

MAXIMUM AVAILABLE FAULT CURRENT AT POLE 36709:

8,400 A

0

KEY A-1 TO LOCK OPEN. KEY A-2 IS NOW HELD AND KEY

4. INSERT KEY A-1 IN L-O-C INTERLOCK ON BREAKER B AND

6. TURN KEY IN L-O-C INTERLOCK ON SWITCH A TO LOCK OPEN.

A-1 IS FREE.

TURN TO LOCK.

5. OPEN BREAKER B.

KEY A-1 IS NOW FREE.

NOTE: CONTRACTOR TO MATCH EXISTING

LTG & REEFER RECEPTACLES

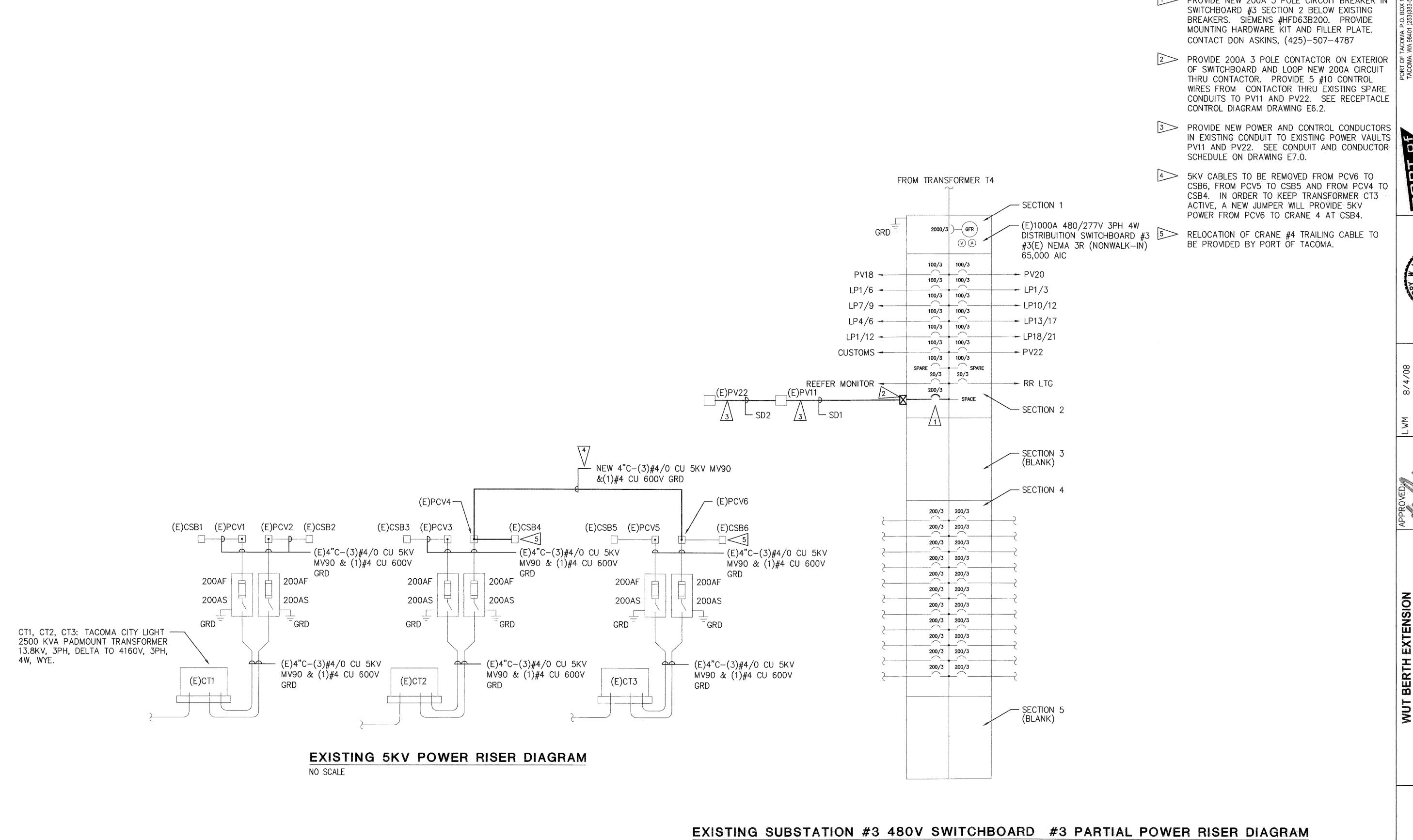
AT SUBSTATION #4

NEW ESTIMATED PEAK DEMAND LOAD

12 MONTH METERED PER NEC 220-87 +450KVA×1.25 = 562.5 KVA

= 1,620 KVA

72 AMPS @ 13.8 KV



ELECTRICAL NOTES:

