PLUMBING/FIRE PROTECTION EQUIPMENT CONNECTION SCHEDULE

CONNECTION DESIGNATION	LOAD DESCRIPTION	VOLTS	PHASE	LOAD INFORMATION						STARTER INFORMATION							DISCONNECT INFORMATION							CIRCUIT INFORMATION								CONNECTION NOTES	CONNECTION DESIGNATION
				HP	KVA	AMPS	MCA	MOCP	EMERG. POWER REQD.	FURN. BY	INST. BY	NEMA SIZE	TYPE	STARTER DISCONNECT TYPE	TRIP OR FUSE SIZE	NEMA ENCL TYPE	FURN. BY	INST. BY	TYPE	SWITCH RATING	POLE	FUSE OR TRIP RATING	NEMA ENCL TYPE	CIRCUIT ID	CIRCUIT BRKR TRIP	CIRCUIT BRKR P	BRANCH S E S	BRANCH PHASE/ NEUT NO	BRANCH PHASE/ NEUT SIZE	BRANCH GND SIZE	CIRCUIT MIN CND SIZE		
AC-1	DUPLEX AIR COMPR.	480	3	20	22.44	27.0	N/A	N/A	YES	EQ. MFR.	EQ. MFR.	2	SEE NOTES	N/A		N/A	SEE NOTES	SEE NOTES	FUSED SWITCH	60	3	50	1	HB2-28	50	3	1	3	8	10	1	10 11 16	AC-1
RAD-1	AIR DRYER	120	1	1/6	0.52	4.4	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A		N/A	SEE NOTES	SEE NOTES	SEE NOTES	60	1	N/A	1	LB2-18	15	1	1	2	12	12	3/4	7 16	RAD-1
RO-DP	DISTRIBUTION PUMP	208	3	3/4	1.33	3.7	N/A	N/A	YES	EQ. MFR.	EQ. MFR.	1	N/A	N/A		N/A	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	3	N/A	1	LB2-33	20	3	1	3	12	12	3/4	10 11 16	RO-DP
RO	REVERSE OSMOSIS	208	3	7-1/2	9.11	25.3	N/A	N/A	YES	EQ. MFR.	EQ. MFR.	1	N/A	N/A		N/A	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	3	N/A	1	LB2-27	40	3	1	3	8	10	1-1/4	10 11 16	RO
SOL	SOLENOID	120	1	N/A	0.05	0.0	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A		N/A	SEE NOTES	SEE NOTES	SEE NOTES	30	1	N/A	1	LB2-23	20	1	1	2	12	12	3/4	11 13	SOL
SP	SUMP PUMP	480	3	3	3.99	4.8	N/A	N/A	YES	EQ. MFR.	EQ. MFR.	1	N/A	N/A		N/A	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	3	N/A	1	HB1-28	20	3	1	3	12	12	3/4	10 11 16	SP
WH-1	WATER HEATER 1	120	1	N/A	0.20	1.6	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A		N/A	SEE NOTES	SEE NOTES	SEE NOTES	30	1	N/A	1	LB2-20	20	1	1	2	12	12	3/4	11 13	WH-1
WH-2	WATER HEATER 2	120	1	N/A	2.00	16.6	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A		N/A	SEE NOTES	SEE NOTES	SEE NOTES	30	1	N/A	1	LB2-22	25	1	1	2	10	10	3/4	11 13	WH-2

1. LOCK BREAKER 'ON'
2. DISCONNECT PROVIDED WITH EQUIPMENT
3. CIRCUIT FROM LIGHT SWITCH
4. VERIFY LOCATION WITH MECHANICAL CONTRACTOR
5. VFD PROVIDED IN MOTOR CONTROL CENTER.
6. EQUIPPED WITH MOTION SENSORS
7. PROVIDE MOTOR RATED SWITCH
8. PROVIDE NEMA 5-20R RECEPTACLE FOR CORD AND PLUG CONNECTION
9. AIR HANDLER CIRCUIT COMES FROM CONDENSING UNIT.
10. CONTROLLER/STARTER PROVIDED WITH UNIT.
11. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTION TO EQUIPMENT.
12. DISCONNECT AND THERMAL OVERLOAD PROVIDED WITH EQUIPMENT.
13. PROVIDE TOGGLE DISCONNECT SWITCH
14. PROVIDE NEMA 15-50R RECEPTACLE WITH MATCHING CORD AND PLUG.
15. FEED OUT OF PANELS
16. DISCONECT FURN BY AND INSTALED BY DIV 26
17. STARTER/DISC PROVIDED IN MCC.

