

FAN SCHEDULE																		
MARK	LOCATION	SERVICE	UNIT TYPE	TOTAL AIR (CFM)	E.S.P. (IN. W.C.)	DRIVE TYPE	ELECTRICAL					UNIT DIMENSIONS (IN.)			WEIGHT (LBS)	NOTES		
							BHP	MOTOR HP	RPM	VOLTAGE	PHASE	HERTZ	L	W			H	
EF-1	OFFICE (ABOVE CEILING)	EXHAUST	INLINE FAN	600	1.500	DIRECT	0.45	1	2115	115	1	60	21	15	15	77	ALL	
EF-2	WASH STATION #2 INERT AREA	EXHAUST	FLOOR MOUNTED BLOWER	3600	2.500	DIRECT	2.2	3	1486	460	3	60	44	35	39	363	ALL	
EF-3	OVEN #1 INERT AREA	EXHAUST	FLOOR MOUNTED BLOWER	1764	2.500	BELT	2.1	3	2005	460	3	60	-	-	-	262	ALL	
EF-4	WASH STATION #1 INERT AREA	EXHAUST	FLOOR MOUNTED BLOWER	3600	2.500	DIRECT	2.2	3	1486	460	3	60	44	35	39	363	ALL	
EF-5	OVEN #2 INERT AREA	EXHAUST	FLOOR MOUNTED BLOWER	1764	2.500	BELT	2.1	3	2005	460	3	60	-	-	-	262	ALL	
EF-6	WASH STATION #3 INERT AREA	EXHAUST	FLOOR MOUNTED BLOWER	3600	2.500	DIRECT	2.2	3	1486	460	3	60	44	35	39	363	ALL	
EF-7	OVEN #3 INERT AREA	EXHAUST	FLOOR MOUNTED BLOWER	3360	2.500	DIRECT	4.1	5	1798	460	3	60	56	53	41	324	ALL	
EF-8	BOOTH #1 (INERT AREA)	EXHAUST	FLOOR MOUNTED BLOWER	28400	2.500	DIRECT	92	100	1170	460	3	60	75	85	72	3153	ALL	
EF-9	CASTING STAND	EXHAUST	FLOOR MOUNTED BLOWER	737	2.500	DIRECT	0.53	0.75	2060	460	3	60	37	27	28	145	ALL	
EF-10	CASTING STAND	EXHAUST	FLOOR MOUNTED BLOWER	737	2.500	DIRECT	0.53	0.75	2060	460	3	60	37	27	28	145	ALL	
EF-11	GRAIN FORMER INSTALL/DETOOL ENERGETIC	EXHAUST	FLOOR MOUNTED BLOWER	730	2.500	DIRECT	0.52	0.75	2054	460	3	60	37	27	28	145	ALL	
EF-12	EXHAUST HOOD IN ENERGETIC AREA	EXHAUST	FLOOR MOUNTED BLOWER	880	2.500	DIRECT	0.69	0.75	2198	460	3	60	37	27	28	145	ALL	
EF-13	CARBON LINER MIXING/CLOSURE OVEN	EXHAUST	FLOOR MOUNTED BLOWER	470	1.500	DIRECT	0.88	1	2697	460	3	60	26	24	28	186	ALL	
EF-14	BOILER ROOM	EXHAUST	WALL MOUNTED AXIAL FAN	3150	0.500	DIRECT	0.5	1	1188	460	3	60	72	29	29	98	ALL	
EF-15	BOILER ROOM	EXHAUST	WALL MOUNTED AXIAL FAN	3150	0.500	DIRECT	0.5	1	1188	460	3	60	72	29	29	98	ALL	
EF-16	PRE-HEAT OVEN INERT AREA	EXHAUST	FLOOR MOUNTED BLOWER	1764	2.500	BELT	2.1	3	2005	460	3	60	-	-	-	262	ALL	

- ALL FAN NOTES:
- FAN TO RUN CONTINUOUSLY DURING OCCUPIED HOURS UNLESS NOTED OTHERWISE.
 - PROVIDE FAN WITH INTEGRAL DISCONNECT.
 - PROVIDE FAN WITH FACTORY PRE-WIRED FAN SPEED CONTROLLER.
 - PROVIDE WITH BACK DRAFT DAMPER
 - PROVIDE EXHAUST STACK DISCHARGE WITH RAIN SLEEVE, WHERE APPLICABLE.

