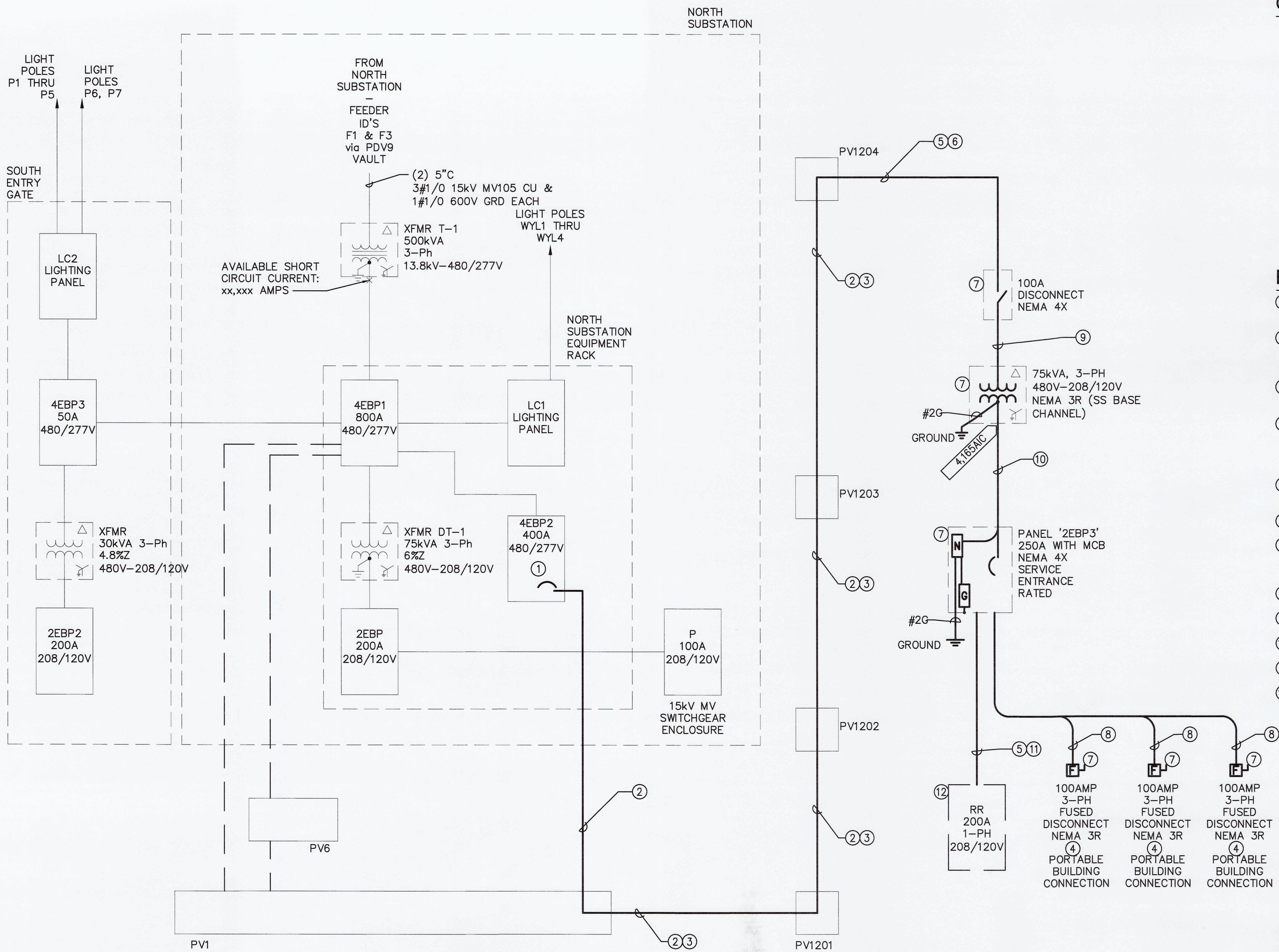




GENERAL NOTES

1. LIGHT LINES INDICATE EXISTING EQUIPMENT AND HEAVY(DARK) LINES INDICATE NEW EQUIPMENT AND MATERIALS.
2. PROVIDE PVC COATED GALVANIZED RIGID STEEL ABOVE GRADE AND WHEN TRANSITIONING FROM BELOW GRADE.
3. PROVIDE PVC COATED GALVANIZED RIGID STEEL FOR BENDS 45-DEGREES AND GREATER BELOW GRADE.
4. PROVIDE PVC SCHEDULE 80 CONDUIT BELOW GRADE.
5. ELECTRICAL METALLIC TUBING (EMT) CONDUIT IS NOT ALLOWED.
6. SEE E4.1 AND E4.2 FOR PANEL SCHEDULES.

