



April 24, 2020

TO: HOLDERS LIST

**SUBJECT: Terminal 3 / Terminal 4 Shore Power
CONTRACT NO. 071356**

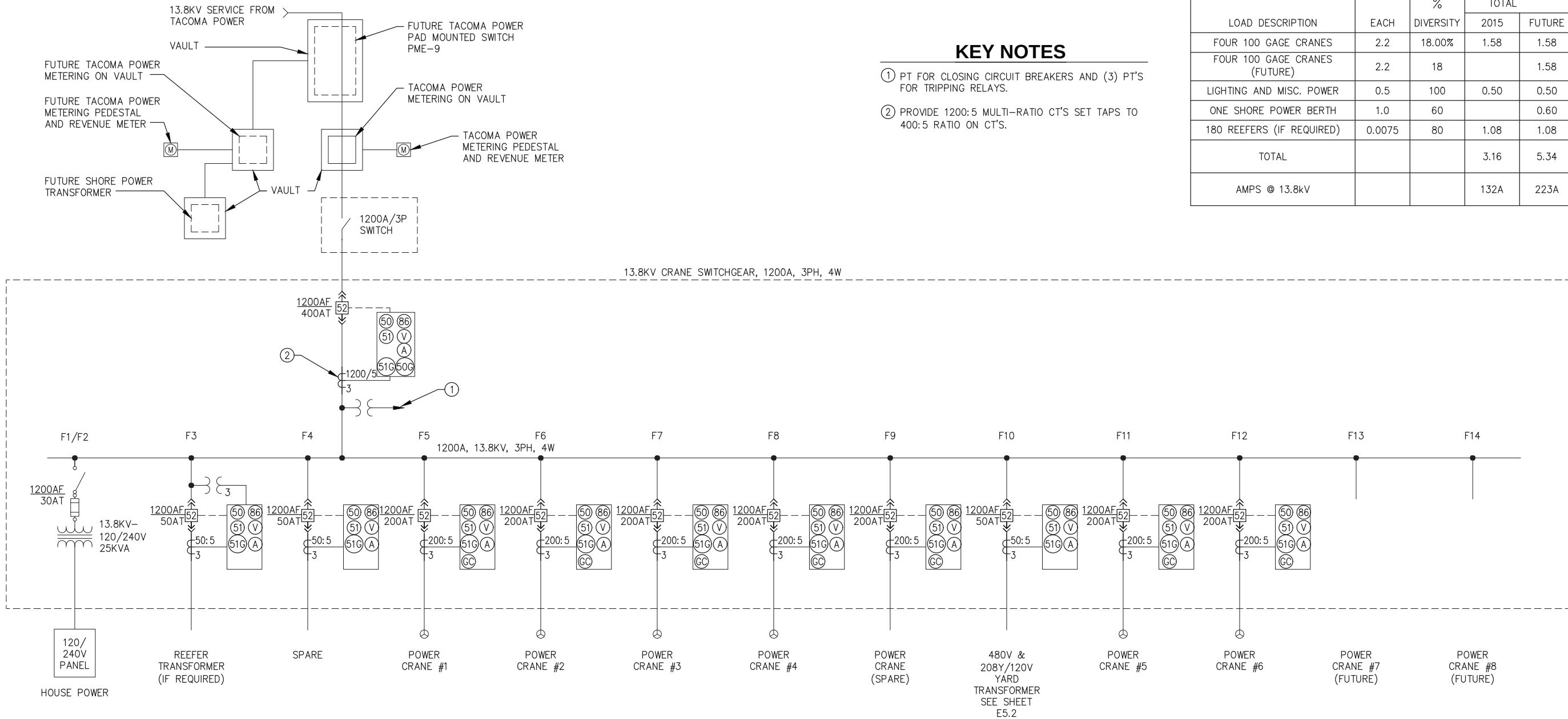
ADDENDUM NUMBER #01

This addendum is issued to add, remove, clarify and amend the following:

PROCUREMENT PROCESS

ATTACHMENT E – AERIAL VIEW AND ELECTRICAL SUBSTATION PLANS

Add Substation #8410 One-Line Diagram and Pier 3 Power Riser Diagram.



