAC UPGRADES

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402 WALNUT ST.
MOUND VALLEY, KS 67354**



OWNER WILL PURCHASE THIS EQUIPMENT, CONTRACTOR TO RECEIVE AND INSTALL EQUIPMENT

CONDENSING UNIT SCHEDULE													
PLAN MARK	MANUFACTURER	MODEL NUMBER	NOMINAL SIZE	TOTAL MBH	AMBIENT	SUCTION	LIQUID	COMPRESSORS	ELECTRICAL	MOCP AMPS	MIN CIRCUIT AMPS	DISCONNECT	NOTES
CU-1	LUXURAE	TC3B 3622	3 TONS	48	100	3/4"	3/8"	1	208/240V, 3PH, 30	18.8	YES	1.2,3	
CU-2	LUXURAE	TC3B 4222	3.5 TONS	42	100	3/4"	3/8"	1	208/240V, 3PH, 35	21.1	YES	1.2,3	
CU-3	LUXURAE	TC3B 4822	4 TONS	48	100	3/4"	3/8"	1	208/240V, 3PH, 50	28.5	YES	1.2,3	
CU-4	LUXURAE	TC3B 6022	5 TONS	60	100	3/4"	3/8"	1	208/240V, 3PH, 50	29.1	YES	1.2,3	

NOTES LEGEND

1. PROVIDE TXV VALVE, SERVICE VALVES, AND REFRIGERANT ACCUMULATOR AT SUCTION LINE
2. PROVIDE COIL HAIL GUARDS
3. VERIFY EXACT REFRIGERANT LINE SIZES WITH MANUFACTURER

OWNER WILL PURCHASE THIS EQUIPMENT, CONTRACTOR TO RECEIVE AND INSTALL EQUIPMENT
MINI-SPLIT DUCTLESS EVAPORATOR/HEAT PUMP SCHEDULE

MINI-SPLIT DUCTLESS EVAPORATOR/HEAT PUMP SCHEDULE												
PLAN MARK	MANUFACTURER	MODEL	NOMINAL SIZE	MAX CFM	ENTERING AIR DRYWET	COOLING BHP	HEATING BHP	ELECTRICAL	MOOP AMP	MIN CIRCUIT AMPS	DISCONNECT	NOTES
MSEV-1	MTSUSHI	WALL MOUNTED HYPER HEAT	1/2 TON	200	80/67	6.0	5.0	---	---	---	---	---
MSEV-1	MTSUSHI	WALL MOUNTED HYPER HEAT	1 TON	---	---	6.0	---	208/240, 14	20	15	YES	1.2,3
MSEV/ASH-2	MTSUSHI	WALL MOUNTED HYPER HEAT	3 TON	1000	80/67	35.0	25.0	208/240, 14	40	25	YES	1.2,3

NOTES LEGEND

1. REFER TO PLANS FOR QUANTITIES PER SCHOOL - PROVIDE WIRED REMOTE THERMOSTAT, AND CONDENSATE PUMP.

2. PROVIDE ALL NEEDED ACCESSORIES FOR A COMPLETE INSTALLATION WITH LOW AMBIENT COOLING DOWN TO 0 DEG AMBIENT FOR IT ROOMS AND HYPER HEAT IN ALL UNIT

3. VERIFY EXACT REFRIGERANT LINE SIZES WITH MANUFACTURER

CONTRACTOR TO FURNISH AND INSTALL

GRILLE, REGISTER & DIFFUSER SCHEDULE								
PLAN MARK	MANUFACTURER	MODEL NUMBER	SERVICE	MOUNT TYPE	VOLUME DAMPER	MATERIAL	MATERIAL COLOR	NOTES
A	PRICE	SMD-3P	SUPPLY	GRID	NO	STEEL	WHITE	

OWNER WILL PURCHASE THIS EQUIPMENT, CONTRACTOR TO RECEIVE AND INSTALL EQUIPMENT

FURNACE SCHEDULE																		
PLAN MARK	MANUFACTURER	MODEL NUMBER	CABINET WIDTH	TOTAL CFM	OUTDOOR AIR CFM	STATIC PRESSURE	MOTOR HP/HI EFF	HEAT INPUT BTU/H	HEAT OUTPUT BTU/H	FLUE OUTLET	AIR INLET/COMBUST AIR	EVAPORATOR	COOLING CAPACITY	ENTERING AIR DRYWET	LEAVING AIR DRYWET	ELECTRICAL	FILTER	NOTES
F-1	LUXARE	FLRE080612UH11	18"	1200	140	0.5"	1/2 HP/ECM	60	57	2"	2"	3 TON	3.0 TON	78/65	57/55	120 V, 1 PH.	MERV 13	1
F-2	LUXARE	FLRE080616UH11	21"	1400	165	0.5"	3/4 HP/ECM	80	76	2"	2"	3.5 TON	3.5 TON	78/65	57/55	120 V, 1 PH.	MERV 13	1
F-3	LUXARE	FLRE080616UH11	21"	1600	190	0.5"	3/4 HP/ECM	80	76	2"	2"	4 TON	4.0 TON	78/65	57/55	120 V, 1 PH.	MERV 13	1
F-4	LUXARE	FLRE100200UH11	21"	2000	240	0.5"	1 HP/ECM	100	95	2"	2"	5 TON	5.0 TON	78/65	57/55	120 V, 1 PH.	MERV 13	1

NOTES LEGEND

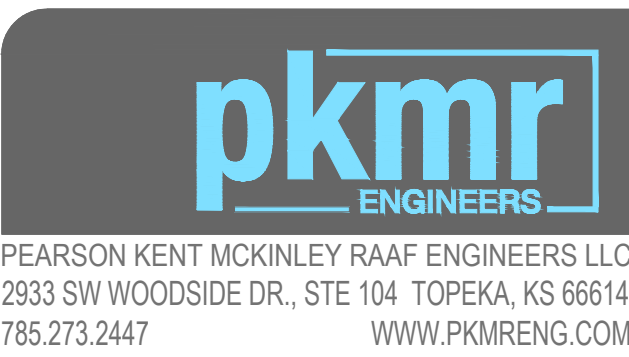


FLOOR PLAN - HVAC

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MOUND VALLEY GRADE SCHOOL