PROVIDE NEW 200A 3 POLE CIRCUIT BREAKER IN

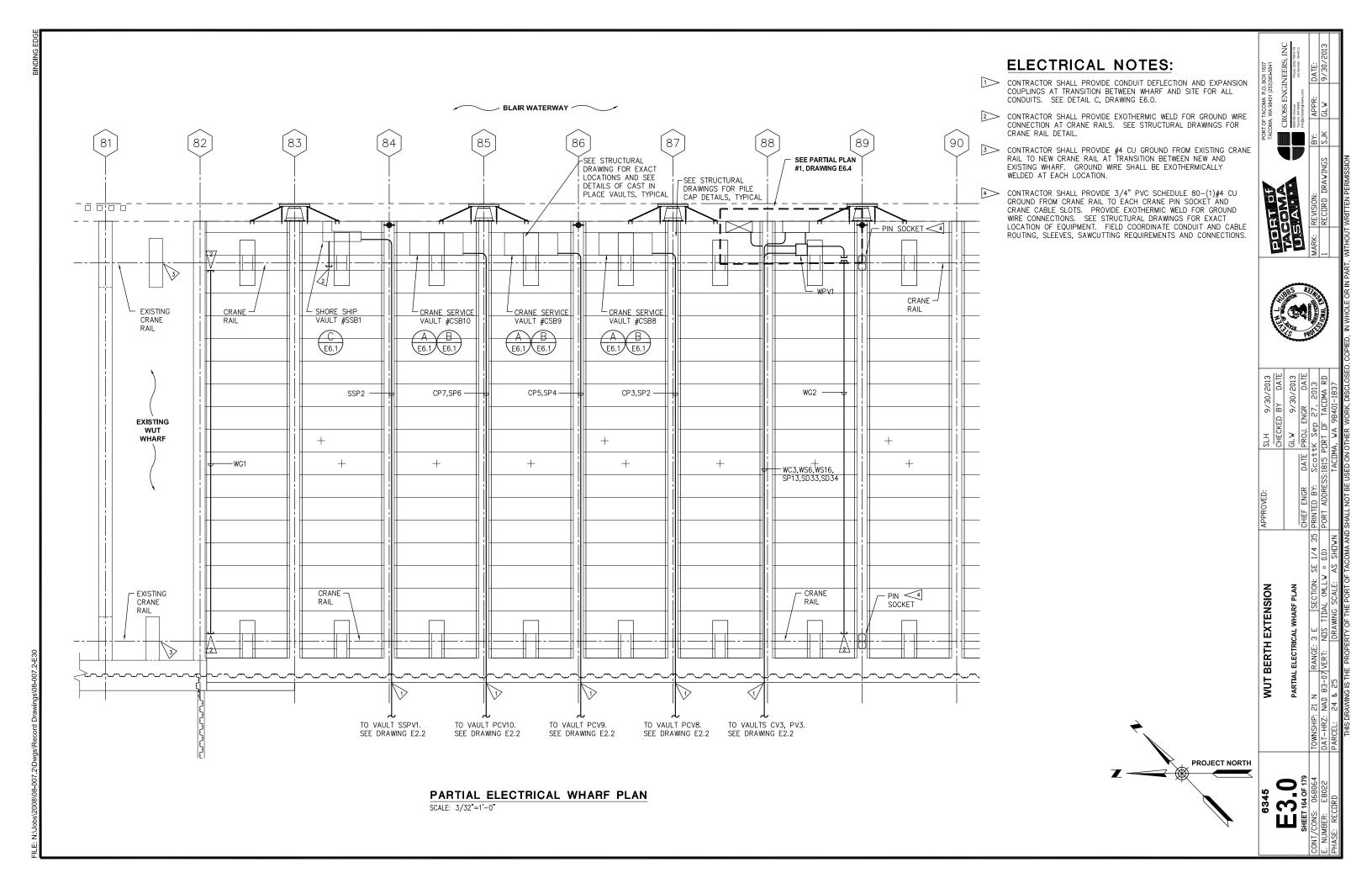
OMA P.O. BC 98401 (253)3 BHU-

