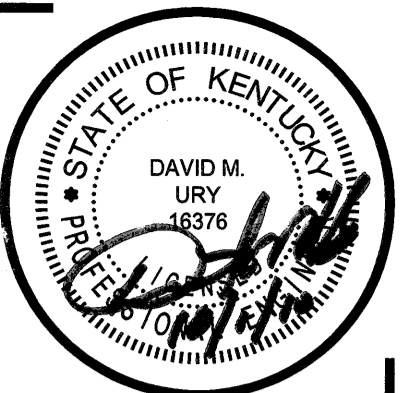


MECHANICAL EQUIPMENT CONNECTION SCHEDULE



ITEM #	DESCRIPTION	VOLTAGE/PHASE	LOCATION	ELEC. DATA				PANEL DESIGNATION	CONDUCTORS				LOCAL DISCONNECTING MEANS				REMARKS/NOTES
				LOAD	UNITS	MCA	MOCP		CONDUIT	LINE	NEU	GND	N.F.D.S. SIZE	F.D.S. SIZE	FUSE SIZE	ENCL NEMA	
C-1	AIR COOLED CONDENSING UNIT	208/1	BLDG. A - SITE			27.8	40	A-1,3	1/2"	8		10	2P60A			3R	C
C-2	AIR COOLED CONDENSING UNIT	208/1	BLDG. A - SITE			22.1	35	A-2,4	1/2"	8		10	2P60A			3R	C
C-3	AIR COOLED CONDENSING UNIT	208/1	BLDG. B - SITE			13.6	20	B1-1,3	1/2"	12		12	2P30A			3R	C
C-4	AIR COOLED CONDENSING UNIT	208/1	BLDG. B - SITE			13.6	20	B1-2,4	1/2"	12		12	2P30A			3R	C
F-1	FURNACE	120/1	BLDG. A - APPLIANCE EQUIPMENT DISPLAY 102			13	20	A-9	1/2"	12	12	12	1P30A			1	C
F-2	FURNACE	120/1	BLDG. A - APPLIANCE EQUIPMENT DISPLAY 102			11	15	A-10	1/2"	12	12	12	1P30A			1	C
F-3	FURNACE	120/1	BLDG. B - MEZZANINE			11	15	B1-26	1/2"	12	12	12	1P30A			1	C
F-4	FURNACE	120/1	BLDG. B - MEZZANINE			11	15	B1-27	1/2"	12	12	12	1P30A			1	C
EF-1	VENTILATING FAN	120/1	BLDG. A - PUBLIC 101	29	W		15	A-11	1/2"	12	12	12	1P30A			1	F
EF-2	VENTILATING FAN	120/1	BLDG. A - EMPLOYEE'S 106	29	W		15	A-12	1/2"	12	12	12	1P30A			1	F
EF-3	VENTILATING FAN	120/1	BLDG. A - JANITOR 109	18	W		15	A-13	1/2"	12	12	12	1P30A			1	E
EF-4	VENTILATING FAN	120/1	BLDG. B - WOMEN 101	1/30	HP		15	B1-28	1/2"	12	12	12	1P30A			1	F
EF-5	VENTILATING FAN	120/1	BLDG. B - MEN 102	1/30	HP		15	B1-29	1/2"	12	12	12	1P30A			1	F
EF-6	VENTILATING FAN	120/1	BLDG. B - MISC. PARTS & EQUIPMENT 107	1/4	HP	7.25	15	B1-30	1/2"	12	12	12	1P30A			1	D, G
EF-7	VENTILATING FAN	120/1	BLDG. B - WELDING 109	1/8	HP		15	B1-31	1/2"	12	12	12	1P30A			1	E
EF-8	VENTILATING FAN	120/1	BLDG. B - DRIVE-THRU WASH BAY 110	1/4	HP	7.25	15	B1-32	1/2"	12	12	12	1P30A			1	E
L-2	LOUVER	120/1	BLDG. B - TRAILER REPAIR/SERVICE 108				15	B2-29	1/2"	12	12	12	1P30A			1	D
IR-1	GAS FIRED INFRARED HEATER	120/1	BLDG. B - MISC. PARTS & EQUIPMENT 107			6	15	B1-21	1/2"	12	12	12				1	J
IR-2	GAS FIRED INFRARED HEATER	120/1	BLDG. B - TRAILER REPAIR/SERVICE 108			6	15	B1-22	1/2"	12	12	12				1	J
IR-3	GAS FIRED INFRARED HEATER	120/1	BLDG. B - TRAILER REPAIR/SERVICE 108			6	15	B1-23	1/2"	12	12	12				1	J
IR-4	GAS FIRED INFRARED HEATER	120/1	BLDG. B - WELDING 109			6	15	B1-24	1/2"	12	12	12				1	J
IR-5	GAS FIRED INFRARED HEATER	120/1	BLDG. B - DRIVE-THRU WASH BAY 110			6	15	B1-25	1/2"	12	12	12	1P30A			3R	H
DBF-1	DRYER BOOSTER FAN	120/1	BLDG. B - MEZZANINE			0.73	15	B2-31	1/2"	12	12	12				1	B, L
WES-1	WELDING FUME EXTRACTION SYSTEM	120/1	BLDG. G - WELDING 109	(2) 1	HP	(2) 20	(2) 25	B1-33 AND B1-34	(2) 1/2"	(2) 10	(2) 10	(2) 10	(2) 1P30A			(2) 1	K
WH-1	WATER HEATER (GAS)	120/1	BLDG. A - APPLIANCE EQUIPMENT DISPLAY 102				20	A-39	1/2"	12	12	12					J
WH-2	WATER HEATER (GAS)	120/1	BLDG. B - MISC. PARTS & EQUIPMENT 107				20	B2-27	1/2"	12	12	12					J
WH-3	WATER HEATER (GAS)	120/1	BLDG. B - TRAILER REPAIR/SERVICE 108				20	B2-28	1/2"	12	12	12					J

