MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT								POWER SUPPLY					CONTROL DEVICES																			
ITEM DESIGNATION	ITEM NAME	ROOM/LOCATION	HP	kW	AMPS	PHASE	VOLTAGE	SOURCE	CIRCUIT BREAKER	CONDUCTOR SIZE (AWG) COPPER	GROUND SIZE (AWG) COPPER	RACEWAY SIZE	DISCONNECT SWITCH SWITCH AMPS	DISCONNECT SWITCH FUSE AMPS	DISCONNECT SWITCH LOCATION	PACKAGED CONTROL UNIT (SUPPLIDED B OTHERS)	STARTER NEMA SIZE	MANUAL MOTOR STARTER - THERMAL SWITCH	MAGNETIC MOTOR STARTER	COMBINATION MAGNETIC STARTER	THERMAL OVERLOAD SWITCH	COMBINATION FULL VOLTAGE STARTER/DISCONNECT SWITCH	START/STOP PUSH BUTTON IN COVER	PILOT LIGHT IN COVER	THERMOSTAT CONNECTION	DISCONNECT AT UNIT (SUPPLIED BY OTHERS)	AQUASTAT CONNECTON	MOTORIZED DAMPER CONNECTION	DUCT SMOKE DETECTOR W/TEST STATION	FIRE ALARM FAN SHUTDOWN	VARIABLE FREQUENCY DRIVE	NOTES
AHU-1	AIR HANDLING UNIT No.1	MECH. ROOM M116	15		22.5	3	480	HMP1 (7,9,11)	40A/3P	(3)#8	#8	3/4"				X													X	X	X	2,5
AHU-2	AIR HANDLING UNIT No.2	MECH. ROOM M116	1		3.8	3	480	HMP1 (8,10,12)	15A/3P	(3)#12	#12	3/4"				X													X	X	X	2,5
ACCU-1	AIR COOLED CONDENSING UNIT	OUTDOOR			48.5	3	480	HMP1 (19,21,23)	60A/3P	(3)#4	#10	1-1/4"				X																2,5
ACCU-2	AIR COOLED CONDENSING UNIT	OUTDOOR			30.1	1	208	LPP2 (5,7)	50A/2P	(3) #6	#10	1"				X																2,5
ACCU-3	AIR COOLED CONDENSING UNIT	OUTDOOR			30.1	1	208	LPP7 (18,20)	50A/2P	(2) #6	#10	1"				X																2,5
ACCU-4	AIR COOLED CONDENSING UNIT	OUTDOOR			16.8	1	208	LPP7 (22,24)	25A/2P	(2)#10	#10	3/4"		N/A		X																2,5
ACCU-5	AIR COOLED CONDENSING UNIT	OUTDOOR			16.8	1	208	LPP1 (29,31)	25A/2P	(2)#10	#10	3/4"				X																2,5
ACCU-6	AIR COOLED CONDENSING UNIT	OUTDOOR			17.0	1	208	LPP1 (33,35)	30A/2P	(2)#10	#10	3/4"				X																2,5
FCU-1	FAN COIL UNIT	LOCKERS A140			21.0	1	115	LPP7 (21)	30A/1P	(2)#10	#10	3/4"				X																2,5
IACU-1	INDOOR AIR CONDITIONING UNIT No.1	IT A127			0.38	1	208		15A/2P	(2)#12	#12	3/4"				X																2,5
IACU-2	INDOOR AIR CONDITIONING UNIT No.2	IT/WIRING ROOM M129			0.38	1	208		15A/2P	(2)#12	#12	3/4"				X																2,5
IACU-3	INDOOR AIR CONDITIONING UNIT No.3	FARE COL & VAULT M125				1	208	ACCU-6		(2) #12	#12	3/4"	30A		AT UNIT	UNIT POWERED FROM OUTDOOR ACCU-6																1,2
UH-1	UNIT HEATER No.1	PARTS STORAGE M123	1/30		1	1	115	LPP8 (7)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-2	UNIT HEATER No.2	PARTS STORAGE M123	1/30		1	1	115	LPP8 (9)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-3	UNIT HEATER No.3	RECEIVING M122	1/30		1	1	115	LPP8 (15)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-4	UNIT HEATER No.4	RECEIVING M122	1/30		1	1	115	LPP8 (17)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-5	UNIT HEATER No.5	PARTS STORAGE M123	1/30		1	1	115	LPP8 (19)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-6	UNIT HEATER No.6	TIRE STORAGE M124	1/30		1	1	115	LPP8 (21)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-7	UNIT HEATER No.7	TIRE STORAGE M124	1/30		1	1	115	LPP8 (23)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-8	UNIT HEATER No.8	BATTERY M121	1/30		1	1	115	LPP8 (8)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-9	UNIT HEATER No.9	GROUNDS M120	1/10		0.5	1	115	LPP8 (10)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-10	UNIT HEATER No.10	LUBE ROOM M118	1/10		0.5	1	115	LPP1 (9)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-11	UNIT HEATER No.11	LUBE ROOM M118	1/15		0.5	1	115	LPP1 (18)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-12	UNIT HEATER No.12	ELECTRIC ROOM M117	1/10		0.5	1	115	LPP1 (20)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-13	UNIT HEATER No.13	MECH RM M134	1/15		0.5	1	115	LPP1 (22)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-14	UNIT HEATER No.14	MECH RM M134	1/15		0.5	1	115	LPP1 (24)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-15	UNIT HEATER No.15	TOOL STORAGE 3 M103	1/30		0.5	1	115	LPP1 (26)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-16	UNIT HEATER No.16	TOOL STORAGE 3 M101	1/30		0.5	1	115	LPP4 (27)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-17	UNIT HEATER No.17	COMMON WORK AREA M113	1/30		0.5	1	115	LPP4 (29)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-18	UNIT HEATER No.18	COMMON WORK AREA M113	1/30		0.5	1	115	LPP4 (31)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-19	UNIT HEATER No.19	VACCUUM M128	1/30		0.5	1	115	LPP8 (12)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-20	UNIT HEATER No.20	COMPRESSOR ROOM M133	1/30		0.5	1	115	LPP8 (14)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-21	UNIT HEATER No.21	MECH RM M134	1/30		0.5	1	115	LPP8 (16)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-22	UNIT HEATER No.22	WATER RECYCLING M135	1/30		0.5	1	115	LPP8 (18)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-23	UNIT HEATER No.23	WATER RECYCLING M135	1/30		0.5	1	115	LPP8 (20)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-24	UNIT HEATER No.24	FIRE PUMP ROOM M135A	1/30		0.5	1	115	LPP8 (22)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-25	UNIT HEATER No.25	CHASSIS WASH M1	1/15		0.5	1	115	LPP9 (20)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-26	UNIT HEATER No.26	CHASSIS WASH M1	1/15		0.5	1	115	LPP9 (22)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-27	UNIT HEATER No.27	CHASSIS WASH M1	1/15		0.5	1	115	LPP9 (24)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-28	UNIT HEATER No.28	CHASSIS WASH M1	1/15		0.5	1	115	LPP9 (26)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-29	UNIT HEATER No.29	AISLE S2A	1/6		4.4	1	115	LPP8 (34)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-30	UNIT HEATER No.30	AISLE S2A	1/6		4.4	1	115	LPP8 (36)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-31	UNIT HEATER No.31	SERVICE LANE S2	1/15		0.5	1	115	LPP8 (38)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-32	UNIT HEATER No.32	SERVICE LANE S2	1/15		0.5	1	115	LPP8 (40)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-33	UNIT HEATER No.33	SERVICE LANE S2	1/15		0.5	1	115	LPP8 (37)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-34	UNIT HEATER No.34	SERVICE LANE S2	1/15		0.5	1	115	LPP8 (39)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-35	UNIT HEATER No.35	SERVICE LANE S1	1/15		0.5	1	115	LPP9 (17)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-36	UNIT HEATER No.36	SERVICE LANE S1	1/15		0.5	1	115	LPP9 (19)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-37	UNIT HEATER No.37	SERVICE LANE S1	1/6		3.2	1	115	LPP9 (21)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-38	UNIT HEATER No.38	SERVICE LANE S1	1/6		3.2	1	115	LPP9 (23)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-39	UNIT HEATER No.39	AISLE M9A	1/10		0.5	1	115	LPP9 (25)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-40	UNIT HEATER No.40	TIRE BAY M3	1/10		0.5	1	115	LPP9 (27)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-41	UNIT HEATER No.41	REPAIR BAY M5	1/10		0.5	1	115	LPP5 (10)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-42	UNIT HEATER No.42	REPAIR BAY M7	1/10		0.5	1	115	LPP5 (12)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-43	UNIT HEATER No.43	AISLE M9B	1/10		0.5	1	115	LPP5 (14)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-44	UNIT HEATER No.44	AISLE M9B	1/10		0.5	1	115	LPP5 (16)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
UH-45	UNIT HEATER No.45	AISLE M9A	1/10		0.5	1	115	LPP9 (28)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
OHD-1	OVERHEAD DOOR	INSPECTION BAY M8	3		4.8	3	480	HPP2 (20,22,24)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
OHD-2	OVERHEAD DOOR	REPAIR BAY M7	3		4.8	3	480	HPP2 (26,28,30)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
OHD-3	OVERHEAD DOOR	REPAIR BAY M6	3		4.8	3	480	HPP2 (32,34,36)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
OHD-4	OVERHEAD DOOR	REPAIR BAY M5	3		4.8	3	480	HPP2 (23,25,27)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
OHD-5	OVERHEAD DOOR	FUTURE M4	3		4.8	3	480	HPP2 (29,31,33)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
OHD-6	OVERHEAD DOOR	TIRE BAY M3	3		4.8	3	480	HPP2 (35,37,39)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
OHD-7	OVERHEAD DOOR	HVAC BAY M2	3		4.8	3	480	HPP3 (19,21,23)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
OHD-8	OVERHEAD DOOR	CHASSIS WASH M1	3		4.8	3	480	HPP3 (25,27,29)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
OHD-9	OVERHEAD DOOR	SERVICE LANE S1A	3		4.8	3	480	HPP3 (14,16,18)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
OHD-10	OVERHEAD DOOR	SERVICE LANE S2	3		4.8	3	480	HPP3 (20,22,24)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
OHD-11	OVERHEAD DOOR	M122	3		4.8	3	480	HPP3 (26,28,30)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	9
HRU-1	HEAT RECOVERY UNIT-1 SF	OUTDOOR	(2)20			3	460		90A/3P	(3)#3	#8	1 1/2"																			X	6
HRU-1	HEAT RECOVERY UNIT-1 RF	OUTDOOR	(2)15			3	460		70A/3P	(3)#4	#8	1 1/2"																			X	6
HRU-2	HEAT RECOVERY UNIT-2 SF	OUTDOOR	(2)5			3	460		20A/3P	(3)#10	#10	3/4"																			X	6
HRU-2	HEAT RECOVERY UNIT-2 RF	OUTDOOR	(2)2			3	460		20A/3P	(3)#10	#10	3/4"																			X	6
HRU-1	HEAT RECOVERY UNIT No.1 BURNER	OUTDOOR			19	1	120		20A/1P	(2)#10	#10	3/4"																				7
HRU-2	HEAT RECOVERY UNIT No.2 BURNER	OUTDOOR			7	1	120		20A/1P	(2)#10	#10	3/4"																				7
EF-1	EXHAUST FAN No.1	MECH. RM M116	1		2.1	3	480	HMP1 (1,3,5)	15A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-2	EXHAUST FAN No.2	MECH. RM M116	1/2		9.8	1	115	LPP1 (7)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-3	EXHAUST FAN No.3	WATER RECYCLING M135	1/2		9.8	1	115	LPP8 (25)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-4	EXHAUST FAN No.4	WATER RECYCLING M135	2		3.4	3	480	HMP2 (7,9,11)	15A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-5	EXHAUST FAN No.5	COMMON AISLE M9	2		3.4	3	480	HMP1 (13,15,17)	15A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-6	EXHAUST FAN No.6	COMMON AISLE M9	5		7.6	3	480	HMP2 (1,3,5)	15A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-7	EXHAUST FAN No.7	COMMON AISLE M9	5		7.6	3	480	HMP1 (14, 16,18)	15A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-8	EXHAUST FAN No.8	SERVICE LANE S1	3		4.8	3	480	HMP2 (2,4,6)	15A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-9	EXHAUST FAN No.9	BY-PASS LANE S1	1/2		9.8	1	115	HMP2 (8,10,12)	15A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-10	EXHAUST FAN No.10	BY-PASS LANE S1	3/4		13.6	1	115	HMP2 (14,16,18)	15A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-11	EXHAUST FAN No.11	BY-PASS LANE S1	1/2		9.8	1	115	HMP2 (20,22,24)	15A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																X	2,5,8
EF-12	EXHAUST FAN No.12	BY-PASS LANE S1	1/2		9.8	1	115	HMP2 (13,15,17)	15A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	
RAF-1	RELIEF AIR FAN	MECHANICAL ROOM M116	3		4.8	3	480	HMP1 (2,4,6)	15A/3P	(3)#12	#12	3/4"	30A		AT UNIT																	2
HWB-1	BOILER No.1	MECH. RM M134			13	1	120	LPP8 (27)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	
HWB-2	BOILER No.2	MECH. RM M134			13	1	120	LPP8 (29)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	
HWB-3	BOILER No.3	MECH. RM M134			13	1	120	LPP8 (31)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	
HWP-1	PUMP No.1	MECH. RM M134	5		7.6	3	480	HMP2 (26,28,30)	15A/3P	(3)#12	#12	3/4"																			X	5
HWP-2	PUMP No.2	MECH. RM M134	5		7.6	3	480	HMP2 (32,34,36)	15A/3P	(3)#12	#12	3/4"																			X	5
HWP-3	PUMP No.3	MECH. RM M134	1/2		9.8	1	120	LPP8 (28)	20A/1P	(2)#12	#12	3/4"																			X	5
HWP-4	PUMP No.4	MECH. RM M134	1/2		9.8	1	120	LPP8 (30)	20A/1P	(2)#12	#12	3/4"																			X	5
HWP-5	PUMP No.5	MECH. RM M134	1/2		9.8	1	120	LPP8 (32)	20A/1P	(2)#12	#12	3/4"																			X	5
DWH-1	DOMESTIC WATER HEATER	MECH. RM M134			6.2	1	120	LPP8 (33)	20A/1P	(2)#12	#12	3/4"																				4
HWRP-1	HOT WATER CIRC PUMP	MECH. RM M134	1/25		0.84	1	120	LPP8 (35)	20A/1P	(2)#12	#12	3/4"																				
CUH-1	CABINET UNIT HEATER No.1	CORRIDOR M11	1/30		0.5	1	120	LPP1 (16)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
CUH-2	CABINET UNIT HEATER No.2	CORRIDOR M10	1/40		0.5	1	120	LPP5 (8)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
CUH-3	CABINET UNIT HEATER No.3	CORRIDOR M12	1/40		0.5	1	120	LPP1 (14)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
CUH-4	CABINET UNIT HEATER No.4	CORRIDOR M13	1/40		0.5	1	120	LPP1 (12)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	2
FP-1	FIRE PUMP	FIRE PUMP ROOM	100		124.0	3	480	SWBD-1		(3)#3/0	#6	2"	800A	NA		X																3
JP-1	JOCKEY PUMP	FIRE PUMP ROOM	1		2.1	3	480	HMP2 (38,40,42)	20A/3P	(3) #12	#12	3/4"				X																3
ICE	ICE MAKER	BREAK ROOM			19.0	1	208	LPP1 (2,4)	30A/2P	(2)#10	#10	3/4"																				
EWC	ELECTRIC WATER COOLER	CORRIDOR			9.0	1	120	LPP1 (32)	20A/1P	(2) #12	#12	3/4"																				2,4

