

PORT OF TACOMA

HUSKY T3 CRANE POWER VAULT PLUG-IN PROJECT NO. 202038 CONTRACT NO. PA000000181

PORT COMMISSIONERS:

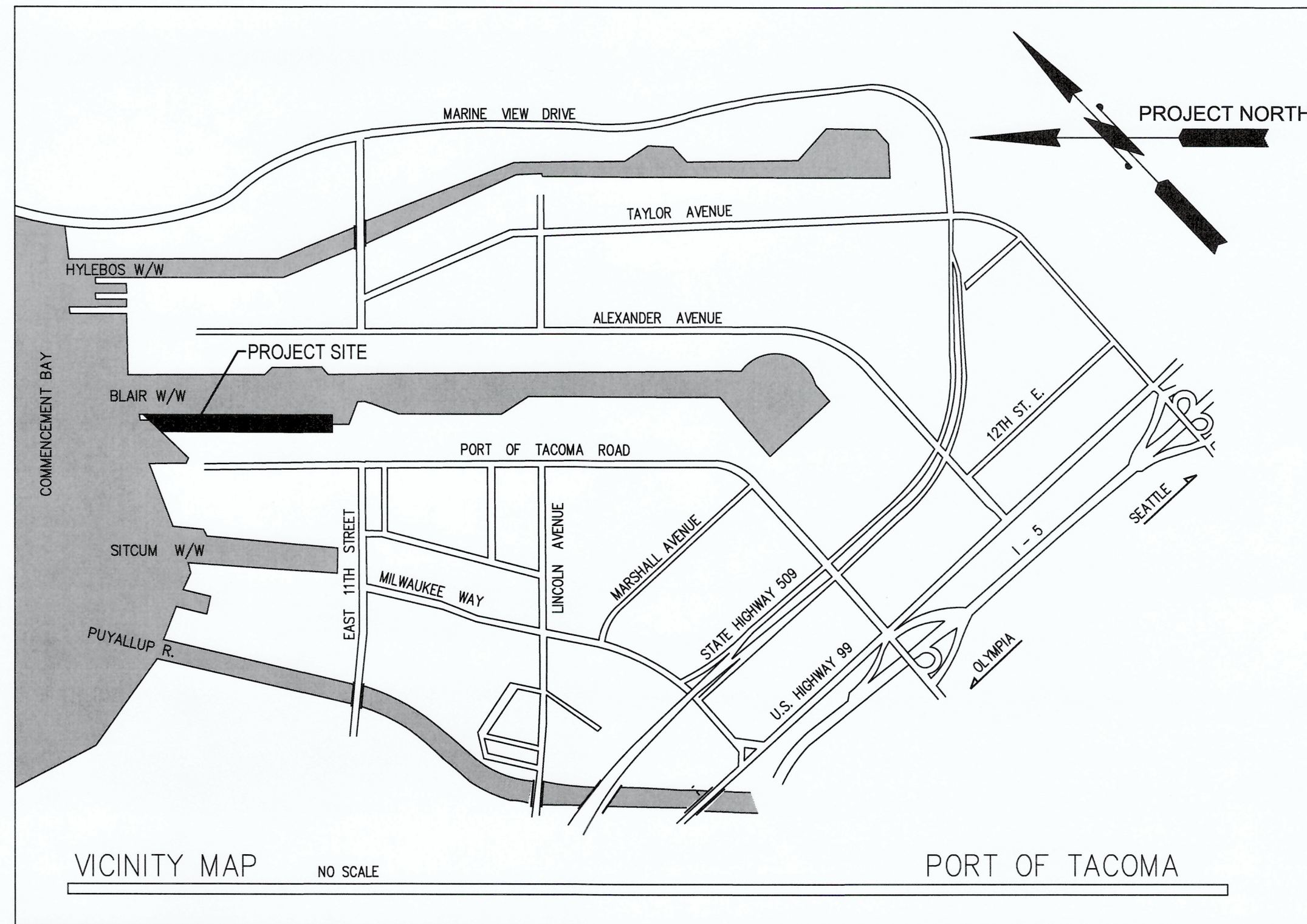
RICHARD P. MARZANO
JOHN MCCARTHY
KRISTIN ANG
DEANNA KELLER
JT WILCOX

PORT STAFF:

JOHN WOLFE
NWSA Chief Executive Officer

THAIS HOWARD, P.E.
Sr. Director of Engineering

ELLY BULEGA, P.E.
Project Manager



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GFT Infrastructure, Inc.
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6741
G-001
SH 1 OF 16
CONT/CONS: PA000000181
M. ID: 202038
PHASE: BID SET

HUSKY T3 CRANE POWER VAULT PLUG-IN
PORT OF TACOMA PIER 3
COVER SHEET

TOWNSHIP: TSHIP RANGE: RANGE SECTION: SECTION
DAT-HRZ: WA83-SF VERT: D-VERT
PARCEL: PORT_PARCEL# DRAWING SCALE: SCALE

APPROVED: *[Signature]*
DIRECTOR ENGR. DATE: jdmusser Jun 08, 2026
PRINTED BY: jdmusser Jun 08, 2026
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

CHECKED BY: DATE: 06/08/26
PROJ. ENGR DATE: 06/08/26
DATE: 06/08/26

Port of Tacoma
P.O. BOX 1837 TACOMA, WA 98401 (206)885-5841

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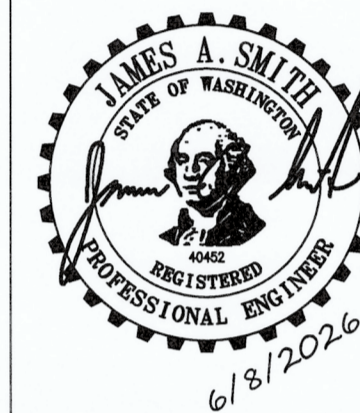
ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
EQUIPMENT, WIRING AND RACEWAYS	
	GROUNDING SYSTEM PER CODE
	EXISTING PANELBOARD TO BE RETAINED
	TRANSFORMER
	HANDHOLE
	MANHOLE - PRE-CAST CONCRETE W/COVER
MEDIUM VOLTAGE ONE-LINE DIAGRAM	
	200A LOAD-BREAK BUSHING (# INDICATES QUANTITY)
	200A LOAD-BREAK ELBOW CABLE TERMINATION (# INDICATES QUANTITY)
	LIVE FRONT MEDIUM VOLTAGE LUG (# INDICATES QUANTITY)
	LIVE FRONT STRESS CONE CABLE TERMINATION (# INDICATES QUANTITY)
	MEDIUM VOLTAGE 200AMP JUNCTION. # INDICATES NUMBER OF JUNCTIONS.
	CURRENT TRANSFORMER WITH PRIMARY TO SECONDARY RATIO 'A:B' AND RATING FACTOR 'C' AS INDICATED.
MISCELLANEOUS	
	FLAG NOTE
	W INDICATES WEATHERPROOF FOR ALL DEVICES, PROVIDE LOCKING COVER ON RECEPTACLES.
	ALL DEVICES WITH LIGHT LINE WEIGHT INDICATES EXISTING TO BE RETAINED
	ALL DEVICES WITH DASH LINE INDICATES EXISTING TO BE REMOVED
	DETAIL CALL OUT - A INDICATES DETAIL IDENTIFICATION, E2 INDICATES REFERENCE SHEET TAKEN FROM, E3 INDICATES SHEET DRAWN ON

ELECTRICAL ABBREVIATIONS	
AIC	AMPERE INTERRUPTING CAPACITY
AFC	AVAILABLE FAULT CURRENT
C.	CONDUIT
CU	COPPER
FLA	FULL LOAD AMPERE(S)
GND	GROUND
KVA	KILOVOLT-AMPERE(S)
KW	KILOWATT(S)
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NTS	NOT TO SCALE
PH	PHASE
RECP	RECEPTACLE
SCH	SCHEDULE
UG	UNDER GROUND
V	VOLT(S)
VA	VOLT-AMPERE(S)
XFMR	TRANSFORMER

GENERAL ABBREVIATIONS	
EC	ELECTRICAL CONTRACTOR
GC	GENERAL CONTRACTOR
MFR	MANUFACTURER
REQ'D	REQUIRED

SEE E-611 - E-613 FOR CONDUIT, VAULT AND CONDUCTOR ABBREVIATIONS.



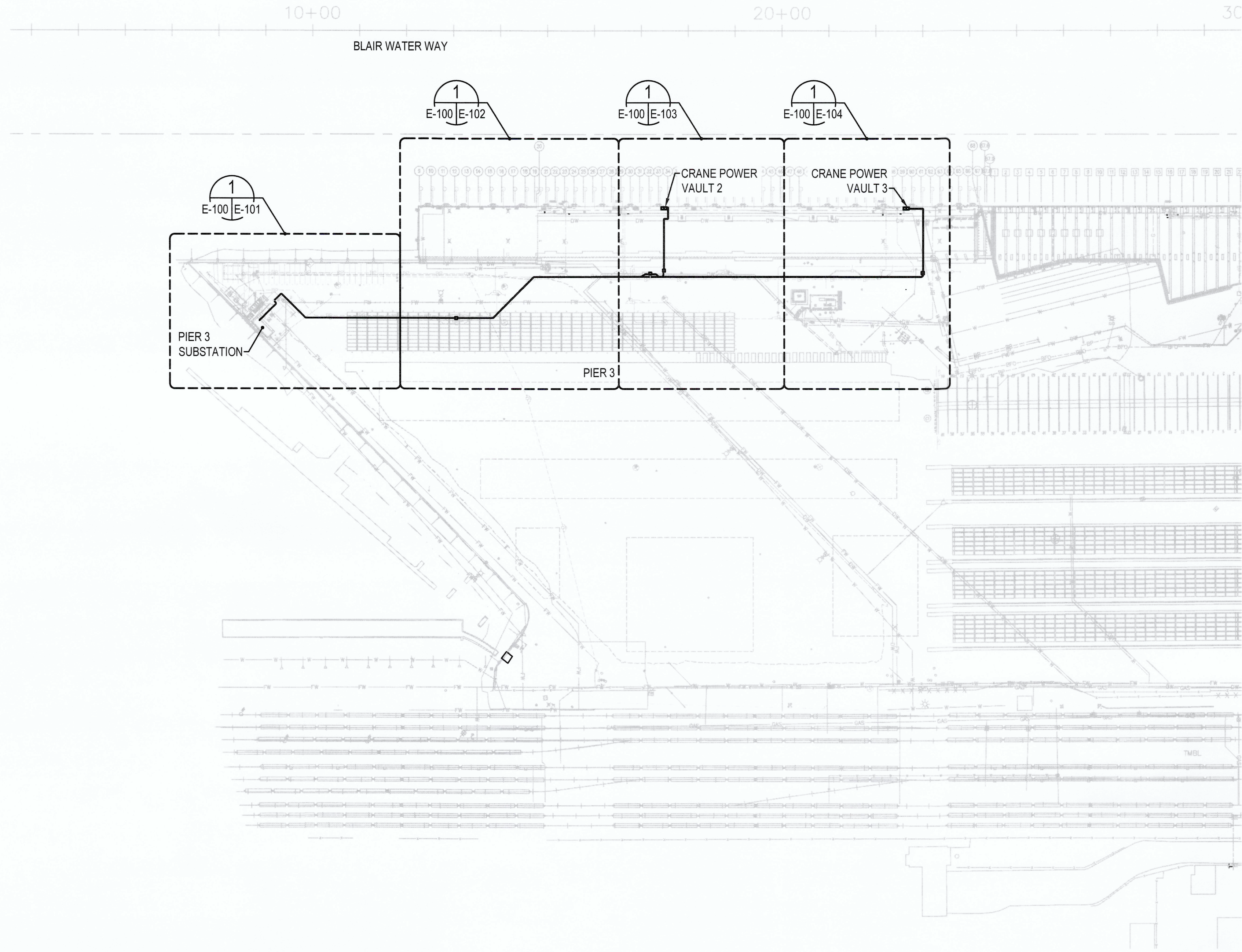
APPROVED: *James A. Smith*
 DIRECTOR ENG. DATE: 06/08/26
 PRINTED BY: jdmusser Jun 08, 2026
 PORT ADDRESS: ONE SITCUM PLAZA
 TACOMA, WA 98401-1837

HUSKY T3 CRANE POWER VAULT PLUG-IN
 PORT OF TACOMA PIER 3
 ELECTRICAL LEGEND AND ABBREVIATIONS

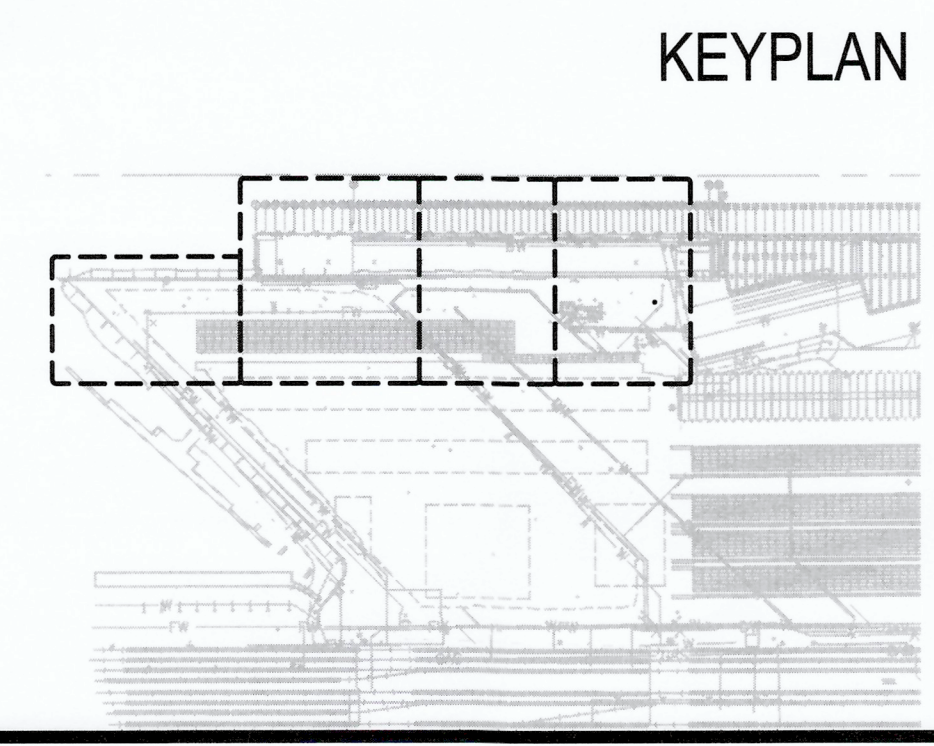
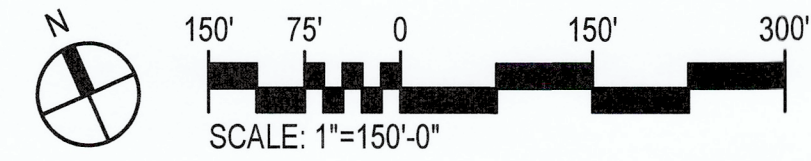
6741
E-001
 SH 2 OF 16
 CONT./CONS: PA000000181
 M. ID: 202038
 PHASE: BID SET