AIR COMPRESSOR SCHEDULE														
MARK	DESCRIPTION	LOCATION	SERVICE	COMPRESSOR CAPACITY (ACFM)	DISCHARGE PRESSURE (PSIG)	MAXIMUM PRESSURE (PSIG)	HP	VOLTS	PH	CYCLE	APPROXIMATE WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
COMP-1	OIL FREE COMPRESSOR	UTILITY ROOM	GMLRS BUILDING	812	125	135	200	460	3	60	6460	ROGERS	KNWA1-GH	ALL

- NOTES:
- PROVIDE SOLID STATE MOTOR STARTER, MOUNTED AND WIRED.
 - PROVIDE ALLEN BRADLEY COMPACTLOGIX PLC AND ALLEN BRADLEY ETHERNET IP REMOTE COMMUNICATION PROTOCOL.
 - PROVIDE NON-FUSED DISCONNECT SWITCH (460V), ELECTRICAL ENCLOSURE COOLING FAN, FREEZE PROTECTION MINUS 20°F, AUTOMATIC RESTART AFTER POWER FAILURE.

COMPRESSED AIR DRYER SCHEDULE															
DRYER	DESCRIPTION	LOCATION	SERVICE	COMPRESSED AIR CAPACITY (SCFM @ 100 PSIG)	OUTLET PRESSURE DEW POINT (DEG F)	MAX/AVG CYCLE PURGE LOSSES (SCFM)	HEATER KW	VOLTS	PHASE	CYCLE	FLA (AMPS)	WEIGHT (LBS)	MANUFACTURER	MODEL NUMBER	NOTES
DR-1	EXTERNALLY HEATED DESICCANT DRYER	UTILITY ROOM	COMP-1	1000	-40	70	12	460	3	60	17.4	4195	PARKER	TWP1001FY41NNN	1

- NOTES:
- NON-FUSED DISCONNECT SWITCH (460V).

COMPRESSED AIR RECEIVER SCHEDULE											
MARK	DESCRIPTION	LOCATION	SERVICE	MAWP	MDMT	CAPACITY (GAL)	RELIEF VALVE (SCFM)	DIAMETER (IN)	HEIGHT (IN)	TANK WEIGHT (LBS)	NOTES
RT-1	VERTICAL COMPRESSED DRY AIR RECEIVER	OUTSIDE	GMLRS BUILDING	150 PSI	-22 °F	2000	900	60	174	3550	ALL
RT-2	VERTICAL VACUUM ACCUMULATOR	OUTSIDE	GMLRS BUILDING	150 PSI	-22 °F	2000	900	60	174	3550	ALL
RT-3	VERTICAL COMPRESSED DRY AIR RECEIVER	UTILITY ROOM	COMPRESSED AIR SYSTEM	150 PSI	-22 °F	500	900	36	120	950	ALL

- NOTES:
- PROVIDE ALL NECESSARY ACCESSORIES TO COMPLETE THE SYSTEM.
 - SET AIR RELIEF VALVE AT 150 PHS.
 - PROVIDE NEW RELIEF VALVE.

VACUUM PUMP SCHEDULE													
MARK	DESCRIPTION	LOCATION	SERVICE	COMPRESSOR CAPACITY (ACFM)	VACUUM (IN HG)	HP	VOLTS	PH	CYCLE	UNIT WEIGHT	MODEL	MANUFACTURER	NOTES
VP-1	VACUUM PUMP	UTILITY ROOM	GMLRS BUILDING	520	10.3	4.7	460	3	60	1146	GHS-900-VSD	ATLAS COPCO	
VP-2	VACUUM PUMP	UTILITY ROOM	GMLRS BUILDING	520	10.3	4.7	460	3	60	1146	GHS-900-VSD	ATLAS COPCO	