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

1. THE INDOOR UNIT SHALL BE POWERED FROM OUTDOOR ACCU.
2. PROVIDE HACR TYPE CIRCUIT BREAKER
3. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL WIRING REQUIREMENTS FOR FIRE PUMP & JOCKEY PUMP.
4. PROVIDE (1) 20A GFCI RECEPTACLE, RECEPTACLE SHALL SERVICE AS DISCONNECTING MEANS.
5. VARIABLE FREQUENCY DRIVE SUPPLIED WITH EQUIPMENT INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR. FIELD VERIFY LOCATIONS OF EQUIPMENT WITH AVAILABLE CLEARANCES FOR INSTALLATION.
6. VARIABLE FREQUENCY DRIVE PROVIDED WITH UNIT.
7. PROVIDE INTERCONNECTIONS FOR LIGHTING, RECEPTACLES AND SWITCHES PROVIDED AND INSTALLED IN SECTIONS OF THIS EQUIPMENT. ALL WIRING IS TO BE INSTALLED THROUGH UNITS IN CONDUIT.
8. PROVIDE INTERCONNECT FROM VFD TO ASSOCIATED LOUVER FOR OPENING OF LOUVER UPON FAN ACTIVATION.
9. INSTALL INTERIOR AND EXTERIOR DOOR OPERATORS AS SPECIFIED AND PROVIDED WITH OVERHEAD. PROVIDE ALL INTERCONNECTIONS AS REQUIRED FOR PROPER OPERATION.

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COMMONWEALTH OF VIRGINIA
PETER T. VOMSCHEIDT, SR.
Lic. No. 042131
PROFESSIONAL ENGINEER

Revision Number	Issued by	Revision Description	Revision Date

DWG. TITLE

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

DATE 09/24/2014
SCALE AS NOTED
DWN. RB CHK. PTV
PROJ. No. 444505
DWG. No.

