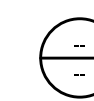
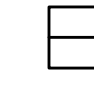


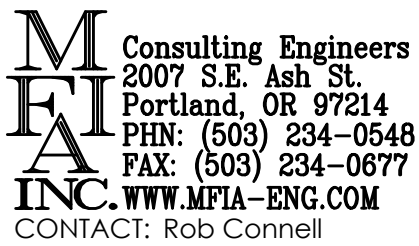
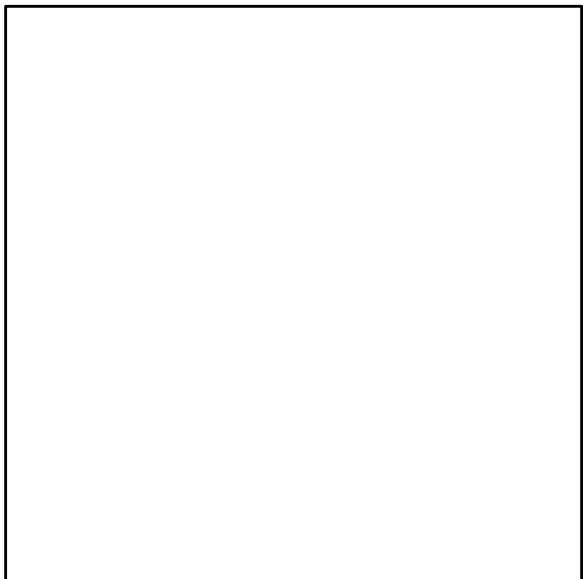
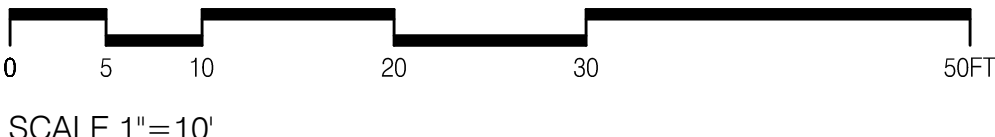
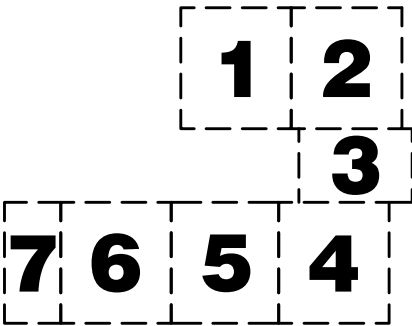
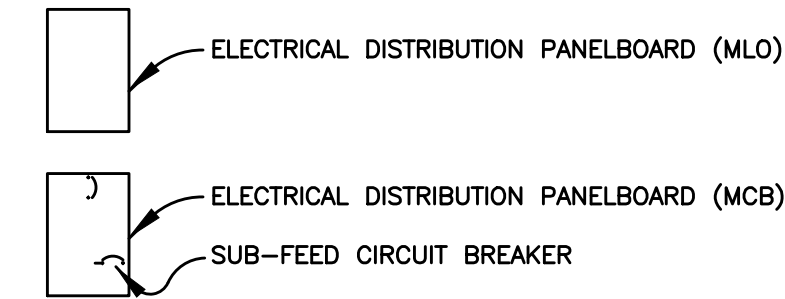
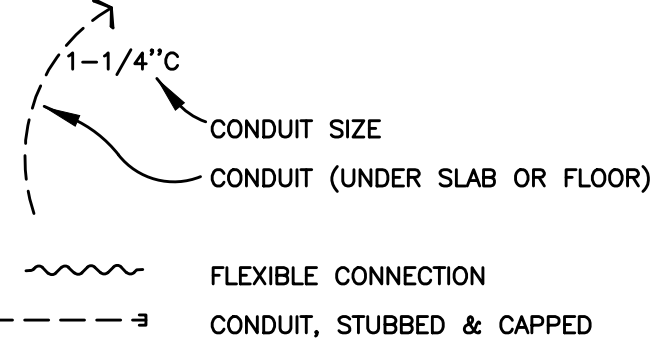
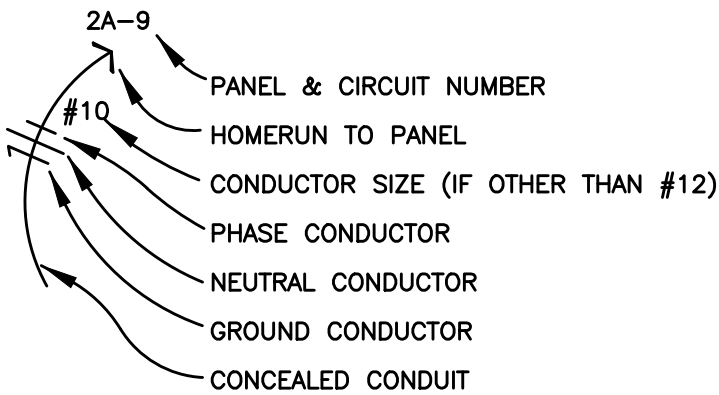
ONE INCH
DRAWING SET SCALE
IF THIS BAR DOES NOT MEASURE 4 INCH IN LENGTH, THE SCALE INDICATED THROUGHOUT THIS SET IS NOT ACCURATE. VERIFY SCALE PRIOR TO USING DRAWINGS.

SHEET INDEX

- E0.1 ELECTRICAL COVER
- E1.0 DEMO PLAN - ELECTRICAL
- E2.0 SITE PLAN OVERALL- ELECTRICAL
- E2.1 SITE PLAN AREA 1 - ELECTRICAL
- E2.2 SITE PLAN AREA 2 - ELECTRICAL
- E2.3 SITE PLAN AREA 3 - ELECTRICAL
- E2.4 SITE PLAN AREA 4 - ELECTRICAL
- E2.5 SITE PLAN AREA 5 - ELECTRICAL
- E2.6 SITE PLAN AREA 6 - ELECTRICAL
- E2.7 SITE PLAN - PHOTOMETRICS
- E3.0 ELECTRICAL DETAILS
- E3.1 ELECTRICAL DETAILS
- E3.2 ELECTRICAL DETAILS

ELECTRICAL SYMBOLS

-  LIGHT FIXTURE, SURFACE MOUNT
-  RECEPTACLE, DUPLEX +18" A.F.F.
-  RECEPTACLE, QUAD +18" A.F.F.
-  RECEPTACLE, DUPLEX +6" ABV COUNTER
-  DISCONNECT, NON-FUSED
-  DISCONNECT, FUSED
-  ELECTRICAL CONNECTION
-  ELECTRICAL CONNECTION, SINGLE MOTOR
-  ELECTRICAL CONNECTION, MULTI-MOTOR
-  ELECTRICAL DISTRIBUTION PANEL, RECESSED
-  ELECTRICAL DISTRIBUTION PANEL, SURFACE
-  MISCELLANEOUS PANEL, RECESSED
-  MISCELLANEOUS PANEL, SURFACE
-  TIME CLOCK CONTROL
-  SWITCH, SINGLE-POLE +48" A.F.F.
-  SWITCH, DOUBLE-POLE +48" A.F.F.
-  PHOTOCELL CONTROL
-  OCCUPANCY SENSOR -- CEILING MTD
-  G.F.I. GROUND FAULT INTERRUPTER
-  W.G. WIRE GUARD
-  W.P. WEATHER-PROOF
-  T.R. TAMPER RESISTANCE
-  DRAWING NOTE
-  DETAIL REFERENCE: TOP=DETAIL NO., BOTTOM=SHEET NO.
-  MECHANICAL EQUIPMENT MARK NO. (SEE EQUIPMENT SCHEDULE)
-  EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
-  EQUIPMENT NO. (SEE EQUIPMENT SCHEDULE)
-  FEEDER NO. (SEE FEEDER SCHEDULE)
-  FIXTURE REFERENCE: TOP=TYPE, BOTTOM=LAMP QTY & WATTS



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WASHINGTON PARK, SOUTH ENTRY	
4033 SW CANYON RD. PORTLAND OR 97221	
DATE 09/15/21	SCALE AS SHOWN
DRAWN BY:	SECTION: NORTHWEST

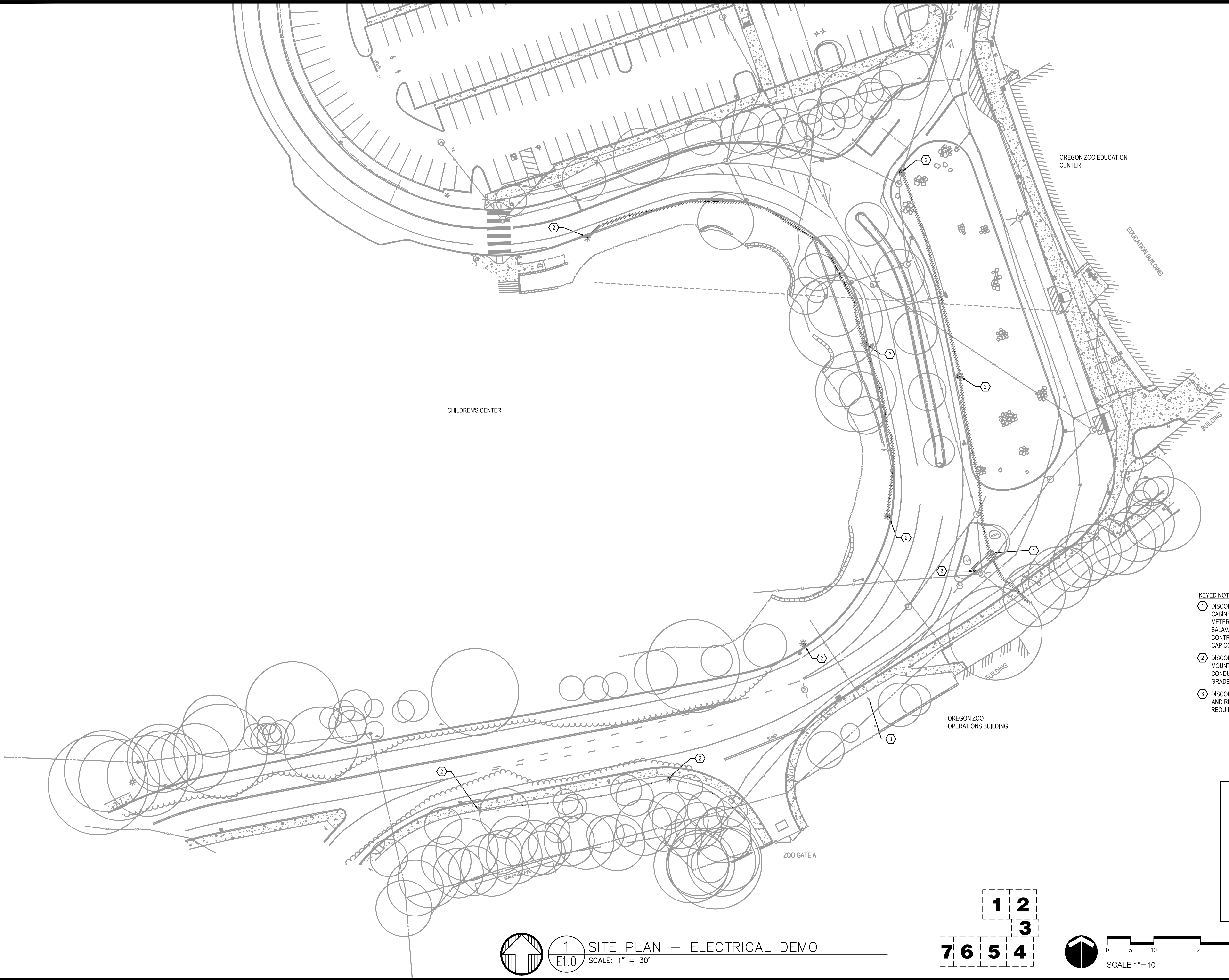
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ELECTRICAL COVER

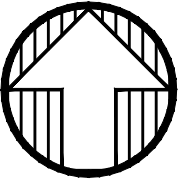
E0.1

PERMIT SET

ONE INCH
DRAWING SET SCALE
IF THIS BAR DOES NOT MEASURE 4 INCH IN LENGTH, THE SCALE INDICATED THROUGHOUT THIS SET IS NOT ACCURATE. VERIFY SCALE PRIOR TO USING DRAWINGS.



- KEYED NOTES - DEMO
- 1 DISCONNECT AND REMOVE EXISTING PARKS SERVICE CABINET CONTAINING 480Y/277V-100 PANEL, POWER USE METER, TIMECLOCK, AND TRANSFORMER/PANEL - SALVAGE TO OWNER FOR RE-USE AS IRRIGATION CONTROLLER CABINET. REMOVE CONDUCTORS, CUT AND CAP CONDUITS BELOW NEW GRADE.
 - 2 DISCONNECT AND REMOVE EXISTING POLE, POLE MOUNTED LUMINAIRE, AND FOUNDATION. REMOVE CONDUCTORS, CUT AND CAP CONDUITS BELOW NEW GRADE.
 - 3 DISCONNECT EXISTING DIGITAL SIGN FOR RELOCATION AND RECONNECT, EXTEND CIRCUITING AND DATA AS REQUIRED. VERIFY EXACT LOCATION WITH OWNER.



