

Specific Use Permit (SUP) Proposal

Location: Olympus Town Center, 1300 Keller Parkway, Keller, TX 76248

Applicant: SitelogIQ, Inc.

Prepared for: City of Keller Planning and Zoning Commission & City Council

This SUP request seeks approval for the installation of six (6) dual-port ChargePoint CPF50 pedestal-mounted EV chargers (total of 6 charging ports) across three designated parking areas within Olympus Town Center. The outline for the special conditions and additional requirements for the property controlled by the SUP includes:

- 1. Streets, Alleys, and Sidewalks:** No changes to existing public streets or sidewalks. All work remains within private property parking areas.
- 2. Ingress and Egress:** No modification to public ingress/egress. Parking circulation remains unaffected.
- 3. Drainage Provisions:** Installation involves minimal trenching. Existing site grading and stormwater drainage are not altered.
- 4. Off-Street Parking:** Six standard parking stalls will be converted to EV charging stalls, compliant with City requirements. Painted striping and stencils will clearly designate these stalls.
- 5. Screening and Open Space:** Chargers are pedestal-mounted with protective bollards; visual impact is minimal. Landscaping and open space remain unchanged.
- 6. Height of Structures:** Pedestal chargers are 6' in height. No vertical structures beyond bollards which are 4' in height.
- 7. Compatibility of Buildings:** Equipment is sited adjacent to existing residential buildings (6, 7, and 17). Compatible with existing architectural context.
- 8. Hours of Operation:** 24/7 availability. Equipment is silent and does not generate nuisance conditions.
- 9. Time Limits:** No specific operational time limit; chargers remain permanent site fixtures.

Jordon Escamilla

Electrical Designer

M: 323.313.9698

SITELOGIQ.COM



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1151 North Del Rio Place, Ontario, CA 91764

To: City of Keller Planning and Zoning Commission & City Council

From: SitelogIQ, Inc.

Subject: Justification for SUP – EV Charging Station Installation at Olympus Town Center

Date: September 16, 2025

Dear Commissioners and Council Members,

We respectfully submit this letter to provide justification for our Specific Use Permit (SUP) request for the installation of EV charging stations at Olympus Town Center. Below we address the criteria used by the City of Keller in evaluating SUP applications:

Harmonious and Compatible Use

The EV charging stations are compatible with the existing residential and mixed-use character of the site. They represent a low-profile, environmentally beneficial use that complements existing parking facilities without creating adverse impacts.

Associated Activities

Charging activities are directly tied to parking lot usage, an already permitted and essential use of the property. This makes EV charging a natural accessory use within the district.

Reasonableness and Appropriateness

As electric vehicle adoption continues to grow, on-site charging is becoming a necessary and expected amenity. Locating chargers within the parking areas of Olympus Town Center is both appropriate and beneficial to residents and visitors alike.

Mitigation of Potential Impacts

The project will not create measurable traffic, noise, or drainage issues. Electrical capacity has been confirmed through load analysis, and safety measures such as bollards, stencils, and NEC-compliant installation will mitigate risks. The chargers operate quietly.

Consistency with District Intent

This project aligns with the intent of the district by enhancing infrastructure while preserving the community's mixed-use and residential focus. The EV chargers add value by supporting sustainability and modern transportation needs without altering the neighborhood character.

Thank you for your consideration of this request. We are confident that the proposed EV charging stations will provide lasting benefits to the community and align with the City of Keller's vision for responsible development.