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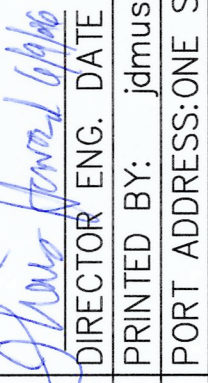
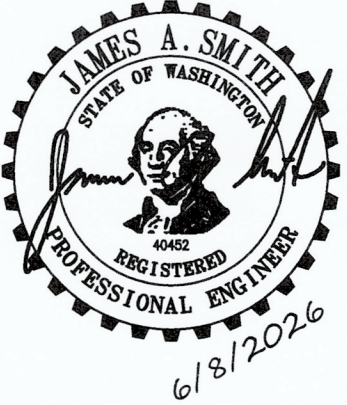

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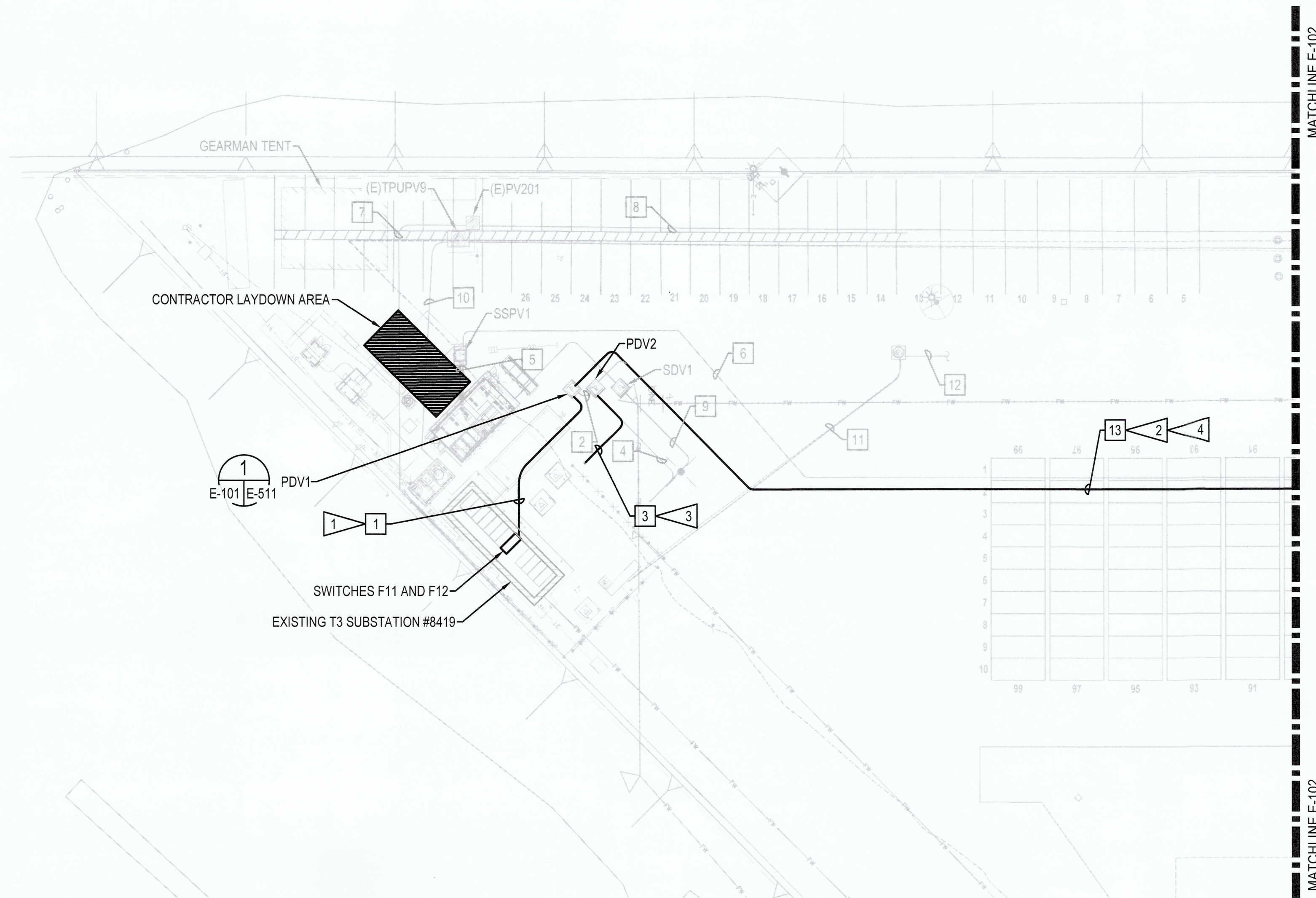


OVERALL ELECTRICAL SITE PLAN
SCALE: 1"=150'-0"

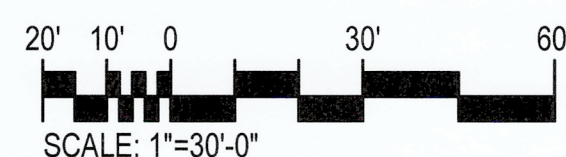


KEYPLAN

6741 E-100 SH 3 OF 16	CONT/CONS: PA000000181 M. ID: 202038 PHASE: BID SET	TOWNSHIP: TSHIP DAT-HRZ: WA83-SF PARCEL: PORT_PARCEL#	RANGE: RANGE SECTION: SECTION D-VERT: D-VERT DRAWING SCALE: SCALE	APPROVED:  DIRECTOR ENG. DATE PRINTED BY: jdmusser Jun 08, 2026 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	CHECKED BY: DATE PROJ. ENGR DATE TACOMA, WA 98401-1837			MARK: REVISION: BY: APPR: DATE:
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PARTIAL ELECTRICAL SITE PLAN
SCALE: 1"=30'-0"



CIRCUIT#

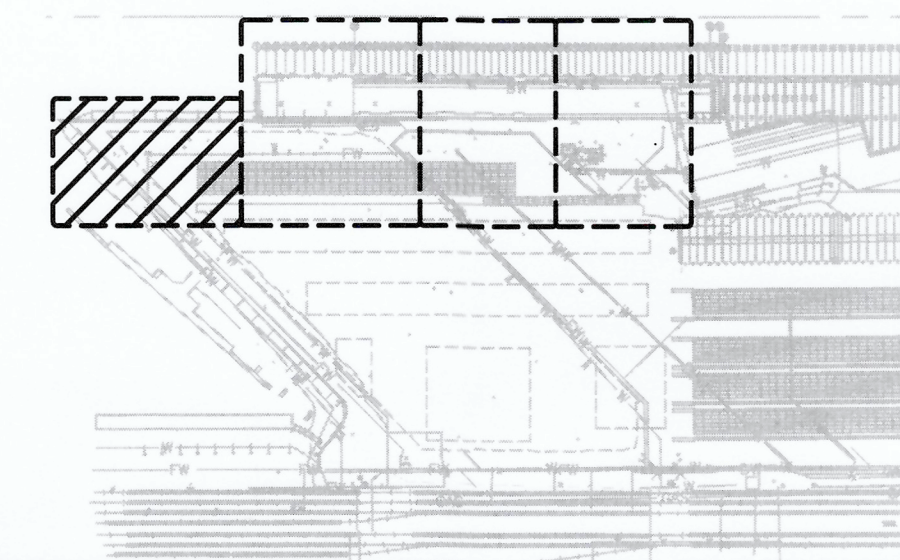
- 1 CP1,CP2,SP1,SP2,SP3,CP3,SP25
- 2 SP55
- 3 PD8,SP4,SP5,SP6,SP7,SP26,SP27,SP56 CP4,CP5,CP6,CP7
- 4 PD8,SP56
- 5 SSP1
- 6 SSP2
- 7 CP17,CP18,CP19,CP17,SP18,SP19,SP20
- 8 CP20
- 9 SL8,SP35,SP36,SP37,SP38,WS2,WS21,WS38,WS39,WS59,WS60,WS77
- 10 TPU1
- 11 SL1,SP58
- 12 SL2
- 13 CP8,PD9,SL6,SP9,SP39,SSP2,SSP2,WS3,WS22,WS40,WS41,WS61,WS62,WS78 CP9,CP10,SP11

GENERAL NOTES:

- 1. CIRCUIT AND CONDUIT DESIGNATIONS SHOWN ON PLANS REFLECT EXISTING CONDITIONS. CHANGES TO THESE DESIGNATIONS ARE INDICATED IN THE CONDUIT AND CONDUCTOR SCHEDULES ON SHEETS E-611 THROUGH E-613. CONTRACTOR TO CONFIRM CIRCUIT ROUTING IN THE FIELD.

ELECTRICAL NOTES:

- 1 PROVIDE NEW (3) 15KV, MV105 #3/0 CU, 600V, TYPE G OR W #3/0 CU GND, AND 600V, TYPE G OR W #10 CU GND CHECK CONDUCTORS IN EXISTING CONDUITS CP3 AND SP25 FOR SWITCHES F11 AND F12. ROUTE THROUGH PDV1, PDV3, PDV6 AND PDV8 TO CPV2.
- 2 PROVIDE NEW (3) 15KV, MV105 #3/0 CU, 600V, TYPE G OR W #3/0 CU GND, AND 600V, TYPE G OR W #10 CU GND CHECK CONDUCTORS IN EXISTING CONDUITS CP9 AND SP11 FOR SWITCHES F11 AND F12. ROUTE THROUGH PDV1, PDV3, PDV6 AND PDV8 TO CPV2.
- 3 DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS FOR CIRCUITS CP4, CP5, CP6 AND CP7.
- 4 DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS FOR CIRCUIT CP10.



	DATE:	
	APPR:	
	BY:	
	REVISION:	
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DIRECTOR ENG. DATE:	PROJ. ENGR. DATE:	06/08/26
PRINTED BY:	jdmusser Jun 08, 2026	
PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837		
HUSKY T3 CRANE POWER VAULT PLUG-IN PARTIAL ELECTRICAL SITE PLAN		
TOWNSHIP:	RANGE:	SECTION:
DAT-HRZ:	WA83-SF	VERT: D-VERT
PARCEL:	PORT_PARCEL#	DRAWING SCALE:
6741		
E-101		
SH 4 OF 16		
CONT/CONS: PA00000181		
M. ID: 202038		
PHASE: BID SET		

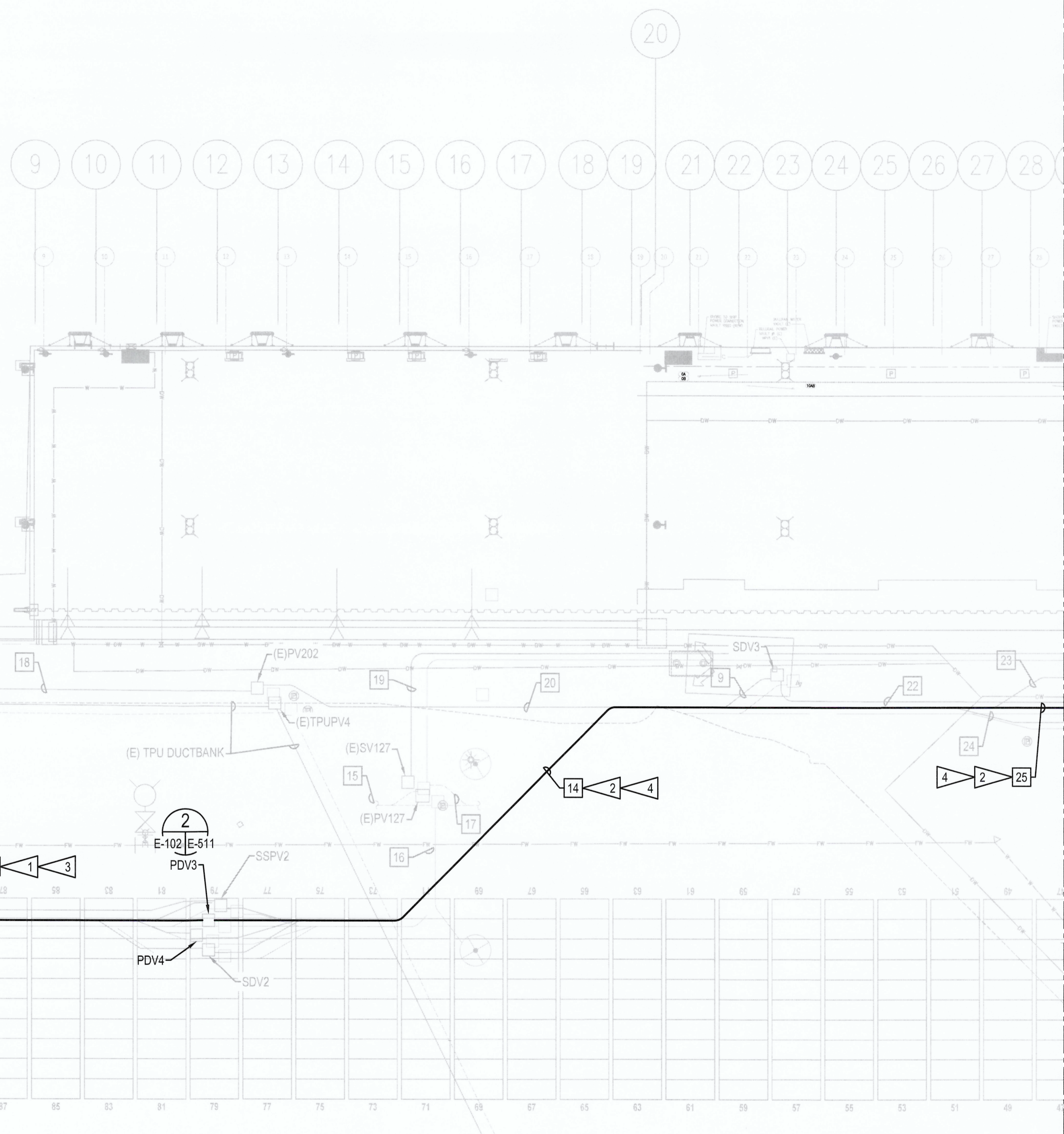
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MATCHLINE E-101