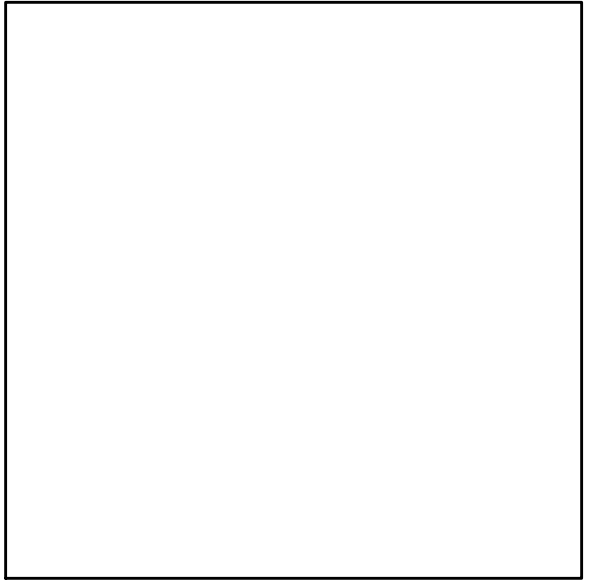
1
E1.0

SITE PLAN - ELECTRICAL DEMO
SCALE: 1" = 30'

1 2 3
7 6 5 4



SCALE 1"=10'



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PROJECT MANAGER: TRAVIS RUYBAL, RLA (503) 823-5487

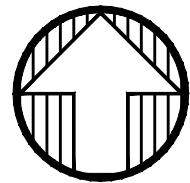
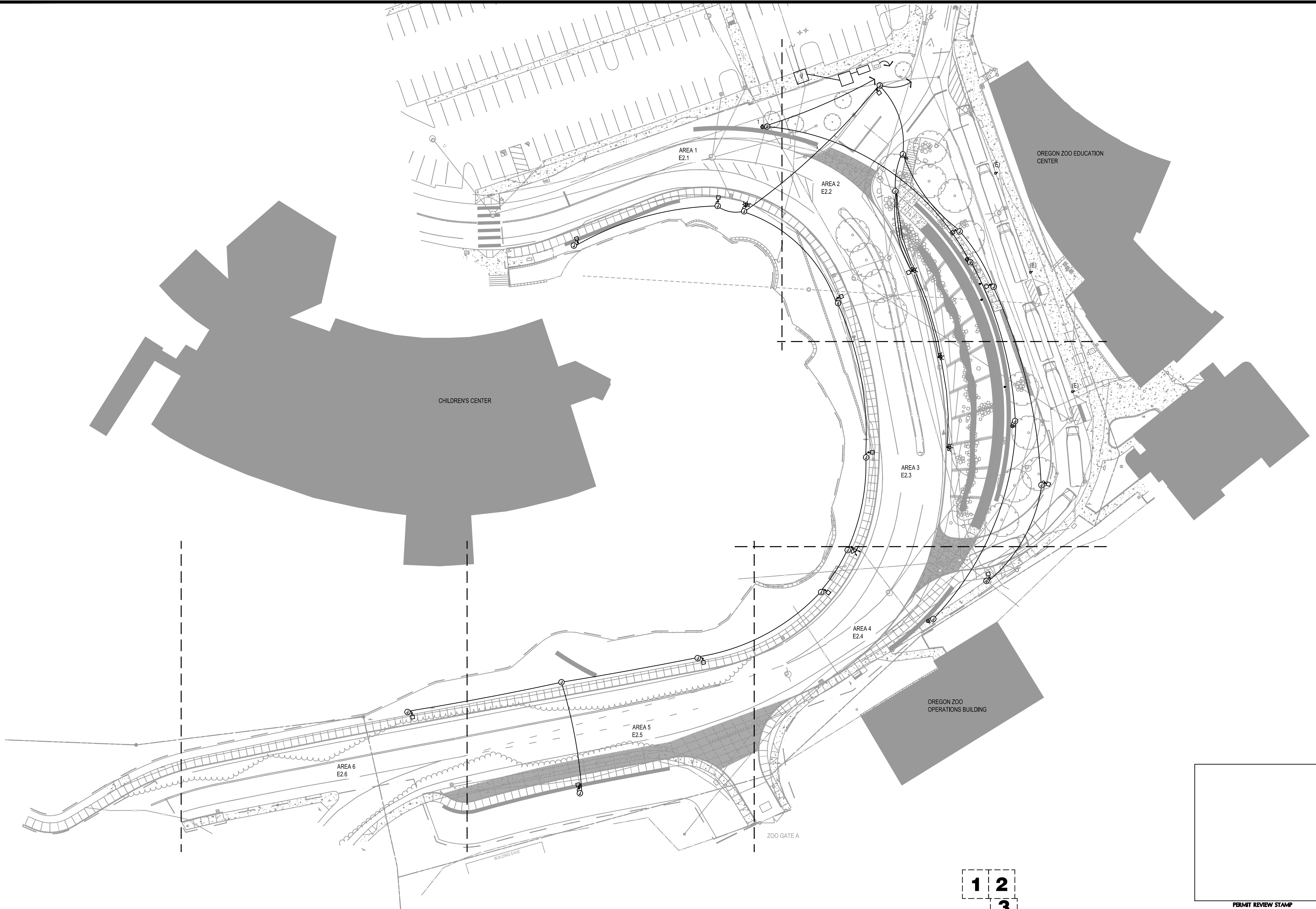
REVISIONS		
DATE	DESCRIPTION	BY

DEMO PLAN -
ELECTRICAL

E1.0

PERMIT SET

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1
E2.0

SITE PLAN OVERALL — ELECTRICAL
SCALE: 1" = 30'

1 2
3
7 6 5 4

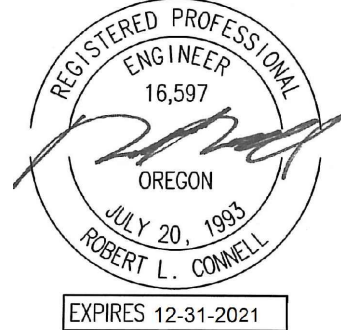


0 5 10 20 30 50 FT
SCALE 1"=10'

PERMIT REVIEW STAMP



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SECTION: NORTHWEST

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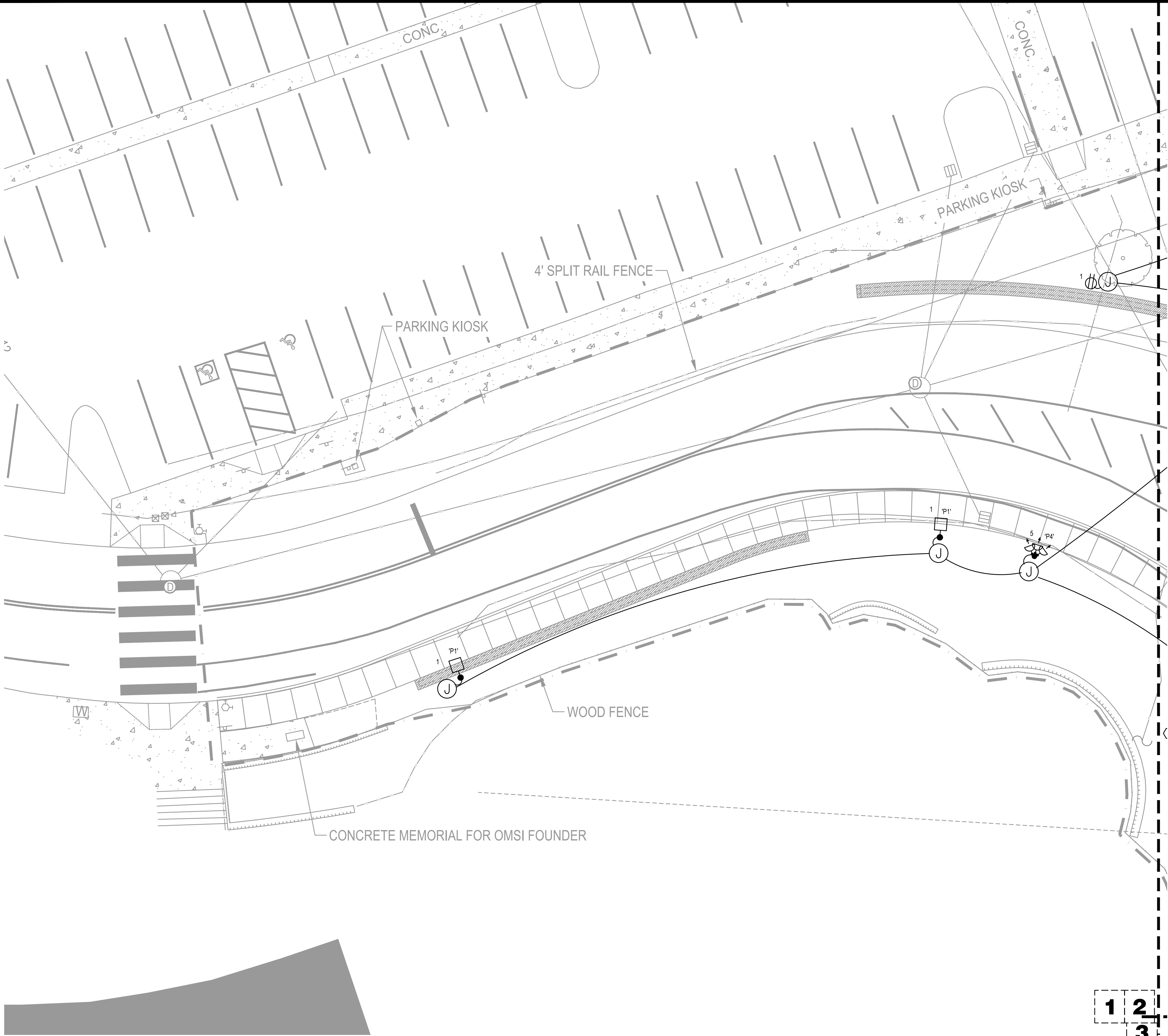
REVISIONS		
DATE	DESCRIPTION	BY

**SITE PLAN —
ELECTRICAL**

E2.0

PERMIT SET

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DRAWING SET SCALE
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 - 6 PROVIDE 8" X 8" TRANSFORMER PAD PER PGE REQUIREMENTS FOR PGE 480Y/277V-3PH-4W SECONDARY PAD-MOUNTED TRANSFORMER.
 - 7 PROVIDE VANDAL-RESISTANT WEATHERPROOF ABOVE-GRADE RECEPTACLE. SEE DETAIL.
 - 8 PROVIDE IN-GROUND HANDHOLE. SEE DETAIL 1/E3.1.
 - 9 RECONNECT RELOCATED DIGITAL SIGN - EXTEND CIRCUITING AND DATA AS REQUIRED. VERIFY LOCATION.



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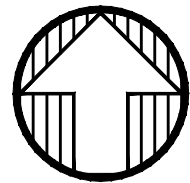
DRAWN BY:

SECTION: NORTHWEST

REVISIONS		
DATE	DESCRIPTION	BY

SITE PLAN
AREA 1 -
ELECTRICAL

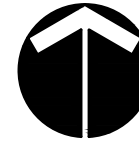
E2.1



1
E2.1

SITE PLAN AREA 1 - ELECTRICAL
SCALE: 1" = 10'

