PROJECT SCHEDULE

NAME	LOCATION	OUTSIDE AIR		ALTITUDE (FT)
		HEATING DB (F)	COOLING DB/WB (F)	
LOVE'S TRAVEL STOP	NICHOLSON, MS	29	94/77	49

AIR SOURCE HEAT PUMP SCHEDULE

MARK	HEAT PUMP MANUFACTURER/ MODEL	AIR HANDLER MANUFACTURER/ MODEL	SUPPLY FAN			HEATING DATA		COOLING DATA		HEAT PUMP ELECTRICAL			AIR HANDLER ELECTRICAL			NOTES
			SUPPLY (CFM)	OSA (CFM)	E.S.P. (IN WC)	ENTERING/LEAVING TEMP (F)	SUPPLEMENTAL HEAT (KW)	SENSIBLE LOAD (BTU/H)	TOTAL LOAD (BTU/H)	VOLT/PH	MCA	MOCP	VOLT/PH	MCA	MOCP	
HP-1/AHU-1	TRANE 4TWR7024A1	TRANE TAM9A0B30V	800	150	0.5	55/90	7.2	19,200	24,000	208/1	15.0	25.0	208/1	48.0	50.0	1-7

NOTES:
1. PROVIDE DOWNFLOW ADDITIVE BASE.
2. PROVIDE WITH HARD START KIT AND SOUND COVER OVER COMPRESSOR.
3. PROVIDE WITH LOW AMBIENT CONTROL.
4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE REFRIGERANT, PIPING AND SPECIALTY ITEMS.
5. PROVIDE AIR HANDLER AND ELECTRIC HEAT WITH A FACTORY MOUNTED CIRCUIT BREAKER FOR SINGLE POINT CONNECTION.
6. PROVIDE HEAT PUMP WITH HAIL GUARD.
7. OWNER PROVIDED FOR INSTALLATION BY CONTRACTOR.

AIR DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	NECK SIZE (IN.)	MODULE SIZE	MAX. AIRFLOW RATE (CFM)	STATIC PRESSURE DROP (IN H2O)	THROW @ 50 FPM (FT)	MAXIMUM NC RATING	PATTERN	THROW DIRECTION	MATERIAL	BORDER	NOTES
A	NAILOR	UNI	SUPPLY	6"Ø	24"X24"	100	0.02	4.0	<20	4-WAY	HORIZONTAL	STEEL	LAY-IN	1-5
B	NAILOR	UNI	SUPPLY	8"Ø	24"X24"	245	0.06	8.0	<10	4-WAY	HORIZONTAL	STEEL	LAY-IN	1-5
C	NAILOR	UNI	SUPPLY	10"Ø	24"X24"	382	0.09	12.0	18	4-WAY	HORIZONTAL	STEEL	LAY-IN	1-5
D	NAILOR	UNI	SUPPLY	8"Ø	12"X12"	382	0.09	12.0	18	4-WAY	HORIZONTAL	STEEL	SURFACE	1-5
E	NAILOR	UNI	SUPPLY	10"Ø	24"X24"	382	0.09	12.0	18	4-WAY	HORIZONTAL	STEEL	SURFACE	1-5
F	NAILOR	4320CBA	SUPPLY	8"Ø	16"X16"	210	0.06	10.0	21	4-WAY	HORIZONTAL	ALUMINUM	SURFACE	1-5
G	NAILOR	5075	SUPPLY	10"Ø	3"X48"	300	0.10	24.0	29	1-WAY	HORIZONTAL	ALUMINUM	SURFACE	1-5
H	NAILOR	6145H	RETURN/EXHAUST	22"X10"	24"X12"	548	0.05	--	17	--	--	STEEL	LAY-IN	1-5
J	NAILOR	6145H	RETURN	22"X22"	24"X24"	1268	0.05	--	20	--	--	STEEL	LAY-IN	1-5
K	NAILOR	6145H	RETURN/EXHAUST	22"X10"	24"X12"	548	0.05	--	17	--	--	STEEL	SURFACE	1-5
L	NAILOR	5145H	RETURN	22"X6"	24"X8"	744	0.09	--	21	--	--	STEEL	SURFACE	1-5
M	NAILOR	5145H-OA	EXHAUST	10"X10"	11.75"X11.75"	305	0.09	--	19	--	--	ALUMINUM	SURFACE	1-5
N	ACUTHERM	ST-HC	SUPPLY	8"Ø	24"X24"	450	0.15	13.0	27	4-WAY	HORIZONTAL	ALUMINUM	LAY-IN	1-5
O	NAILOR	61PR-S-00-AW-A	SUPPLY	14"Ø	24"X48"	600	0.09	2	26	PERFORATED DUMP	VERTICAL	STEEL	LAY-IN	1-6
P	NAILOR	5145H-HD-AL	EXHAUST	8"Ø	12"X12"	200	0.02	--	--		--	ALUMINUM	SURFACE	1-5
Q	NAILOR	UNI	SUPPLY	8"Ø	12"X12"	382	0.09	12.0	18	4-WAY	HORIZONTAL	STEEL	LAY-IN	1-5