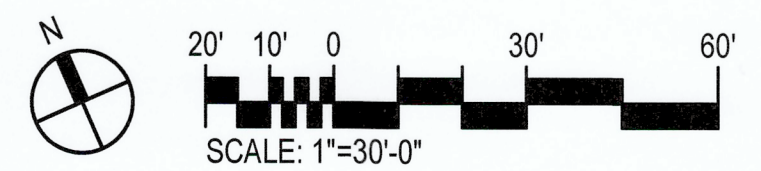
MATCHLINE E-101

MATCHLINE E-103

MATCHLINE E-103



PARTIAL ELECTRICAL SITE PLAN
SCALE: 1"=30'-0"



CIRCUIT#

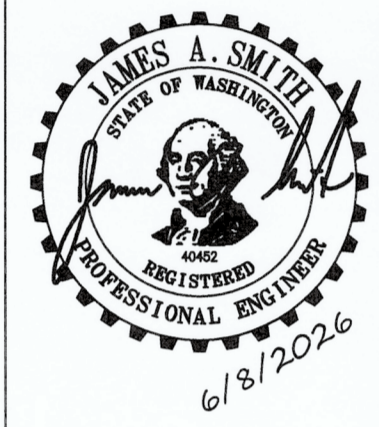
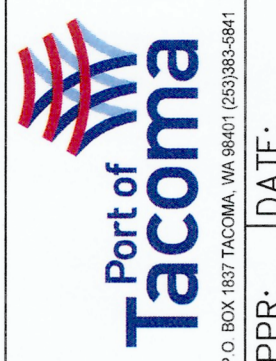
- 13 CP8,PD9,SL9,SP9,SP39,SSP2,WS3,WS22,WS40,WS41,WS61,WS62,WS78 CP9,CP10,SP11
- 14 CP11,CP12,PD10,SL10,SP10,SP12,SP40,SSP3,WS4,WS23,WS42,WS43,WS63,WS64,WS79 (2)SP8,CP13
- 15 SL2
- 16 SL7
- 17 SL3
- 18 CP20
- 19 FOB1
- 20 CP21,SP21
- 21 SL10,SP40,WS4,WS23,WS42,WS43,WS63,WS64,WS79
- 22 SL11,SP43,WS7,WS26,WS46,WS47,WS67,WS82
- 23 SSP3
- 24 CP11,SP10
- 25 CP12,PD10,SP12, (2)SP8,CP13

GENERAL NOTES:

1. CIRCUIT AND CONDUIT DESIGNATIONS SHOWN ON PLANS REFLECT EXISTING CONDITIONS. CHANGES TO THESE DESIGNATIONS ARE INDICATED IN THE CONDUIT AND CONDUCTOR SCHEDULES ON SHEETS E-611 THROUGH E-613. CONTRACTOR TO CONFIRM CIRCUIT ROUTING IN THE FIELD.

ELECTRICAL NOTES:

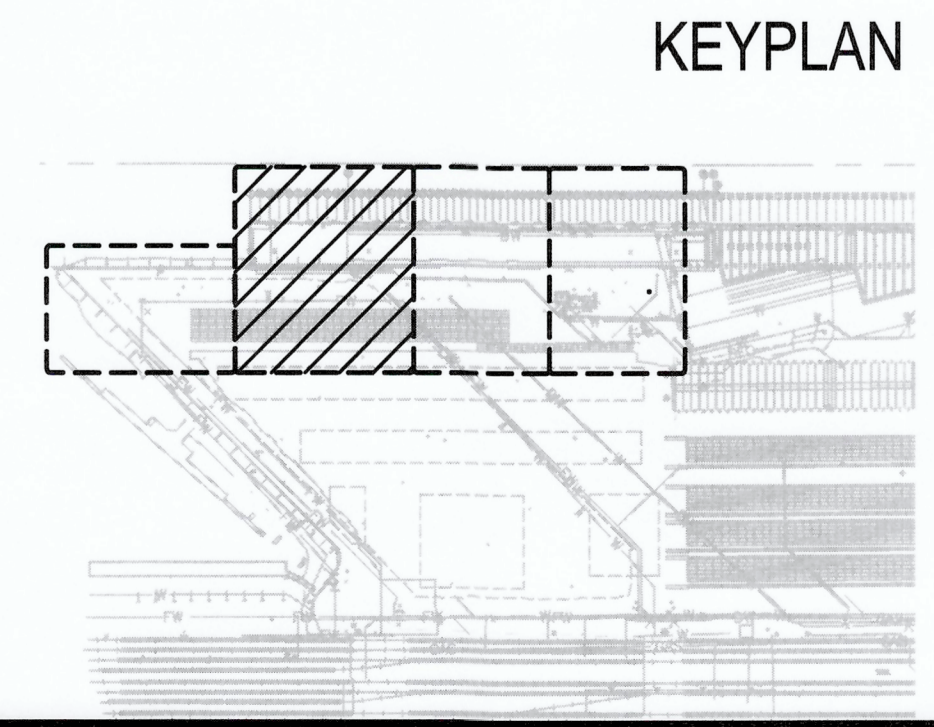
- 1 PROVIDE NEW (3) 15KV, MV105 #3/0 CU, 600V, TYPE G OR W #3/0 CU GND, AND 600V, TYPE G OR W #10 CU GND CHECK CONDUCTORS IN EXISTING CONDUITS CP9 AND SP11 FOR SWITCHES F11 AND F12. ROUTE THROUGH PDV1, PDV3, PDV6 AND PDV8 TO CPV2.
- 2 PROVIDE NEW (3) 15KV, MV105 #3/0 CU, 600V, TYPE G OR W #3/0 CU GND, AND 600V, TYPE G OR W #10 CU GND CHECK CONDUCTORS IN (2) EXISTING CONDUITS SP8 FOR SWITCHES F11 AND F12. ROUTE THROUGH PDV1, PDV3, PDV6 AND PDV8 TO CPV2.
- 3 DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS FOR CIRCUIT CP10.
- 4 DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS FOR CIRCUIT CP13.



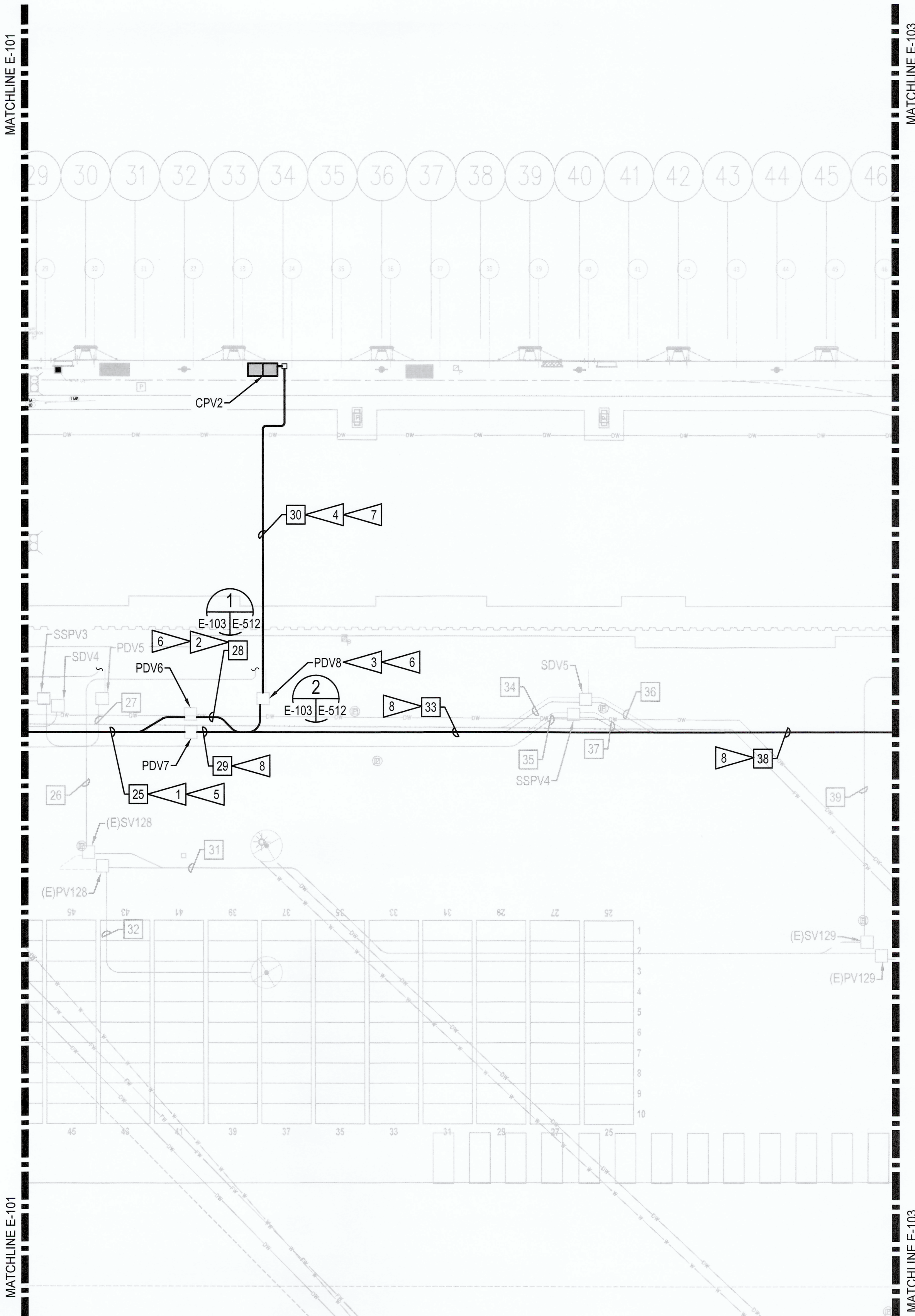
CHECKED BY:	06/08/26	DATE
PROJECT ENGR:	06/08/26	DATE
PRINTED BY:	jdruesser	Jun 08, 2026
PORT ADDRESS:	ONE SITCUM PLAZA TACOMA, WA 98401-1837	

APPROVED:	<i>[Signature]</i>		
HUSKY T3 CRANE POWER VAULT PLUG-IN			
PARTIAL ELECTRICAL SITE PLAN			
TOWNSHIP:	TSHIP	RANGE:	SECTION:
DATE-HRZ:	WAB3-SF	VERT:	D-VERT
PARCEL:	PORT_PARCEL#	DRAWING SCALE:	SCALE

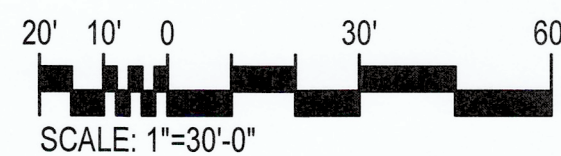
6741	E-102		
SH 5	OF 16		
CONT/CONS:	PA00000181	TOWNSHIP:	TSHIP
M. ID:	202038	DATE-HRZ:	WAB3-SF
PHASE:	BID SET	PARCEL:	PORT_PARCEL#



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PARTIAL ELECTRICAL SITE PLAN
SCALE: 1"=30'-0"



CIRCUIT#

- 25 CP12,PD10,SP12 (2)SP8,CP13
- 26 FOB2
- 27 CP11,SP10
- 28 CP22,SP14 (2)SP13,CP14
- 29 CP15,CP22,CP23,PD11,SL12,SP13,SP14,SP15,SP16,SP46,SP57,SSP5,WS10,WS29,WS50,WS68,WS85 CP16
- 30 SP23,CP15,CP25
- 31 SL4
- 32 SL6
- 33 CP23,PD11,SL12,SP15,SP16,SP46,SP57,SSP5,WS10,WS29,WS50,WS68,WS85 CP16
- 34 SL12,SP46,WS10,WS29,WS50,WS68,WS85
- 35 SSP5
- 36 SL13,SP49,WS13,WS32,WS53,WS71,WS88
- 37 SSP6
- 38 CP23,PD11,SL13,SP15,SP16,SP49,SP57,SSP6,WS13,WS32,WS53,WS71,WS88 CP16
- 39 FOB3