1 2 3
7 6 5 4



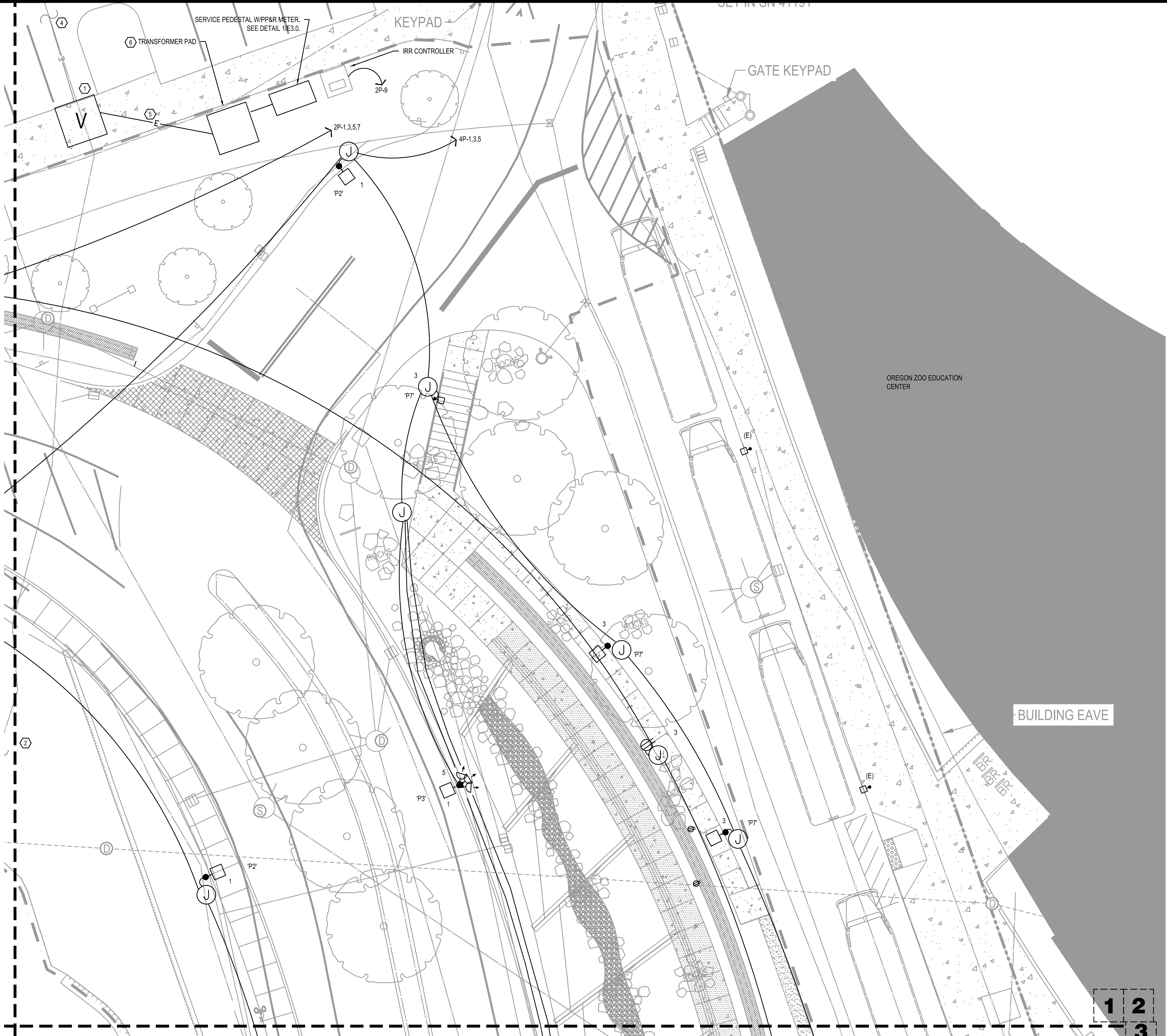
0 5 10 20 30 50FT
SCALE 1"=10'

PERMIT REVIEW STAMP

PERMIT SET

DRAWING SET SCALE:
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ONE INCH



KEYED NOTES: SITE

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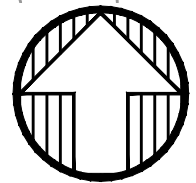
DATE 09/15/21 SCALE AS SHOWN DRAWN BY: SECTION: NORTHWEST

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DATE	DESCRIPTION	BY

SITE PLAN
AREA 2 -
ELECTRICAL

E2.2



1
E2.2

SITE PLAN AREA 2 - ELECTRICAL

SCALE: 1" = 10'

7 6 5 4

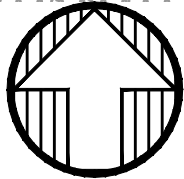
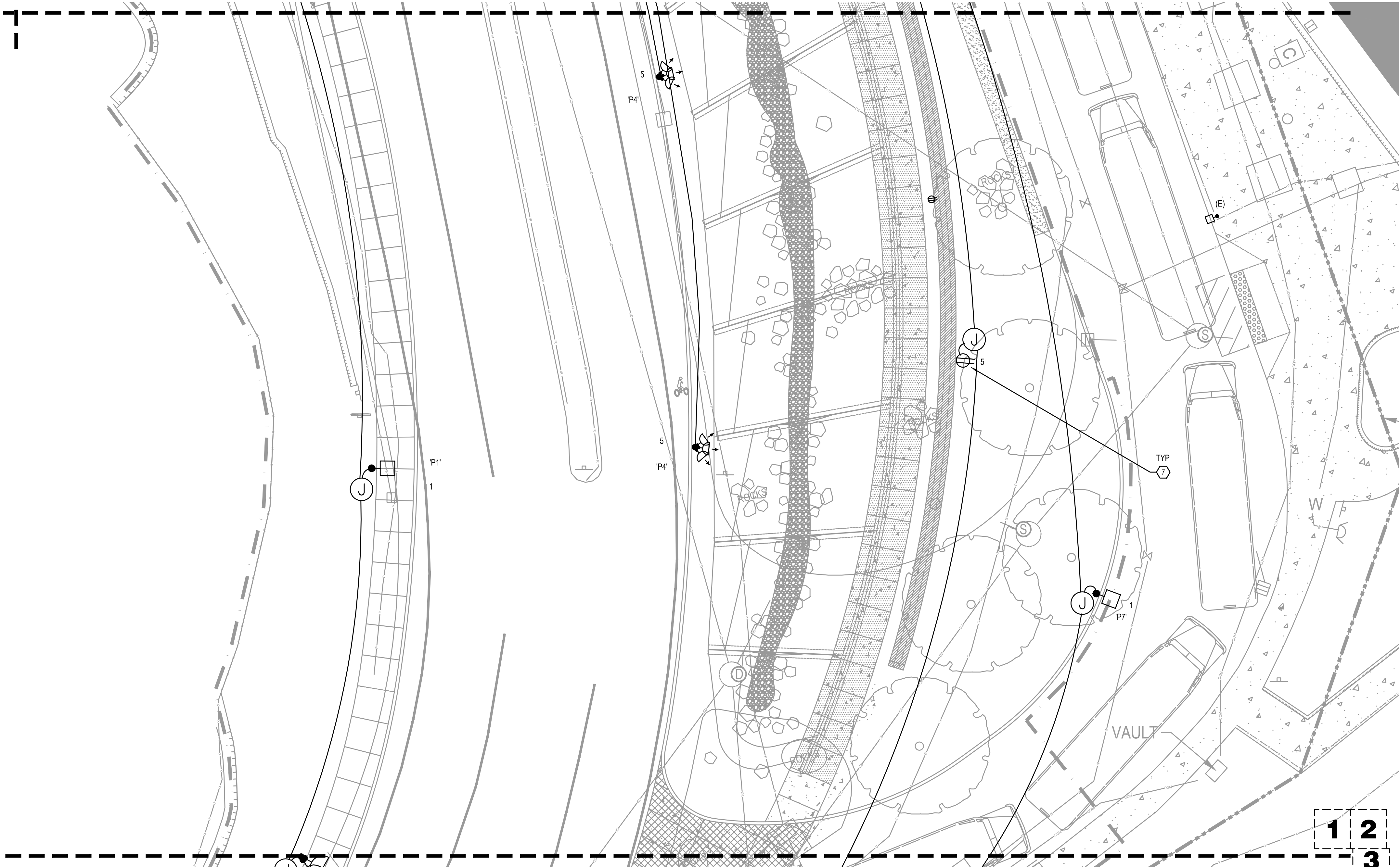


SCALE 1"=10'

PERMIT REVIEW STAMP

PERMIT SET

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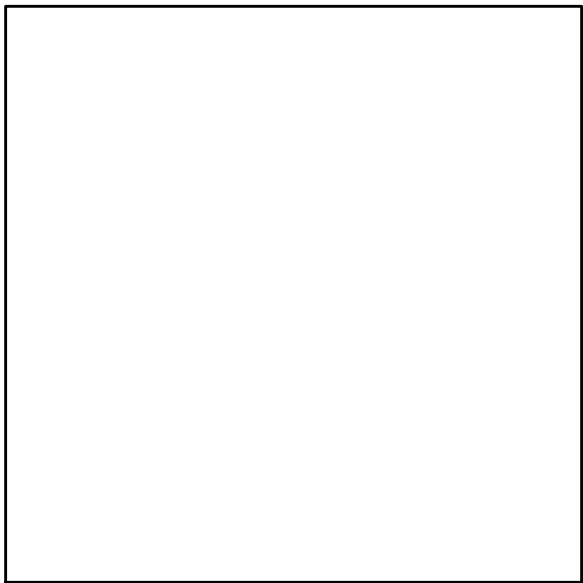
1
E2.3

SITE PLAN AREA 3 – ELECTRICAL
SCALE: 1" = 10'

7 6 5 4
1 2 3



0 5 10 20 30 50FT
SCALE 1"=10'



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ADENA LONG, Director
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PROJECT MANAGER: TRAVIS RUYBAL, RLA (503) 823-5487

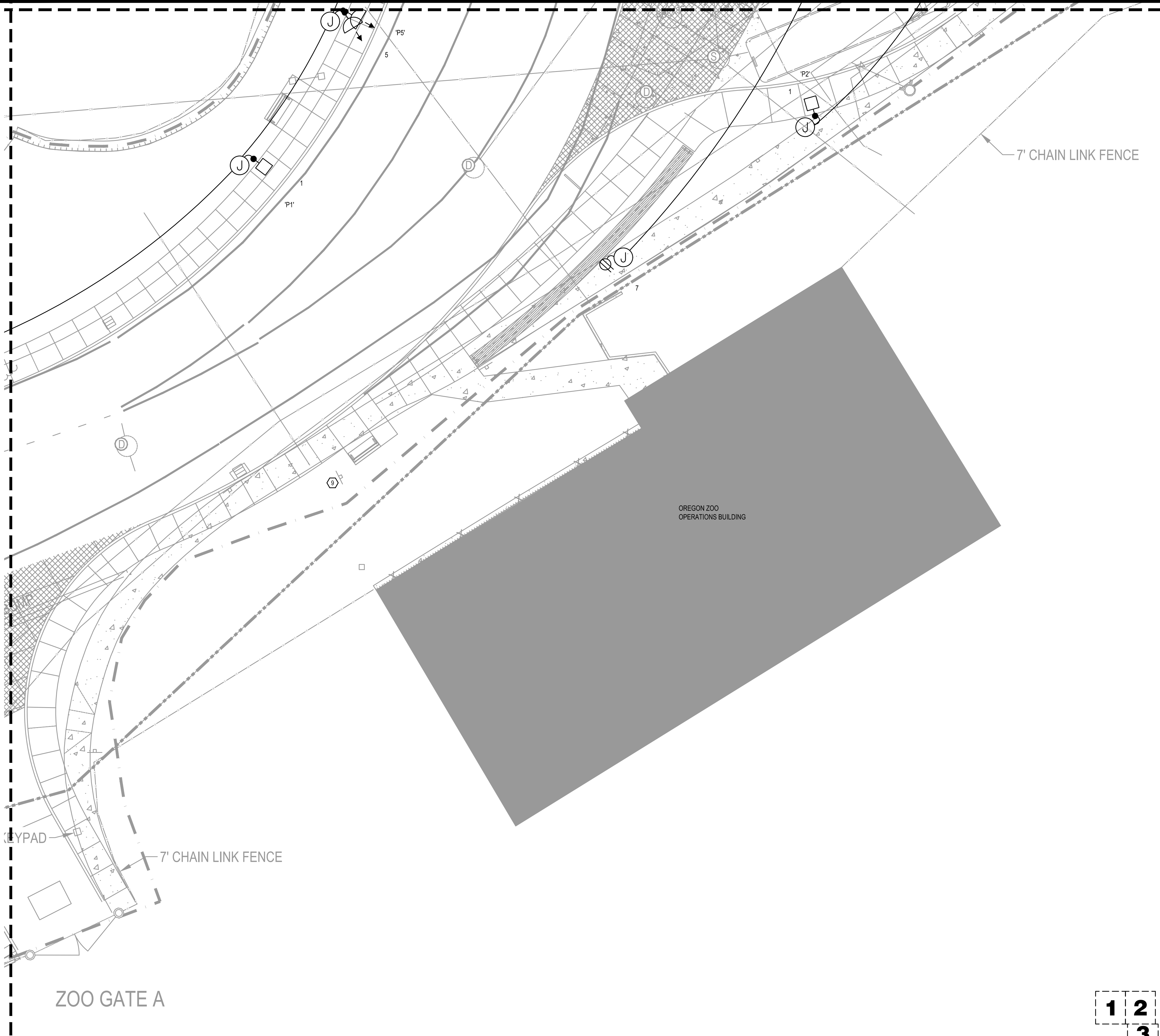
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DATE	DESCRIPTION	BY

SITE PLAN
AREA 3 –
ELECTRICAL

E2.3

PERMIT SET

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WASHINGTON PARK, SOUTH ENTRY

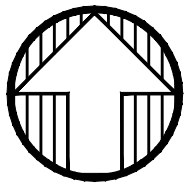
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SITE PLAN
AREA 4 -
ELECTRICAL

E2.4



1
E2.4

SITE PLAN AREA 4 - ELECTRICAL
SCALE: 1" = 10'