ELECTRICAL NOTES

- ① EXISTING 3-POLE CIRCUIT BREAKER IN EXISTING PANEL. SEE E4.1 FOR PANEL SCHEDULE, FOR SIZE.
- ② REMOVE EXISTING 3#1/0 SOUTH TRAILER FEEDER TO 30KVA TRANSFORMER, CONDUIT TO BE SWABBED CLEAN BEFORE PULLING NEW FEEDER
- ③ PROVIDE 3#3/0, #3G IN EXISTING 4" CONDUIT, SWAB CONDUIT UNTIL CLEAN.
- ④ PROVIDE NEMA 4X FUSED 3-PHASE DISCONNECT WITH NEUTRAL BUS AND GROUND BUS. SIZE FUSES TO TRAILER SERVICE SIZE, LOAD BALANCE PHASES TO PROVIDE EVEN LOADING BETWEEN PHASES ON PANEL '2EBP3'.
- ⑤ ALL TRENCHING, BACKFILL, CONDUITS, AND DUCTBANKS PROVIDE BY CONTRACTOR.
- ⑥ PROVIDE BURIED 2-1/2" CONDUIT, WITH 3#3/0, #3G.
- ⑦ PROVIDE EQUIPMENT, PROVIDE MOUNTING USING STAINLESS STEEL STRUT AND STAINLESS STEEL HARDWARE, AND EQUIPMENT MOUNTING PAD. SEE E5.0 DETAIL 2.
- ⑧ PROVIDE 1-1/2" CONDUIT WITH 4#2, #8G.
- ⑨ PROVIDE 1-1/4" CONDUIT WITH 3#1, #6G.
- ⑩ PROVIDE 3" CONDUIT WITH 4#350KCM.
- ⑪ PROVIDE BURIED 2" CONDUIT WITH 3#3/0, #6G.
- ⑫ PROVIDE CONNECTION TO PREFABRICATED REST ROOM ELECTRICAL PANEL.

E4.0
23 OF 26

EB-1 PAVEMENT AND RESTROOM BUILDINGS

ONE LINE DIAGRAM

CONTRACT/CONS:	071907	TOWNSHIP:	21N	RANGE:	3E	SECTION:	36
M. ID:	201105.01	DAT-HRZ:	W83-SF	VERT:	PORT OF TACOMA BM#		
PHASE:	BID SET	PARCEL:	0321354035	DRAWING SCALE:	AS NOTED		

APPROVED:

DKS	4/12/2022	CHECKED BY:	DATE
SAB	4/13/2022	PROJ. ENGR	DATE
DIRECTOR	ENG. DATE	PRINTED BY:	scot Nov 30, 2023
PORT ADDRESS:	ONE SITUUM PLAZA	TACOMA, WA	98401-1837



kpff

ELCON ASSOCIATES, INC.
1800 CHERRY STREET, SUITE 300
SEATTLE, WA 98108
TEL: (206) 465-2022
FAX: (206) 465-2022

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401-1837

MARK:	REVISION:	BY:	DATE:

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PANELBOARD 2EBP2				200 A BUS		SECTIONS: 1		SURFACE MOUNTED					
208/ 120V 3 PHASE 4 WIRE				200 A MCB		LUGS: SINGLE		NEMA: 1					
LOCATION: ENTRY GATE				22,000 AIC		FEED: 4EBP3 via 30kVA		NUMBER OF POLES: 30					
CKT	TYPE	SERVES		C.B.	KVA	CONNECTED PHASE LOAD		KVA	C.B.	SERVES		TYPE	CKT
1	LI	LIGHTS, ENCLOSURE		20 / 1	0.20	0.4		0.18	20 / 1	RECEPT, BETWEEN PNLS		RE	2
3	RE	RECEPT, BETWEEN PNLS		20 / 1	0.18	0.5		0.36	20 / 1	RECEPT, RACK		RE	4
5			OFF	20 / 1		0.0			20 / 1		OFF		6
7			OFF	20 / 1		0.0			20 / 1		OFF		8
9			OFF	20 / 1		0.0			20 / 1		OFF		10
11			OFF	20 / 1		0.0			20 / 1		OFF		12
13			OFF	20 / 1		0.0			20 / 1		OFF		14
15			OFF	50 / 2		0.0			20 / 1	LC2		MC	16
17			---			0.0			100 / 2				18
19						0.0			---				20
21						0.0							22
23						0.0							24
25						0.0							26
27						0.0							28
29						0.0							30
						0.4	0.5	0.0	CALCULATED LOAD				1.0 KVA
						MAXIMUM AMPS PER PHASE						4.5 AMPS	
NOTES:													
1. EXISTING PANEL													