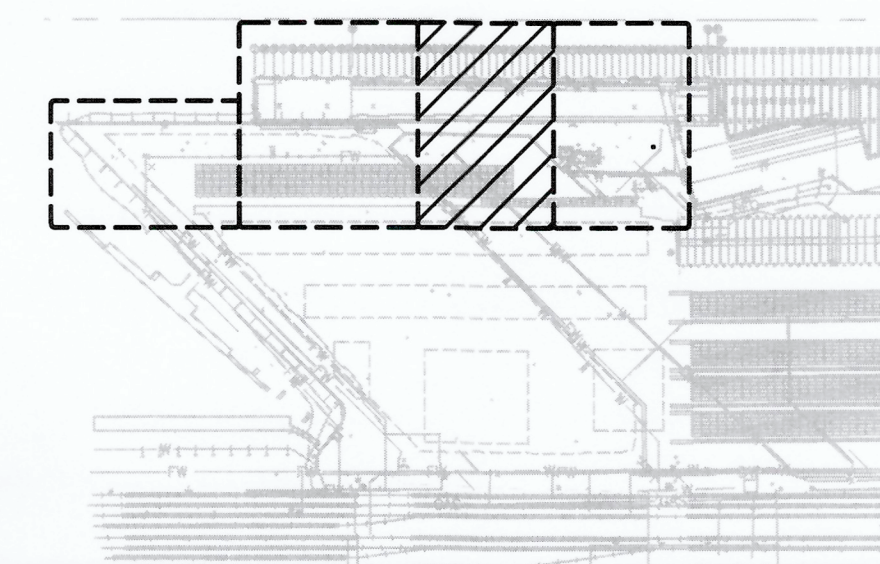
GENERAL NOTES:

1. CIRCUIT AND CONDUIT DESIGNATIONS SHOWN ON PLANS REFLECT EXISTING CONDITIONS. CHANGES TO THESE DESIGNATIONS ARE INDICATED IN THE CONDUIT AND CONDUCTOR SCHEDULES ON SHEETS E-611 THROUGH E-613. CONTRACTOR TO CONFIRM CIRCUIT ROUTING IN THE FIELD.

ELECTRICAL NOTES:

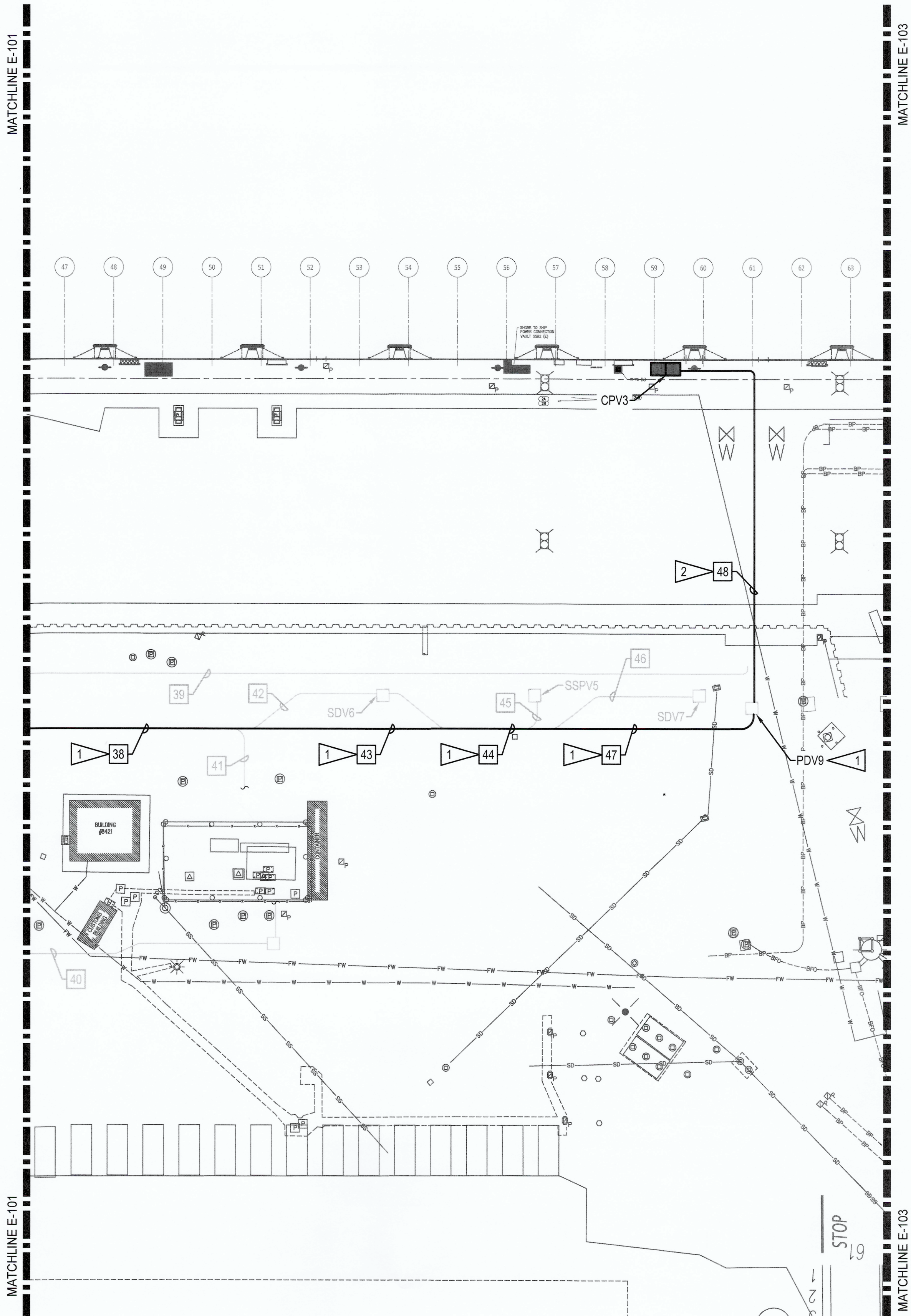
- 1 PROVIDE NEW (3) 15KV, MV105 #3/0 CU, 600V, TYPE G OR W #3/0 CU GND, AND 600V, TYPE G OR W #10 CU GND CHECK CONDUCTORS IN (2) EXISTING CONDUITS SP8 FOR SWITCHES F11 AND F12. ROUTE THROUGH PDV1, PDV3, PDV6 AND PDV8 TO CPV2.
- 2 PROVIDE NEW (3) 15KV, MV105 #3/0 CU, 600V, TYPE G OR W #3/0 CU GND, AND 600V, TYPE G OR W #10 CU GND CHECK CONDUCTORS IN (2) EXISTING CONDUITS SP13 AND SP25 FOR SWITCHES F11 AND F12. ROUTE THROUGH PDV1, PDV3, PDV6 AND PDV8 TO CPV2.
- 3 DEMOLISH REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS IN VAULT PDV8, INCLUDING UPSTREAM CONDUCTORS ENTERING THE VAULT, AND DOWNSTREAM CONDUCTORS EXITING THE VAULT.
- 4 PROVIDE NEW (3) 15KV, MV105 #3/0 CU, 600V, TYPE G OR W #3/0 CU GND, AND 600V, TYPE G OR W #10 CU GND CHECK CONDUCTORS IN EXISTING CONDUITS SP23 AND CP25 FOR SWITCHES F11 AND F12. ROUTE THROUGH PDV1, PDV3, PDV6 AND PDV8 TO CPV2.
- 5 DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS FOR CIRCUIT CP13.
- 6 DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS FOR CIRCUIT CP14.
- 7 DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS FOR CIRCUIT CP15.
- 8 DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS FOR CIRCUIT CP16.

KEYPLAN

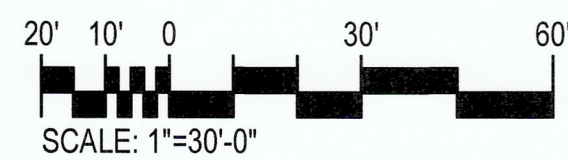


 P.O. BOX 1837 TACOMA, WA 98401 (253)854-8481	APPR:	BY:	REVISION:	DATE:	
	MARK:	BY:	REVISION:	DATE:	
	CHECKED BY: <i>[Signature]</i> DATE: 06/08/26 DIRECTOR ENG. DATE: 06/08/26 PRINTED BY: jdmusser Jun 08, 2026 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	HUSKY T3 CRANE POWER VAULT PLUG-IN PARTIAL ELECTRICAL SITE PLAN			6741 E-103 SH 6 OF 16
TOWNSHIP: TSHIP DAT-HRZ: WA83-SF PARCEL: PORT_PARCEL#		RANGE: RANGE SECTION: SECTION VERT: D-VERT DRAWING SCALE: SCALE		CONT/CONS: PA000000181 M. ID: 202038 PHASE: BID SET	

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PARTIAL ELECTRICAL SITE PLAN
SCALE: 1"=30'-0"



CIRCUIT#

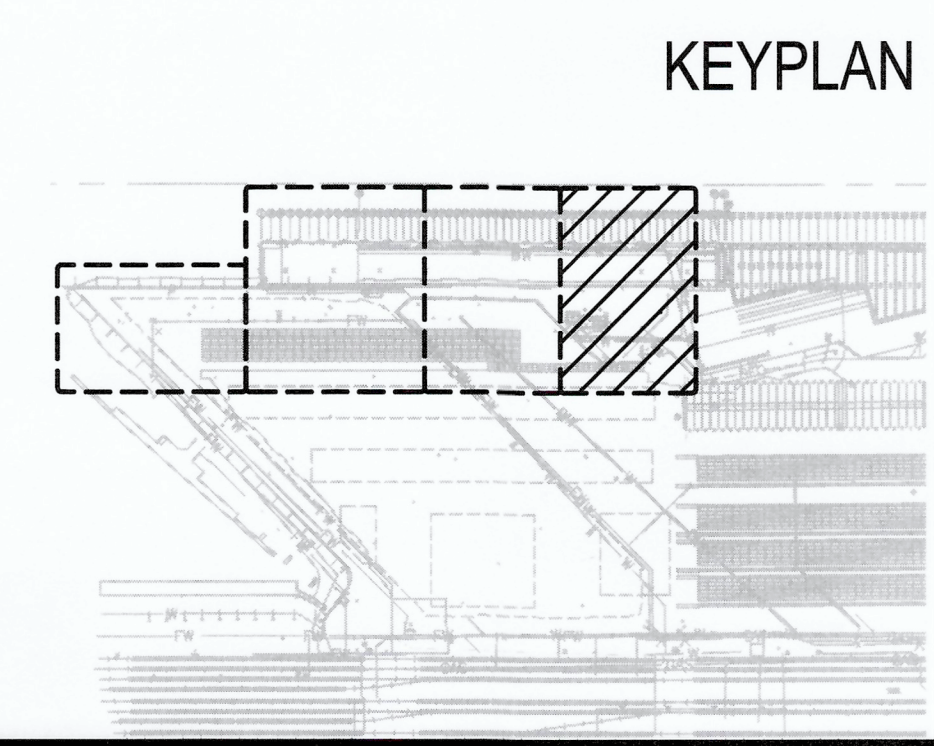
- 38 CP23,PD11,SL13,SP15,SP16,SP49,SP57,SSP6,WS13,WS32,WS53,WS71,WS88,CP16
- 39 FOB3
- 40 SL5
- 41 PD11,SP57
- 42 SL13,SP49,WS13,WS32,WS53,WS71,WS88
- 43 CP23,SP15,SP16,SSP6,CP16
- 44 CP23,SP15,SP16,SSP6,SL14,SP52,WS16,WS56,WS74,WS91,CP16
- 45 SSP6
- 46 SL14,SP52,WS16,WS35,WS56,WS74,WS91
- 47 CP23,SP15,SP16,CP16
- 48 CP16

GENERAL NOTES:

1. CIRCUIT AND CONDUIT DESIGNATIONS SHOWN ON PLANS REFLECT EXISTING CONDITIONS. CHANGES TO THESE DESIGNATIONS ARE INDICATED IN THE CONDUIT AND CONDUCTOR SCHEDULES ON SHEETS E-611 THROUGH E-613. CONTRACTOR TO CONFIRM CIRCUIT ROUTING IN THE FIELD.