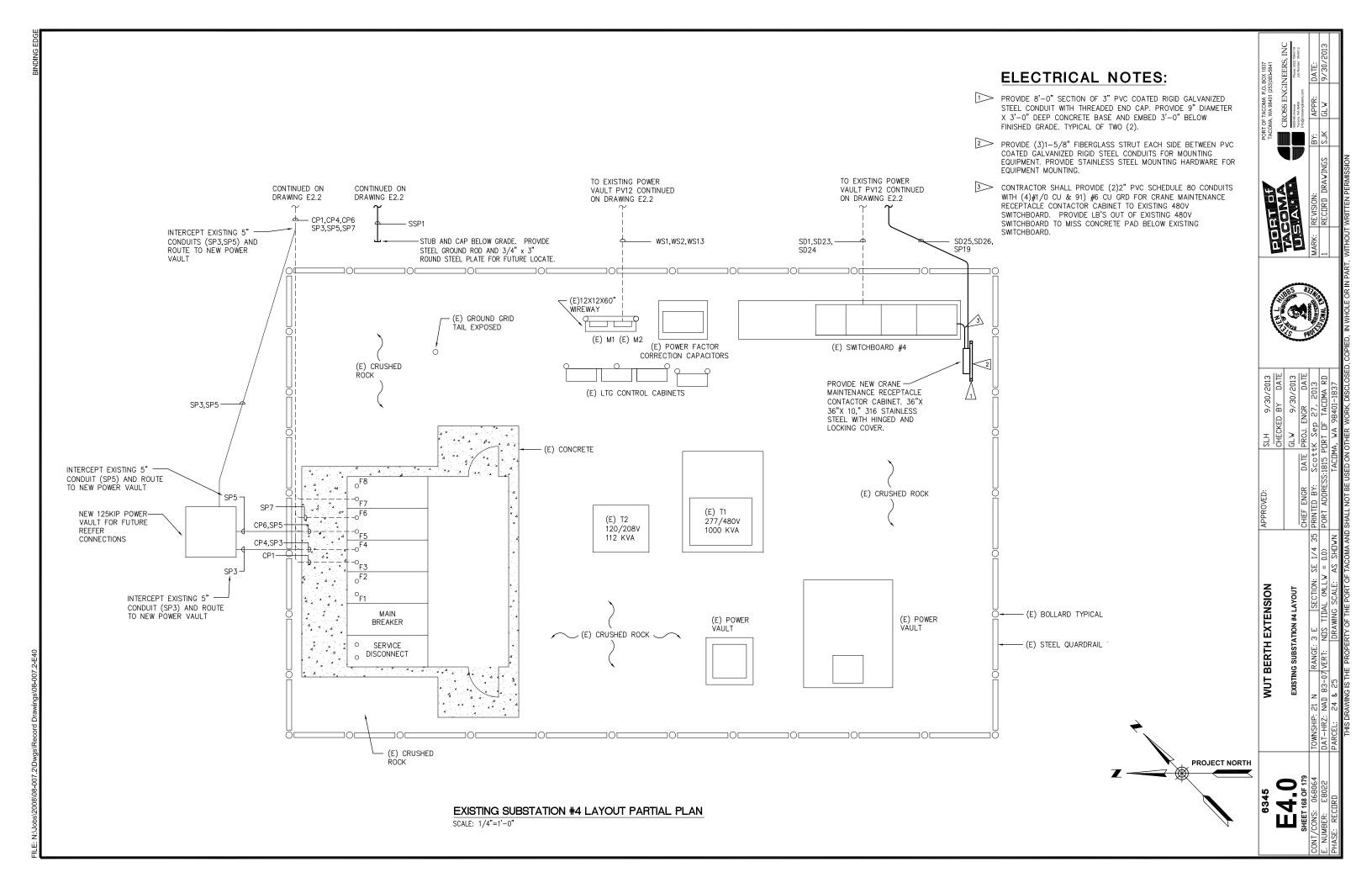


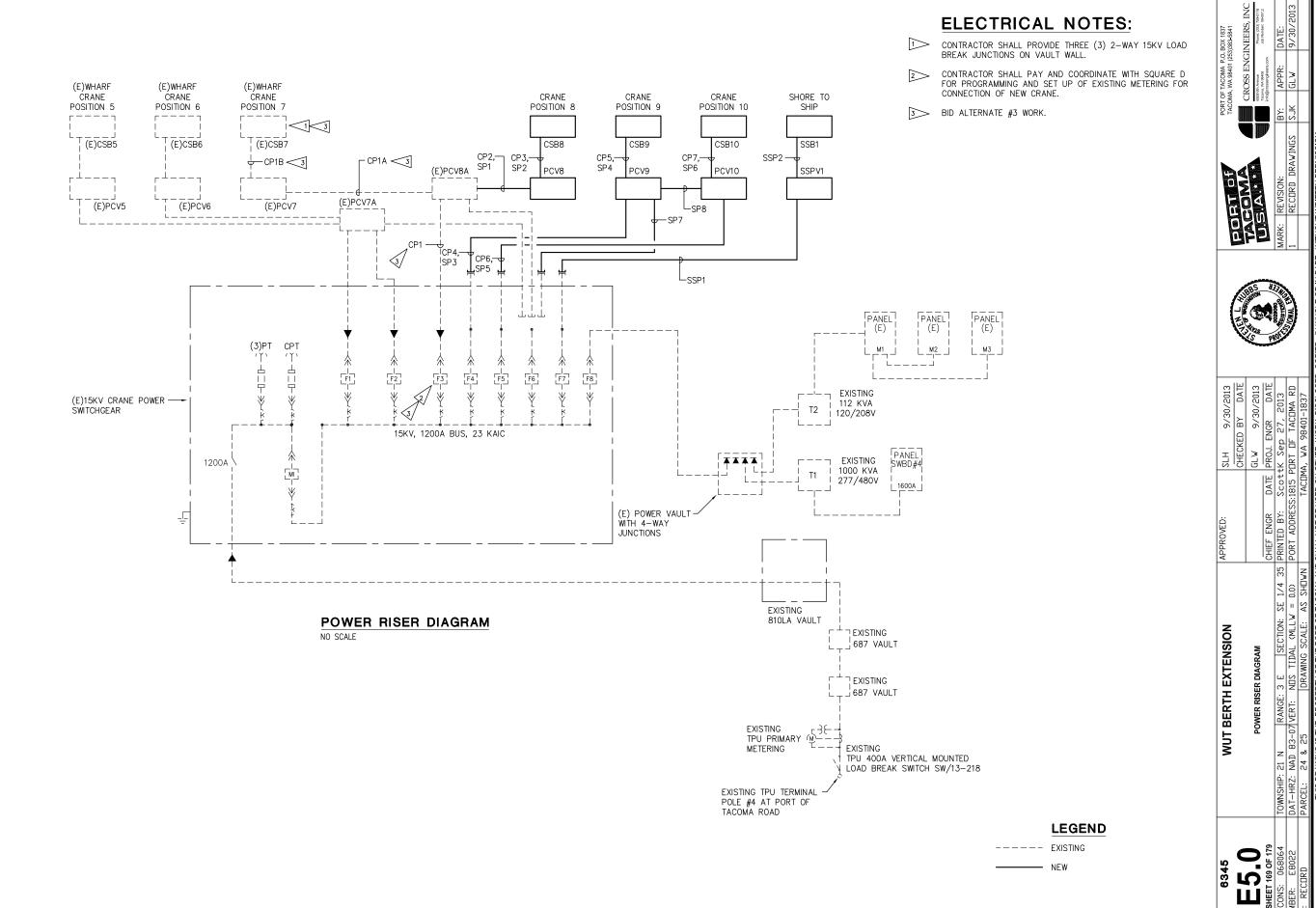
WUT BERTH EXTENSION
CRANE POWER MODIFICATIONS