GENERAL NOTES:

- 1 THE INFORMATION ABOVE SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT AS TAGGED ACTUAL EQUIPMENT REQUIREMENTS SHALL TAKE PRECEDENCE OVER THE LISTED INFORMATION. CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT REQUIRED TO PLACE EQUIPMENT IN SERVICE. EQUIPMENT MANUFACTURER SHALL BE RESPONSIBLE FOR VARIATIONS IN ELECTRICAL FIELD CONNECTIONS DUE TO EQUIPMENT SUBSTITUTIONS - MODIFY OVERCURRENT, DISC. SW, WIRE SIZE ETC, AS NECESSARY.
- 2 THIS SCHEDULE INCLUDES, BUT IS NOT LIMITED TO, THE EQUIPMENT FOUND ON THIS PROJECT. COORDINATE WITH ALL TRADES AND PROVIDE MANUFACTURERS MINIMUM REQUIREMENTS TO ALL EQUIPMENT INSTALLED. THIS SCHEDULE IS NOT TO IMPLY QUANTITY OF EQUIPMENT, REFER TO CONSTRUCTION DOCUMENTS OF RESPECTIVE TRADE FOR LOCATION AND QUANTITIES.
- 3 REFER TO BISSING DIAGRAM OF REFERENCED PANEL FOR CIRCUIT BREAKER SIZES.
- 4 STARTER/MOTOR SWITCH/DISCONNECT SHALL BE LOCATED ADJACENT TO UNIT IN ACCORDANCE WITH N.E.C. ARTICLE #110 & #440 - MAINTAIN WORKING CLEARANCES.
- 5 ALL FIELD WIRING TO UNITS SHALL BE PROPERLY SUPPORTED PER NEC AND ENCLOSURES SHALL BE PROPERLY RATED FOR THE INSTALLATION CONDITIONS. FIELD VERIFY PROPER BONDING TO GROUND.
- 6 CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY EQUIPMENT SHIPPED LOOSE WITH UNIT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

SPECIAL NOTES:

- A FURNISHED WITH UNIT MOUNTED NON-FUSED DISCONNECT SWITCH WITH SINGLE POINT CONNECTION, SUPPLIED BY EQUIP. MANUFACTURER.
- B FURNISHED WITH CONTROL PANEL. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIELD WIRING CONNECTIONS TO CONTROL PANEL AND FROM CONTROL PANEL TO EQUIPMENT, AS REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.
- C UNIT FURNISHED WITH NON-FUSED DISCONNECT SWITCH WITH SINGLE POINT ELECTRICAL CONNECTION. CONTRACTOR TO MOUNT DISCONNECT SWITCH LOCAL TO UNIT.
- D INTERLOCK FAN/LOUVER - SEE MECH.
- E UNIT SHALL BE ELECTRICALLY INTERLOCKED WITH AND CONTROLLED BY INDEPENDENT SWITCH WITH PILOT LIGHT.
- F UNIT SHALL BE ELECTRICALLY INTERLOCKED WITH AND CONTROLLED BY ZONE LIGHT CONTROL.
- G UNIT SHALL BE ELECTRICALLY INTERLOCKED WITH AND CONTROLLED BY THERMOSTAT.
- H CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT NEMA 3R DISCONNECT SWITCH LOCAL TO THE UNIT ON A SUITABLE SUPPORT.
- J UNIT FURNISHED WITH 5' CORD AND PLUG.
- K UNIT FURNISHED WITH TWO (2) COMBINATION STARTER/DISCONNECT OVERLOAD SWITCHES. CONTRACTOR TO MOUNT SWITCH LOCAL TO THE UNIT ON SUITABLE SUPPORTS.
- L UNIT SHALL BE ELECTRICALLY INTERLOCKED WITH PRESSURE SWITCH AND DRYER OPERATION.

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castleberry megregor swinford ARCHITECTS

BENTON GAS SYSTEM

Project No. 10580

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DATE 10/01/10