GENERAL NOTES:
A. NOT ALL AIR DEVICES LISTED MAY BE USED ON PLANS.

NOTES:
1. BORDER TYPES SHALL BE COMPATIBLE WITH ARCHITECTURAL CEILING TYPE FOR THE ROOM IN WHICH THE AIR DEVICE IS LOCATED.
2. SEE HVAC PLANS FOR LOCATION AND AIR QUANTITIES OF EACH AIR DEVICE.
3. ALL AIR DEVICES SHALL BE TESTED IN ACCORDANCE WITH ASHRAE STANDARD 70-91.
4. NC VALUES ARE BASED UPON A 10 dB ROOM ATTENUATION.
5. OWNER PROVIDED AND CONTRACTOR INSTALLED. REFER TO SPECIFICATIONS
6. PROVIDE FIELD BUILT PLENUM 46x22x27 HIGH PLENUM 14"Ø SIDE INLET.

LOUVER SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	SIZE (IN.)	TYPE	MAX. AIRFLOW RATE (CFM)	STATIC PRESSURE DROP (IN H2O)	FREE AREA (SQ. FT.)	AIR VELOCITY	NOTES
OAL-01	SEIHO	SFX-8	EXTERIOR WALL	8"Ø	INTAKE	100	0.07	0.14	714	1-3
OAL-02	NAILOR	1606CDAF	SERVICE BAY	30X30	DRAINABLE	1700	0.08	2.72	625	3-5
EAL-01	SEIHO	SFX-8	EXTERIOR WALL	8"Ø	EXHAUST	150	0.12	0.14	1071	1-3

1. PROVIDE WITH INSECT SCREEN.
2. CLEAR ANODIZED ALUMINUM FINISH.
3. OWNER PROVIDED FOR INSTALLATION BY MECHANICAL CONTRACTOR.
4. PROVDE WITH ALUMINUM BIRD SCREEN.
5. PROVIDE WITH KYNAR/HLAR (70% PVDF) FINISH; COLOR TO BE SELECTY BY ARCHITECT.

ELECTRIC UNIT HEATER SCHEDULE

MARK	MANUFACTURER/ MODEL	LOC. AT ROOM	TYPE	FAN	CAPACITY		MOTOR		ELECTRICAL (VOLT/PH)	NOTES
					WATTS	BTU'S	HP	RPM		
EWH-1	MARKEL HF3323 TD-RP	TIRE SHOP	WALL	175	1125	3840	1/6	600	208/1	1
UH-1	MARKEL F1F5105N	TIRE SHOP	CEILING	400	5000	17,100	1/125	1550	208/1	1,2
UH-2	MARKEL F1F5105N	TIRE STORAGE	CEILING	400	5000	17,100	1/125	1550	208/1	1,2
UH-3	MARKEL F1F5105N	TIRE STORAGE	CEILING	400	5000	17,100	1/125	1550	208/1	1,2
UH-4	MARKEL F1F5105N	TIRE STORAGE	CEILING	400	5000	17,100	1/125	1550	208/1	1,2