ELECTRICAL NOTES:

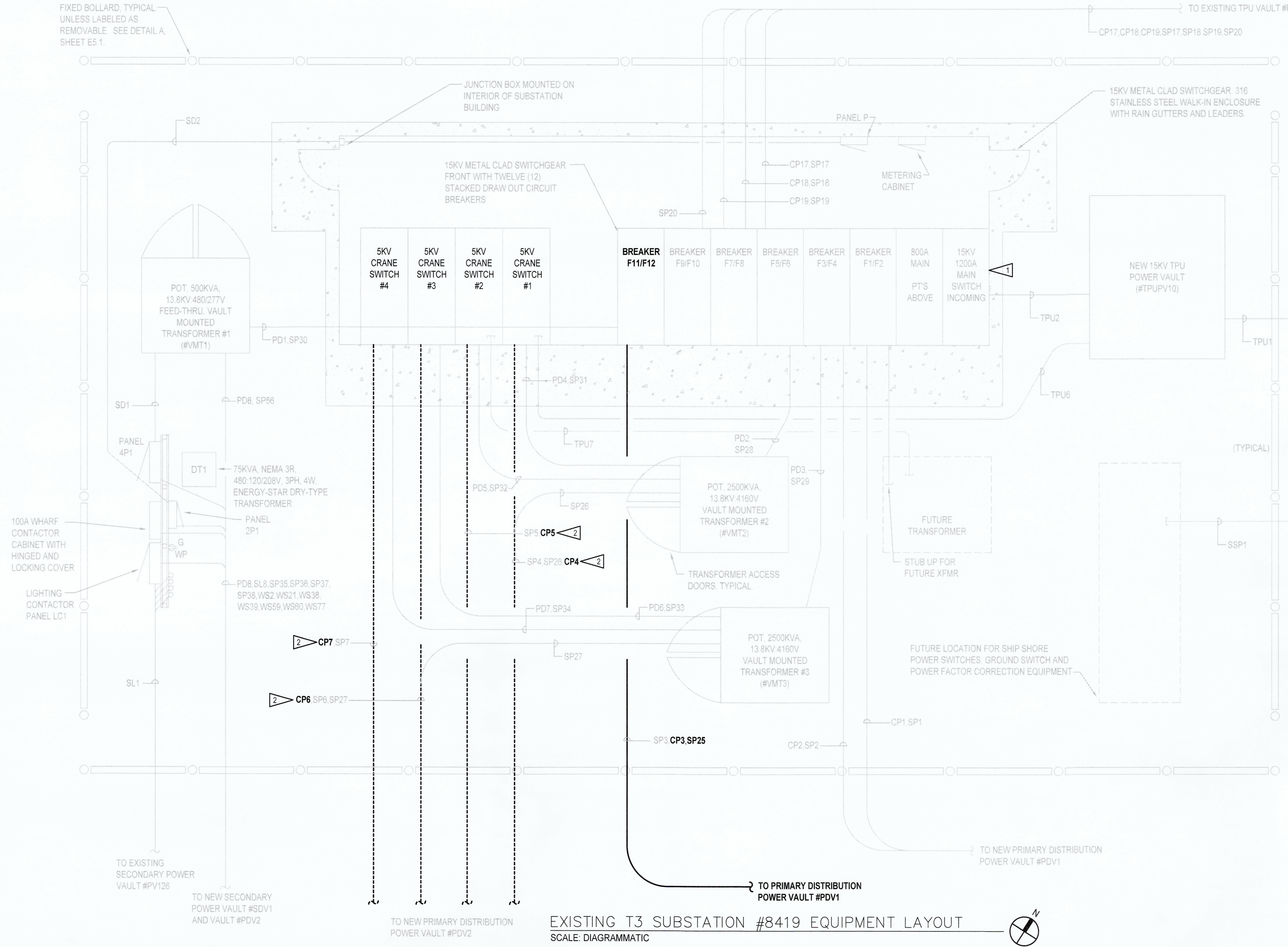
1. DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS FOR CIRCUIT CP16.
2. DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CONDUCTORS FOR CIRCUIT SP24.



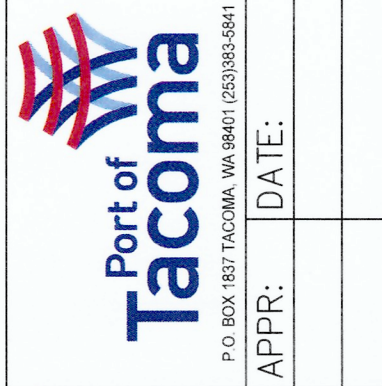
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	APPROVED:	HUSKY T3 CRANE POWER VAULT PLUG-IN PORT OF TACOMA PIER 3 PARTIAL ELECTRICAL SITE PLAN
6741 E-104 SH 7 OF 16	TOWNSHIP: TSHIP RANGE: RANGE SECTION: SECTION DAT-HRZ: WA83-SF VERT: D-VERT PARCEL: PORT_PARCEL# DRAWING SCALE: SCALE	CONT/CONS: PA00000181 M. ID: 202038 PHASE: BID SET

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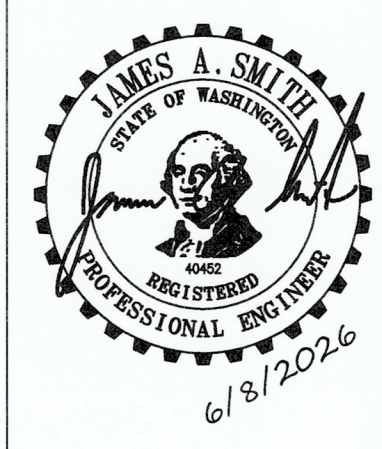
FIXED BOLLARD, TYPICAL UNLESS LABELED AS REMOVABLE. SEE DETAIL A, SHEET E5.1.



- ELECTRICAL NOTES:**
- 1 PROVIDE TESTING OF ALL RELAYS IN EXISTING SWITCHGEAR IN AGREEMENT WITH SPECIFICATION 26 28 12.
 - 2 DEMOLISH, REMOVE AND DISPOSE OF 5KV CONDUCTORS CONNECTED TO CIRCUITS CP4, CP5, CP6, CP7.



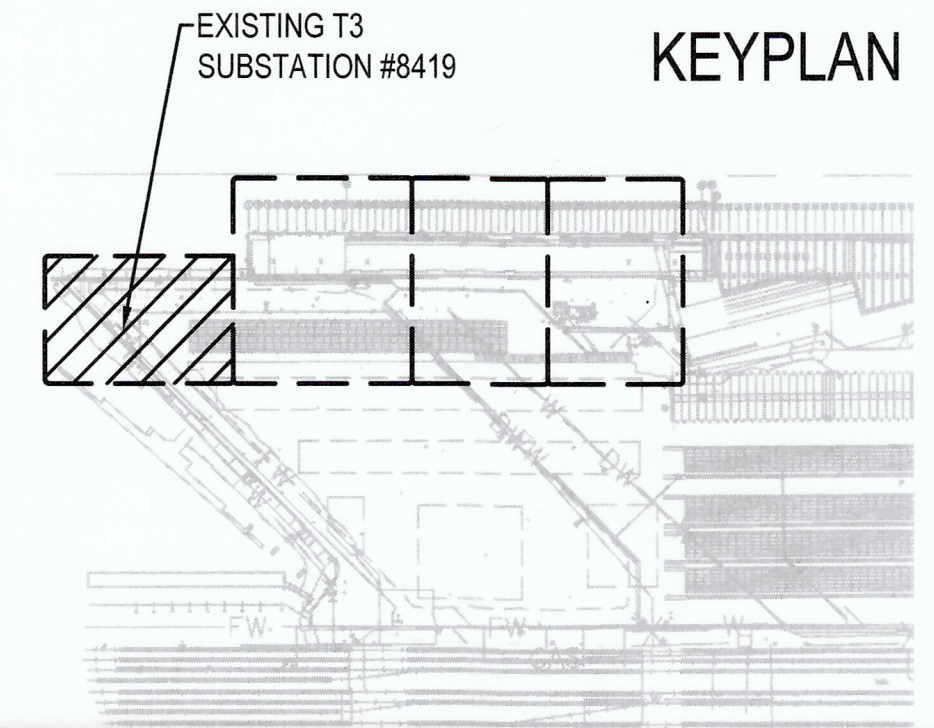
MARK:	REVISION:	BY:



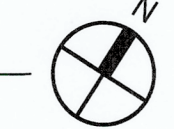
CHECKED BY:	DATE:
06/08/26	06/08/26
PROJECT ENGR:	DATE:
James A. Smith	Jun 08, 2026
PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	

APPROVED:	HUSKY T3 CRANE POWER VAULT PLUG-IN PORT OF TACOMA PIER 3 SUBSTATION 8419 EQUIPMENT LAYOUT		
TOWNSHIP:	T-SHIP	RANGE:	SECTION:
DATE-HRZ:	WA83-SF	VERT:	D-VERT
PARCEL:	PORT_PARCEL#	DRAWING SCALE:	SCALE

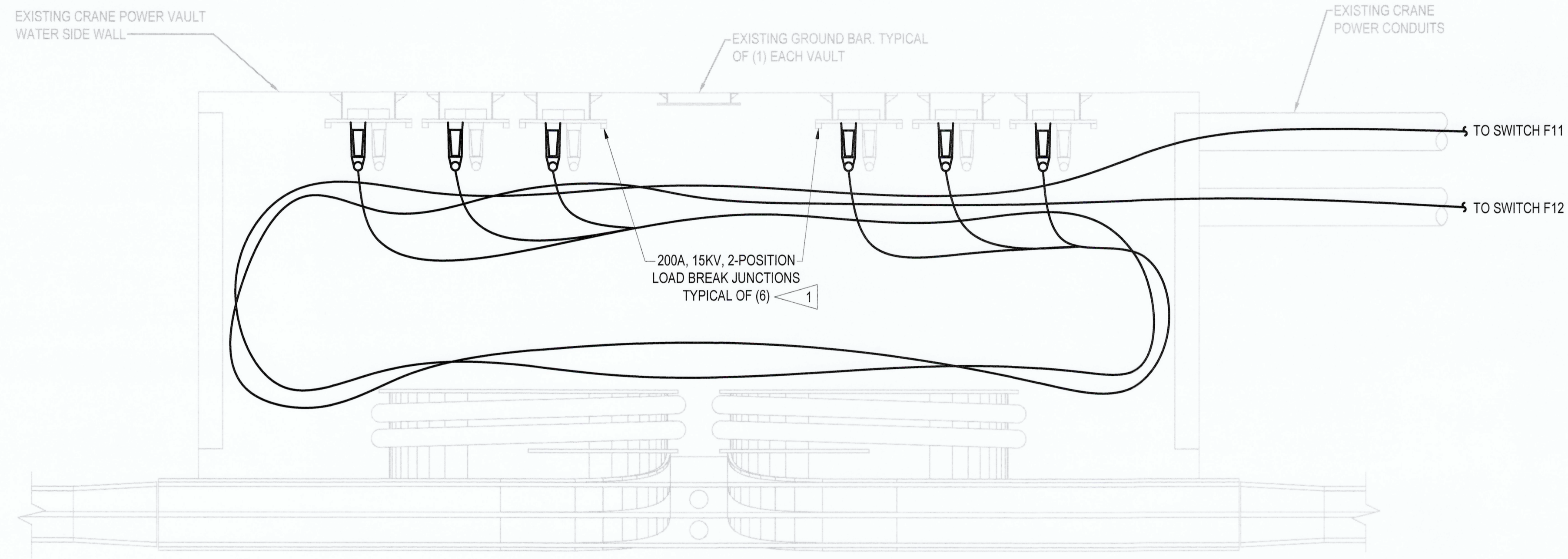
6741	E-401
SH 8 OF 16	
CONT/CONS:	PA000000181
M. ID:	202038
PHASE:	BID SET



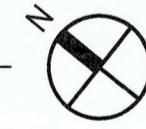
EXISTING T3 SUBSTATION #8419 EQUIPMENT LAYOUT
SCALE: DIAGRAMMATIC



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CPV2 CRANE CONNECTION VAULT
SCALE: 1/2"=1'-0"



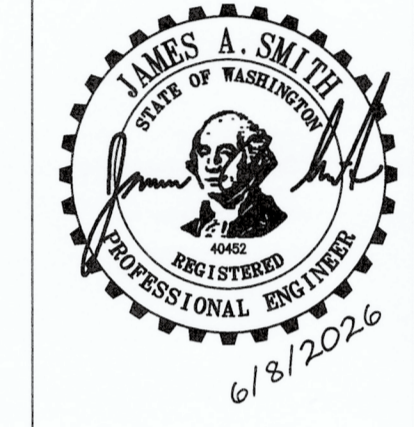
ELECTRICAL NOTES:
 1 BOND DRAIN WIRES TO GROUND BAR FOR EACH TERMINATION.

6741
E-501
 SH 9 OF 16

HUSKY T3 CRANE POWER VAULT PLUG-IN
 PORT OF TACOMA PIER 3
 CRANE CONNECTION VAULT

APPROVED: *[Signature]*
 DIRECTOR ENG. DATE: 6/8/2026
 PRINTED BY: jdmusser Jun 08, 2026
 PORT ADDRESS: ONE SITCUM PLAZA
 TACOMA, WA 98401-1837