1 2
3
7 6 5 4

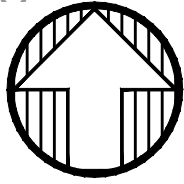
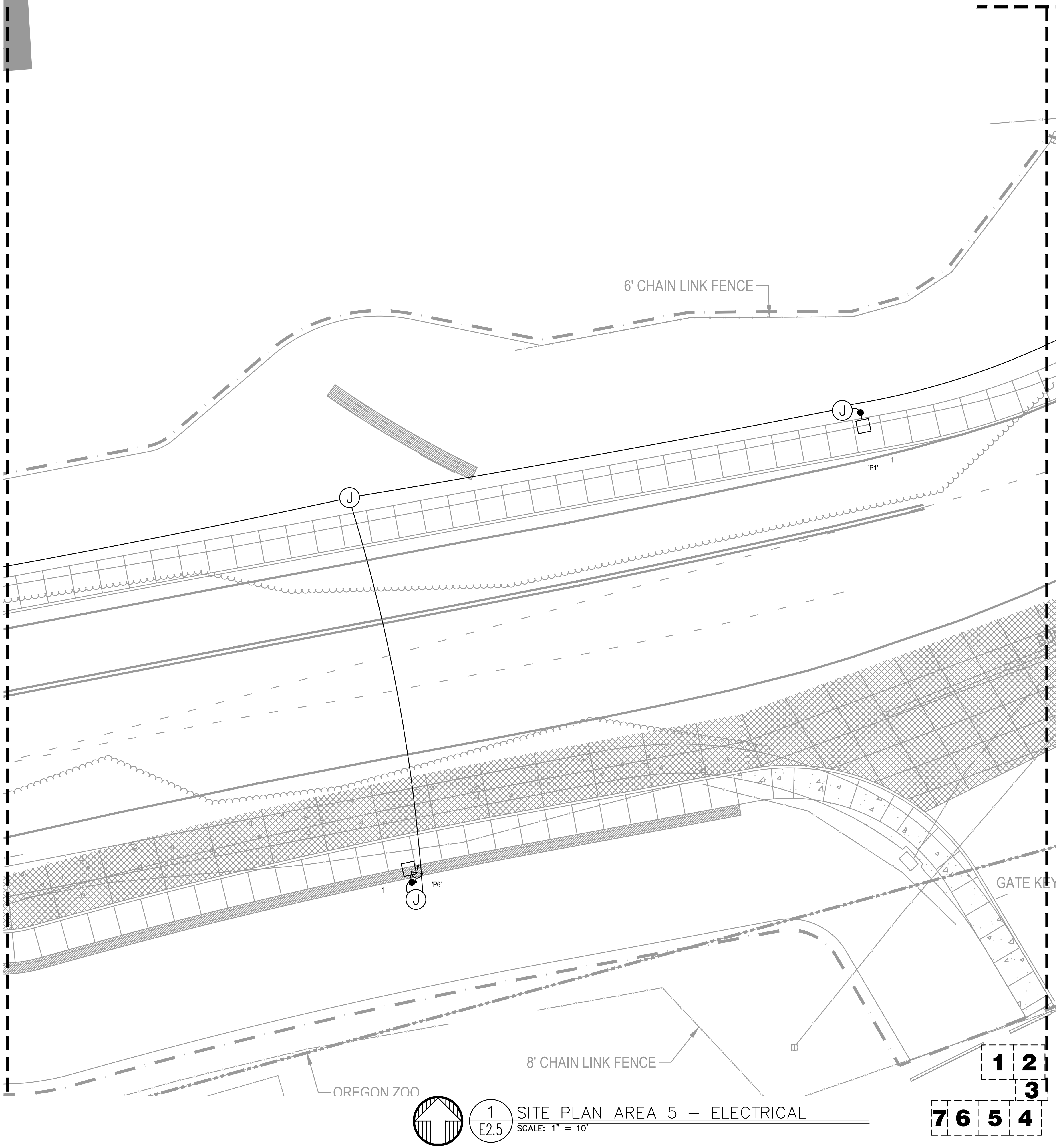


0 5 10 20 30 50FT
SCALE 1"=10'

PERMIT REVIEW STAMP

PERMIT SET

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1
E2.5

SITE PLAN AREA 5 - ELECTRICAL
SCALE: 1" = 10'



0 5 10 20 30 40 50 FT
SCALE 1"=10'

PERMIT REVIEW STAMP

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WASHINGTON PARK, SOUTH ENTRY

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SECTION: NORTHWEST

DRAWN BY:

SCALE AS SHOWN

DATE 09/15/21

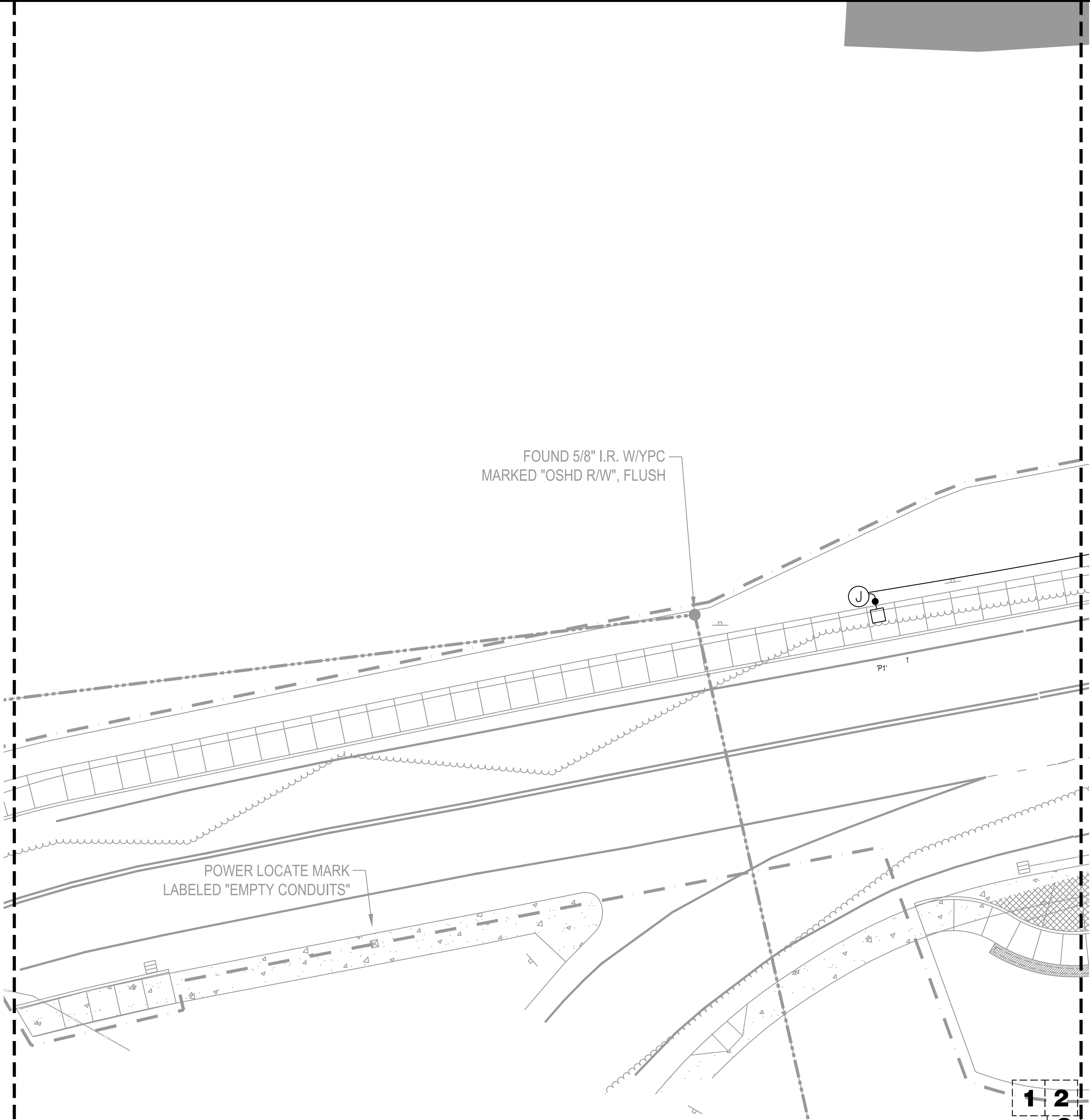
REVISIONS		
DATE	DESCRIPTION	BY

SITE PLAN
AREA 5 -
ELECTRICAL

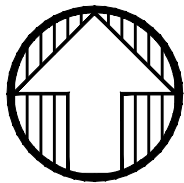
E2.5

PERMIT SET

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1
E2.6

SITE PLAN AREA 6 – ELECTRICAL
SCALE: 1" = 10'



0 5 10 20 30 50 FT
SCALE 1"=10'

PERMIT REVIEW STAMP



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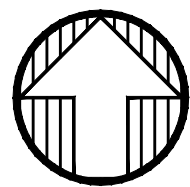
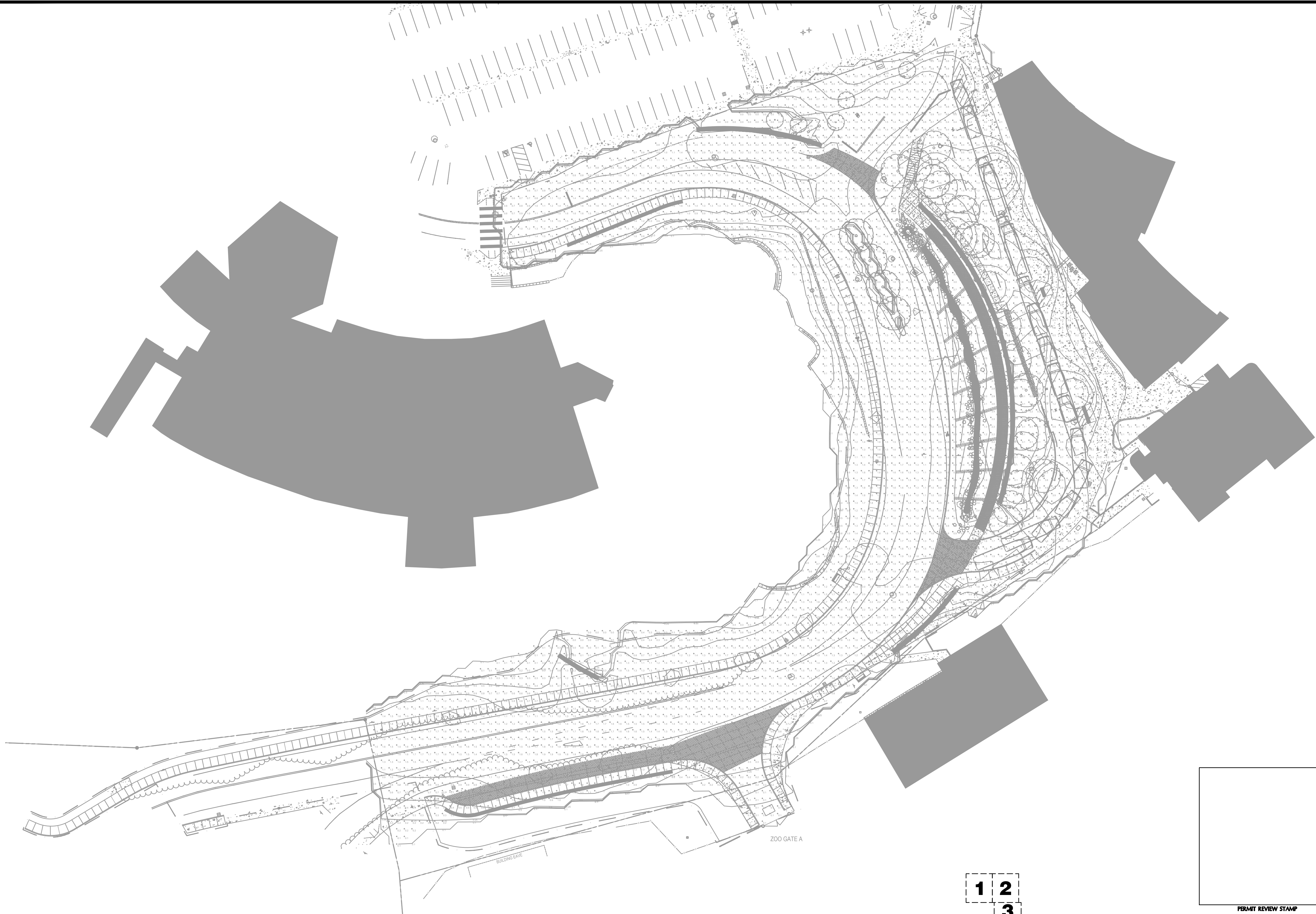
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DATE	DESCRIPTION	BY

SITE PLAN
AREA 6 –
ELECTRICAL

E2.6

PERMIT SET

ONE INCH
DRAWING SET SCALE
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1
E2.7

SITE PLAN OVERALL - PHOTOMETRICS
SCALE: 1" = 30'