E501

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SHOP EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT								POWER SUPPLY					CONTROL DEVICES																			
ITEM DESIGNATION	ITEM NAME	ROOM/LOCATION	HP	kW	AMPS	PHASE	VOLTAGE	SOURCE	CIRCUIT BREAKER	CONDUCTOR SIZE (AWG) COPPER	GROUND SIZE (AWG) COPPER	RACEWAY SIZE	DISCONNECT SWITCH SWITCH AMPS	DISCONNECT SWITCH FUSE AMPS	DISCONNECT SWITCH LOCATION	PACKAGED CONTROL UNIT (SUPPLIED B OTHERS)	STARTER NEMA SIZE	MANUAL MOTOR STARTER - THERMAL SWITCH	MAGNETIC MOTOR STARTER	COMBINATION MAGNETIC STARTER	THERMAL OVERLOAD SWITCH	COMBINATION FULL VOLTAGE STARTER/DISCONNECT SWITCH	START/STOP PUSH BUTTON IN COVER	PILOT LIGHT IN COVER	RECEPTACLE (NEMA TYPE)	DISCONNECT AT UNIT (SUPPLIED BY OTHERS)	AQUASTAT CONNECTON	MOTORIZED DAMPER CONNECTIO	DUCT SMOKE DETECTOR W/TEST STATION	FIRE ALARM FAN SHUTDOWN	VARIABLE FREQUENCY DRIVE	NOTES
2080	8" BUFFER/GRINDER	COMMON WORK AREA M113	1.25		3	3	480	HPP2 (2,4,6)	15A/3P	(3)#12	#12	3/4"	30A	5	AT UNIT																	
2080	8" BUFFER/GRINDER	COMMON WORK AREA M113	1.25		3	3	480	HPP2 (8,10,12)	15A/3P	(3)#12	#12	3/4"	30A	5	AT UNIT																	
2130	BATTERY CHARGER	BATTERY M121			10	1	120	LPPI (30)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
2210	DRILL PRESS	COMMON WORK AREA M113	3/4		13.8	1	120	LPP5 (22)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
2270	ABRASIVE BLASTING CABINET	COMMON WORK AREA M13			7.0	1	120	LPP5 (26)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
2450	MOUNTER/DEMOUNTER TIRE	TIRE STORAGE M124		3.2		3	208	LPP9 (3,5,7)	15A/3P	(3)#12	#12	3/4"	30A		AT UNIT																	
2535	PRESS	COMMON WORK AREA M113	7.5		11	3	480	HPP2 (5,7,9)	20A/3P	(3)#12	#12	3/4"	30A	15A	AT UNIT																	
2640	REFRIGERANT RECLAMATION SYS	AISLE M9A	1		16	1	120	LPP9 (8)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
2640	REFRIGERANT RECLAMATION SYS	AISLE M9A	1		16	1	120	LPP9 (10)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
2690	SAW	COMMON WORK AREA M113	1/2		7.2	1	120	LPP5 (24)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
2714	ABRASIVE METAL MITRE SAW	COMMON WORK AREA M113	5		17.2	3	208	LPP5 (31,33,35)	30A/3P	(3)#10	#10	3/4"													15-30R							1,2
2715	ABRASIVE METAL MITRE SAW	COMMON WORK AREA M113			10	1	120	LPP5 (37)	20A/1P	(2)#12	#12	3/4"													5-20R							
2900	WELDER RECEPTACLE	M3			48	1	208	LPP9 (34,36)	80A/2P	(2)#4	#8	1"													6-50R							1,2
2900	WELDER RECEPTACLE	M5			48	1	208	LPP4 (37,39)	80A/2P	(2)#4	#8	1"													6-50R							1,2
2900	WELDER, MIG, PORTABLE	SPEC. TOOLS M100			48	1	208	LPP5 (19,21)	80A/2P	(2)#4	#8	1"													6-50R							1,2
2901	WELDER	SPEC. TOOLS M100			48	1	208	LPP5 (23,25)	80A/2P	(2)#4	#8	1"													6-50R							1,2
2925	PLASMA CUTTER, PORTABLE	SPEC. TOOLS M100			47	1	208	LPP5 (27,29)	80A/2P	(2)#4	#8	1"													6-50R							1,2
3304	EXHAUST EXTRACTION REEL FAN	HVAC BAY M2		0.325		3	208	LPP4 (2,4,6)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	3,5
3304	EXHAUST EXTRACTION REEL FAN	TIRE BAY M3		0.325		3	208	LPP4 (8,10,12)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	3,5
3304	EXHAUST EXTRACTION REEL FAN	FUTURE M4		0.325		3	208	LPP4 (14,16,18)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	3,5
3304	EXHAUST EXTRACTION REEL FAN	REPAIR BAY M5		0.325		3	208	LPP4 (20,22,24)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	3,5
3304	EXHAUST EXTRACTION REEL FAN	REPAIR BAY M6		0.325		3	208	LPP4 (26,28,30)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	3,5
3304	EXHAUST EXTRACTION REEL FAN	REPAIR BAY M7		0.325		3	208	LPP4 (32,34,36)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	3,5
3304	EXHAUST EXTRACTION REEL FAN	INSPECTION BAY M8		0.325		3	208	LPP4 (38,40,42)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	3,5
3304	EXHAUST EXTRACTION REEL MOTOR	HVAC BAY M2			3	1	120	LPP4 (7)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	4,5
3304	EXHAUST EXTRACTION REEL MOTOR	TIRE BAY M3			3	1	120	LPP4 (9)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	4,5
3304	EXHAUST EXTRACTION REEL MOTOR	FUTURE M4			3	1	120	LPP4 (11)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	4,5
3304	EXHAUST EXTRACTION REEL MOTOR	REPAIR BAY M5			3	1	120	LPP4 (13)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	4,5
3304	EXHAUST EXTRACTION REEL MOTOR	REPAIR BAY M6			3	1	120	LPP4 (15)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	4,5
3304	EXHAUST EXTRACTION REEL MOTOR	REPAIR BAY M7			3	1	120	LPP4 (17)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	4,5
3304	EXHAUST EXTRACTION REEL MOTOR	INSPECTION BAY M8			3	1	120	LPP4 (19)	20A/1P	(2)#12	#12	3/4"	30A	N/A	AT UNIT																	4,5
3357	FLOOR SCRUBBER, BATTERY	CUSTODIAL M106			30	1	120	LPP9 (1)	40A/1P	(2)#8	#8	3/4"																				1,2
3560	DEGREASER/PARTS CLN STATION	MACHINE M105			52	3	208	LPP5 (28,30,32)	90A/3P	(3)#3	#3	1 1/2"	100A	N/A	AT UNIT																	
3624	PORTABLE VACUUM SYSTEM	COMMON WORK AREA M113	10.8	1.3		1	120	LPP2 (1)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
3624	PORTABLE VACUUM SYSTEM	COMMON WORK AREA M113	10.8	1.3		1	120	LPP2 (3)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
3624	PORTABLE VACUUM SYSTEM	WORK AREA M128A	10.8	1.3		1	120	LPP8 (24)	20A/1P	(2)#12	#12	3/4"													5-20R							
3624	PORTABLE VACUUM SYSTEM	WORK AREA M128A	10.8	1.3		1	120	LPP8 (26)	20A/1P	(2)#12	#12	3/4"													5-20R							
3720	PRESSURE WASHER	CHASSIS WASH M1			21	3	480	HPP3 (8,10,12)	50A/3P	(3)#6	#6	1"	60A	N/A	AT UNIT																	9
3785	PARTS WASHER	INSPECTION BAY M8			1	1	120	LPP4 (21)	20A/1P	(2)#12	#12	3/4"													5-20R							6
3785	PARTS WASHER	REPAIR BAY M6			1	1	120	LPP4 (23)	20A/1P	(2)#12	#12	3/4"													5-20R							6
3785	PARTS WASHER	FUTURE M4			1	1	120	LPP4 (25)	20A/1P	(2)#12	#12	3/4"													5-20R							6
3901	WASHER	SERVICE LANE S2																														
3936	WATER RECLAMATION SYS	WATER RECYCLING M135			1	3	480	HPP3 (13,15,17)	60A/3P	(3)#6	#6	1"	60A	N/A	AT UNIT																	9
4913	WHEEL BALANCER	TIRE STORAGE M124			6.9	3	208	LPP9 (2,4,6)	20A/3P	(3)#12	#12	3/4"													15-20R							1,2
5362	HOIST	HVAC BAY M2			1.1	3	480	HPP3 (2,4,6)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	
5600	PORTABLE LIFT	FUTURE M4			10	1	120	LPP9 (9)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
5600	PORTABLE LIFT	FUTURE M4			10	1	120	LPP9 (11)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
5600	PORTABLE LIFT	FUTURE M4			10	1	120	LPP9 (13)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
5600	PORTABLE LIFT	FUTURE M4			10	1	120	LPP9 (15)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
5600	PORTABLE LIFT	REPAIR BAY M5			10	1	120	LPP9 (12)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
5600	PORTABLE LIFT	REPAIR BAY M5			10	1	120	LPP9 (14)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
5600	PORTABLE LIFT	REPAIR BAY M5			10	1	120	LPP9 (16)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
5600	PORTABLE LIFT	REPAIR BAY M5			10	1	120	LPP9 (18)	20A/1P	(2)#12	#12	3/4"													5-20R							1,2
5650	LIFT AXLE	TIRE BAY M3			16	3	480						30A	N/A	AT UNIT																	8
5650	LIFT AXLE	REPAIR BAY M6			16	3	480						30A	N/A	AT UNIT																	8
5650	LIFT AXLE	REPAIR BAY M7			16	3	480						30A	N/A	AT UNIT																	8
5651	LIFT CONSOLE	REPAIR BAY M6				3	480	HPP2 (11,13,15)	20A/3P	(3)#12	#12	3/4"																				7
5651	LIFT CONSOLE	REPAIR BAY M7				3	480	HPP2 (17,19,21)	20A/3P	(3)#12	#12	3/4"																				7
5651	LIFT CONSOLE	TIRE BAY M3				3	480	HPP3 (1,3,5)	20A/3P	(3)#12	#12	3/4"																				7
5653	LIFT CONSOLE	INSPECTION BAY M8				3	480	HPP2 (14,16,18)	20A/3P	(3)#12	#12	3/4"																				7
5652	LIFT AXLE	INSPECTION BAY M8			16	3	208	LPP2 (6,8,10)	40A/3P	(3)#8	#8	1"	30A	N/A	AT UNIT																	8
5703W	LIFT, DRIVE ON	CHASSIS WASH M1			27	3	480						30A	N/A	AT UNIT																	8
5704W	LIFT CONSOLE	CHASSIS WASH M1			27	3	480	HPP3 (7,9,11)	50A/3P	(3)#6	#6	1"	60A	N/A	AT UNIT																	7
7820	COLLECTION & REPORTING SYSTEM	FARE COLLECTION M125			10	1	120	LPP10 (10)	20A/1P	(2)#12	#12	3/4"													5-20R							
8121	BUS TIRE CAROUSEL	TIRE STORAGE M124			12	3	208	LPP5 (36,38,40)	20A/3P	(3)#12	#12	3/4"	30A	N/A	AT UNIT																	
8492	OIL FILTER PRESS	SPEC. TOOLS M100			10	1	120	LPP5 (20)	20A/1P	(2)#12	#12	3/4"																				1,2
9350	FILTER, ELECTROSTATIC	COMMON WORK AREA M113		0.75		1	120	LPP5 (34)	20A/1P	(2)#12	#12	3/4"																				
C-1A	AIR COMPRESSOR		30			3	480	HMP2 (19,21,23)	80A/3P	(3)#3	#8	1-1/4"	100A	80A	AT UNIT																	
C-1B	AIR COMPRESSOR		30			3	480	HMP2 (25,27,29)	80A/3P	(3)#3	#8	1-1/4"	100A	80A	AT UNIT																	

EQUIPMENT CONNECTION SCHEDULE NOTES

1. RECEPTACLE SHALL SERVE AS DISCONNECTING MEANS
2. VERIFY RECEPTACLE NEMA CONFIGURATION WITH SUPPLIED EQUIPMENT. PROVIDE AS REQUIRED.
3. PROVIDE CONNECTION TO CONTROL BOX AND CONTROL BOX TO FAN MOTOR. PROVIDE INTERCONNECTIONS FROM CONTROL BOX TO MICROSWITCH
4. PROVIDE CONNECTION TO CONTROL BOX.
5. PROVIDE ALL REQUIRED INTERCONNECTIONS FOR REEL FAN, REEL MOTOR AND MICROSWITCH.
6. PROVIDE 20 AMP DUPLEX RECEPTACLE MOUNTED ON ADJACENT COLUMN.
7. EXTEND FEEDERS FROM CONSOLE TO LIFT EQUIPMENT . CONDUIT TO BE INSTALLED IN SLAB TO CONSOLE AND LIFT EQUIPMENT PER SELECTECTED MANUFACTURERS REQUIREMENTS.
8. FEEDER EXTENDED FROM CONSOLE REFER TO NOTE 7 ON THIS DRAWING.
9. PROVIDE NEMA 4X ENCLOSURE FOR THIS EQUIPMENT.