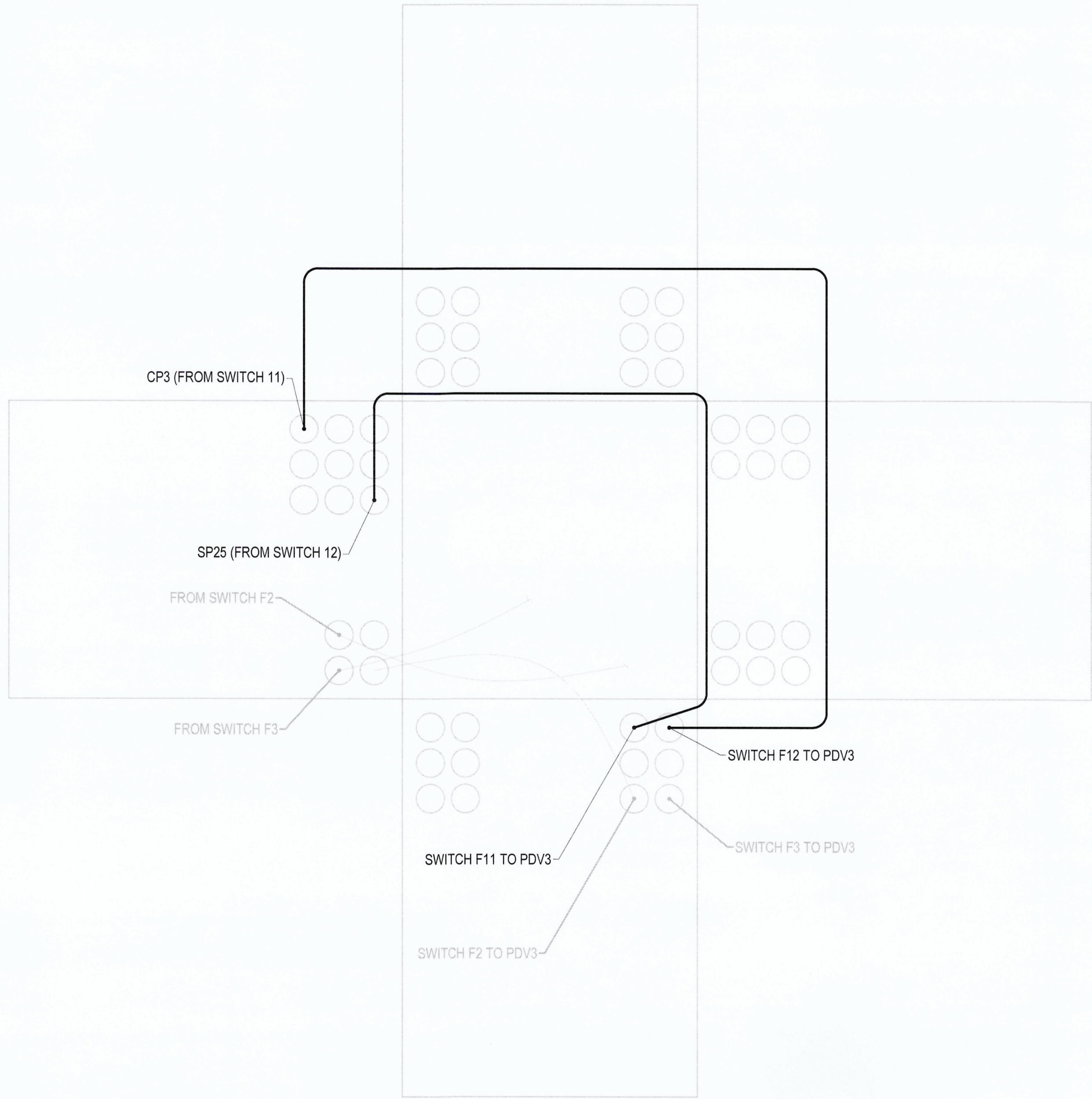
CHECKED BY: *[Signature]* DATE: 06/08/26
 PROJ. ENGR DATE: 06/08/26



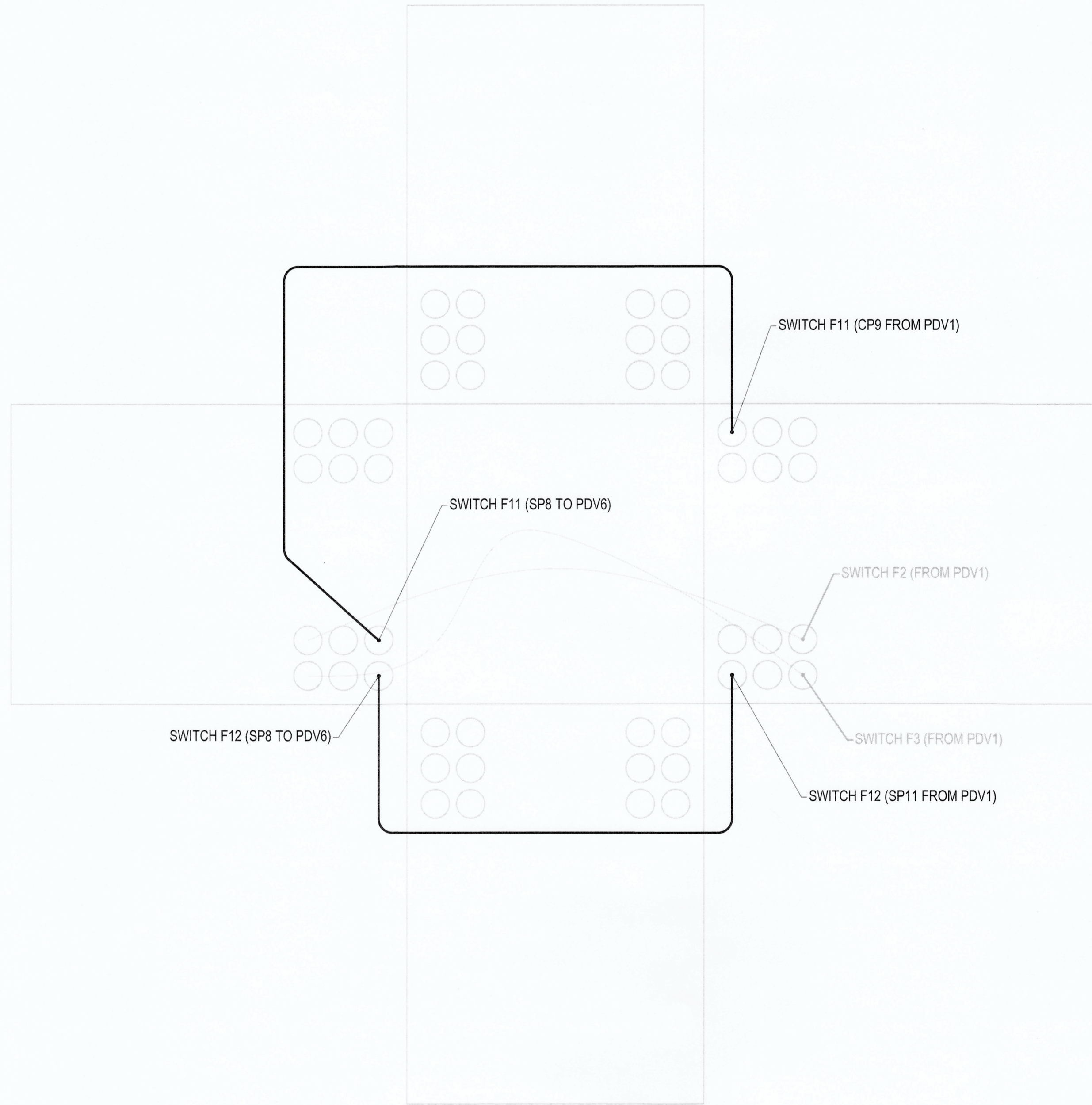
Port of Tacoma
 P.O. BOX 1837 TACOMA, WA 98401-1837
 MARK: REVISION: BY: DATE:
 APPR: DATE:

CONT./CONS: PA000000181 TOWNSHIP: TSHIP RANGE: RANGE SECTION: SECTION
 M. ID: 202038 DAT-HRZ: WA83-SF VERT: D-VERT
 PHASE: BID SET PARCEL: PORT_PARCEL# DRAWING SCALE: SCALE

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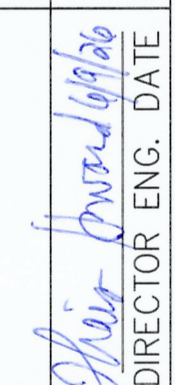
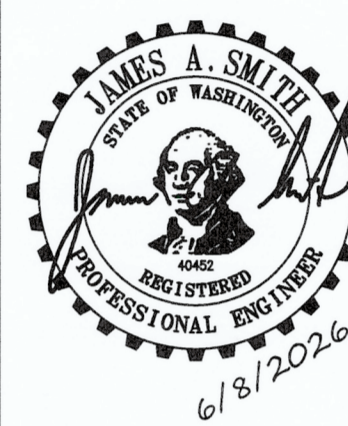



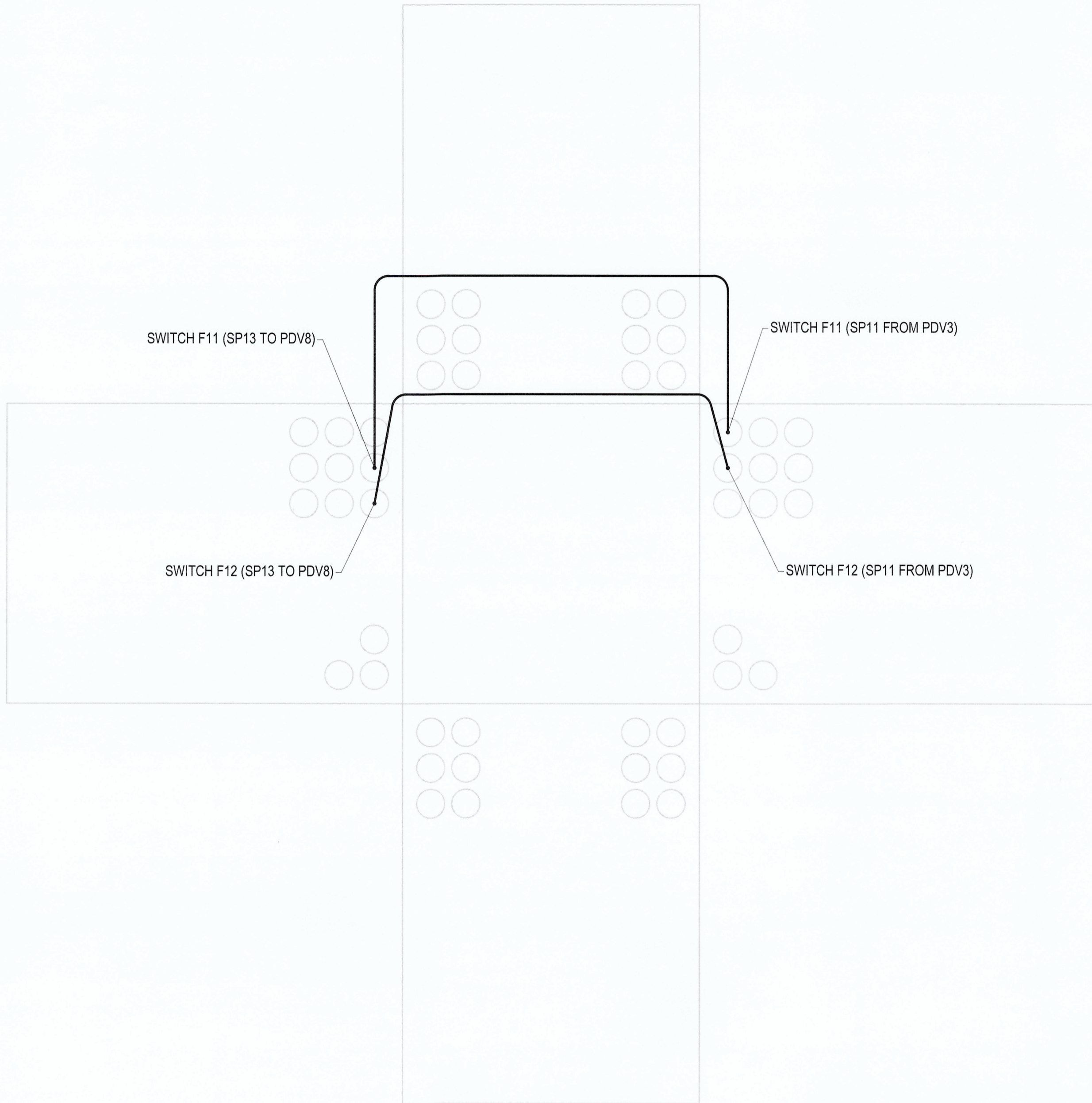
1 PDV1 BUTTERFLY DIAGRAM
 E-101 | E-511 SCALE: 1/2"=1'-0"



2 PDV3 BUTTERFLY DIAGRAM
 E-102 | E-511 SCALE: 1/2"=1'-0"



6741 E-511 SH 10 OF 16 CONT./CONS: PA000000181 M. ID: 202038 PHASE: BID SET	HUSKY T3 CRANE POWER VAULT PLUG-IN PORT OF TACOMA PIER 3 ELECTRICAL BUTTERFLY DIAGRAMS				APPROVED:  DIRECTOR ENG. DATE: 06/08/26 PRINTED BY: jsmusser Jun 08, 2026 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 99401-1837	CHECKED BY: DATE: 06/08/26 PROJ. ENGR DATE: 06/08/26 DATE:		 P.O. BOX 1837 TACOMA, WA 99401-1837 APPR: _____ DATE: _____ BY: _____ REVISION: _____ MARK: _____
	TOWNSHIP: TSHIP RANGE: RANGE SECTION: SECTION DAT-HRZ: WA83-SF VERT: D-VERT PARCEL: PORT_PARCEL# DRAWING SCALE: SCALE		THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION					



1 PDV6 BUTTERFLY DIAGRAM
E-103 E-512 SCALE: 1/2"=1'-0"

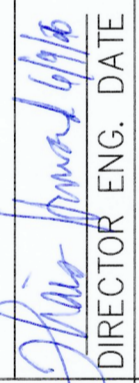
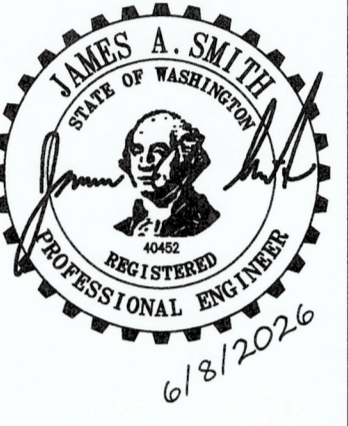
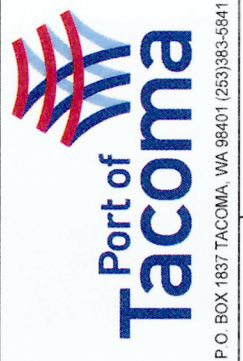


