

K1: SQUARE D CATF 3000 AC CONTROL RELAY, PROVIDE IN NEMA 1 ENCLOSURE

DISABLE SWITCHES:

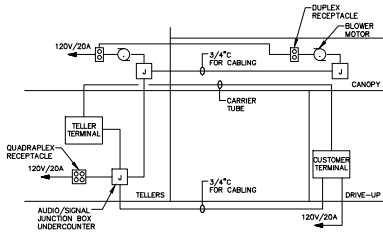
S1, S2: EMERGENCY SAFETY SWITCH AT BOILER ROOM ENTRY BY MECHANICAL CONTRACTOR

TS1: THERMAL SAFETY SWITCH BY MECHANICAL CONTRACTOR

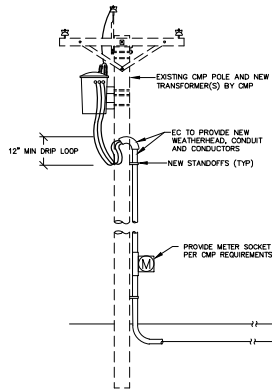
NOTE: COORDINATE WITH M.E. AND VERIFY WIRING CONFIGURATION

PROVIDE QUANTITY OF ADDITIONAL CIRCUITS AS REQUIRED BY NUMBER OF BOILERS NOTED ON FLOORPLAN DRAWINGS

**BOILER EMERGENCY SHUT-OFF SWITCH WIRING DIAGRAM (TYPICAL)**  
SCALE: NO SCALE

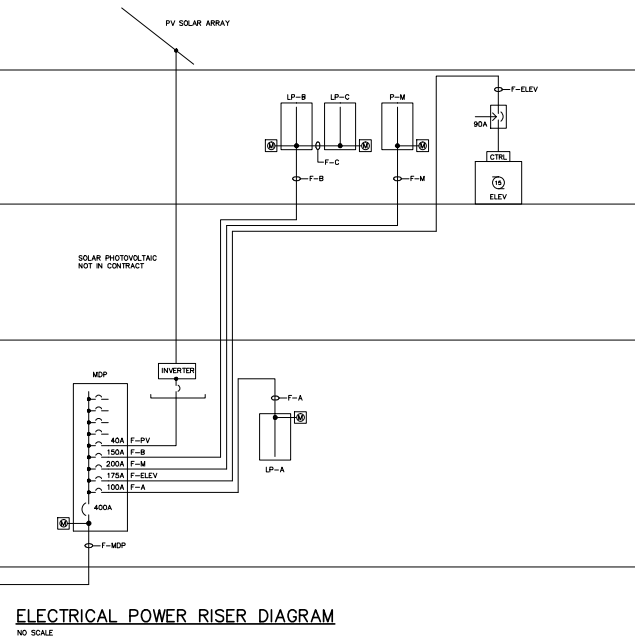


**DRIVE-UP TELLER RISER DIAGRAM**  
SCALE: NOT TO SCALE



PANELBOARD & FEEDER SCHEDULE															
PANELBOARD				MANS				OVER CURRENT PROTECT.		SUPPLY FEEDERS				NOTES	
ID TAG	MOUNT'G	LOCATION	BUS	ENTRY	PHASE	WRE	VOLTS	SUB/PHS	TRIP	ID TAG	NO. WIRES	SIZE WRE	INSULN		CONDUIT
LP-A	SURF	ELECTRIC CLOSET 108	100A	LUG	3	4	208/120	-	100A	F-A	4	#2	X9HW	1 1/2"	①
LP-B	SURF	ELECTRIC CLOSET 403	225A	LUG	3	4	208/120	SUB	150A	F-B	4	#1/2	X9HW	2"	①
LP-C	SURF	ELECTRIC CLOSET 403	225A	LUG	3	4	208/120	-	150A	F-C	4	#1/2	X9HW	2"	①
P-M	SURF	ELECTRIC CLOSET 403	225A	LUG	3	4	208/120	-	200A	F-M	4	#2/0	X9HW	2 1/2"	①
CB-ELEV	SURF	TOP OF ELEV HOISTWAY	90A	CB	3	4	208/120	-	90A	F-ELEV	4	#2	X9HW	1 1/4"	②
-	-	-	-	-	3	4	208/120	-	-	-	-	-	-	-	-
GND-R	1	#1/0	ANY	3/4"	-	-	-	-	-	-	-	-	-	-	③
GND-BS	1	#1/0	ANY	3/4"	-	-	-	-	-	-	-	-	-	-	④
GND-NM	1	#1/0	ANY	3/4"	-	-	-	-	-	-	-	-	-	-	⑤

- PANELBOARD & MISC EQUIPMENT NOTES**
- ① NODD PANELBOARD, BOLT-ON BREAKERS, MINIMUM CUTTERS 9" SIDES AND DEPTH, 8" FEED END, 10,000 A.I.C.
  - ② NEMA 1 ENCLOSED CIRCUIT BREAKER, 10,000 A.I.C.
  - ③ 3/4"x1/2"-0" COPPER/NICKEL GROUND ROD, DRIVE VERTICALLY TO 2'-0" BELOW FINISH GRADE, CADWELD GROUND CONDUCTOR AND BOND TO SERVICE NEUTRAL.
  - ④ BOND BUILDING STEEL TO SERVICE NEUTRAL.
  - ⑤ BOND STREET SIDE OF WATER MAIN TO SERVICE NEUTRAL.
  - ⑥ BOND FOUNDATION REBARS TO SERVICE NEUTRAL.
  - ⑦ PROVIDE PER LOCAL UTILITY REQUIREMENTS.
  - ⑧ PROVIDE WITH ISOLATED GROUND BUS BAR.



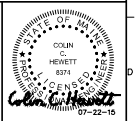
**ELECTRICAL POWER RISER DIAGRAM**  
NO SCALE

**Hewlett & Whitney**  
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PLOT DATE: Jul 21, 2015

NO. DATE DESCRIPTION

ISSUE FOR CONSTRUCTION  
07.22.15

**TAC** Architectural Group Inc.



BSB - MARGINAL WAY  
PORTLAND, MAINE

PROJECT NO: 1502  
CAD DWG FILE: Elec-Sched07s.dwg  
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SHEET TITLE  
**RISER DIAGRAMS**

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