PUMPS EQUIPMENT CONNECTION SCHEDULE

CONNECTION DESIGNATION	LOAD DESCRIPTION	VOLTS	PHASE	LOAD INFORMATION						STARTER INFORMATION							DISCONNECT INFORMATION							CIRCUIT INFORMATION								CONNECTION NOTES	CONNECTION DESIGNATION
				HP	KVA	AMPS	MCA	MOCP	EMERG. POWER REQD.	FURN. BY	INST. BY	NEMA SIZE	TYPE	STARTER DISCONNECT TYPE	TRIP OR FUSE SIZE	NEMA ENCL TYPE	FURN. BY	INST. BY	TYPE	SWITCH RATING	POLE	FUSE OR TRIP RATING	NEMA ENCL TYPE	CIRCUIT ID	CIRCUIT BRKR TRIP	CIRCUIT BRKR P	BRANCH S E S	BRANCH PHASE/ NEUT NO	BRANCH PHASE/ NEUT SIZE	BRANCH GND SIZE	CIRCUIT MIN CND SIZE		
21-CFS1	CHEM. FEED PUMP 1	120	1	1/3	0.86	7.2	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A		N/A	SEE NOTES	SEE NOTES	SEE NOTES	N/A	N/A		N/A	LB2-2	15	1	1	1	12	12	3/4	8	21-CFS1
21-CFS2	CHEM. FEED PUMP 2	120	1	1/3	0.86	7.2	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A		N/A	SEE NOTES	SEE NOTES	SEE NOTES	N/A	N/A	N/A	N/A	LB2-4	15	1	1	1	12	12	3/4	8	21-CFS2
21-CFS3	CHEM. FEED PUMP 3	120	1	1/3	0.86	7.2	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A		N/A	SEE NOTES	SEE NOTES	SEE NOTES	N/A	N/A	N/A	N/A	LB2-6	15	1	1	1	12	12	3/4	8	21-CFS3
21-CFS4	CHEM. FEED PUMP 4	120	1	1/3	0.86	7.2	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A		N/A	SEE NOTES	SEE NOTES	SEE NOTES	N/A	N/A	N/A	N/A	LB2-8	15	1	1	1	12	12	3/4	8	21-CFS4
21-CFS5	CHEM. FEED PUMP 5	120	1	1/3	0.86	7.2	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A		N/A	SEE NOTES	SEE NOTES	SEE NOTES	N/A	N/A	N/A	N/A	LB2-10	15	1	1	1	12	12	3/4	8	21-CFS5
21-CFS6	CHEM. FEED PUMP 6	120	1	1/3	0.86	7.2	N/A	N/A	YES	N/A	N/A	N/A	N/A	N/A		N/A	SEE NOTES	SEE NOTES	SEE NOTES	N/A	N/A	N/A	N/A	LB2-12	15	1	1	1	12	12	3/4	8	21-CFS6
21-CP1	STEAM COND. PUMP	480	3	3	3.99	4.8	N/A	N/A	YES	EQ. MFR.	EQ. MFR.	1	SEE NOTES	N/A		N/A	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	3	N/A	1	HB1-33	15	3	1	3	12	12	3/4	10 11 16	21-CP1
21-FOP1	FUEL OIL PUMP 1	480	3	N/A	2.49	2.9	N/A	N/A	YES	EQ. MFR.	EQ. MFR.	1	N/A	N/A		N/A	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	3	N/A	3R	HB1-4	15	3	1	3	12	12	3/4	10 11 16	21-FOP1
21-P1	CONDENSATE PUMP 1	480	3	2	2.82	3.4	N/A	N/A	YES	SEE NOTES	SEE NOTES	1	FVNR	THML/MAG CKT BKR	15	IN MCC	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	3	N/A	1	MCC1-C3	15	3	1	3	12	12	3/4	11 17	21-P1
21-P2	CONDENSATE PUMP 2	480	3	2	2.82	3.4	N/A	N/A	YES	SEE NOTES	SEE NOTES	1	FVNR	THML/MAG CKT BKR	15	IN MCC	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	3	N/A	1	MCC1-C4	15	3	1	3	12	12	3/4	11 17	21-P2