2 PDV8 BUTTERFLY DIAGRAM
E-103 E-512 SCALE: 1/2"=1'-0"

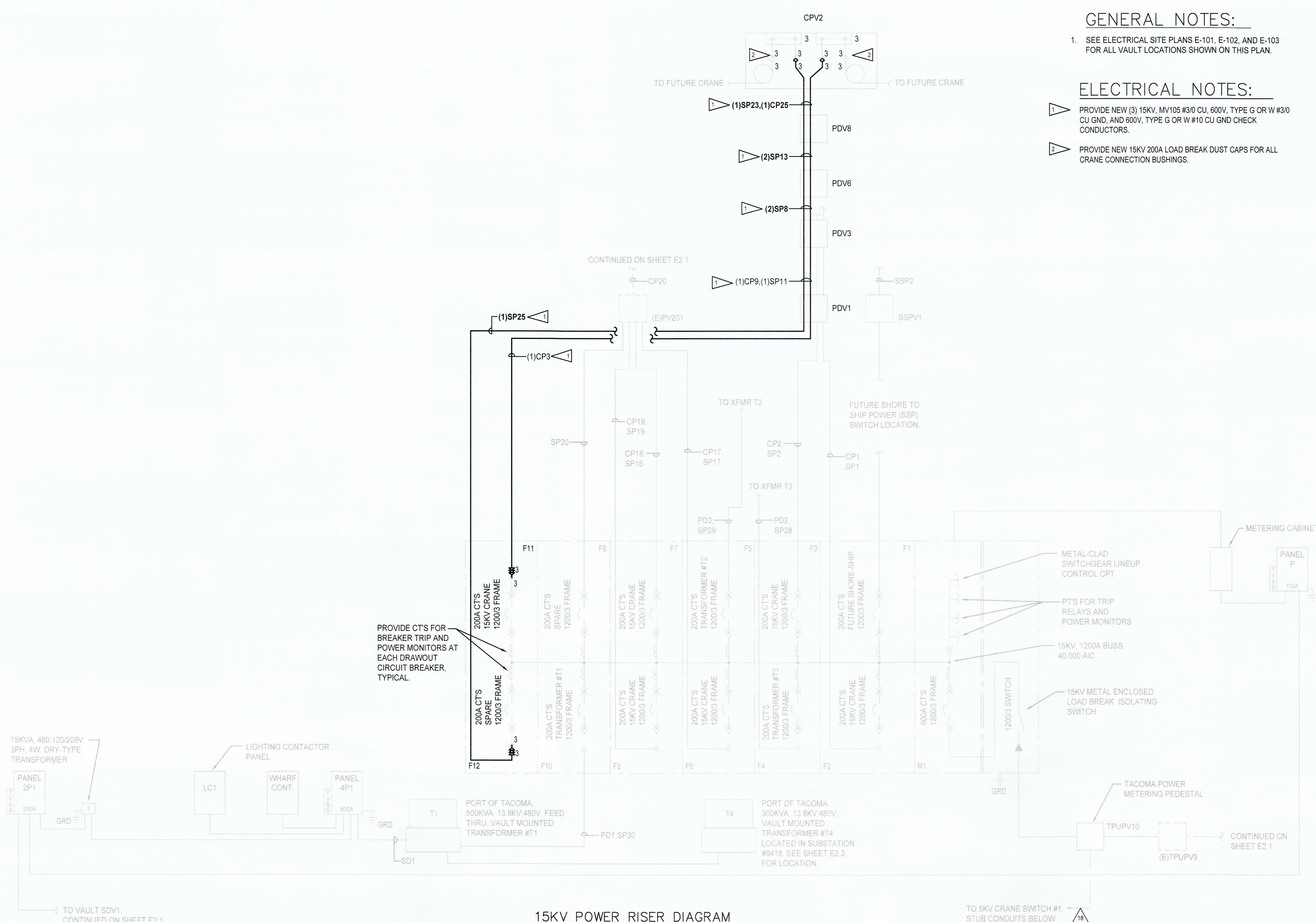


ELECTRICAL NOTES:

- 1 UTILIZE SPARE CONDUIT VACATED BY DEMOLISHED 5KV CABLE.
- 2 LOOP CONDUCTORS AROUND THE VAULT (1) TIME.

6741 E-512 SH 11 OF 16	HUSKY T3 CRANE POWER VAULT PLUG-IN PORT OF TACOMA PIER 3 ELECTRICAL BUTTERFLY DIAGRAMS				APPROVED:  DIRECTOR ENG. DATE: 06/08/26 PRINTED BY: jsmusser Jun 08, 2026 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	CHECKED BY: DATE: 06/08/26 PROJ. ENGR DATE: 06/08/26 PROJ. ENGR: jsmusser Jun 08, 2026			MARK:	REVISION:	BY:	DATE:
	APPR:											

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15KV POWER RISER DIAGRAM
NOT TO SCALE

GENERAL NOTES:

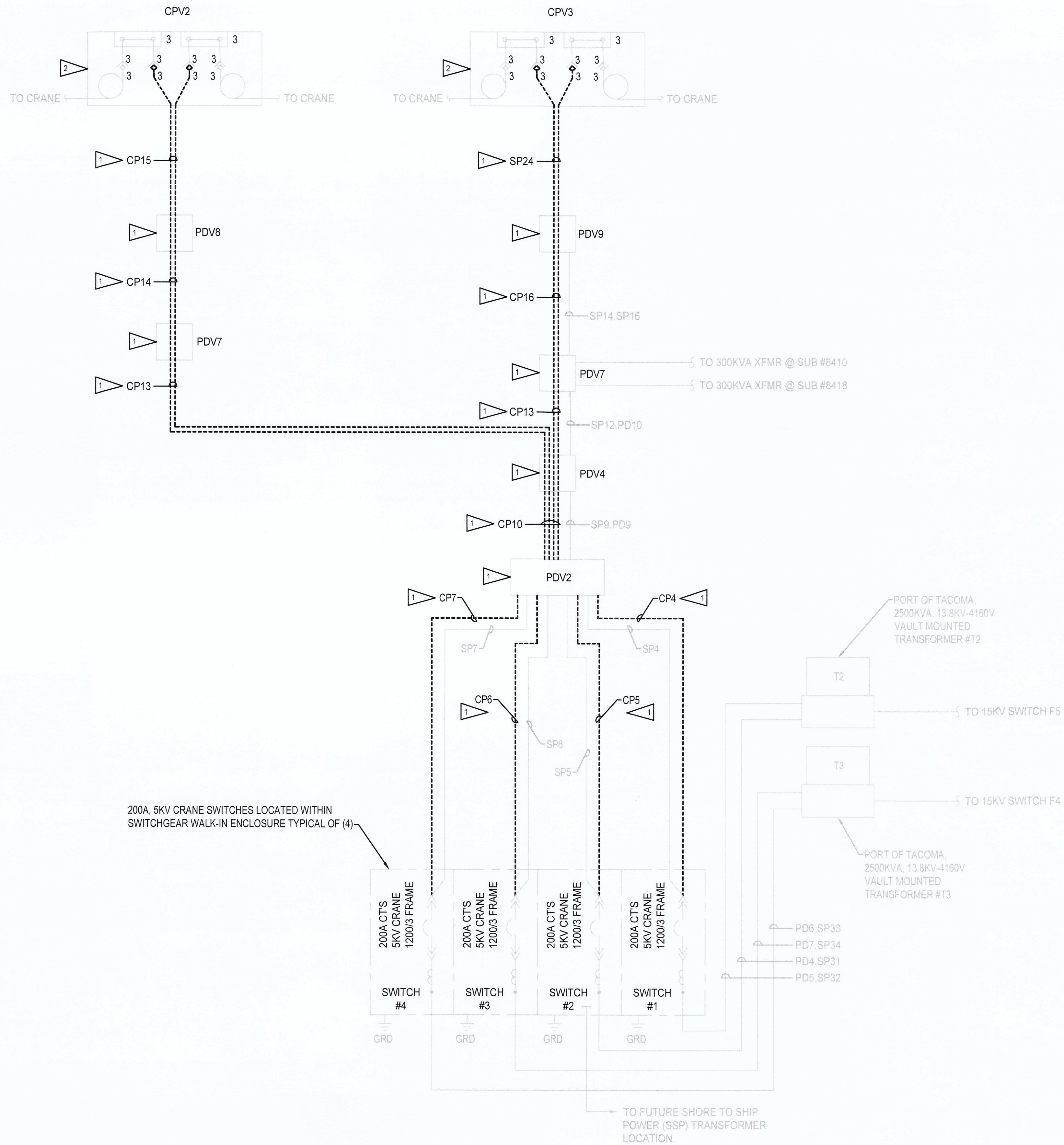
- SEE ELECTRICAL SITE PLANS E-101, E-102, AND E-103 FOR ALL VAULT LOCATIONS SHOWN ON THIS PLAN.

ELECTRICAL NOTES:

- PROVIDE NEW (3) 15KV, MV105 #3/0 CU, 600V, TYPE G OR W #3/0 CU GND, AND 600V, TYPE G OR W #10 CU GND CHECK CONDUCTORS.
- PROVIDE NEW 15KV 200A LOAD BREAK DUST CAPS FOR ALL CRANE CONNECTION BUSHINGS.

		CHECKED BY: <i>J. H. Smith</i> DATE: 06/08/26 PROJ. ENGR DATE: 06/08/26 PRINTED BY: jdmusser Jun 08, 2026 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837
	MARK: _____ REVISION: _____ BY: _____ DATE: _____	APPROVED: <i>J. H. Smith</i> DIRECTOR ENGR. DATE: 06/08/26 PRINTED BY: jdmusser Jun 08, 2026 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837
6741 E-601 SH 12 OF 16	HUSKY T3 CRANE POWER VAULT PLUG-IN PORT OF TACOMA PIER 3 15KV POWER RISER DIAGRAM	TOWNSHIP: T-SHIP RANGE: RANGE SECTION: SECTION DAT-HRZ: WA83-SF VERT: D-VERT PARCEL: PORT_PARCEL# DRAWING SCALE: SCALE

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5KV POWER RISER DIAGRAM
NOT TO SCALE

GENERAL NOTES:

- SEE ELECTRICAL SITE PLANS E-101, E-102, E-103 AND E-104 FOR ALL VAULT LOCATIONS SHOWN ON THIS PLAN.

ELECTRICAL NOTES:

- DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CRANE POWER CONDUCTORS.
- DEMOLISH, REMOVE AND DISPOSE OF EXISTING 5KV CRANE POWER CONDUCTORS AND 200A LOAD BREAKS.

		CHECKED BY: 06/08/26 DATE: 06/08/26 PROJ. ENGR: Jdm DATE: Jun 08, 2026 PRINTED BY: jdmusser PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837
	APPROVED: <i>James A. Saito</i> DIRECTOR ENGR. DATE: 06/08/26 PRINTED BY: jdmusser Jun 08, 2026 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	HUSKY T3 CRANE POWER VAULT PLUG-IN PORT OF TACOMA PIER 3 5KV POWER RISER DIAGRAM
6741 E-602 SH 13 OF 16 CONT/CONS: PA000000181 M. ID: 202038 PHASE: BID SET		THIS DRAWING IS THE PROPERTY OF THE PORT OF TACOMA AND SHALL NOT BE USED ON OTHER WORK, DISCLOSED, COPIED, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION

CONDUIT AND CONDUCTOR SCHEDULE

Table with columns: CIRCUIT NUMBER, CONDUIT (NO., SIZE, TYPE), CONDUCTORS/CONDUIT (NO., SIZE, TYPE), FROM, TO, REMARKS. Rows include CP1-CP26, FOB1-FOB3, PD1-PD11, SD1-SD2, SL1-SL15, SSP1-SSP7, SP1-SP10.

SCHEDULE ABBREVIATION LEGEND:

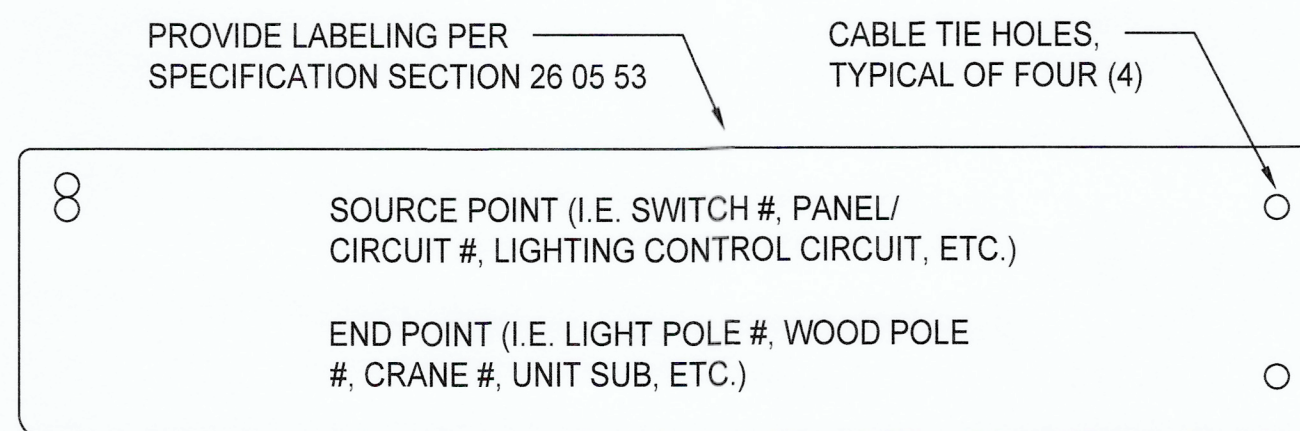
- C = COMMUNICATIONS, SP = SPARE CONDUIT, CP = CRANE POWER, SSB = SHORE SHIP CONNECTION VAULT, CPV = CRANE POWER VAULT, SSP = SHORE SHIP POWER, CV = COMMUNICATIONS VAULT, SSPV = SHORE SHIP POWER VAULT, FOB = FIBER OPTIC, TPU = TACOMA PUBLIC UTILITIES, PD = PRIMARY DISTRIBUTION, TPUC = TACOMA PUBLIC UTILITIES COMMUNICATIONS, PDV = PRIMARY DISTRIBUTION VAULT, WC = WHARF COMMUNICATIONS, PV = POWER VAULT, WG = WHARF GROUNDING, SD = SECONDARY 600V DISTRIBUTION, WPV = WHARF POWER VAULT, SDV = SECONDARY POWER VAULT, WS = WHARF SECONDARY 600V DISTRIBUTION, SL = SITE LIGHTING

GENERAL NOTES:

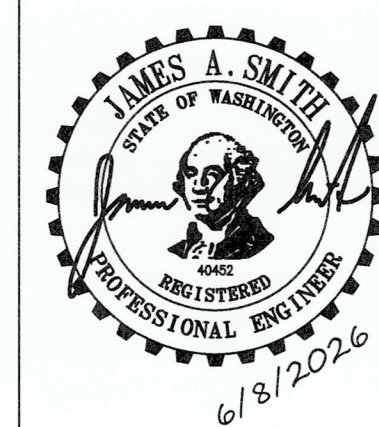
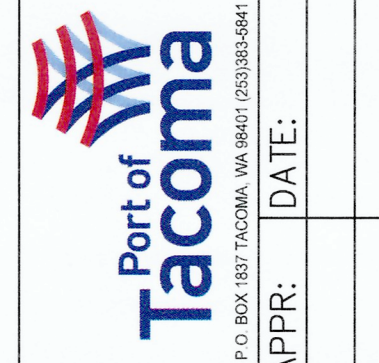
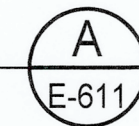
- 1. PROVIDE LABEL ON ALL NEW FEEDERS IN EACH VAULT AND AT TERMINATIONS AS INDICATED IN DETAIL A ON E-611.
2. NOT ALL CONDUIT AND CONDUCTORS ARE INDICATED ON THE SCHEDULES. SEE SITE PLANS, DETAILS AND SUBSTATION PLAN FOR ADDITIONAL CONDUIT AND CONDUCTOR REQUIREMENTS.
3. CONTRACTOR SHALL PROVIDE TERMINAL PINS (FINGER SPLICES) WHERE CONDUCTORS ARE UP-SIZED FOR VOLTAGE DROP.