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COMMONWEALTH OF VIRGINIA
PETER T. VOMSCHEIDT, SR.
Lic. No. 042131
PROFESSIONAL ENGINEER

Revision Number	Issued by	Revision Description	Revision Date

DWG. TITLE

EQUIPMENT CONNECTION SCHEDULE

DATE	09/24/2014		
SCALE	AS NOTED		
DWN.	VB	CHK.	PTV
PROJ. No.	444505		
DWG. No.	E502		

DATE/TIME PRINTED: 9/23/2014 8:20:16 PM FILEPATH: P:\444505 GLTC OM SCHEMATIC DESIGN\6 CAD\DWG\ELEC\COMPOSITE\E502

PANELBOARD SCHEDULE

PANELBOARD NAME: **H-WASH** — VOLTS: **480** V — MIN. BUS RATING: **400** A — MCB: A — MLO: **400** A — 3Ø 4-WIRE — AIC: **42 kA** — MTG: **SURFACE** — ENCL: **NEMA 1** — LOCATION: **WATER RECYCLING M135**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1			PWR	5540	40165			34625	PWR			2
3	20A/3P	WASH CONTROL PANEL	PWR	5540		40165		34625	PWR	PUMP CONTROL PANEL	125A/3P	4
5			PWR	5540			40165	34625	PWR			6
7			PWR	34625	34625					SPARE	20A/1P	8
9	125A/3P	PUMP CONTROL PANEL	PWR	34625		34625				SPARE	20A/1P	10
11			PWR	34625			34625			SPARE	20A/1P	12
13		SPACE			0					SPACE		14
15		SPACE				0				SPACE		16
17		SPACE					0			SPACE		18
19		SPACE			0					SPACE		20
21		SPACE				0				SPACE		22
23		SPACE					0			SPACE		24
25		SPACE			0					SPACE		26
27		SPACE				0				SPACE		28
29		SPACE					0			SPACE		30
31		SPACE			0					SPACE		32
33		SPACE				0				SPACE		34
35		SPACE					0			SPACE		36
37		SPACE			0					SPACE		38
39		SPACE				0				SPACE		40
41		SPACE					0			SPACE		42

PANELBOARD SCHEDULE

PANELBOARD NAME: **HPP1** SPARE PANELBOARD — VOLTS: **480** V — MIN. BUS RATING: **225** A — MCB: A — MLO: **225** A — 3Ø 4-WIRE — AIC: **42 kA** — MTG: **SURFACE** — ENCL: **NEMA 1** — LOCATION: **ELECTRICAL ROOM M117**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	SPARE			0					SPARE	20A/2P	2
3	20A/1P	SPARE				0						4
5	20A/1P	SPARE					0					6
7	20A/1P	SPARE			0					SPARE	20A/3P	8
9	20A/1P	SPARE				0						10
11	20A/1P	SPARE					0			SPARE	20A/2P	12
13	20A/1P	SPARE			0							14
15	20A/1P	SPARE				0						16
17		SPACE					0			SPARE	20A/3P	18
19		SPACE			0							20
21		SPACE				0				SPACE		22
23		SPACE					0			SPACE		24
25		SPACE			0					SPACE		26
27		SPACE				0				SPACE		28
29		SPACE					0			SPACE		30
31		SPACE			0					SPACE		32
33		SPACE				0				SPACE		34
35		SPACE					0			SPACE		36
37		SPACE			0					SPACE		38
39		SPACE				0				SPACE		40
41		SPACE					0			SPACE		42

PANELBOARD SCHEDULE

PANELBOARD NAME: **HMP1** — VOLTS: **480** V — MIN. BUS RATING: **400** A — MCB: A — MLO: **400** A — 3Ø 4-WIRE — AIC: **42 kA** — MTG: **SURFACE** — ENCL: **NEMA 1** — LOCATION: **ELECTRICAL ROOM M117**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1			HVAC	444	1774			1330	HVAC			2
3	15A/3P	EF-1 M116	HVAC	444		1774		1330	HVAC	RAF-1 M116	15A/3P	4
5			HVAC	444			1774	1330	HVAC			6
7			HVAC	6233	6815			582	HVAC			8
9	30A/3P	AHU-1 M116	HVAC	6233		6815		582	HVAC	AHU-2 M116	15A/3P	10
11			HVAC	6233			6815	582	HVAC			12
13			HVAC	942	3047			2105	HVAC			14
15	15A/3P	EF-5 M9	HVAC	942		3047		2105	HVAC	EF-7 M9	15A/3P	16
17			HVAC	924			3029	2105	HVAC			18
19			HVAC	13434	17589			4155	HVAC			20
21	60A/3P	ACCU-1	HVAC	13434		17589		4155	HVAC	HRU-2	20A/3P	22
23			HVAC	13434			17589	4155	HVAC			24
25			HVAC	14958	16897			1939	HVAC			26
27	90A/3P	HRU-1	HVAC	14958		16897		1939	HVAC	HRU-2	20A/3P	28
29			HVAC	14958			16897	1939	HVAC			30
31			HVAC	11634	11634					SPARE	20A/1P	32
33	70A/3P	HRU-1	HVAC	11634		11634				SPARE	20A/1P	34
35			HVAC	11634			11634			SPARE	20A/1P	36
37		SPACE			0					SPACE		38
39		SPACE				0				SPACE		40
41		SPACE					0			SPACE		42

PANELBOARD SCHEDULE

PANELBOARD NAME: **IT/COMM** — VOLTS: **208** V — MIN. BUS RATING: **100** A — MCB: — MLO: **100** A — 3Ø 4-WIRE — AIC: **22kA** — MTG: **SURFACE** — ENCL: **NEMA 1** — **PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE** — LOCATION: **IT/ROOM A127**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	RECEPTACLES A127	REC	360	720			360	REC	RECEPTACLES A127	20A/1P	2
3	20A/1P	RECEPTACLES A127	REC	360		720		360	REC	RECEPTACLES A127	20A/1P	4
5	20A/1P	RECEPTACLES A127	REC	360			540	180	REC	RECEPTACLES A127	20A/1P	6
7	20A/1P	RECEPTACLES A127	REC	180	360			180	REC	RECEPTACLES A127	20A/1P	8
9	20A/1P	RECEPTACLES A127	REC	180		360		180	REC	RECEPTACLES A127	20A/1P	10
11	20A/1P	RECEPTACLES A127	REC	180			180			SPARE	20A/1P	12
13		SPACE			0					SPARE	20A/1P	14
15		SPACE				0				SPARE	20A/1P	16
17		SPACE					0			SPARE	20A/1P	18
19		SPACE			0					SPACE		20
21		SPACE				0				SPACE		22
23		SPACE					0			SPACE		24
25		SPACE			0					SPACE		26
27		SPACE				0				SPACE		28
29		SPACE					0			SPACE		30
31		SPACE			0					SPACE		32
33		SPACE				0				SPACE		34
35		SPACE					0			SPACE		36
37		SPACE			0					SPACE		38
39		SPACE				0				SPACE		40
41		SPACE					0			SPACE		42

PANELBOARD SCHEDULE

PANELBOARD NAME: **HPP2** — VOLTS: **480** V — MIN. BUS RATING: **150** A — MCB: A — MLO: **150** A — 3Ø 4-WIRE — AIC: **42 kA** — MTG: **SURFACE** — ENCL: **NEMA 1** — LOCATION: **COMMON AISLE M9**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	SPARE			831			831	PWR			2
3	20A/1P	SPARE				831		831	PWR	GRINDER 2080	15A/3P	4
5			PWR	3047			3878	831	PWR			6
7	15A/3P	PRESS 2535	PWR	3047	3878			831	PWR			8
9			PWR	3047		3878		831	PWR	GRINDER 2080	15A/3P	10
11			PWR	4432			5263	831	PWR			12
13	20A/3P	LIFT CONSOLE 5651 M6	PWR	4432	8864			4432	PWR			14
15			PWR	4432		8864		4432	PWR	LIFT CONSOLE 5653 M8	20A/3P	16
17			PWR	4432			8864	4432	PWR			18
19	20A/3P	LIFT CONSOLE 5651 M7	PWR	4432	5762			1330	PWR			20
21			PWR	4432		5762		1330	PWR	OVERHEAD DOOR M8	20A/3P	22
23			PWR	1330			0	1330	PWR			24
25	20A/3P	OVERHEAD DOOR M5	PWR	1330	2660			1330	PWR			26
27			PWR	1330		2660		1330	PWR	OVERHEAD DOOR M7	20A/3P	28
29			PWR	1330			2660	1330	PWR			30
31	20A/3P	OVERHEAD DOOR M4	PWR	1330	2660			1330	PWR			32
33			PWR	1330		2660		1330	PWR	OVERHEAD DOOR M6	20A/3P	34
35			PWR	1330			2660	1330	PWR			36
37	20A/3P	OVERHEAD DOOR M3	PWR	1330	1330					SPARE	20A/1P	38
39			PWR	1330		1330				SPARE	20A/1P	40
41	20A/1P	SPARE					0			SPARE	20A/1P	42

PANELBOARD SCHEDULE

PANELBOARD NAME: **HMP2** — VOLTS: **480** V — MIN. BUS RATING: **225** A — MCB: A — MLO: **225** A — 3Ø 4-WIRE — AIC: **42 kA** — MTG: **SURFACE** — ENCL: **NEMA 1** — LOCATION: **MECH ROOM M134**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1			HVAC	2106	2937			831	HVAC			2
3	15A/3P	EF-6	HVAC	2106		2937		831	HVAC	EF-8	15A/3P	4
5			HVAC	2106			2937	831	HVAC			6
7			HVAC	942	1773			831	HVAC			8
9	15A/3P	EF-4	HVAC	942		1773		831	HVAC	EF-9	15A/3P	10
11			HVAC	942			1773	831	HVAC			12
13			HVAC	582	1413			831	HVAC			14
15	15A/3P	EF-12	HVAC	582		1413		831	HVAC	EF-10	15A/3P	16
17			HVAC	582			1413	831	HVAC			18
19			PWR	11080	11662			582	HVAC			20
21	80A/3P	C-1A COMPRESSOR	PWR	11080		11662		582	HVAC	EF-11	15A/3P	22
23			PWR	11080			11662	582	HVAC			24
25			PWR	11080	13185			2105	HVAC			26
27	15A/3P	C-1B COMPRESSOR	PWR	11080		13185		2105	HVAC	HWP-1	15A/3P	28
29			PWR	11080			13185	2105	HVAC			30
31	20A/1P	SPARE			2105			2105	HVAC			32
33	20A/1P	SPARE				2105		2105	HVAC	HWP-2	15A/3P	34
35	20A/1P	SPARE					2105	2105	HVAC			36
37	20A/1P	SPARE			582			582	PWR			38
39		SPACE				582		582	PWR	JOCKEY PUMP	20A/3P	40
41		SPACE					582	582	PWR			42