PANELBOARD 2EBP3				250 A BUS		SECTIONS: 1				SURFACE MOUNTED			
208/ 120V 3 PHASE 4 WIRE				250 A MCB		LUGS: SINGLE				NEMA: 4X (SS)			
LOCATION: ENTRY TRAILERS/RESTRm				22,000 AIC		FEED: 4EBP3 via 75kVA				NUMBER OF POLES: 30			
CKT	TYPE	SERVES	C.B.	KVA	CONNECTED PHASE LOAD		KVA	C.B.	SERVES		TYPE	CKT	
1	SF	TRAILER, NORTH PORTABLE	100 / 3	10.00	3.3			20 / 1				2	
3		----- FUSED DISCONNECT	----		3.5		0.18	20 / 1	RECPT, EQUIP RACK		RE	4	
5		-----	----		3.5		0.18	20 / 1	RECPT, HOT BOX		RE	6	
7	SF	TRAILER, NORTH PORTABLE	100 / 3	10.00	4.8		3.00	20 / 2	CONEX TENT		SF	8	
9		----- FUSED DISCONNECT	----		4.8			----	----- CONEX TENT			10	
11		-----	----		4.8		3.00	20 / 2	RR TRAILER 3R02		SF	12	
13	SF	TRAILER, NORTH PORTABLE	100 / 3	10.00	4.8			----	----- NORTH			14	
15		----- FUSED DISCONNECT	----		4.8		3.00	20 / 2	RR TRAILER 3R05		SF	16	
17		-----	----		4.8			----	----- SOUTH			18	
19	SF	REST--ROOM BLDG	200 / 2	20.00	10.0			20 / 2				20	
21		-----	----		10.0			----				22	
23					0.0							24	
25					0.0		0.05	30 / 3	SURGE PROTECTION DEVICE		MC	26	
27					0.0			----	----- (SPD)			28	
29					0.0			----	-----			30	
					23.0	23.2	13.2	CALCULATED LOAD				59.4 KVA	
									MAXIMUM AMPS PER PHASE				193.3 AMPS
NOTES:													
1. PROVIDE SERVICE ENTRANCE RATED PANEL													
2. PROVIDE 125KA SURGE PROTECTION DEVICE, MINIMUM.													
3. TRANSFER CIRCUIT FROM PANEL 'TRLR'													

PANELBOARD TRLR				100 A BUS	SECTIONS: 1				SURFACE MOUNTED				
208/ 120V 1 PHASE 3 WIRE				100 A MCB	LUGS: SINGLE				NEMA: 3R				
LOCATION: SOUTH TRAILER				10,000 AIC	FEED: via 30kVA XFMR				NUMBER OF POLES: 20				
CKT	TYPE	SERVES		C.B.	KVA	CONNECTED PHASE LOAD		KVA	C.B.	SERVES		TYPE	CKT
		MAIN CB	MAIN CB	100 / 2		0.0				NOT USEABLE			
		----	MAIN CB	----		0.0				NOT USEABLE			
1	SF	CONEX TENT		20 / 2	3.00	3.0		3.00	20 / 2	RR TRAILER 3R02		SF	2
3		----		CONEX TENT	----		3.0		----	----	NORTH		4
5				OFF	20 / 1	1.5		3.00	20 / 2	RR TRAILER 3R05		SF	6
7				OFF	20 / 1		1.5		----	----	SOUTH		8
9						0.0			20 / 1		OFF		10
11						0.0							12
13						0.0							14
15						0.0							16
						4.5	4.5	CALCULATED LOAD				9.0 KVA	
								MAXIMUM AMPS PER PHASE				43.3 AMPS	
NOTES:													
1. EXISTING, TO BE DEMOLISHED													
2. TRANSFER CIRCUIT TO PANEL '2EBP3'													

E4.2

25 OF 26

CONT/CONS: 071907
M. ID: 201105.01
PHASE: BID SET

TOWNSHIP: 21N
DAT-HRZ: W83-SF
PARCEL: 0321354035

RANGE: 3E
SECTION: 36
PORT OF TACOMA BM#
DRAWING SCALE: AS NOTED

EB-1 PAVEMENT AND RESTROOM BUILDINGS

PANEL SCHEDULE

APPROVED: *[Signature]*

CKS 4/12/2022

CHECKED BY DATE

SAB 4/13/2022

DIRECTOR ENG. DATE

PRINTED BY: sat Nov 30, 2023

PORT ADDRESS: ONE SITCUM PLAZA

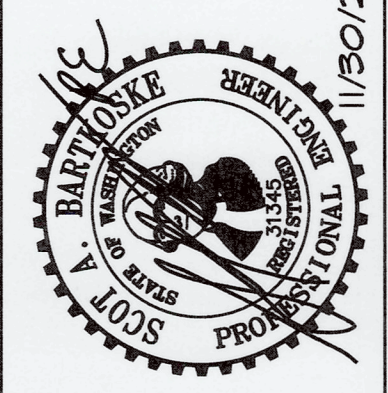
TACOMA, WA 98401-1837



ELCON ASSOCIATES, INC.
ENGINEERS - CONSULTANTS
10000 1ST AVE. SUITE 200
SEATTLE, WASHINGTON 98108
P.O. BOX 1837 TACOMA, WA 98401 (206) 385-1841
FAX (206) 245-8205

kpff

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