21-P3	BOILER PUMP 3	480	3	15	17.45	21.0	N/A	N/A	YES	SEE NOTES	SEE NOTES	2	VFD	THML/MAG CKT BKR	40	IN MCC	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	60	3	N/A	1	MCC1-B2	40	3	1	3	8	10	1	5 11 16	21-P3
21-P4	BOILER PUMP 4	480	3	15	17.45	21.0	N/A	N/A	YES	SEE NOTES	SEE NOTES	2	VFD	THML/MAG CKT BKR	40	IN MCC	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	60	3	N/A	1	MCC1-C2	40	3	1	3	8	10	1	5 11 16	21-P4
21-P5	BOILER PUMP 5	480	3	15	17.45	21.0	N/A	N/A	YES	SEE NOTES	SEE NOTES	2	VFD	THML/MAG CKT BKR	40	IN MCC	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	60	3	N/A	1	MCC1-D2	40	3	1	3	8	10	1-1/4	5 11 16	21-P5
21-P6	BOILER PUMP 6	480	3	15	17.45	21.0	N/A	N/A	YES	SEE NOTES	SEE NOTES	2	VFD	THML/MAG CKT BKR	40	IN MCC	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	60	3	N/A	1	MCC1-D2	40	3	1	3	8	10	1	5 11 16	21-P6
21-P7	CONDENSATE IN-LINE	480	3	1	1.75	0.0	N/A	N/A	YES	SEE NOTES	SEE NOTES	1	FVNR	THML/MAG CKT BKR	15	IN MCC	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	3	N/A	1	MCC1-C6	15	3	1	3	12	12	3/4	5 11 16	21-P7
8-CP1	STEAM COND. PUMP	480	3	3	3.99	4.8	N/A	N/A	YES	EQ. MFR.	EQ. MFR.	0	SEE NOTES	N/A-STARTER ONLY		1	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	2	N/A	1	HB3-3	15	2	1	3	12	12	3/4	10 11 16	8-CP1
8-CP2	STEAM COND. PUMP	480	3	3	3.99	4.8	N/A	N/A	YES	EQ. MFR.	EQ. MFR.	1	SEE NOTES	N/A-STARTER ONLY		N/A	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	3	N/A	1	HB3-9	15	2	1	3	12	12	3/4	10 11 16	8-CP2
FS-1	FUEL OIL FILTER	480	3	1-1/2	2.49	3.0	N/A	N/A	YES	EQ. MFR.	EQ. MFR.	1	N/A	N/A-STARTER ONLY		N/A	SEE NOTES	SEE NOTES	NON-FUSED SWITCH	30	3	N/A	3R	HB1-10	15	3	1	3	12	12	3/4	10 11 16	FS-1

1. LOCK BREAKER 'ON'
2. DISCONNECT PROVIDED WITH EQUIPMENT
3. CIRCUIT FROM LIGHT SWITCH
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16. DISCONECT FURN BY AND INSTALED BY DIV 26
17. STARTER/DISC PROVIDED IN MCC.

100% CONSTRUCTION DOCUMENTS

REVISION NO.	REVISION DESCRIPTION	BY	DATE
1	CLARIFICATIONS	JE	01-17-14

Revisions By Date

Department of Veterans Affairs
William Jennings Bryan Dorn
VA Medical Center
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JOHN G. ROSE 3300 REGISTERED SOUTH CAROLINA PROFESSIONAL ENGINEER 1/17/2014

SEAL

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Recommended Approvals:	
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COTR

Drawing Title: EQUIPMENT SCHEDULES

BUILDING IS FULLY SPRINKLERED

Project Title: REPLACE BOILER PLANT/ COGEN/CHP

Date: APRIL 30, 2012
Project Number: 544-11-101
Drawn: JVE
Building Number: 21
AutoCAD File Name:
Checked:
Reviewed:
Const. Contract No.:
DRAWING No.: E602

Veterans Affairs