1 2
3
7 6 5 4

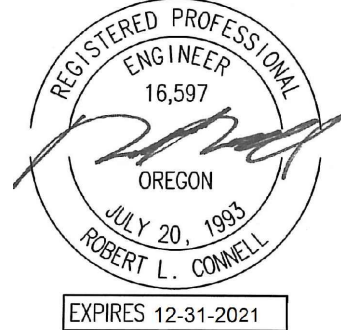


0 5 10 20 30 50FT
SCALE 1"=10'

PERMIT REVIEW STAMP



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CONTACT: Rob Connell

PORTLAND PARKS AND RECREATION

CARMEN RUBIO, Commissioner

ADENA LONG, Director

WASHINGTON PARK, SOUTH ENTRY

4033 SW CANYON RD. PORTLAND OR 97221

PROJECT MANAGER: TRAVIS RUYBAL, RLA (503) 823-5487

SECTION: NORTHWEST

SCALE AS SHOWN

DRAWN BY:

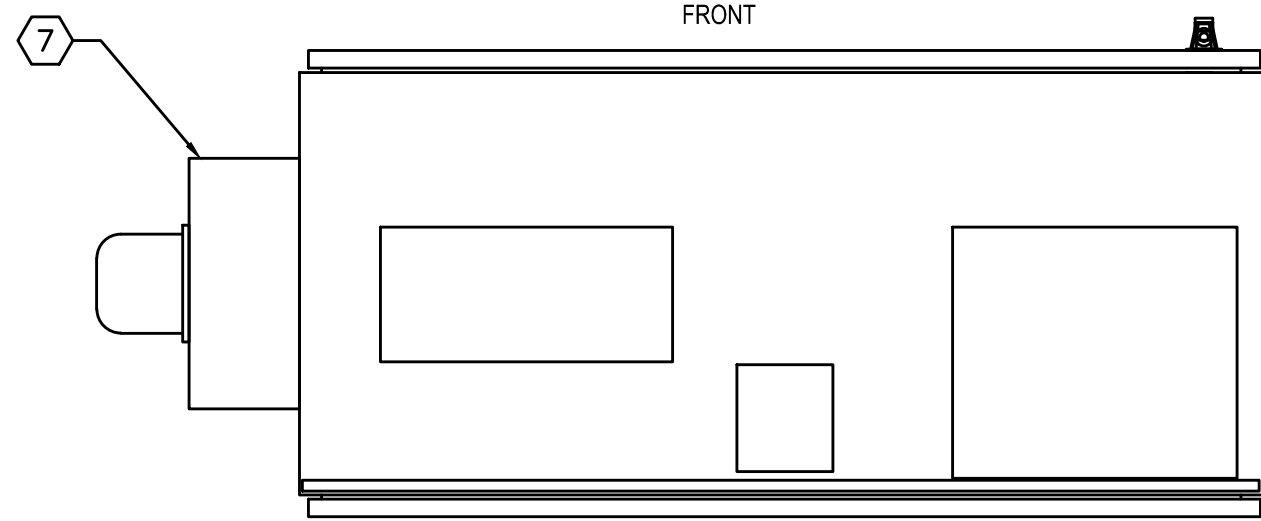
REVISIONS		
DATE	DESCRIPTION	BY

**SITE PLAN
OVERALL -
PHOTOMETRICS**

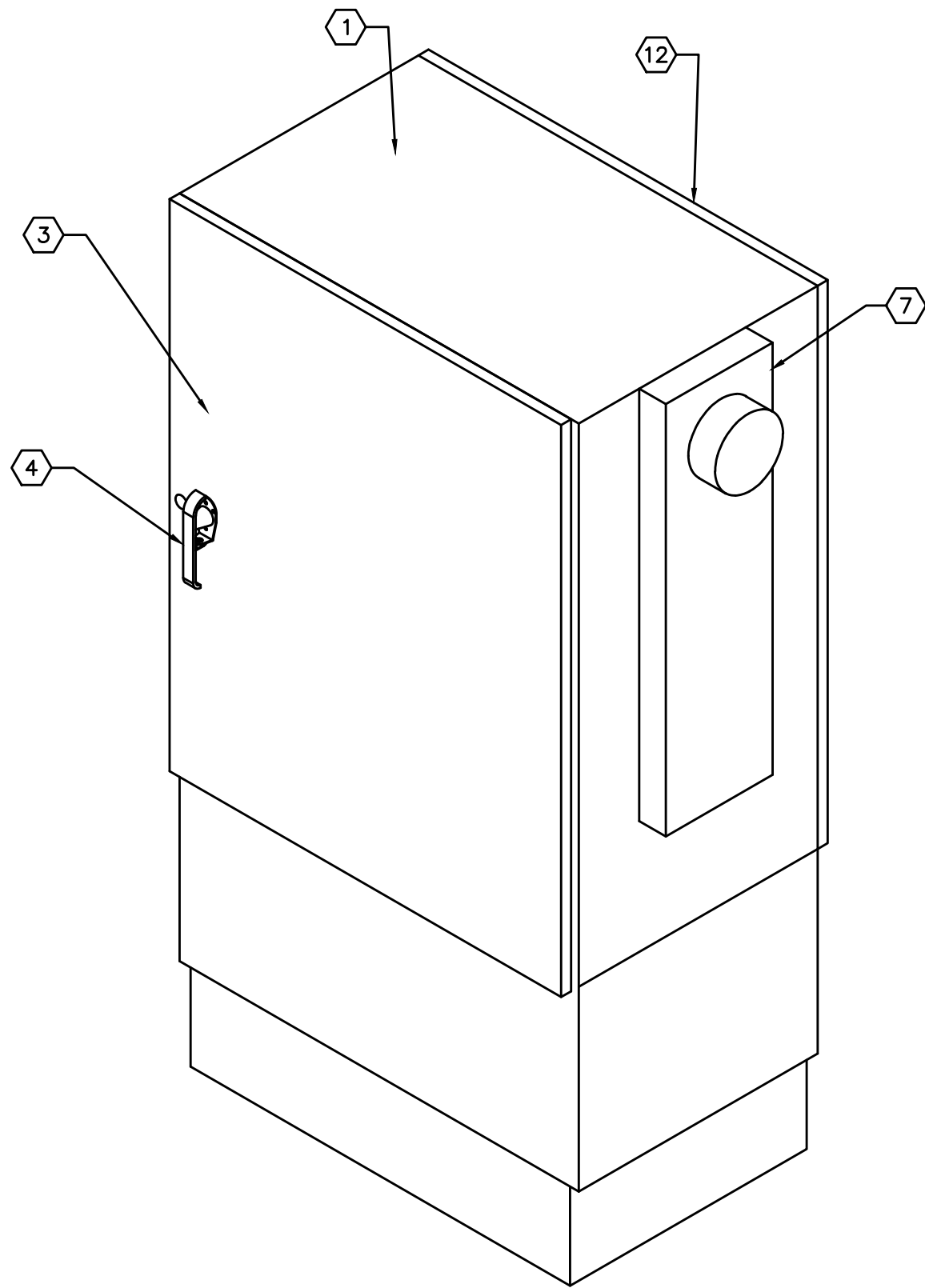
E2.7

PERMIT SET

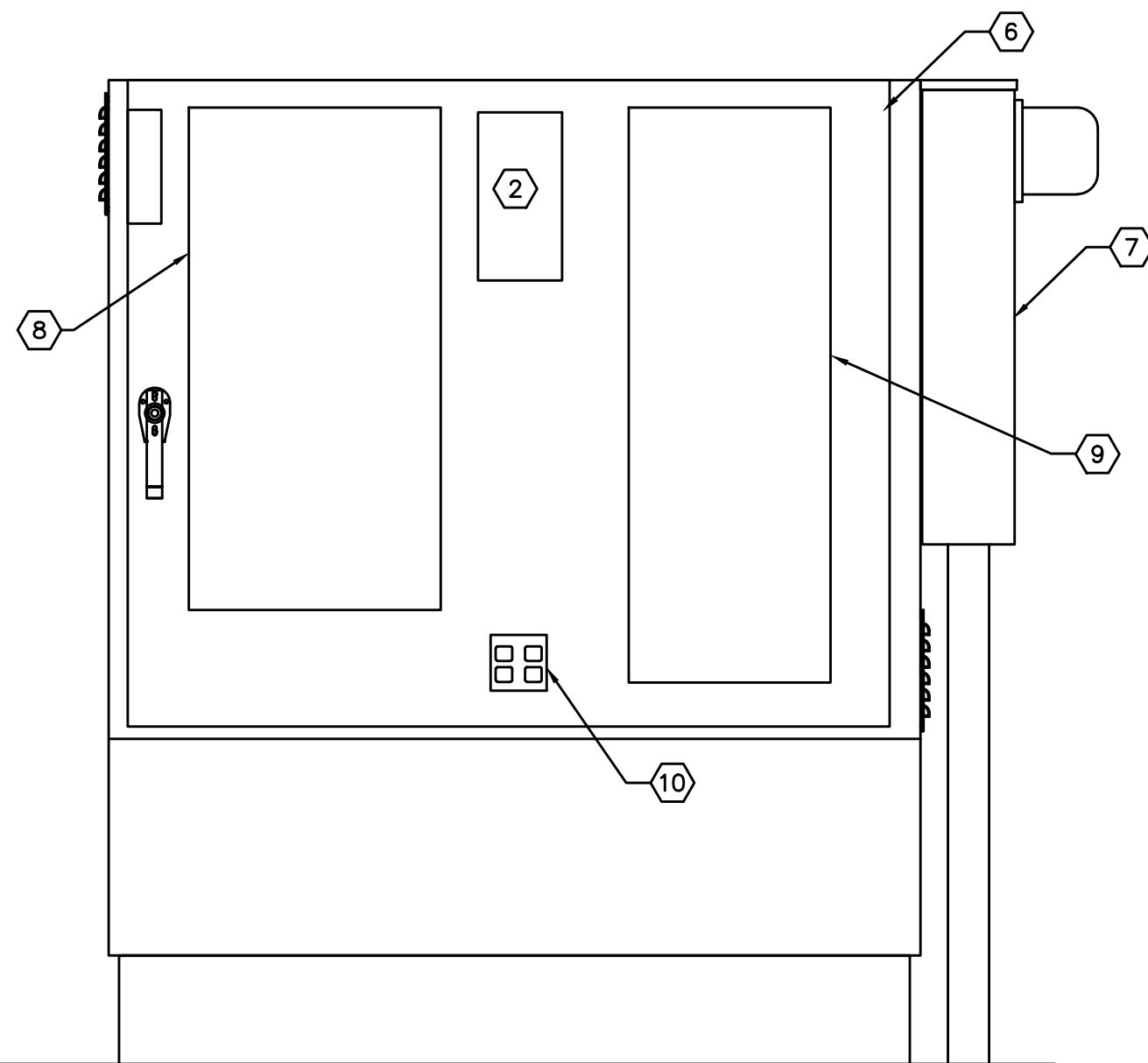
ONE INCH
DRAWING SET SCALE
IF THIS BAR DOES NOT MEASURE 4 INCH IN LENGTH, THE SCALE INDICATED THROUGHOUT THIS SET IS NOT ACCURATE. VERIFY SCALE PRIOR TO USING DRAWINGS.