PANELBOARD SCHEDULE

PANELBOARD NAME: **HLP1** — VOLTS: **480** V — MIN. BUS RATING: **150** A — MCB: A — MLO: **150** A — 3Ø 4-WIRE — AIC: **42 kA** — MTG: **SURFACE** — ENCL: **NEMA 1** — LOCATION: **ELECTRICAL ROOM M117**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	SERVICE LANE LIGHTING	LTG	1820	3826			2006	LTG	OFFICE LIGHTING	20A/1P	2
3	20A/1P	SERVICE ROOMS LIGHTING	LTG	1399		2501		1102	LTG	CORRIDOR A2 LIGHTING	20A/1P	4
5	20A/1P	PARTS STORAGE AREA LIGHTING	LTG	1647			3265	1618	LTG	WORK STATION OFFICES LIGHTING	20A/1P	6
7	20A/1P	CHASSIS WASH LIGHTING	LTG	650	2218			1568	LTG	ADMIN RESTROOM LIGHTING	20A/1P	8
9	20A/1P	REPAIR BAYS LIGHTING	LTG	3584		4745		1161	LTG	DISPATCH AREA LIGHTING	20A/1P	10
11	20A/1P	COMMON ISLE LIGHTING	LTG	1120			3940	2820	LTG	BREAK ROOM LIGHTING	20A/1P	12
13	20A/1P	CORRIDOR M112 LIGHTING	LTG	1197	1975			778	LTG	RECEPTION LIGHTING	20A/1P	14
15	20A/1P	SERVICE ROOMS LIGHTING	LTG	485		1185		700	LTG	BUILDING MOUNTED LIGHTING	20A/1P	16
17	20A/1P	RESTROOMS & SHOWERS LIGHTING	LTG	1116			3172	2056	LTG	REPAIR AREA LIGHTING (TYPE WP1)	20A/1P	18
19	20A/1P	TOOL STORAGE AREA LIGHTING	LTG	1164	1590			426	LTG	STORAGE SHED LIGHTING	20A/1P	20
21	20A/1P	WORK AREA LIGHTING	LTG	1188		1434		246	LTG	FLAG POLE LIGHTING	20A/1P	22
23	20A/1P	BUILDING MOUNTED SIGN	LTG	500			548	48	LTG	SIGN LIGHITNG	20A/1P	24
25	20A/1P	SPARE			704			704	LTG	FUELING CANOPY LIGHITNG	20A/1P	26
27	20A/1P	SPARE				0				SPARE	20A/1P	28
29	20A/1P	SPARE					0			SPARE	20A/1P	30
31	20A/2P	SITE LIGHTING (LT30)	LTG	242	786.5			544.5	LTG	SITE LIGHTING (LT30)	20A/2P	32
33			LTG	242		786.5		544.5	LTG			34
35	20A/2P	SITE LIGHTING (LT50)	LTG	960			1920	960	LTG	SITE LIGHTING (LT50)	20A/2P	36
37			LTG	960	1920			960	LTG			38
39	20A/2P	SITE LIGHTING (LT50)	LTG	960		1920		960	LTG	SITE LIGHTING (LT50)	20A/2P	40
41			LTG	960			1920	960	LTG			42

PANELBOARD SCHEDULE

PANELBOARD NAME: **HPP3** — VOLTS: **480** V — MIN. BUS RATING: **225** A — MCB: A — MLO: **225** A — 3Ø 4-WIRE — AIC: **42 Ka** — MTG: **SURFACE** — ENCL: **NEMA 1** — LOCATION: **COMMON AISLE M9**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1			PWR	4432	4737			305	PWR			2
3	20A/3P	LIFT CONSOLE 5651 M3	PWR	4432		4737		305	PWR	HOIST 5362 M2	20A/3P	4
5			PWR	4432			4737	305	PWR			6
7			PWR	7479	13296			5817	PWR			8
9	50A/3P	LIFT CONSOLE 5704W M1	PWR	7479		13296		5817	PWR	PRESSURE WASHER	50A/3P	10
11			PWR	7479			13296	5817	PWR			12
13			PWR	11080	12410			1330	PWR			14
15	60A/3P	WATER RECLAIM 3936 M135	PWR	11080		12410		1330	PWR	OVERHEAD DOOR S1	20A/3P	16
17			PWR	11080			12410	1330	PWR			18
19			PWR	1330	2660			1330	PWR			20
21	20A/3P	OVERHEAD DOOR M2	PWR	1330		2660		1330	PWR	OVERHEAD DOOR S2	20A/3P	22
23			PWR	1330			2660	1330	PWR			24
25			PWR	1330	2660			1330	PWR			26
27	20A/3P	OVERHEAD DOOR M1	PWR	1330		2660		1330	PWR	OVERHEAD DOOR M122	20A/3P	28
29			PWR	1330			2660	1330	PWR			30
31		SPACE			0					SPACE		32
33		SPACE				0						34
35		SPACE					0					36
37		SPACE			0							38
39		SPACE				0						40
41		SPACE					0					42

PANELBOARD SCHEDULE

PANELBOARD NAME: **LPP1** — VOLTS: **208** V — MIN. BUS RATING: **150** A — MCB: — MLO: **150** A — 3Ø 4-WIRE — AIC: **22kA** — MTG: **SURFACE** — ENCL: **NEMA 1** — **PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE** — LOCATION: **ELECTRICAL ROOM M117**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	RECEPTACLE M113,M12,M102-M105A	REC	1080	3000			1920	PWR	ICE MAKER M107	30A/2P	2
3	20A/1P	RECEPTACLE M113,M12,M102-M105A	REC	1080		3000		1920	PWR			4
5	20A/1P	RECEPTACLE M113,M12,M102-M105A	REC	900			1800	900	REC	RECEPTACLE M119	20A/1P	6
7	20A/1P	EF-2 M116	HVAC	1176	2076			900	REC	RECEPTACLE M119	20A/1P	8
9	20A/1P	UH-10	HVAC	72		792		720	REC	RECEPTACLE M119	20A/1P	10
11	20A/1P	RECEPTACLE M107	REC	540			560	20	HVAC	CUH-4 M113	20A/1P	12
13	20A/1P	RECEPTACLE M107	REC	360	380			20	HVAC	CUH-3 M12	20A/1P	14
15	20A/1P	RECEPTACLE M107	REC	540		560		20	HVAC	CUH-1 M11	20A/1P	16
17	20A/1P	RECEPTACLE M120, M121	REC	1080			1130	50	HVAC	UH-11	20A/1P	18
19	20A/1P	RECEPTACLE M120, M121	REC	1080	1130			50	HVAC	UH-12	20A/1P	20
21	20A/1P	RECEPTACLE M120, M121	REC	1080		1130		50	HVAC	UH-113	20A/1P	22
23	20A/1P	RECEPTACLE M125-M127	REC	1080			1130	50	HVAC	UH-14	20A/1P	24
25	20A/1P	RECEPTACLE M125-M127	REC	900	950			50	HVAC	UH-15	20A/1P	26
27	20A/1P	RECEPTACLE M125-M127	REC	720		2680		1960	PWR	AHU-1 LIGHTS / RECEPTACLE	20A/1P	28
29	25A/2P	ACCU-5	HVAC	2016			3216	1200	PWR	BATTERY CHARGER	20A/1P	30
31			HVAC	2016	2736			720	PWR	REFIGERATOR M107	20A/1P	32
33	30A/2P	ACCU-6	HVAC	2040		2040				SPARE	20A/1P	34
35			HVAC	2040			2040			SPARE	20A/1P	36
37	20A/1P	SPARE			0					SPACE		38
39	20A/1P	SPARE				0				SPACE		40
41	20A/1P	SPARE					0			SPACE		42

PANELBOARD SCHEDULE

PANELBOARD NAME: **ELP1** — VOLTS: **208** V — MIN. BUS RATING: **125** A — MCB: **125** A — MLO: A — 3Ø 4-WIRE — AIC: **42kA** — MTG: **SURFACE** — ENCL: **NEMA 1** — LOCATION: **ELECTRICAL ROOM M117**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	FACP	PWR	600	600					SPARE	20A/1P	2
3	20A/1P	SPARE				0				SPARE	20A/1P	4
5	20A/1P	SPARE					0			SPARE	20A/1P	6
7	20A/1P	SPARE			0					SPACE		8
9		SPACE				0				SPACE		10
11		SPACE					0			SPACE		12
13		SPACE			0					SPACE		14
15		SPACE				0				SPACE		16
17		SPACE					0			SPACE		18
19		SPACE			0					SPACE		20
21		SPACE				0				SPACE		22
23		SPACE					0			SPACE		24

PANELBOARD SCHEDULE

PANELBOARD NAME: **EHP1** — VOLTS: **480** V — MIN. BUS RATING: **100** A — MCB: A — MLO: **100** A — 3Ø 4-WIRE — AIC: **42 kA** — MTG: **SURFACE** — ENCL: **NEMA 1** — LOCATION: **ELECTRICAL ROOM M117**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	ADMIN AREA EXIT SIGNS	LTG		1917			1917	LTG	SERVICE LANE EMERGENCY LIGHITNG	20A/1P	2
3	20A/1P	CORRIDOR EMERGENCY LIGHTING	LTG	582		1620		1038	LTG	SERVICE ROOMS EMERGENCY LIGTHTING	20A/1P	4
5	20A/1P	WORK STATION OFFICES LIGHTING	LTG	176			1243	1067	LTG	PARTS STORAGE AREA LIGHTING	20A/1P	6
7	20A/1P	ADMIN RESTROOM EM LIGHTING	LTG	562	1212			650	LTG	CHASSIS WASH EMERGENCY LIGHTING	20A/1P	8
9	20A/1P	DISPATCH AREA EM LIGHTING	LTG	228		3812		3584	LTG	REPAIR BAYS EMERGENCY LIGHTING	20A/1P	10
11	20A/1P	BREAK ROOM EM LIGHTING	LTG	896			1792	896	LTG	COMMON ISLE EMERGENCY LIGHTING	20A/1P	12
13	20A/1P	RECEPTION EM LIGHTING	LTG	168	815			647	LTG	CORRIDOR M112 EMERGENCY LIGHTING	20A/1P	14
15	20A/1P	ADMIN ENTRY BUILDING LIGHTING	LTG	250		638		388	LTG	SERVICE ROOMS LIGHTING	20A/1P	16
17	20A/1P	EGRESS LIGHTING (WP2)	LTG	850			1180	330	LTG	RESTROOMS & SHOWERS EM LIGHTING	20A/1P	18
19	20A/1P	SPARE			729			729	LTG	TOOL STORAGE AREA EM LIGHTING	20A/1P	20
21	20A/1P	SPARE				330		330	LTG	WORK AREA LIGHTING	20A/1P	22
23	20A/1P	SPARE					190	190	LTG	EXIT SIGNS	20A/1P	24
25	20A/1P	SPARE			0					SPACE		26
27	20A/1P	SPARE				0				SPACE		28
29		SPACE					0			SPACE		30
31		SPACE			0					SPACE		32
33		SPACE				0				SPACE		34
35		SPACE					0			SPACE		36
37				600	600					SPACE		38
39	70A/3P	PANELBOARD ELP1 -- VIA XFMR T-3		0		0				SPACE		40
41				0			0			SPACE		42