AIR LOUVERS SCHEDULE														
EQUIPMENT NUMBER	BASIS OF DESIGN		SERVICE	DESCRIPTION	MATERIAL	CFM	HEIGHT (IN)	WIDTH (IN)	FACE AREA (SQFT)	FREE AREA %	FREE AREA (SQFT)	FREE AREA VELOCITY (FPM)	PRESSURE DROP (IN. WG)	NOTES
	MANUFACTURER	MODEL												
LV-1	GREENHECK	ESD-635HP	INERT AREA RELIEF	STATIONARY DRAINABLE	EXTRUDED ALUMINUM	5680	44	44	13.4	60	7.9	716	0.08	1
LV-2	GREENHECK	ESD-635HP	INERT AREA RELIEF	STATIONARY DRAINABLE	EXTRUDED ALUMINUM	5680	44	44	13.4	60	7.9	716	0.08	1
LV-3	GREENHECK	ESD-635HP	INERT AREA INTAKE	STATIONARY DRAINABLE	EXTRUDED ALUMINUM	5680	44	44	13.4	60	7.9	716	0.08	1
LV-4	GREENHECK	ESD-635HP	INERT AREA INTAKE	STATIONARY DRAINABLE	EXTRUDED ALUMINUM	5680	44	44	13.4	60	7.9	716	0.08	1
LV-5	GREENHECK	ESD-635HP	INERT AREA OVEN #1 INTAKE	STATIONARY DRAINABLE	EXTRUDED ALUMINUM	1764	26	36	6.5	52	3.3	601	0.05	1
LV-6	GREENHECK	ESD-635HP	INERTA AREA OVEN #2 INTAKE	STATIONARY DRAINABLE	EXTRUDED ALUMINUM	1764	26	36	6.5	52	3.3	601	0.05	1
LV-7	GREENHECK	ESD-635HP	INERT AREA OVEN #3 INTAKE	STATIONARY DRAINABLE	EXTRUDED ALUMINUM	3360	36	40	10	58	5.7	610	0.06	1
LV-8	GREENHECK	EAC-601	EF-1	STATIONARY DRAINABLE	EXTRUDED ALUMINUM	600	20	24	3.3	34	1.1	536	0.05	1
LV-9	GREENHECK	XG-DGCO	CARBON LINER MIXING ROOM	STATIONARY DRAINABLE	EXTRUDED ALUMINUM	320	12	24	2	50	1	340	0.01	1
LV-10	GREENHECK	ESD-635HP	PRE-HEAT OVEN INERT AREA INTAKE	STATIONARY DRAINABLE	EXTRUDED ALUMINUM	1764	26	36	6.5	52	3.3	601	0.05	1

- NOTES:
- PROVIDE WITH BIRDSCREEN.

AIR TERMINAL DEVICE SCHEDULE											
MARK	SERVICE	DESCRIPTION	MATERIAL	NECK SIZE	FACE SIZE	MAXIMUM THROW (FT)	MAXIMUM NOISE CRITERIA	MAXIMUM FLOW (CFM)	MANUFAC TURER	MODEL	NOTES
A1	SUPPLY AIR	ROUND CONE DIFFUSER	ALUMINUM	14"	N/A	13	28 NC	850	PRICE	RCD	
A2	SUPPLY AIR	ROUND CONE DIFFUSER	ALUMINUM	12"	N/A	15	31 NC	705	PRICE	RCD	
A3	SUPPLY AIR	SIDEWALL GRILLE	ALUMINUM	N/A	24"x6"	30	-	321	PRICE	150 SERIES	
A4	SUPPLY AIR	SQUARE CONE DIFFUSER	ALUMINUM	VARIABLES	24"x24"	10	20 NC	300	PRICE	SCD	1
A6	SUPPLY AIR	ROUND CONE DIFFUSER	ALUMINUM	18"	N/A	17	26 NC	1240	PRICE	RCD	
A8	SUPPLY AIR	ROUND CONE DIFFUSER	ALUMINUM	8"	N/A	8	20 NC	250	PRICE	RCD	
B1	RETURN AIR	SIDEWALL GRILLE	ALUMINUM	N/A	18"x10"	N/A	20 NC	700	PRICE	610Z	
B2	RETURN AIR	SIDEWALL GRILLE	ALUMINUM	N/A	30"x14"	N/A	-	1112	PRICE	90 SERIES	
B3	<varies>	<varies>	ALUMINUM	<varies>	<varies>	<varies>	<varies>	<varies>	PRICE	610Z	
B4	RETURN AIR	PERFORATED FACE	ALUMINUM	VARIABLES	24"x24"	N/A	20 NC	700	PRICE	PDDR	1
C1	EXHAUST AIR	EGGGRATE GRILLE	ALUMINUM	VARIABLES	24"x24"	N/A	20 NC	300	PRICE	80 SERIES	1
D	SUPPLY AIR	SIDEWALL	ALUMINUM	N/A	18"x12"	<varies>	<varies>	<varies>	PRICE	150 SERIES	
E2	EXHAUST AIR	SIDEWALL	ALUMINUM	N/A	12"x12"	N/A	-	450	PRICE	80 SERIES	
S1	SUPPLY AIR	SIDEWALL	ALUMINUM	N/A	VARIABLES	VARIABLES	VARIABLES	VAIRES	PRICE	150 SERIES	

- NOTES:
- SEE AIR DEVICE NECK SIZE SCHEDULE BELOW FOR NECK SIZES.