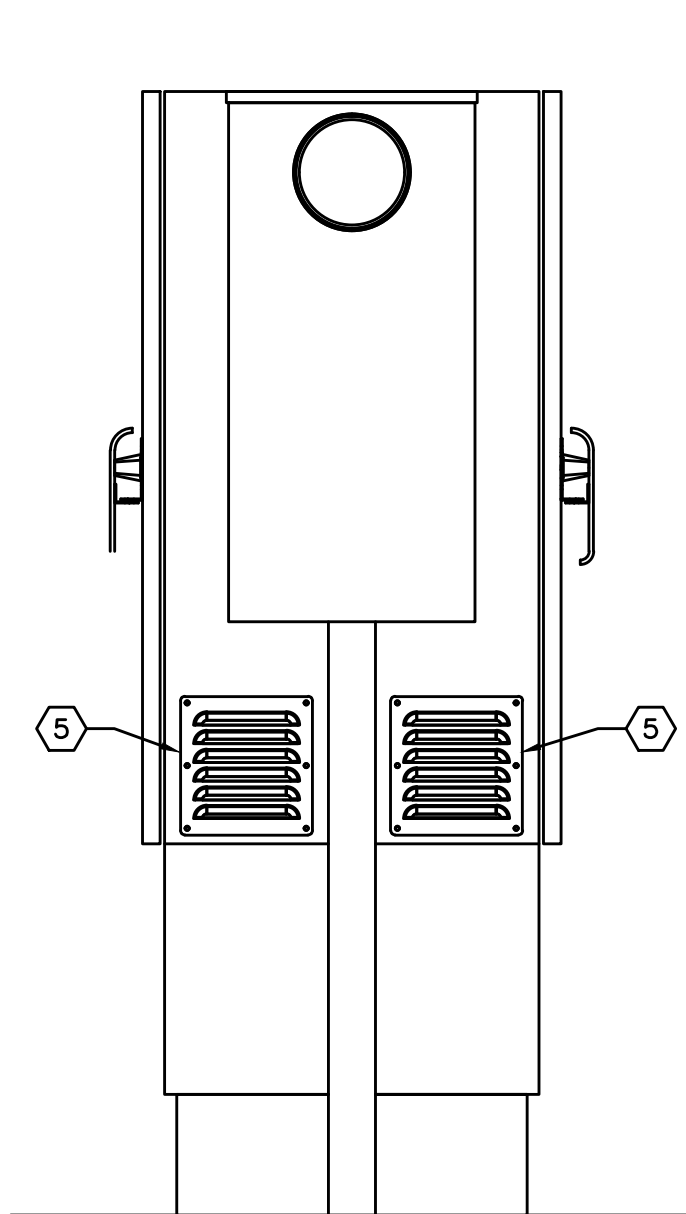
TOP VIEW



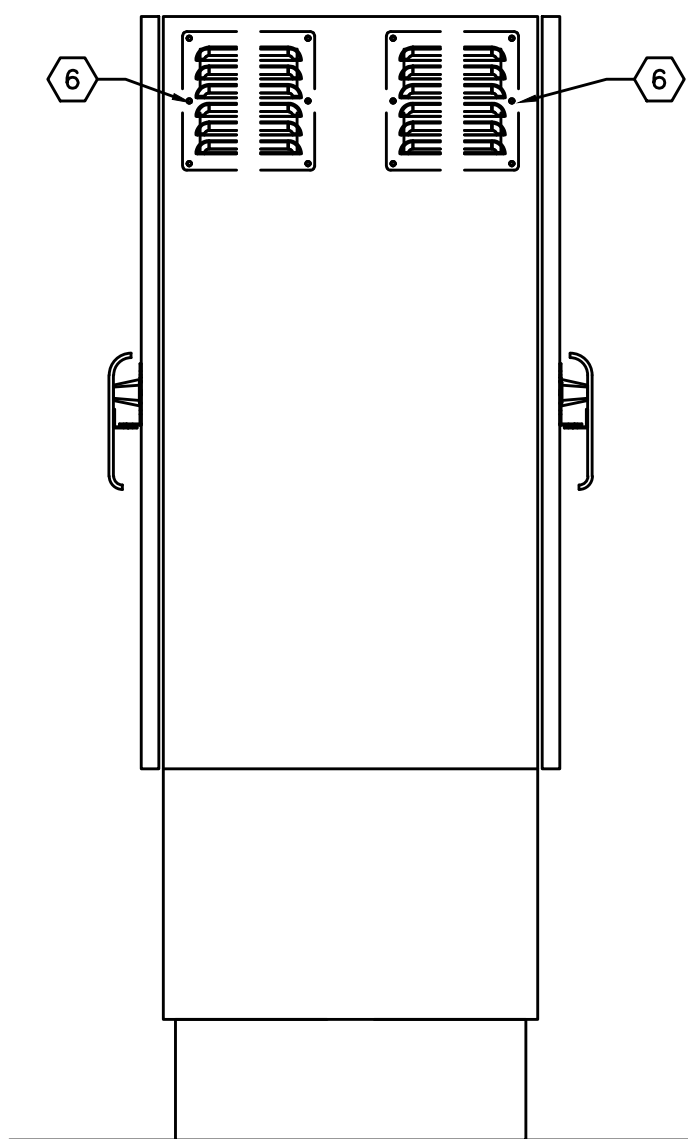
ISOMETRIC VIEW



FRONT ELEVATION



RIGHT ELEVATION



LEFT ELEVATION

NOTES THIS DETAIL

- ENCLOSURE BODY NEMA 3R, 12GA STAINLESS STEEL.
- 6 POLE CONTACTOR, 120/277 VOLT COIL.
- PANELBOARDS SECTION DOOR
- 73NS PAD LOCKABLE HANDLES
- SS LOUVER WITH A FILTER KIT
- 4" FAN 120V, HOFFMAN SA4AXFN
- METER BASE 124 TB 100A, COMPLY WITH PGE EUSERC REQUIREMENTS
- PANELBOARD '4P'. SEE PANEL SCHEDULE.
- PANELBOARD '2P' WITH INTEGRAL TRANSFORMER.
- DEDICATED 20AMP/1P 120V QUAD RECEPTACLE, GFI, SURFACE MOUNTED.
- PLYWOOD BACKBOARD.
- STATIONARY BACK OF CABINET

GENERAL NOTES

- CABINET SHALL BE RATED, BRACED, MOUNTED AND INSTALLED TO CONFORM TO THE STATE AND LOCAL SEISMIC RATING FOR THE SPECIFIC LOCATION.
- COORDINATE PLACEMENT CLEARANCE AND ORIENTATION WITH LANDSCAPE DRAWINGS
- INTERNAL RACEWAY NOT SHOWN FOR CLARITY.
- ELECTRICAL ENCLOSURE WILL HOUSE METER BASE, ELECTRICAL PANEL, BREAKERS, TIME CLOCK, FANS, 6 POLE CONTACTOR, RECEPTACLES. CONTRACTOR PROVIDED.



PORTLAND
PARKS & RECREATION

Healthy Parks, Healthy Portland



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DATE 09/15/21 SCALE AS SHOWN DRAWN BY: SECTION: NORTHWEST

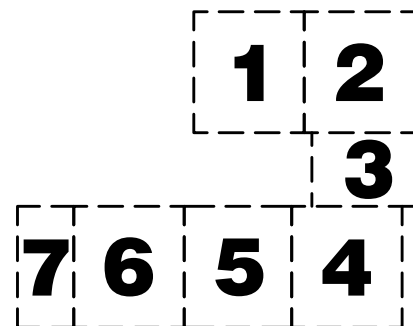
REVISIONS

DATE	DESCRIPTION	BY

**ELECTRICAL
DETAILS**

E3.0

1 SERVICE CABINET DETAILS
E3.0 NTS

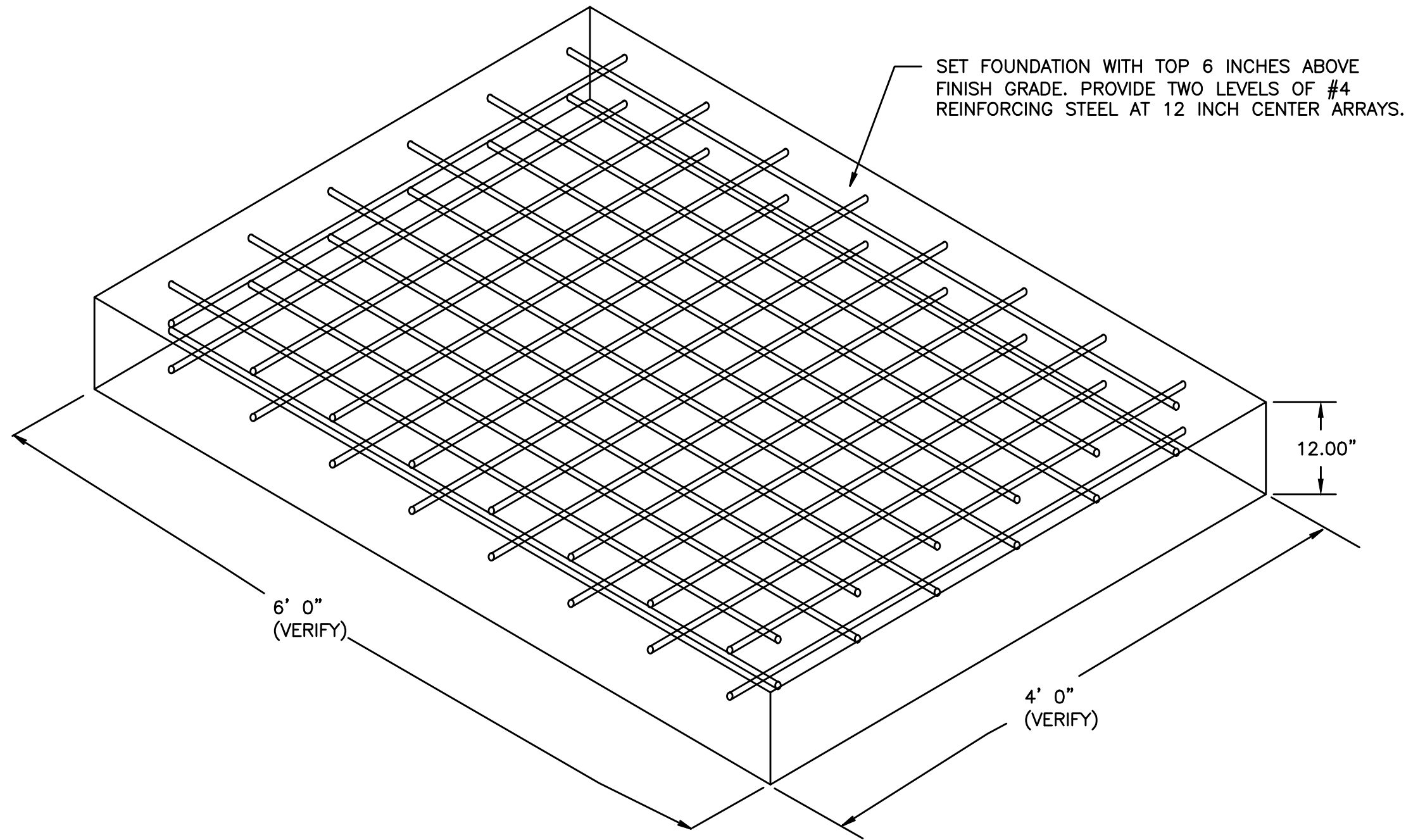


SCALE 1"=10'