XISTING SUBSTATION #3 POWER RISER DIAGRA

N

NO SCALE



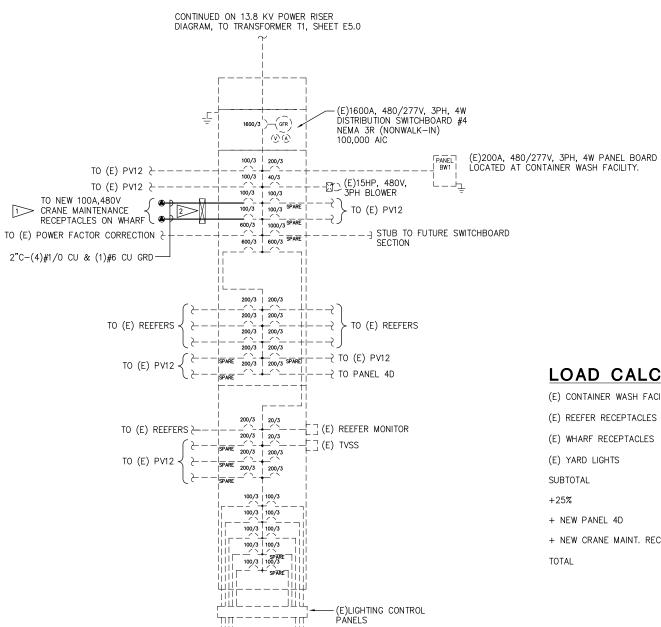




ELECTRICAL NOTES:

CONTRACTOR SHALL CONNECT TO EXISTING SPARE 480V, 100A, 3-POLE, 100% RATED CIRCUIT BREAKERS IN EXISTING SQUARE D SWITCHBOARD FOR NEW 100A, CRANE MAINTENANCE RECEPTACLES

CONTRACTOR SHALL PROVIDE TWO(2) NEW 100A, 3-POLE CONTACTORS IN NEW CRANE MAINTENANCE CONTACTOR ENCLOSURE. LOOP NEW 100A CRANE MAINTENANCE PLUG CIRCUITS THROUGH NEW CONTACTORS. SEE DRAWING E4.0 FOR CONTACTOR CABINET LOCATION. PROVIDE (5)#10 CONTROL WIRES FROM CONTACTOR THRU NEW CONDUIT TO EXISTING VAULT PV12.



LOAD CALCULATION:

(E) CONTAINER WASH FACILITY 27 KVA

(E) REEFER RECEPTACLES 250 KVA

(E) WHARF RECEPTACLES 250 KVA

(E) YARD LIGHTS 225 KVA SUBTOTAL 752 KVA

+25% 188 KVA

+ NEW PANEL 4D 37.4 KVA

+ NEW CRANE MAINT. RECEPTS. 132.8 KVA

TOTAL 1110.2 KVA (1338 AMPS)

@480V, 3PH

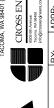
NO SCALE

(E)LIGHTING CONTROL CIRCUITS -

EXISTING SUBSTATION #4 480V POWER RISER DIAGRAM

-(E)LIGHTING CONTROL CIRCUITS









		CHECKED BY	DATE
		GLW 9/30/2013	2013
NGR	DATE	PROJ. ENGR	DATE
BY:	Scot	ScottK Sep 27, 2013	13
DRESS:	1815 F	DDRESS:1815 PDRT DF TACOMA RD	RD
	TACOM	TAPPINA NA GOADI-1037	7

WUT BERTH EXTENSION

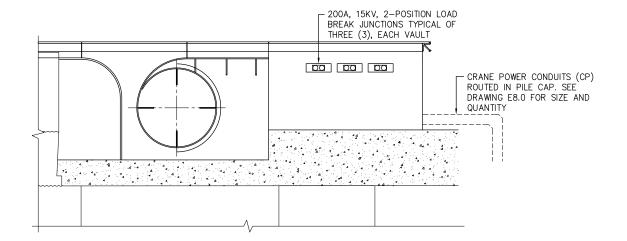
CRANE SERVICE VAULT LAYOUT

WUT BERTH EXTENSION

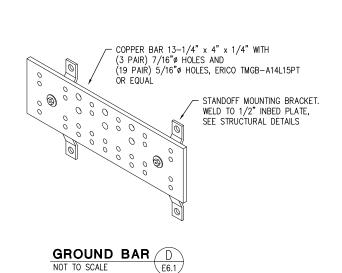
ELECTRICAL NOTES:

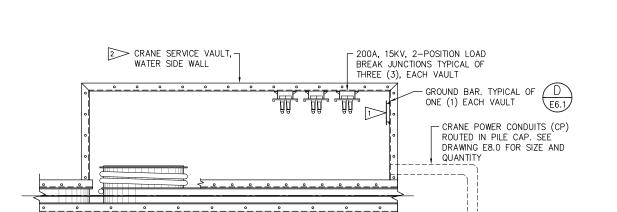
CONTRACTOR SHALL PROVIDE #4 BARE COPPER GROUND WIRE BETWEEN GROUND BAR(S) AND TO ALL METAL PARTS (CABLE DRAWN, FUNNEL BOTTOM, LIDS, FRAMES, LOAD BREAK JUNCTIONS, GROUND STUDS, ETC.) IN VAULT. CADWELD GROUND WIRE(S) TO ALL METAL PARTS WHERE GROUND STUDS OR HOLES FOR BOLTING GROUND WRE(S) IS NOT AVAILABLE.
ATTACH GROUND WRE(S) ROUTED IN VAULT TO VAULT CABLE RACKS WITH
PLASTIC TIE WRAPS. SEE STRUCTURAL DETAILS FOR GROUND STAB

CONTRACTOR SHALL PROVIDE FIBERGLASS CABLE RACK WITHIN VAULT FOR MOUNTING ELECTRICAL EQUIPMENT. PROVIDE FIBERGLASS OR STAINLESS STEEL MOUNTING HARDWARE TO ATTACH FIBERGLASS CABLE RACKS TO VAULT IMBEDS. SEE STRUCTURAL DRAWINGS FOR IMBEDS.









PLAN - TYPICAL CRANE SERVICE VAULT SCALE: 1/2"=1'-0" E6.1