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Revision Number	Issued by	Revision Description	Revision Date

DWG. TITLE

PANELBOARD SCHEDULES

DATE: 09/24/2014
SCALE: AS NOTED
DWN: VB CHK: PTV
PROJ. No.: 444505
DWG. No.: E503

DATE/TIME PRINTED: 9/23/2014 8:20:57 PM FILEPATH: P:\444505 GLTC OM SCHEMATIC DESIGN\16_CAD\DWG\ELEC\COMPOSITE\E503

PANELBOARD SCHEDULE

PANELBOARD **LPP2** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **100** A — AIC: **22kA** — MCB: — MTG: **SURFACE** — MLO: **100** A — ENCL: **NEMA 1** — PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE — LOCATION: **ELECTRICAL ROOM M117**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/2P	PORTABLE VAC SYSTEM 3624	PWR	1300	1444			144	PWR	RB-3 M113	20A/1P	2
3			PWR	1300		1444		144	PWR	RB-3 M113	20A/1P	4
5	50A/2P	ACCU-2	HVAC	3612			5532	1920	PWR			6
7			HVAC	3612	5532			1920	PWR	LIFT 5652	40A/3P	8
9	20A/1P	SPARE				1920		1920	PWR			10
11	20A/1P	SPARE					0			SPARE	20A/1P	12
13	20A/1P	SPARE			0					SPARE	20A/1P	14
15		SPACE				0				SPARE	20A/1P	16
17		SPACE					0			SPACE		18
19		SPACE			0					SPACE		20
21		SPACE				0				SPACE		22
23		SPACE					0			SPACE		24
25		SPACE			0					SPACE		26
27		SPACE				0				SPACE		28
29		SPACE					0			SPACE		30
31		SPACE			0					SPACE		32
33		SPACE				0				SPACE		34
35		SPACE					0			SPACE		36
37		SPACE			0					SPACE		38
39		SPACE				0				SPACE		40
41		SPACE					0			SPACE		42

PANELBOARD SCHEDULE

PANELBOARD **LPP6** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **225** A — AIC: **22kA** — MCB: — MTG: **RECESSED** — MLO: **225** A — ENCL: **NEMA 1** — PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE — LOCATION: **CORRIDOR A3**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	RECEPTACLES A107-A110	REC	1080	2340			1260	REC	RECEPTACLES A102-A106	20A/1P	2
3	20A/1P	RECEPTACLES A107-A110	REC	900		1980		1080	REC	RECEPTACLES A102-A106	20A/1P	4
5	20A/1P	RECEPTACLES A107-A110	REC	1080			2340	1260	REC	RECEPTACLES A102-A106	20A/1P	6
7	20A/1P	RECEPTACLES A111-A114	REC	1080	2160			1080	REC	RECEPTACLES A104, A115-A119	20A/1P	8
9	20A/1P	RECEPTACLES A111-A114	REC	1080		1800		720	REC	RECEPTACLES A104, A115-A119	20A/1P	10
11	20A/1P	RECEPTACLES A111-A114	REC	1080			1800	720	REC	RECEPTACLES A104, A115-A119	20A/1P	12
13	20A/1P	RECEPTACLES A118-A120	REC	1080	1980			900	REC	RECEPTACLES A120-A122	20A/1P	14
15	20A/1P	RECEPTACLES A118-A120	REC	1080		1980		900	REC	RECEPTACLES A120-A122	20A/1P	16
17	20A/1P	RECEPTACLES A118-A120	REC	1260			2160	900	REC	RECEPTACLES A120-A122	20A/1P	18
19	20A/1P	RECEPTACLES A125-A142	REC	720	1260			540	REC	RECEPTACLES A124, A128	20A/1P	20
21	20A/1P	RECEPTACLES A125-A142	REC	900		1440		540	REC	RECEPTACLES A124, A128	20A/1P	22
23	20A/1P	RECEPTACLES A125-A142	REC	540			1080	540	REC	RECEPTACLES A124, A128	20A/1P	24
25	20A/1P	HOTBOX CONNECTION	PWR	1680	2400			720	REC	RECEPTACLE	20A/1P	26
27	20A/1P	HOTBOX CONNECTION	PWR	1680		2220		540	REC	RECEPTACLE	20A/1P	28
29	20A/1P	RECEPTACLE	REC	1080			1620	540	REC	RECEPTACLE	20A/1P	30
31	20A/1P	RECEPTACLE	REC	1080	1080					SPACE		32
33	20A/1P	RECEPTACLE	REC	1080		1080				SPACE		34
35	20A/1P	SPARE					0			SPACE		36
37	20A/1P	SPARE			0					SPACE		38
39	20A/1P	SPARE				0				SPACE		40
41	20A/1P	SPARE					0			SPACE		42

PANELBOARD SCHEDULE

PANELBOARD **LPP10** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **100** A — AIC: **22kA** — MCB: — MTG: **SURFACE** — MLO: **100** A — ENCL: **NEMA 1** — PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE — LOCATION:

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	RB-4 S2	PWR	144	288			144	PWR	RB-7 S2	20A/1P	2
3	20A/1P	RB-4 S2	PWR	144		288		144	PWR	RB-7 S2	20A/1P	4
5	20A/1P	RB-4 S2	PWR	144			288	144	PWR	RB-7 S2	20A/1P	6
7	20A/1P	RB-4 S2	PWR	144	288			144	PWR	RB-7 S2	20A/1P	8
9	20A/1P	SALT BARN RECEPTACLES	PWR	360		2160		1800	PWR	COLLECTION SYSTEM	20A/1P	10
11	20A/1P	HRU-1 RECEPTACLES	PWR	360			360			SPARE	20A/1P	12
13	20A/1P	SPARE			0					SPARE	20A/1P	14
15	20A/1P	SPARE				0				SPARE	20A/1P	16
17	20A/1P	SPARE					0			SPARE	20A/1P	18
19		SPACE			0					SPACE		20
21		SPACE				0				SPACE		22
23		SPACE					0			SPACE		24
25		SPACE			0					SPACE		26
27		SPACE				0				SPACE		28
29		SPACE					0			SPACE		30
31		SPACE			0					SPACE		32
33		SPACE				0				SPACE		34
35		SPACE					0			SPACE		36
37		SPACE			0					SPACE		38
39		SPACE				0				SPACE		40
41		SPACE					0			SPACE		42

PANELBOARD SCHEDULE

PANELBOARD **LPP3** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **100** A — AIC: **22kA** — MCB: — MTG: **SURFACE** — MLO: **100** A — ENCL: **NEMA 1** — LOCATION: **ELECTRICAL ROOM M117**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	RB-6 M1	PWR	144	288			144	PWR	RB-6 M3	20A/1P	2
3	20A/1P	RB-6 M1	PWR	144		288		144	PWR	RB-6 M3	20A/1P	4
5	20A/1P	RB-6 M1	PWR	144			288	144	PWR	RB-6 M3	20A/1P	6
7	20A/1P	RB-5 M1	PWR	144	288			144	PWR	RB-5 M3	20A/1P	8
9	20A/1P	RB-3 M1	PWR	144		288		144	PWR	RB-3 M3	20A/1P	10
11	20A/1P	RB-6 M2	PWR	144			288	144	PWR	RB-6 M4	20A/1P	12
13	20A/1P	RB-6 M2	PWR	144	288			144	PWR	RB-6 M4	20A/1P	14
15	20A/1P	RB-6 M2	PWR	144		288		144	PWR	RB-6 M4	20A/1P	16
17	20A/1P	RB-4 M2	PWR	144			288	144	PWR	RB-4 M4	20A/1P	18
19	20A/1P	RB-3 M2	PWR	144	288			144	PWR	RB-3 M4	20A/1P	20
21	20A/1P	RB-6 M5	PWR	144		288		144	PWR	RB-6 M6	20A/1P	22
23	20A/1P	RB-6 M5	PWR	144			288	144	PWR	RB-6 M6	20A/1P	24
25	20A/1P	RB-6 M5	PWR	144	288			144	PWR	RB-6 M6	20A/1P	26
27	20A/1P	RB-5 M5	PWR	144		288		144	PWR	RB-4 M6	20A/1P	28
29	20A/1P	RB-3 M5	PWR	144			288	144	PWR	RB-3 M6	20A/1P	30
31	20A/1P	RB-6 M6	PWR	144	288			144	PWR	RB-6 M7	20A/1P	32
33	20A/1P	RB-6 M6	PWR	144		288		144	PWR	RB-6 M7	20A/1P	34
35	20A/1P	RB-6 M6	PWR	144			288	144	PWR	RB-6 M7	20A/1P	36
37	20A/1P	RB-5 M6	PWR	144	288			144	PWR	RB-5 M7	20A/1P	38
39	20A/1P	RB-3 M6	PWR	144		288		144	PWR	RB-2 M7	20A/1P	40
41	20A/1P	SPARE					0			SPARE	20A/1P	42

PANELBOARD SCHEDULE

PANELBOARD **LPP7** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **225** A — AIC: **42kA** — MCB: — MTG: **SURFACE** — MLO: **225** A — ENCL: **NEMA 1** — PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE — LOCATION: **CORRIDOR A7**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	RECEPTACLE A123,A132,A133	REC	1080	2160			1080	REC	RECEPTACLE A129,A130,A139	20A/1P	2
3	20A/1P	RECEPTACLE A123,A132,A133	REC	1080		2160		1080	REC	RECEPTACLE A129,A130,A139	20A/1P	4
5	20A/1P	RECEPTACLE A123,A132,A133	REC	1080			1980	900	REC	RECEPTACLE A129,A130,A139	20A/1P	6
7	20A/1P	RECEPTACLE A135-A137	REC	1080	3040			1960	REC	RECEPTACLE A139	20A/1P	8
9	20A/1P	RECEPTACLE A135-A137	REC	1080		3040		1960	REC	RECEPTACLE A139	20A/1P	10
11	20A/1P	RECEPTACLE A135-A137	REC	900			2860	1960	REC	RECEPTACLE A139	20A/1P	12
13	20A/1P	RECEPTACLE A137,A138,A139	REC	540	2500			1960	REC	RECEPTACLE A139	20A/1P	14
15	20A/1P	RECEPTACLE A137,A138,A139	REC	540		2500		1960	REC	RECEPTACLE A139	20A/1P	16
17	20A/1P	RECEPTACLE A137,A138,A139	REC	540			4152	3612	HVAC	ACCU-3	50A/2P	18
19	20A/1P	WATERCOOLER A6	PWR	1960	5572			3612	HVAC			20
21	30A/1P	FCU-1	HVAC	2415		4431		2016	HVAC	ACCU-4	25A/2P	22
23	20A/1P	HAIR DRYER	PWR	1440			3456	2016	HVAC			24
25	20A/1P	HAIR DRYER	PWR	1440	1440					SPARE	20A/1P	26
27	20A/1P	HAIR DRYER	PWR	1440		1440				SPARE	20A/1P	28
29	20A/1P	HAIR DRYER	PWR	1440			1440			SPARE	20A/1P	30
31	20A/1P	SPARE			0					SPACE		32
33	20A/1P	SPARE				0				SPACE		34
35		SPACE					0			SPACE		36
37		SPACE			0					SPACE		38
39		SPACE				0				SPACE		40
41		SPACE					0			SPACE		42