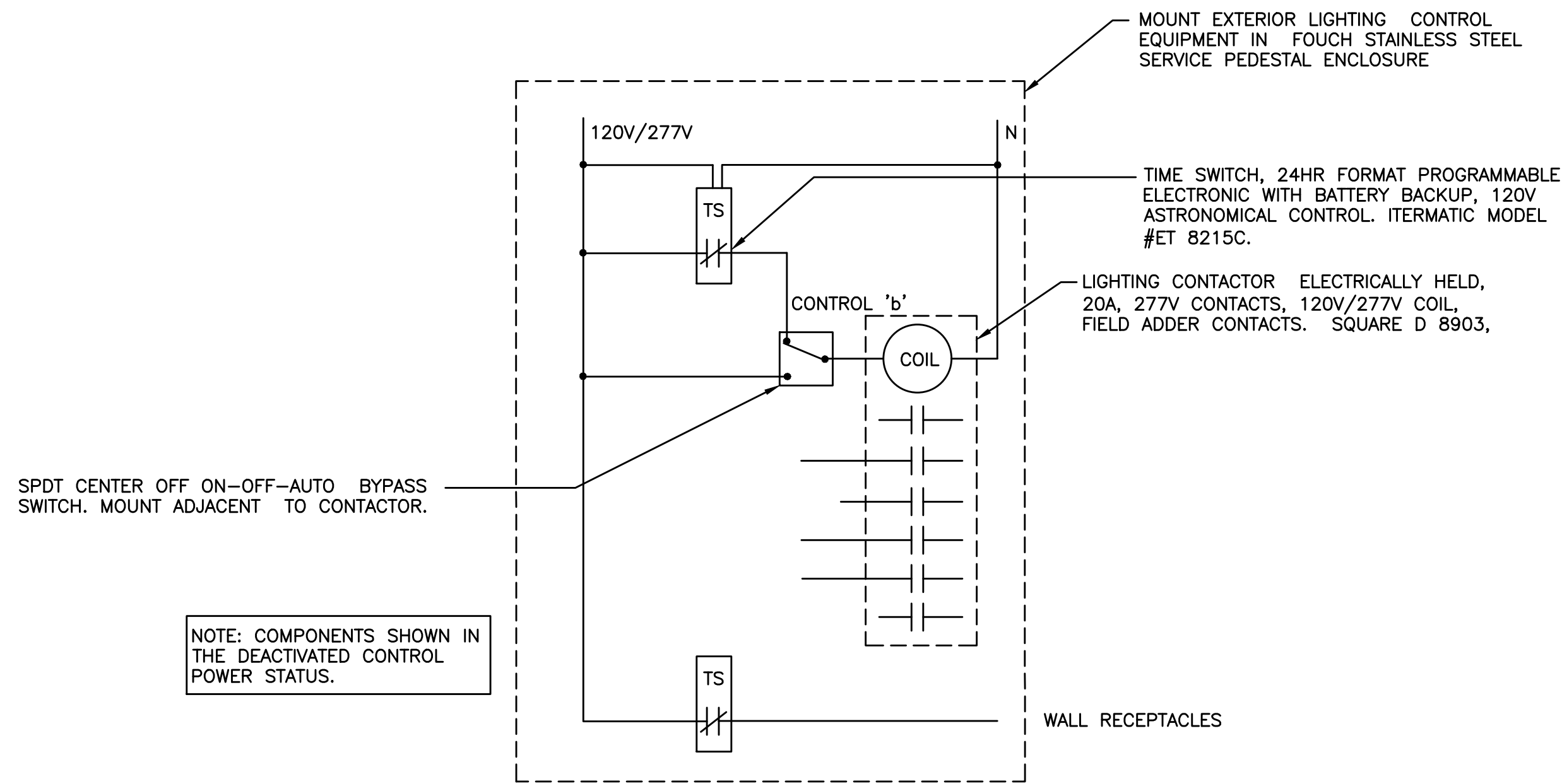
PERMIT REVIEW STAMP

PERMIT SET

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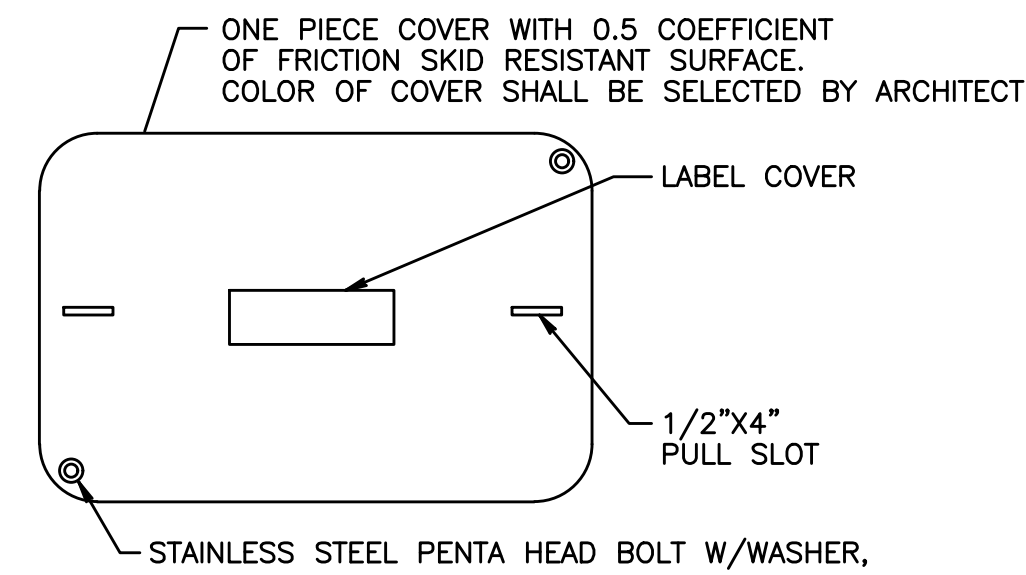


4 SERVICE CABINET FOUNDATION
E3.1 NTS



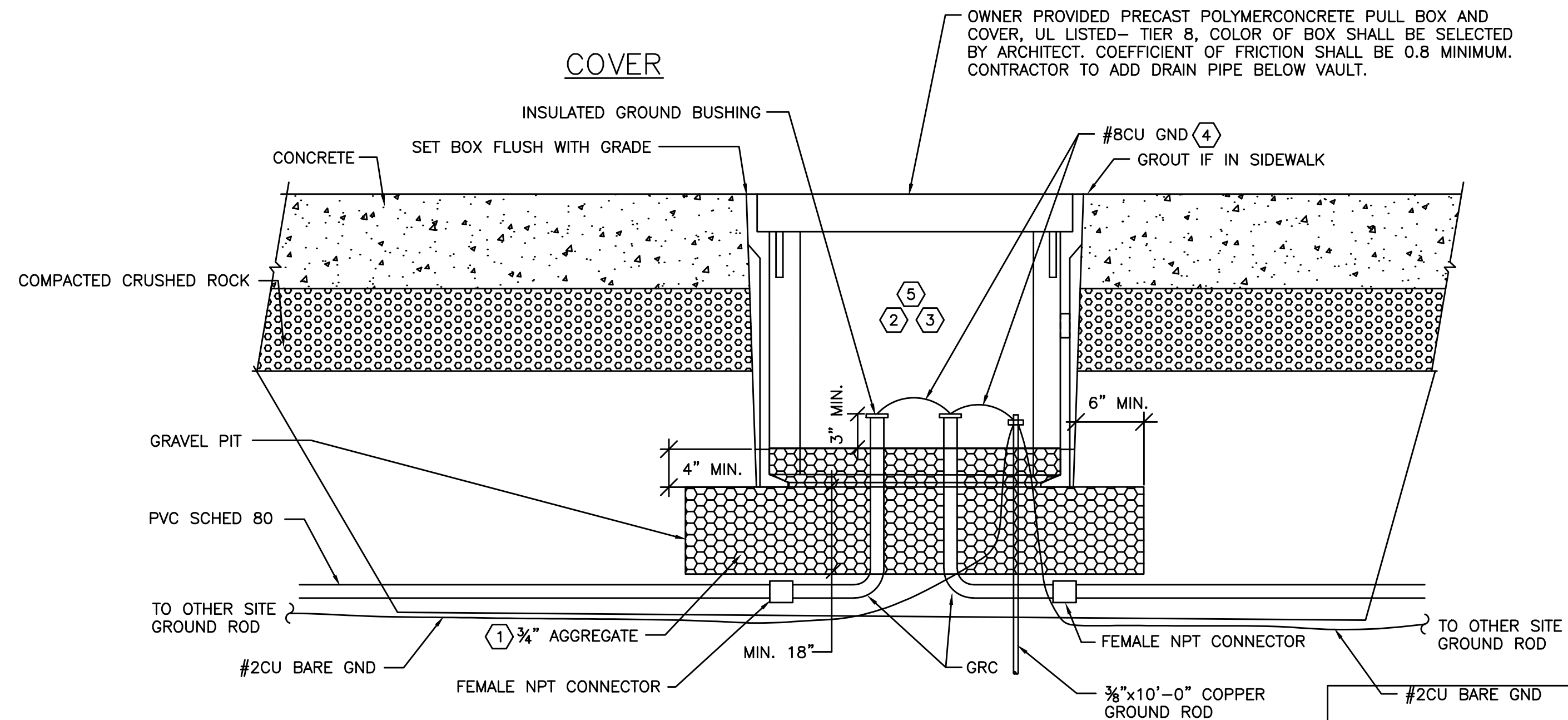
2 EXTERIOR LIGHTING CONTROL DIAGRAM
E3.1 NTS

3 ABOVE GRADE RECEPTACLE CABINET
E3.1 NTS



BOX DIMENSIONS

11" X 18" X 12" SYNERTECH S1118B12FA

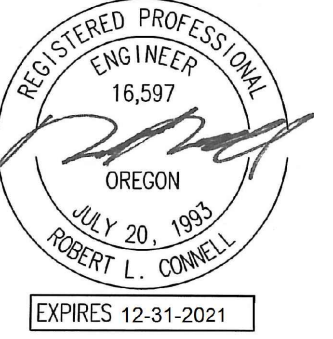


NOTE THIS DETAIL:

- 1 INSTALL ON 3/4" AGGREGATE WHICH SHALL EXTEND A MINIMUM OF 6" BEYOND ALL SIDES OF BOX AND BE A MINIMUM OF 18" DEEP, BELOW THE BOX.
- 2 COORDINATE DRILLING OF BOX WITH MANUFACTURER PRIOR TO DRILLING. DRILLED CONDUIT HOLES SHALL NOT EXCEED 26% PER MANUFACTURER'S INSTRUCTIONS.
- 3 SYNERTECH HANDHOLE. SEE "BOX DIMENSIONS" FOR HANDHOLE TYPE AND DIMENSIONS (TIER 8). PROVIDE CUSTOM COLOR IN BID. ADD DRAIN PIPE BELOW VAULT.
- 4 BOND CIRCUIT GROUND CONDUCTOR AT EACH HANDHOLE.
- 5 MATERIALS USED FOR SPLICING AND TERMINATIONS MUST BE APPROVED FOR DAMP/WET LOCATIONS.

1 FLUSH WITH GRADE HANDHOLE
E3.1 NTS

SCALE 1"=10'



REVISIONS

DATE	DESCRIPTION	BY

ELECTRICAL
DETAILS

E3.1

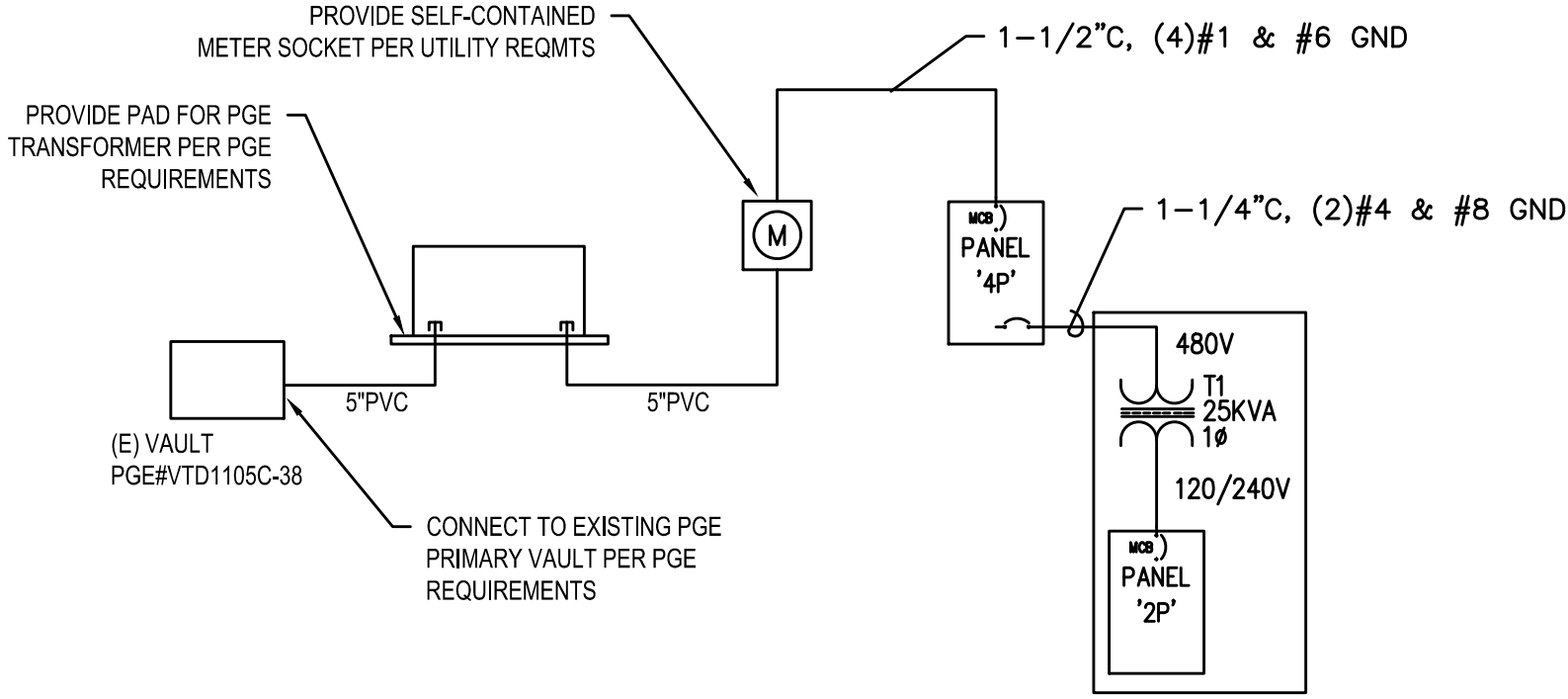
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PERMIT REVIEW STAMP