AIR DEVICE NECK SIZE SCHEDULE	
CFM RANGE	NECK SIZE
0 - 120	6" ROUND
121 - 250	8" ROUND
251 - 350	10" ROUND
351 - 500	12" ROUND
501 - 650	14" ROUND
651 - 990	16" ROUND

BOWL WATER HEATER SCHEDULE							
Mark	MANUFACTURER / MODEL NO	DESCRIPTION	KW	PUMP MOTOR (HP)	V/PH/HZ	WT (LBS)	NOTES
WH-1	CHROMALOX / MICROTHERM CMX-250-24	ELECTRIC POWERED PROCESS WATER HEATER	24	3/4	480/3/60	200	ALL

- NOTES:
- INSTALL PER MANUFACTURER INSTRUCTIONS. PROVIDE CONNECTIONS AND TRANSITIONS AS REQUIRED TO SERVE EQUIPMENT PER OWNER'S INSTRUCTIONS.

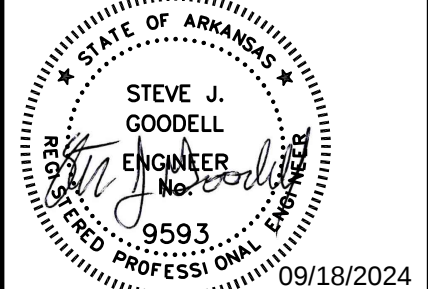
ELECTRIC UNIT HEATER SCHEDULE							
Mark	MANUFACTURER / MODEL NO	DESCRIPTION	WATTS	AMPS	V/PH/HZ	WT (LBS)	NOTES
EUH-1	BERKO / QCH1151F	CEILING MOUNTED FAN-FORCED HEATER	750	6.3	120/1/60	10	ALL
EUH-2	BERKO / QCH1151F	CEILING MOUNTED FAN-FORCED HEATER	750	6.3	120/1/60	10	ALL

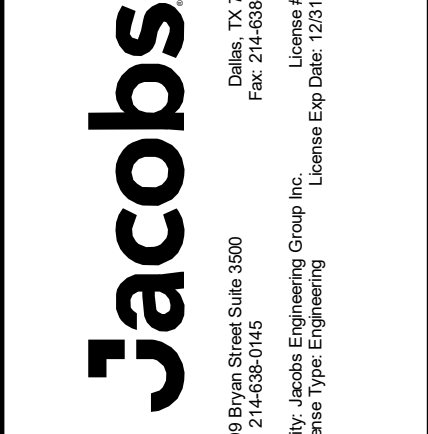
- NOTES:
- INSTALL PER MANUFACTURER INSTRUCTIONS.
 - PROVIDE THIS MANUFACTURER/MODEL OR EQUIVALENT UNIT THAT MEETS PERFORMANCE.

HPU SCHEDULE							
EQUIPMENT NUMBER	LOCATION	DESCRIPTION	PRESSURE (PSI)	PRESSURE SWITCH (PSI)	RELIEF VALVE (PSI)	HP (EA.)	REMARKS
HPU-1	UTILITY RM	HYDRAULIC POWER UNIT FOR BOWL LIFT	1100	1150	1350	7.5	ALL NOTES BELOW

DAMPER SCHEDULE												
MARK	MANUFACTURER	MODEL	LOCATION	SERVICE	DESCRIPTION	START TO OPEN PRESSURE (IN.WG.)	CFM	VELOCITY (FPM)	UNIT DIMENSTIONS (IN)			NOTES
									DEPTH	WIDTH	HEIGHT	
RD-1	GREENHECK	BR-30	LV-1	INERT AREA RELIEF	BAROMETRIC RELIEF DAMPER	+0.05	5680	422	5	44	44	1
RD-2	GREENHECK	BR-30	LV-2	INERT AREA RELIEF	BAROMETRIC RELIEF DAMPER	+0.05	5680	422	5	44	44	1
RD-3	GREENHECK	BR-30	LV-3	INERT AREA INTAKE	BAROMETRIC INTAKE DAMPER	-0.05	5680	422	5	44	44	1
RD-4	GREENHECK	BR-30	LV-4	INERT AREA INTAKE	BAROMETRIC INTAKE DAMPER	-0.05	5680	422	5	44	44	1

- NOTES:
- CFM AND VELOCITY ARE ESTIMATES AND WILL VARY DEPENDING ON ACTUAL BUILDING PRESSURE, SUPPLY AIRFLOW, AND BUILDING LEAKAGE.





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