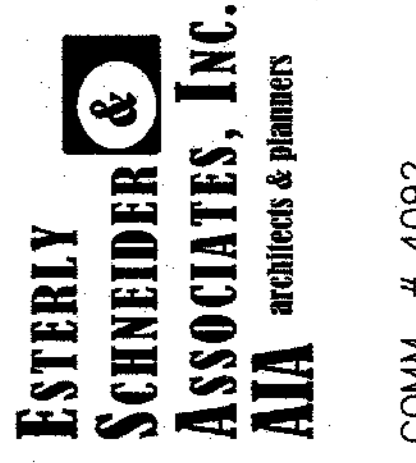


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OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

DEPARTMENT OF  
PUBLIC SAFETY,  
MISSOURI VETERANS  
COMMISSION

HVAC REPLACEMENT  
PROJECT

MISSOURI VETERANS  
HOME

620 N. JEFFERSON  
ST. JAMES, MO 65559

PROJECT # U1503-03  
FAI # 29-051  
SITE # 4700  
FACILITY # 55019

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 10-27-17

CAD DWG FILE: E-600.DWG  
DRAWN BY: AGB  
CHECKED BY: CKC  
DESIGNED BY: AGB

SHEET TITLE:

# ELECTRICAL SCHEDULES

SHEET NUMBER:

**E-600**  
41 OF 41 SHEETS  
10-27-17

## LIGHTING CONTACTOR SCHEDULE

MARK	LOAD			CONTACTOR				INTERLOCK	
	EQUIPMENT SERVED	WATTS/VOLTS	TYPE	AMP	POLE	ENCLOSURE	ACCESSORIES	CONTROLLED BY	CONTROLS
LC1	BOILER & WATER HEATER CIRCUITS	120	NCEH	30	10	NEMA 1		PUSHBUTTON	-

ABBREVIATIONS:  
NCEH - NORMALLY CLOSED ELECTRICALLY HELD  
NCEM - NORMALLY CLOSED MECHANICALLY HELD  
NOEH - NORMALLY OPEN ELECTRICALLY HELD  
NCEM - NORMALLY OPEN MECHANICALLY HELD  
EMS - ENERGY MANAGEMENT SYSTEM

## COMBINATION MAGNETIC MOTOR STARTER SCHEDULE

MARK	LOAD			SWITCH		FUSE		STARTER			INTERLOCK	
	EQUIPMENT SERVED	HP	FLA	AMP	POLE	AMP	TYPE	SIZE	TYPE	ACCESS.	STARTS	STARTED BY
CMMS1H	PUMP "P1H"	1/12	2.2	30	2	3.2	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS1C	PUMP "P1C"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS2H	PUMP "P2H"	1/2	9.8	30	2	15	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS2C	PUMP "P2C"	3/4	13.8	30	2	20	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS3H	PUMP "P3H"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS3C	PUMP "P3C"	3/4	13.8	30	2	20	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS4H	PUMP "P4H"	1/12	2.2	30	2	3.2	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS4C	PUMP "P4C"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS5H	PUMP "P5H"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS5C	PUMP "P5C"	1	16	30	2	25	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS6H	PUMP "P6H"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS6C	PUMP "P6C"	1	16	30	2	25	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS7H	PUMP "P7H"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS7C	PUMP "P7C"	1	16	30	2	25	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS8H	PUMP "P8H"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS8C	PUMP "P8C"	1	16	30	2	25	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS9H	PUMP "P9H"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS9C	PUMP "P9C"	1	16	30	2	25	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS10H	PUMP "P10H"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS10C	PUMP "P10C"	1	16	30	2	25	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS11H	PUMP "P11H"	1/2	9.8	30	2	15	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS11C	PUMP "P11C"	3/4	13.8	30	2	20	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS12H	PUMP "P12H"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS12C	PUMP "P12C"	1/8	4.4	30	2	6.25	FRN-R	00	FVNR	AC, CT, RP	PUMP	BMCS
CMMS13H	PUMP "P13H"	1	16	30	2	25	FRN-R	0	FVNR	AC, CT, RP	PUMP	BMCS
CMMS14	PUMP "DHW#1"	1	8	30	2	12	FRN-R	0	FVNR	AC, CT, RP	PUMP	BOILER CONTROL PANEL

ABBREVIATIONS:  
AC - AUXILIARY CONTACTS  
BMCS - BUILDING MANAGEMENT CONTROL SYSTEM  
CT - CONTROL VOLTAGE TRANSFORMER  
FVNR - FULL-VOLTAGE NON-REVERSING  
FVTS - FULL-VOLTAGE TWO-SPEED  
GP - GREEN PILOT LAMP  
HOA - HAND-OFF-AUTO SELECTOR SWITCH  
OL - MELTING ALLOY THERMAL OVERLOADS  
PL - PILOT LIGHT  
RP - RED PILOT LAMP  
RSS - REMOTE START-STOP STATION  
RVAT - REDUCED-VOLTAGE AUTO TRANSFORMER  
TC - TEMPERATURE CONTROL

GENERAL NOTE, APPLICABLE TO ALL SHEETS:  
FOR ALL MODIFIED PANELBOARD, CONTRACTOR SHALL CREATE A NEW DIRECTORY CARD TO INDICATE INSTALLED CIRCUIT LOADS. USE A COMPUTER OR TYPEWRITER TO CREATE DIRECTORY; HANDWRITTEN DIRECTORIES ARE NOT ACCEPTABLE.