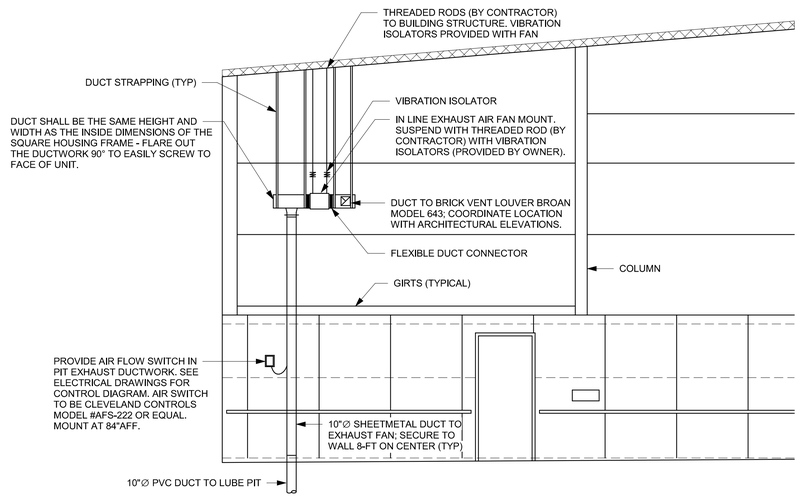
NOTES:
1. OWNER PROVIDED FOR INSTALLATION BY MECHANICAL CONTRACTOR.
2. OWNER PROVIDED ACCESSORIES: T5100 FIELD INSTALLED THERMOSTAT WITH A5105 MOUNTING.

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER/ MODEL	LOCATION	TYPE	MIN. CAP		MOTOR (BY M.C.)			NOTES
				CFM	ESP	HP	(RPM)	ELEC.	
EF-1	PENNBARRY ZJ1	RESTROOM	DIRECT DRIVE	150	0.280	1/8	650	120/1	1-3
EF-2	MARKEL CE-16DS	COMP CLOSET	DIRECT DRIVE	1550	0.280	1/8	1660	120/1	1, 3, 4
EF-3	PENNBARRY FX11Q	MEZZANINE	DIRECT DRIVE	710	0.250	1/5	1481	120/1	1, 5
EF-4	PENNBARRY SX085RCGP	LUBE PIT	ECM	400	0.400	1/3	1402	120/1	1,3,4,6,10
EF-5	PENNBARRY SX085RCGP	LUBE PIT	ECM	400	0.400	1/3	1402	120/1	1,3,4,6,10
EF-6	PENNBARRY P16RA	SERVICE BAY	DIRECT DRIVE	3130	0.150	1/2	1500	120/1	1, 7
EF-7	PENNBARRY P16RA	SERVICE BAY	DIRECT DRIVE	3130	0.150	1/2	1500	120/1	1, 7
EF-8	PENNBARRY P16RA	SERVICE BAY	DIRECT DRIVE	3130	0.150	1/2	1500	120/1	1, 7
EF-9	PENNBARRY P16RA	TIRE STORAGE	DIRECT DRIVE	3130	0.150	1/2	1500	120/1	1, 7
EF-10	PENNBARRY P16RA	TIRE STORAGE	DIRECT DRIVE	3130	0.150	1/2	1500	120/1	1, 7
SF-1	DAYTON 1HLA3C	TIRE STORAGE	DIRECT DRIVE	330	0.250	1/20	1550	120/1	1, 8, 9

NOTES:

1. OWNER PROVIDED FOR INSTALLATION BY CONTRACTOR.
2. WIRE PARALLEL TO LIGHTING CIRCUIT WITH TIME DELAY AND SPEED CONTROLLER.
3. PROVIDE WITH PLUG TYPE DISCONNECT.
4. WIRE TO RUN CONTINUOUS.
5. PROVIDE WITH LINE-VOLTAGE THERMOSTAT SET AT 80°.
6. PROVIDE WITH 12X12 BRICK VENT.
7. PROVIDE WITH WALL SHUTTER, WEATHER SHIELD, MOUNTING SLEEVE AND SPEED CONTROLLER; WIRE TO SWITCH SHOWN ON ELECTRICAL DRAWINGS.
8. INTERLOCK WITH 120V SPRING RETURN ACTUATOR ON LOUVER.
9. PROVIDE WITH DISCONNECT AND WALL SWITCH FOR OPERATION.
10. PROVIDE WITH VIBRATION ISOLATORS



1 TIRE SHOP EXHAUST FAN SECTION
NTS

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MECHANICAL SCHEDULES

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