1

SUBSTATION #8410
ONE-LINE DIAGRAM

NO SCALE

GENERAL NOTES

1. THE PROPOSED SERVICE INDICATED IS SUBJECT TO REVIEW AND REVISION BY TACOMA POWER.

KEY NOTES

- ① PT FOR CLOSING CIRCUIT BREAKERS AND (3) PT'S FOR TRIPPING RELAYS.
- ② PROVIDE 1200:5 MULTI-RATIO CT'S SET TAPS TO 400:5 RATIO ON CT'S.

DESIGN BASIS LOAD ESTIMATE (MVA)

LOAD DESCRIPTION	EACH	% DIVERSITY	TOTAL	
			2015	FUTURE
FOUR 100 GAGE CRANES	2.2	18.00%	1.58	1.58
FOUR 100 GAGE CRANES (FUTURE)	2.2	18		1.58
LIGHTING AND MISC. POWER	0.5	100	0.50	0.50
ONE SHORE POWER BERTH	1.0	60		0.60
180 REEFERS (IF REQUIRED)	0.0075	80	1.08	1.08
TOTAL			3.16	5.34
AMPS @ 13.8kV			132A	223A

6552
E5.1
SH 137 OF 499

CONT/CONS: 070136
M. ID: 091251
PHASE: CONFORMED

PIER 4 PHASE 2
RECONFIGURATION
SUBSTATION #8410 ONE-LINE DIAGRAM

TOWNSHIP: RANGE: SECTION: DATE: 07/13/18
DAT-HRZ: WA83-SF VERT: MLLW 19.39' @ Tide 22 1933
PARCEL: DRAWING SCALE: AS NOTED

APPROVED:

CHECKED BY: DATE: PROJECT: ENGR: DATE: 12/12/18
DIRECTOR: ENG. DATE: 12/12/18
PRINTED BY: angel Jul 12, 2018
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

RECORD DRAWINGS:
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ELCON ASSOCIATES, INC.
ENGINEERS - CONSULTANTS
1800 CHRISTENSEN ROAD, SUITE 300
SEATTLE, WASHINGTON 98148
TEL: (206) 343-2002
FAX: (206) 343-2005

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (206) 388-5841

MARK: REVISION: BY: DATE: APPR: DATE:

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GENERAL NOTES:

- ### ELECTRICAL NOTES:

- | | | | |
|---|---|----|---|
| 1 | (E)(4)5"C.O. - CONDUCTORS BY TPU | 10 | 1"C-(3)#2 CU & (1)#8 CU GRD |
| 2 | (4)5"C-CONDUCTORS BY TPU | 11 | 2"C-(4)#3/0 CU & (1)#6 CU GRD |
| 3 | (4)5"C-FOR FUTURE SHORE TO SHIP EQUIPMENT | 12 | (5)#2"C-(4)#2 CU & (1)#8 CU GRD EACH |
| 4 | (1)4"C-(3)#1/0 15KV, MV105 CU, (1)#1/0 CU 600V GRD, (1)#10 CU 600V GRD
(1)4"C.O. - SPARE | 13 | (3)2"C-(3)#1/0 CU & (1)#6 CU GRD EACH
(1)2"C- SPARE |
| 5 | NOT USED | 14 | 1-1/2"C-(4)#2 CU & (1)#8 CU GRD |
| 6 | (1)4"C-(3)#1/0 15KV, MV105 CU, (1)#1/0 CU 600V GRD (1)4"C.O. - SPARE | 15 | 3/4"C-(2)#12 CU & (1)#12 CU GRD |
| 7 | (2)4"C-SPARE | 16 | (1)4"C-SPARE |
| 8 | (2)4"C-(4)#350KCM CU EACH | 17 | (2)2"C-METERING DATA CABLE PROVIDED WITH SWITCHGEAR FROM MANUFACTURER |
| 9 | (2)5"C-(3)#350 KCM CU, 15KV, 133%, MV-105, & (1)#350 KCM CU 600V GRD
(2)5"C.O.-SPARE | 18 | (2)5"C-SPARE |
- CONTINUED ON SHEET E2.1