PANELBOARD SCHEDULE

PANELBOARD **LPP11** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **100** A — AIC: **22kA** — MCB: — MTG: **SURFACE** — MLO: **100** A — ENCL: **NEMA 1** — PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE — LOCATION:

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/3P	VEEDER ROOT PANEL	PWR	200	400			200	PWR	VEEDER ROOT PANEL	20A/3P	2
3			PWR	200		400		200	PWR			4
5			PWR	200			400	200	PWR			6
7	20A/1P	OZONE GENERATOR	PWR	600	2500			1900	PWR	GENERATOR CONTROL BOX	20A/3P	8
9	20A/1P	SPARE				1900		1900	PWR			10
11	20A/1P	SPARE					1900	1900	PWR			12
13	20A/1P	SPARE			500			500	PWR	GASOLINE FIRE CONTROLLER	20A/1P	14
15	20A/1P	SPARE				500		500	PWR	GASOLINE FIRE CONTROLLER	20A/1P	16
17	20A/1P	SPARE					100	100	PWR	GENERATOR SOLENOID RELAY	20A/1P	18
19		SPACE			0					SPACE		20
21		SPACE				0				SPACE		22
23		SPACE					0			SPACE		24
25		SPACE			0					SPACE		26
27		SPACE				0				SPACE		28
29		SPACE					0			SPACE		30
31		SPACE			0					SPACE		32
33		SPACE				0				SPACE		34
35		SPACE					0			SPACE		36
37		SPACE			0					SPACE		38
39		SPACE				0				SPACE		40
41		SPACE					0			SPACE		42

PANELBOARD SCHEDULE

PANELBOARD **LPP4** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **100** A — AIC: **22kA** — MCB: — MTG: **SURFACE** — MLO: **100** A — ENCL: **NEMA 1** — PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE — LOCATION: **COMMON AISLE M9**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	RECEPTACLES M2-M8	REC	900	1225			325	PWR			2
3	20A/1P	RECEPTACLES M2-M8	REC	720		1045		325	PWR	3304 M2	20A/3P	4
5	20A/1P	RECEPTACLES M2-M8	REC	720			1045	325	PWR			6
7	20A/1P	3304 M2	PWR	360	685			325	PWR			8
9	20A/1P	3304 M3	PWR	360		685		325	PWR	3304 M3	20A/3P	10
11	20A/1P	3304 M4	PWR	360			685	325	PWR			12
13	20A/1P	3304 M5	PWR	360	685			325	PWR			14
15	20A/1P	3304 M6	PWR	360		685		325	PWR	3304 M4	20A/3P	16
17	20A/1P	3304 M7	PWR	360			685	325	PWR			18
19	20A/1P	3304 M8	PWR	360	685			325	PWR			20
21	20A/1P	3785 M4	PWR	120		445		325	PWR	3304 M5	20A/3P	22
23	20A/1P	3785 M6	PWR	120			445	325	PWR			24
25	20A/1P	3785 M8	PWR	120	445			325	PWR			26
27	20A/1P	UH-16	HVAC	60		385		325	PWR	3304 M6	20A/3P	28
29	20A/1P	UH-17	HVAC	60			385	325	PWR			30
31	20A/1P	UH-18	HVAC	60	385			325	PWR			32
33	20A/1P	RECEPTACLE M7				325		325	PWR	3304 M7	20A/3P	34
35	20A/1P	RECEPTACLE M5					325	325	PWR			36
37	80A/2P	RECEPTACLE M5			325			325	PWR			38
39						325		325	PWR	3304 M8	20A/3P	40
41	20A/1P	SPARE					325	325	PWR			42

PANELBOARD SCHEDULE

PANELBOARD **LPP8** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **100** A — AIC: **42kA** — MCB: — MTG: **SURFACE** — MLO: **100** A — ENCL: **NEMA 1** — PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE — LOCATION: **M9**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	RECEPTACLE M128-M134	REC	1080	1800			720	REC	RECEPTACLE M135, M135A	20A/1P	2
3	20A/1P	RECEPTACLE M128-M134	REC	1080		1800		720	REC	RECEPTACLE M135, M135A	20A/1P	4
5	20A/1P	RECEPTACLE M128-M134	REC	1080			1620	540	REC	RECEPTACLE M135, M135A	20A/1P	6
7	20A/1P	UH-1	HVAC	120	198			78	HVAC	UH-8	20A/1P	8
9	20A/1P	UH-2	HVAC	120		198		78	HVAC	UH-9	20A/1P	10
11	20A/1P	RECEPTACLE EXTERIOR	REC	540			600	60	HVAC	UH-19	20A/1P	12
13	20A/1P	RECEPTACLE EXTERIOR	REC	360	420			60	HVAC	UH-20	20A/1P	14
15	20A/1P	UH-3	HVAC	120		180		60	HVAC	UH-21	20A/1P	16
17	20A/1P	UH-4	HVAC	120			180	60	HVAC	UH-22	20A/1P	18
19	20A/1P	UH-5	HVAC	120	180			60	HVAC	UH-23	20A/1P	20
21	20A/1P	UH-6	HVAC	120		180		60	HVAC	UH-24	20A/1P	22
23	20A/1P	UH-7	HVAC	120			276	156	HVAC	VACUUM SYSTEM 3624	20A/1P	24
25	20A/1P	EF-3	HVAC	1176	1332			156	HVAC		20A/1P	26
27	20A/1P	HWB-1	HVAC	1560		2736		1176	HVAC	HWP-3	20A/1P	28
29	20A/1P	HWB-2	HVAC	1560			2736	1176	HVAC	HWP-4	20A/1P	30
31	20A/1P	HWB-3	HVAC	1560	2736			1176	HVAC	HWP-5	20A/1P	32
33	20A/1P	DWH-1	HVAC	600		1128		528	HVAC	UH-29	20A/1P	34
35	20A/1P	HWRP-1	HVAC	120			648	528	HVAC	UH-30	20A/1P	36
37	20A/1P	UH-33	HVAC	120	180			60	HVAC	UH-31	20A/1P	38
39	20A/1P	UH-34	HVAC	120		180		60	HVAC	UH-32	20A/1P	40
41	20A/1P	SPARE					0			SPARE	20A/1P	42

PANELBOARD SCHEDULE

PANELBOARD **LPP12** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **100** A — AIC: **22kA** — MCB: **100** A — MTG: **SURFACE** — MLO: A — ENCL: **NEMA 1** — INTEGRATED POWER SOLUTION BY POWER INTEGRITY — LOCATION:

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	DISPENSER #1	PWR	720	2620			1900	PWR			2
3	20A/1P	DISPENSER #2	PWR	720		2620		1900	PWR	PUMP SMART CONTROLLER	20A/3P	4
5	20A/1P	RIH	PWR	600			2500	1900	PWR			6
7	20A/1P	SOLENOID RELAY	PWR	100	280			180	PWR	REMOTE FILL STATION & ALARM	20A/1P	8
9	20A/1P	SPARE				0				SPACE		10
11	20A/1P	SPARE					0			SPACE		12
13		SPACE			0					SPACE		14
15		SPACE				0				SPACE		16
17		SPACE					0			SPACE		18
19		SPACE			0					SPACE		20

PANELBOARD SCHEDULE

PANELBOARD **LPP13** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **100** A — AIC: **22kA** — MCB: **100** A — MTG: **SURFACE** — MLO: A — ENCL: **NEMA 1** — INTEGRATED POWER SOLUTION BY POWER INTEGRITY — LOCATION:

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	DISPENSER #3	PWR	720	2620			1900	PWR			2
3	20A/1P	DISPENSER #4	PWR	720		2620		1900	PWR	PUMP SMART CONTROLLER	20A/3P	4
5	20A/1P	RIH	PWR	600			2500	1900	PWR			6
7	20A/1P	SOLENOID RELAY	PWR	100	280			180	PWR	REMOTE FILL STATION & ALARM	20A/1P	8
9	20A/1P	SPARE				0				SPACE		10
11	20A/1P	SPARE					0			SPACE		12
13		SPACE			0					SPACE		14
15		SPACE				0				SPACE		16
17		SPACE					0			SPACE		18
19		SPACE			0					SPACE		20

PANELBOARD SCHEDULE

PANELBOARD **LPP5** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **400** A — AIC: **22kA** — MCB: — MTG: **SURFACE** — MLO: **400** A — ENCL: **NEMA 1** — PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE — LOCATION: **COMMON AISLE M9**

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	20A/1P	RECEPTACLES M108-M112	REC	1080	2160			1080	REC	RECEPTACLES M111, M112	20A/1P	2
3	20A/1P	RECEPTACLES M108-M112	REC	1260		2340		1080	REC	RECEPTACLES M111, M112	20A/1P	4
5	20A/1P	RECEPTACLES M108-M112	REC	1260			2340	1080	REC	RECEPTACLES M111, M112	20A/1P	6
7	20A/1P	RECEPTACLES M124, M123	REC	1080	1100			20	HVAC	CUH-2 M10	20A/1P	8
9	20A/1P	RECEPTACLES M124, M123	REC	900		920		20	HVAC	UH-41	20A/1P	10
11	20A/1P	RECEPTACLES M124, M123	REC	900			920	20	HVAC	UH-42	20A/1P	12
13	20A/1P	RECEPTACLE	REC	900	975			75	HVAC	UH-43	20A/1P	14
15	20A/1P	RECEPTACLE	REC	180		255		75	HVAC	UH-44	20A/1P	16
17	20A/1P	RECEPTACLE	REC	180			180			SPARE	20A/1P	18
19	80A/2P	WELDER 2900	PWR	5760	6960			1200		OIL FILTER PRESS 8492	20A/1P	20
21			PWR	5760		7416		1656	PWR	DRILL PRESS 2210	20A/1P	22
23	80A/2P	PLASMA CUTTER 2925	PWR	5760			6624	864	PWR	SAW 2690	20A/1P	24
25			PWR	5760	6600			840	PWR	BLASTING CABNENT 2270	20A/1P	26
27	80A/2P	WELDER 2925	PWR	5760		12000		6240	PWR			28
29			PWR	5760			12000	6240	PWR	DEGREASER 3560	90A/3P	30
31	30A/3P	MITRE SAW 2714	PWR	2064	8304			6240	PWR			32
33			PWR	2064		2814		750	PWR	ELECTRIOSTATIC FILTER 9350	20A/1P	34
35			PWR	2064			3504	1440	PWR			36
37	20A/1P	MITRE SAW 2715	PWR	1200	2640			1440	PWR	TIRE CAROUSEL 8121	20A/3P	38
39	20A/1P	FILTER 9350	PWR			1440		1440	PWR			40
41	20A/1P	SPARE					0			SPARE	20A/1P	42