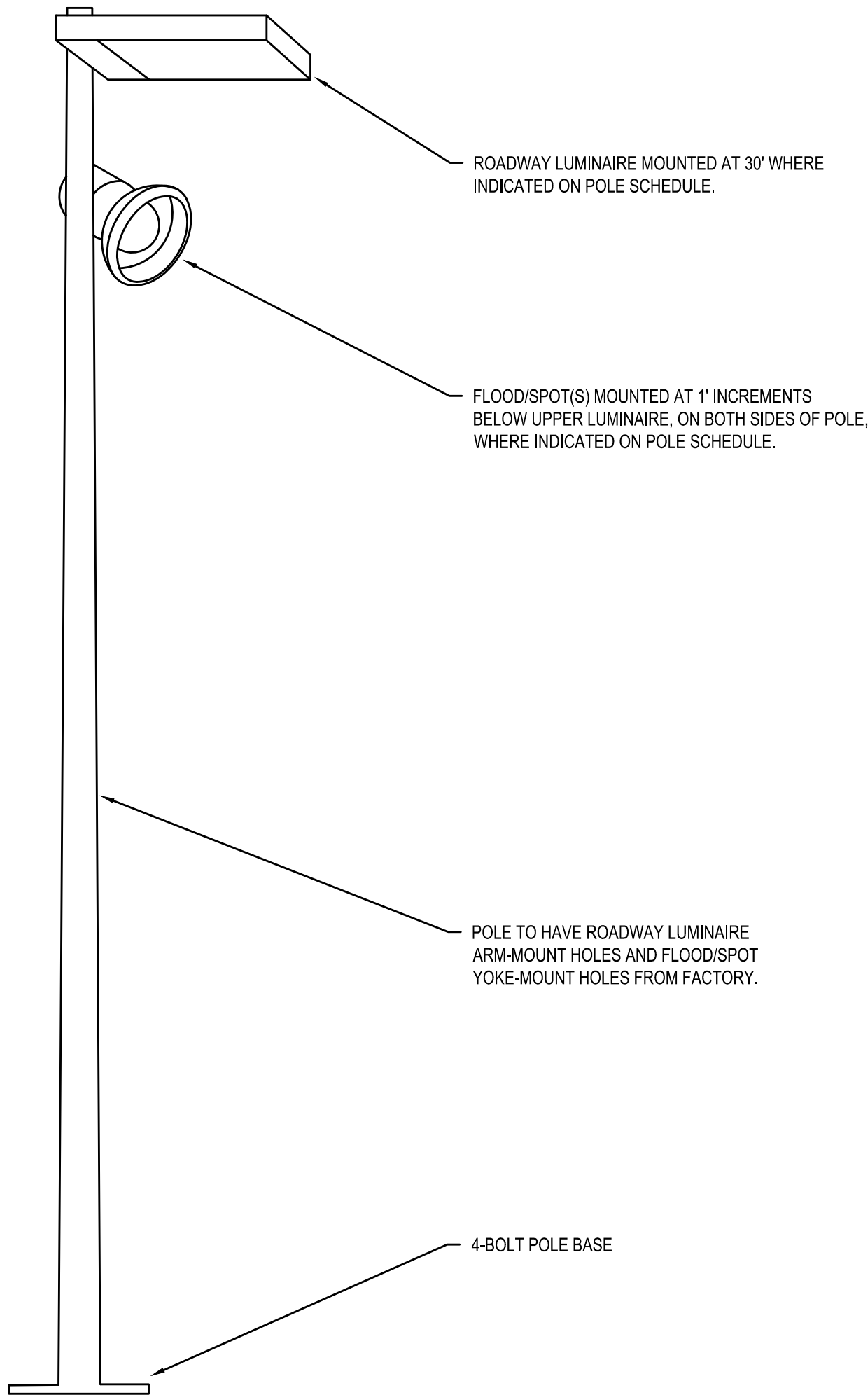
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MFIA PANEL SCHEDULE												
panel 4A			mounting SURFACE			location CABINET			connected load amps 11			
voltage 480Y/277V			phase 3			bus & main 100A MCB			calculated load amps 11			
C	service		va	a/p	no.	a b c	no.	a/p	va	service		C
1	LTS - ROADWAY		1500	20/1	1	*	2			FUTURE PKG LOT LTS		
1	LTS - PATHWAY		60	20/1	3	*	4			FUTURE PKG LOT LTS		
1	LTS - WALL		800	20/1	5	*	6			FUTURE PKG LOT LTS		
	SPARE			20/1	7	*	8			FUTURE PKG LOT LTS		
	SPARE			20/1	9	*	10			FUTURE PKG LOT LTS		
	SPARE			20/1	11	*	12			FUTURE PKG LOT LTS		
					13	*	14			FUTURE PKG LOT LTS		
					15	*	16			FUTURE PKG LOT LTS		
					17	*	18					
					19	*	20					
					21	*	22					
					23	*	24					
					25	*	26					
					27	*	28					
					29	*	30					
					31	*	32					
					33	*	34					
					35	*	36					
					37	*	38					
					39	*	40	60/2	3100	PANEL '2B'		7
					41	*	42	*	3360	*		7
Phase A			1500 VA			NOTES:				line-line voltage		
Phase B			3160 VA							480		
Phase C			4160 VA							largest motor (va)		
Total Connected			8820 VA							0		
load code:			ph. A	ph. B	ph. C		total	factor	calculated load (va)			
1. LIGHTS=			1500	60	800 VA		2360	1.25	2950			
2. RECEPT.=			0	0	0 VA		0	1 + 0.5	0			
3. HEATING=			0	0	0 VA		0	1.00	0			
4. KITCHEN=			0	0	0 VA		0	1.00	0			
5. EQUIP.=			0	0	0 VA		0	1.00	0			
6. MOTORS=			0	0	0 VA		0	*	0			
7. MISC=			0	3100	3360 VA		6460	1.00	6460			
(* 125% of the largest motor + 100% of the balance)								TOTAL =			9410	

MFIA PANEL SCHEDULE											15-Sep-21				
panel 2A			mounting Surface			location CABINET			connected load			27			
voltage 120/240V			phase 1		bus & main 100A MCB					calculated load			27		
C	service		va	a/p	no.	L1	L2	no.	a/p	va	service		C		
2	REC - NORTH WALL		1500	20/1	1	*		2	20/1		SPARE				
2	REC - MID WALL		1500	20/1	3	*		4	20/1		SPARE				
2	REC - MID WALL		1500	20/1	5	*		6			BLANK				
2	REC - SOUTH WALL		1500	20/1	7	*		8			BLANK				
5	IRRIGATION CONTROLLER		100	20/1	9	*		10			BLANK				
2	REC - CABINET		360	20/1	11	*		12			BLANK				
Line 1			3100 VA			NOTES:					line-line voltage				
Line 2			3360 VA								240				
Total Connected			6460 VA								largest motor (va)				
											0				
load code:			line 1	line 2				total	factor	calculated load (va)					
1. LIGHTS=			0	0				VA	0	1.25	0				
2. RECEPT.=			3000	3360				6360	1 + 0.5	6360					
3. HEATING=			0	0				VA	0	1.00	0				
4. KITCHEN=			0	0				VA	0	1.00	0				
5. EQUIP. =			100	0				VA	100	1.00	100				
6. MOTORS=			0	0				VA	0	*	0				
7. SUB-PANEL. =			0	0				VA	0	1.00	0				
(* 125% of the largest motor + 100% of the balance)											TOTAL =			6460	



3 ONE-LINE DIAGRAM
E3.2 480Y/277V-3PH-4W

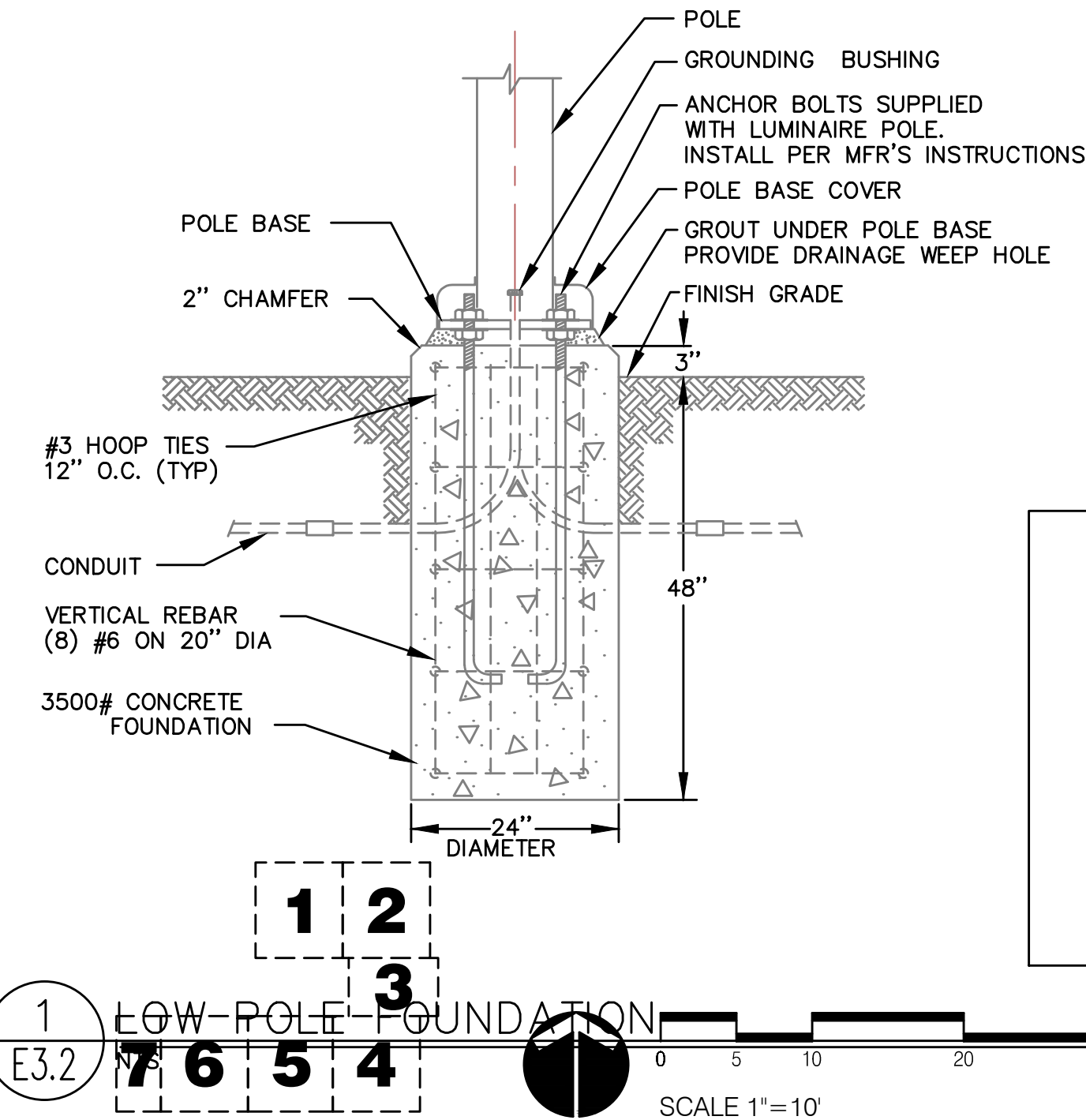


2 DUAL-USE POLE DETAIL
E3.2 NTS

LIGHT FIXTURE SCHEDULE	
'R1'	SINGLE-HEAD ROADWAY/PARKING LOT LED FIXTURE, ARM-MOUNTED, TYPE 2 DISTRIBUTION, 13100 LUMENS, 135W, 277V. COOPER "PREVAIL" SERIES OR APPROVED.
'R2'	SINGLE-HEAD ROADWAY/PARKING LOT LED FIXTURE, ARM-MOUNTED, TYPE 2 DISTRIBUTION, 7100 LUMENS, 75W, 277V. COOPER "PREVAIL" SERIES OR APPROVED.
'F1'	15" DEEP X 12" DIAMETER YOKE-MOUNT LED FLOOD LIGHT, TYPE HFL (HORIZONTAL FLOOD) DISTRIBUTION, 5000 LUMENS, 55W, 277V. HYDREL "TPS2" SERIES.
'S1'	15" DEEP X 12" DIAMETER YOKE-MOUNT LED SPOT LIGHT, TYPE HSP (HORIZONTAL SPOT) DISTRIBUTION, 4400 LUMENS, 45W, 277V. HYDREL "TPS2" SERIES.
'Z1'	31" DIAM REFLECTIVE DISK POLE-TOP FIXTURE, TYPE V DISTRIBUTION, 1742 LUMENS, 20W, 277V. BEGA #77-208

LIGHT POLE SCHEDULE

'P1'	31" ALUMINUM ROUND TAPERED POLE WITH SINGLE TYPE 'R1' LUMINAIRE ARM-MOUNTED AT 30'. VALMONT OR APPROVED.
'P2'	31" ALUMINUM ROUND TAPERED POLE WITH SINGLE TYPE 'R2' LUMINAIRE ARM MOUNTED AT 30'. VALMONT OR APPROVED.
'P3'	31" ALUMINUM ROUND TAPERED POLE WITH SINGLE TYPE 'R2' LUMINAIRE ARM MOUNTED AT 30', (2) TYPE 'F1' LUMINAIRES YOKE-MOUNTED AT 29', AND (1) TYPE 'F1' LUMINAIRE YOKE-MOUNTED AT 28'. VALMONT OR APPROVED.
'P4'	31" ALUMINUM ROUND TAPERED POLE WITH (2) TYPE 'F1' LUMINAIRES YOKE-MOUNTED AT 30', AND (1) TYPE 'F1' LUMINAIRE YOKE-MOUNTED AT 29'. VALMONT OR APPROVED.
'P5'	31" ALUMINUM ROUND TAPERED POLE WITH (2) TYPE 'F1' LUMINAIRES YOKE-MOUNTED AT 30'. VALMONT OR APPROVED.
'P6'	31" ALUMINUM ROUND TAPERED POLE WITH SINGLE TYPE 'R2' LUMINAIRE ARM MOUNTED AT 30', AND (1) TYPE 'S1' LUMINAIRE YOKE-MOUNTED AT 29'. VALMONT OR APPROVED.
'P7'	10" ROUND STEEL POLE WITH TYPE 'Z1' POST-TOP LUMINAIRE. BEGA.



1 LOW POLE FOUNDATION
E3.2 SCALE 1"=10'



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SCALE AS SHOWN

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ELECTRICAL DETAILS

E3.2

PERMIT SET