SCHEDULE NOTES:

- 1. RED CDF CONCRETE ENCASED
2. PVC SCHEDULE 80
3. SURFACE CONDUIT OR NIPPLE BETWEEN PANELS. THESE ARE NOT SHOWN ON PLAN VIEWS.
4. PVC COATED GRS CONDUIT
5. STUB AND CAP 12" ABOVE FINISHED GRADE.
6. INSTALL PULL LINES PER 26 05 00.
7. PROVIDE WATERTIGHT PIN TERMINALS (FINGER SPLICE) IN VAULT.
8. NOT USED
9. CONTRACTOR SHALL PROVIDE A COMPLETE LOOP OF CABLES AROUND ALL FOUR WALLS OF VAULT PRIOR TO CABLE EXITING VAULT.
10. EXISTING CONDUIT
11. #10 CU GRD CONDUCTOR SHALL BE PROVIDED FOR GROUND LOOP MONITORING.
12. NOT USED
13. PROVIDE WATERTIGHT PIN TERMINALS (FINGER SPLICES) TO 100 AMP LIGHTING CONTACTORS.
14. MULTICONDUCTOR WITH TYPE THWN-2 INSULATION RATING.



CONDUCTOR IDENTIFICATION LABEL NOT TO SCALE



CHECKED BY: DATE: 06/08/26
PROJECT: HUSKY T3 CRANE POWER VAULT PIER 3
DATE: 06/08/26
PRINTED BY: jdmusser Jun 08, 2026
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

APPROVED: [Signature]
DIRECTOR: [Signature]
DATE: 06/08/26

HUSKY T3 CRANE POWER VAULT PIER 3
PORT OF TACOMA PIER 3
CONDUIT AND CONDUCTOR SCHEDULES
TOWNSHIP: TSHIP
RANGE: RANGE
SECTION: SECTION
DATE-HRZ: WA83-SF
PARCEL: PORT_PARCEL#
DRAWING SCALE: SCALE

6741
SH 14 OF 16
E-611
CONT/CONS: PA000000181
M. ID: 202038
PHASE: BID SET

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CONDUIT AND CONDUCTOR SCHEDULE

Table with columns: CIRCUIT NUMBER, CONDUIT (NO., SIZE, TYPE), CONDUCTORS/CONDUIT (NO., SIZE, TYPE), FROM, TO, REMARKS. Lists various circuits from SP11 to WS5.

CONDUIT AND CONDUCTOR SCHEDULE

Table with columns: CIRCUIT NUMBER, CONDUIT (NO., SIZE, TYPE), CONDUCTORS/CONDUIT (NO., SIZE, TYPE), FROM, TO, REMARKS. Lists various circuits from WS6 to WS32.

SCHEDULE ABBREVIATION LEGEND:

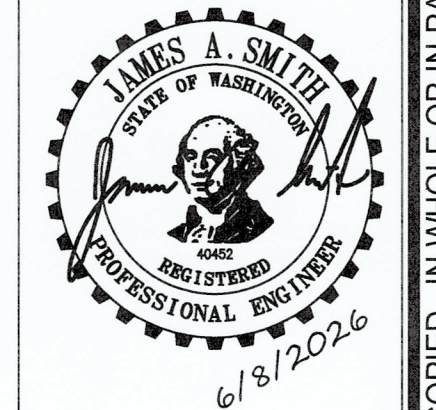
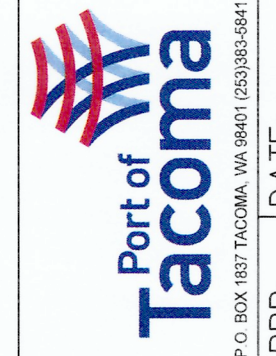
- C = COMMUNICATIONS, CP = CRANE POWER, CV = COMMUNICATIONS VAULT, FOB = FIBER OPTIC, PD = PRIMARY DISTRIBUTION, PV = POWER VAULT, SD = SECONDARY 600V DISTRIBUTION, SDV = SECONDARY POWER VAULT, SL = SITE LIGHTING, SP = SPARE CONDUIT, SSB = SHORE SHIP CONNECTION VAULT, SSP = SHORE SHIP POWER, SSPV = SHORE SHIP POWER VAULT, TPU = TACOMA PUBLIC UTILITIES, TPUC = TACOMA PUBLIC UTILITIES COMMUNICATIONS, WC = WHARF COMMUNICATIONS, WG = WHARF GROUNDING, WPV = WHARF POWER VAULT, WS = WHARF SECONDARY 600V DISTRIBUTION

GENERAL NOTES:

- 1. PROVIDE LABEL ON ALL NEW FEEDERS IN EACH VAULT AND AT TERMINATIONS AS INDICATED IN DETAIL A ON E-611.
2. NOT ALL CONDUIT AND CONDUCTORS ARE INDICATED ON THE SCHEDULES. SEE SITE PLANS, DETAILS AND SUBSTATION PLAN FOR ADDITIONAL CONDUIT AND CONDUCTOR REQUIREMENTS.
3. CONTRACTOR SHALL PROVIDE TERMINAL PINS (FINGER SPLICES) WHERE CONDUCTORS ARE UP-SIZED FOR VOLTAGE DROP.

SCHEDULE NOTES:

- 1 RED CDF CONCRETE ENCASED
2 PVC SCHEDULE 80
3 SURFACE CONDUIT OR NIPPLE BETWEEN PANELS. THESE ARE NOT SHOWN ON PLAN VIEWS.
4 PVC COATED GRS CONDUIT
5 STUB AND CAP 12" ABOVE FINISHED GRADE.
6 INSTALL PULL LINES PER 26 05 00.
7 PROVIDE WATERTIGHT PIN TERMINALS (FINGER SPLICE) IN VAULT.
8 NOT USED
9 CONTRACTOR SHALL PROVIDE A COMPLETE LOOP OF CABLES AROUND ALL FOUR WALLS OF VAULT PRIOR TO CABLE EXITING VAULT.
10 EXISTING CONDUIT
11 #10 CU GRD CONDUCTOR SHALL BE PROVIDED FOR GROUND LOOP MONITORING.
12 NOT USED
13 PROVIDE WATERTIGHT PIN TERMINALS (FINGER SPLICES) TO 100 AMP LIGHTING CONTACTORS.
14 MULTICONDUCTOR WITH TYPE THWN-2 INSULATION RATING.



APPROVED: [Signature]
CHECKED BY: [Signature]
DATE: 06/08/26
DIRECTOR ENG. DATE: 06/08/26
PRINTED BY: jdrussler Jun 08, 2026
PORT ADDRESS: ONE SITCUM PLAZA
TACOMA, WA 98401-1837

HUSKY T3 CRANE POWER VAULT PLUG-IN
PORT OF TACOMA PIER 3
CONDUIT AND CONDUCTOR SCHEDULES

6741
E-612
SH 15 OF 16

CONT/CONS: PA000000181
M. ID.: 202038
PHASE: BID SET
TOWNSHIP: TSHIP
DATE-HRZ: WA83-SF
PARCEL: PORT_PARCEL#
RANGE: RANGE
SECTION: SECTION
SCALE: SCALE
D- VERT: D- VERT

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CONDUIT AND CONDUCTOR SCHEDULE

Table with columns: CIRCUIT NUMBER, CONDUIT (NO., SIZE, TYPE), CONDUCTORS/CONDUIT (NO., SIZE, TYPE), FROM, TO, REMARKS. Contains rows for circuits WS33 through WS93.

SCHEDULE ABBREVIATION LEGEND:

- C = COMMUNICATIONS, CP = CRANE POWER, CPV = CRANE POWER VAULT, CV = COMMUNICATIONS VAULT, FOB = FIBER OPTIC, PD = PRIMARY DISTRIBUTION, PDV = PRIMARY DISTRIBUTION VAULT, PV = POWER VAULT, SD = SECONDARY 600V DISTRIBUTION, SDV = SECONDARY POWER VAULT, SL = SITE LIGHTING, SP = SPARE CONDUIT, SSB = SHORE SHIP CONNECTION VAULT, SSP = SHORE SHIP POWER, SSPV = SHORE SHIP POWER VAULT, TPU = TACOMA PUBLIC UTILITIES, TPUC = TACOMA PUBLIC UTILITIES COMMUNICATIONS, WC = WHARF COMMUNICATIONS, WG = WHARF GROUNDING, WPV = WHARF POWER VAULT, WS = WHARF SECONDARY 600V DISTRIBUTION

GENERAL NOTES:

- 1. PROVIDE LABEL ON ALL NEW FEEDERS IN EACH VAULT AND AT TERMINATIONS AS INDICATED IN DETAIL A ON E-611.
2. NOT ALL CONDUIT AND CONDUCTORS ARE INDICATED ON THE SCHEDULES. SEE SITE PLANS, DETAILS AND SUBSTATION PLAN FOR ADDITIONAL CONDUIT AND CONDUCTOR REQUIREMENTS.
3. CONTRACTOR SHALL PROVIDE TERMINAL PINS (FINGER SPLICES) WHERE CONDUCTORS ARE UP-SIZED FOR VOLTAGE DROP.

SCHEDULE NOTES:

- 1 RED CDF CONCRETE ENCASED
2 PVC SCHEDULE 80
3 SURFACE CONDUIT OR NIPPLE BETWEEN PANELS. THESE ARE NOT SHOWN ON PLAN VIEWS.
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5 STUB AND CAP 12" ABOVE FINISHED GRADE.
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8 NOT USED
9 CONTRACTOR SHALL PROVIDE A COMPLETE LOOP OF CABLES AROUND ALL FOUR WALLS OF VAULT PRIOR TO CABLE EXITING VAULT.
10 EXISTING CONDUIT
11 #10 CU GRD CONDUCTOR SHALL BE PROVIDED FOR GROUND LOOP MONITORING.
12 NOT USED
13 PROVIDE WATERTIGHT PIN TERMINALS (FINGER SPLICES) TO 100 AMP LIGHTING CONTACTORS.
14 MULTICONDUCTOR WITH TYPE THWN-2 INSULATION RATING.

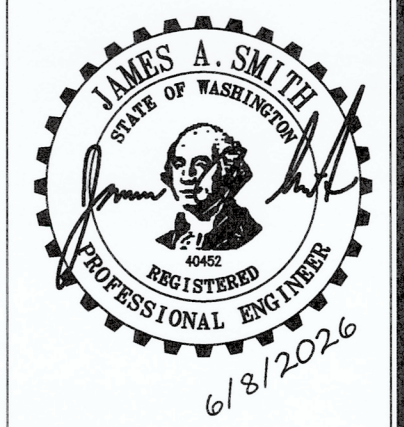
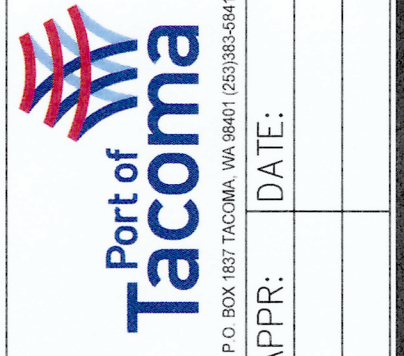


Table with columns: CHECKED BY, DATE, PROJECT ENGR, DATE. Values: 06/08/26, 06/08/26.

Table with columns: APPROVED, DIRECTOR ENGR, DATE, PORT ADDRESS. Values: [Signature], jdmusser, Jun 08, 2026, TACOMA, WA 98401-1837.

Project information block including: 6741, E-613, SH 16 OF 16, HUSKY T3 CRANE POWER VAULT PLUG-IN, PORT OF TACOMA PIER 3, CONDUIT AND CONDUCTOR SCHEDULES, TOWNSHIP: TSHIP, RANGE: RANGE, SECTION: SECTION, DAT-HRZ: WA83-SF, VERT: D-VERT, PARCEL: PORT-PARCEL#, DRAWING SCALE: SCALE, M. ID: 202038, PHASE: BID SET.

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