PANELBOARD SCHEDULE

PANELBOARD **LPP9** (NAME) — VOLTS: **208** V, 3Ø 4-WIRE — MIN. BUS RATING: **150** A — AIC: **22kA** — MCB: — MTG: **SURFACE** — MLO: **150** A — ENCL: **NEMA 1** — PROVIDE WITH INTEGRAL SURGE PROTECTION DEVICE — LOCATION:

No.	BKR	DESCRIPTION	TYPE	LOAD	L1	L2	L3	LOAD	TYPE	DESCRIPTION	BKR	No.
1	40A/1P	FLOOR SCRUBBER 3357	PWR	3100	3928			828	PWR			2
3			PWR	1200		2028		828	PWR	WHEEL BALANCE 4913	20A/3P	4
5	15A/3P	MOUNTER/ DEMOUNTER 2450	PWR	1200			2028	828	PWR			6
7			PWR	1200	3120			1920	PWR	RECLAIM SYSTEM 2640	20A/1P	8
9	20A/1P	PORTABLE LIFT M4	PWR	1200		3120		1920	PWR	RECLAIM SYSTEM 2640	20A/1P	10
11	20A/1P	PORTABLE LIFT M4	PWR	1200			2400	1200	PWR	PORTABLE LIFT M5	20A/1P	12
13	20A/1P	PORTABLE LIFT M4	PWR	1200	2400			1200	PWR	PORTABLE LIFT M5	20A/1P	14
15	20A/1P	PORTABLE LIFT M4	PWR	1200		2400		1200	PWR	PORTABLE LIFT M5	20A/1P	16
17	20A/1P	UH-35	HVAC	60			1260	1200	PWR	PORTABLE LIFT M5	20A/1P	18
19	20A/1P	UH-36	HVAC	60	120			60	PWR	UH-25	20A/1P	20
21	20A/1P	UH-37	HVAC	60		120		60	PWR	UH-26	20A/1P	22
23	20A/1P	UH-38	HVAC	60			120	60	PWR	UH-27	20A/1P	24
25	20A/1P	UH-39	HVAC	60	120			60	PWR	UH-28	20A/1P	26
27	20A/1P	UH-40	HVAC	60		120		60	PWR	UH-45	20A/1P	28
29	20A/1P	RB-4 M124	PWR	144			504	360	REC	RECEPTACLE M4	20A/1P	30
31	20A/1P	RB-4 M124	PWR	144	504			360	REC	RECEPTACLE M3	20A/1P	32
33	20A/1P	RB-4 M120	PWR	144		684		540	REC	RECEPTACLE M3	80A/2P	34
35	20A/1P	DOCK LIGHTING RECEPTACLES	REC	900			1440	540	REC			36
37	20A/1P	DOCK LIGHTING RECEPTACLES	REC	720	720					SPARE	20A/1P	38
39	20A/1P	DOCK LIGHTING RECEPTACLES	REC	900		900				SPARE	20A/1P	40
41	20A/1P	SPARE					0			SPARE	20A/1P	42

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COMMONWEALTH OF VIRGINIA
PETER T. VOMSCHEIDT, SR.
Lic. No. 042131
PROFESSIONAL ENGINEER

Revision Number	Issued by	Revision Description	Revision Date

DWG. TITLE
PANELBOARD SCHEDULES

DATE 09/24/2014
SCALE AS NOTED
DWN. VB CHK. PTV
PROJ. No. 444505
DWG. No.
E504

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480/277V SWITCHBOARD SCHEDULE (SWBD-M)

SWITCHGEAR	CUBICLE	ITEM	CIRCUIT BREAKER: POLES	FRAME (AMPS)	OVERCURRENT TRIP DEVICE: TRIP COIL (AMPS)	LONG TIME PICKUP	SHORT TIME BAND	INTERRUPTING CAPACITY AMPS SYM(AIC)		GROUND FAULT PROTECTION: PICK-UP AMPS	TIME DELAY (CYCLES) (1=INSTANEOUS)	SERVING	REMARKS	CONNECTED LOAD: AMPERES PHASE A	PHASE B	PHASE C	TOTAL KVA	DEMAND KVA
SWBD-M 480/277V , 3-PHASE, 4 WIRE	BREAKER MAIN	1	3	1600				65				MAIN BREAKER		-	-	-		
AVAILABLE SHORT CIRCUIT CURRENT SYMMETRICAL AMPERES 42,000A	POWER SWITCH BOARD ESSENTIAL	FEEDER BREAKER																
		ITEM	POLES	FRAME (AMPS)	TRIP	CURR. LIMITER SIZE	CURR. LIMITER PROTECT G		INST. PICKUP									
		2	3	1600	1600	-	-	42				MDP-H		1735	1646	1591	1004.67	
		3	3	100	100	-	-	42				EMP1		17	23	16	15.48	
		4										1 HP JOCKEY PUMP	SERVICE TAP				1.75	
		5										100 HP FIRE PUMP	SERVICE TAP				103.10	
													LOAD TOTALS	1752	1669	1607	1125.00	0.00

480/277V SWITCHBOARD SCHEDULE (MDP-H)

SWITCHGEAR	CUBICLE	ITEM	CIRCUIT BREAKER: POLES	FRAME (AMPS)	OVERCURRENT TRIP DEVICE: TRIP COIL (AMPS)	LONG TIME PICKUP	SHORT TIME BAND	INTERRUPTING CAPACITY AMPS SYM(AIC)		GROUND FAULT PROTECTION: PICK-UP AMPS	TIME DELAY (CYCLES) (1= INSTANEOUS)	SERVING	REMARKS	CONNECTED LOAD: AMPERES PHASE A	PHASE B	PHASE C	TOTAL KVA	DEMAND KVA
NO. MDP-H 480/277V PHASE 4 WIRE AVAILABLE SHORT CIRCUIT CURRENT SYMMETRICAL AMPERES 42,000A 3	BREAKER MAIN	1	3	1000				42				MAIN BREAKER		-	-	-		
	POWER SWITCH BOARD ESSENTIAL	FEEDER BREAKER																
		ITEM	POLES	FRAME (AMPS)	TRIP	CURR. LIMITER SIZE	CURR. LIMITER PROTECT G		INST. PICKUP									
		2	3	450	450	-	-	42				T-2		868	780	727	284.89	
		3	3	400	400	-	-	42				H-WASH		270	270	270	224.37	
		4	3	150	150	-	-	42				HLP1		47	45	53	40.36	
		5	3	225	225	-	-	42				HPP1	SPARE	0	0	0	0.00	
		6	3	150	150	-	-	42				HPP2		94	94	84	76.30	
		7	3	225	225	-	-	42				HPP3		129	129	129	107.29	
		8	3	400	400	-	-	42				HMP1		209	209	208	173.25	
		9	3	225	225	-	-	42				HMP2		119	119	119	99.23	
													LOAD TOTALS	1735	1646	1591	1004.67	0.00

208/120V SWITCHBOARD SCHEDULE (MDP-L)

SWITCHGEAR	CUBICLE	ITEM	CIRCUIT BREAKER: POLES	FRAME (AMPS)	OVERCURRENT TRIP DEVICE: TRIP COIL (AMPS)	LONG TIME PICKUP	SHORT TIME BAND	INTERRUPTING CAPACITY AMPS SYM (AIC)		GROUND FAULT PROTECTION: PICK-UP AMPS	TIME DELAY (CYCLES) (1= INSTANEOUS)	SERVING	REMARKS	CONNECTED LOAD: AMPERES PHASE A	PHASE B	PHASE C	TOTAL KVA	DEMAND KVA
NO. MDP-L 208/120V PHASE 4 WIRE AVAILABLE SHORT CIRCUIT CURRENT SYMMETRICAL AMPERES 22KA 3	BREAKER MAIN	1	3	1000				42				MAIN BREAKER		-	-	-		
	POWER SWITCH BOARD ESSENTIAL	FEEDER BREAKER																
		ITEM	POLES	FRAME (AMPS)	TRIP	CURR. LIMITER SIZE	CURR. LIMITER PROTECT G		INST. PICKUP									
		2	3	150	150	-	-	22				LPP1		86	85	82	30.35	
		3	3	100	100	-	-	22				LPP2		58	28	46	15.87	
		4	3	100	100	-	-	22				LPP3		17	17	14	5.76	
		5	3	100	100	-	-	22				LPP4		37	32	32	12.23	
		6	3	350	350	-	-	22				LPP5		239	227	212	81.31	
		7	3	150	150	-	-	22				LPP6		91	89	75	30.54	
		8	3	150	150	-	-	22				LPP7		111	101	92	36.41	
		9	3	100	100	-	-	22				LPP8		57	53	51	19.31	
		10	3	150	150	-	-	22				LPP9		82	66	50	23.72	
		11	3	100	100	-	-	22				LPP10		5	5	5	1.87	
		12	3	100	100	-	-	22				LPP11		28	23	20	8.60	
		13	3	100	100	-	-	22				LPP12		24	22	21	8	
		14	3	100	100	-	-	22				LPP13		24	22	21	8	
		15	3	100	100	-	-	22				ITC/OM		9	9	6	3	
													LOAD TOTALS	868	780	727	284.89	0.00

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PETER T. VOMSCHEID, JR.
Reg. No. 042134
PROFESSIONAL ENGINEER

Revision Number	Issued by	Revision Description	Revision Date

DWG. TITLE

SWITCHBOARD SCHEDULES

DATE	09/24/2014
SCALE	AS NOTED
DWN.	VB
CHK.	PTV
PROJ. No.	444505
DWG. No.	E505

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