Jordon Escamilla

Electrical Designer

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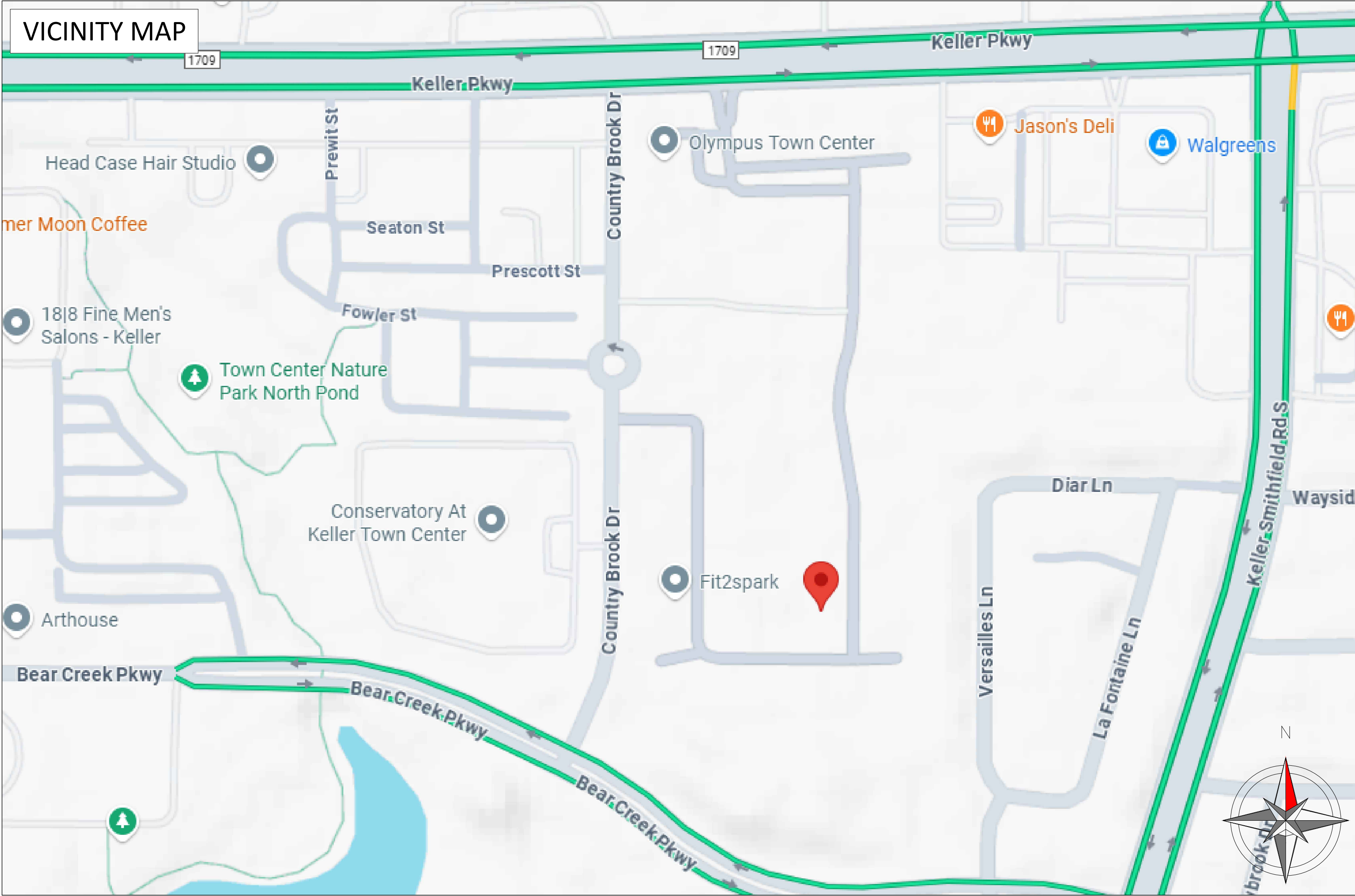
1151 North Del Rio Place, Ontario, CA 91764

SCOPE OF WORK:

1. EV CHARGERS - PROVIDE AND INSTALL:
- 1.1. (6) NEW CHARGEPOINT CPF50, DUAL-PORT, PEDESTAL MOUNT, EV CHARGERS. (6 PORTS TOTAL)
2. ELECTRICAL EQUIPMENT - PROVIDE AND INSTALL:
- 2.1. (6) NEW 40A, 240V, 2P, 10kAIC CIRCUIT BREAKERS.
3. MISCELLANEOUS: PROVIDE AND INSTALL:
- 3.1. (6) STANDARD BOLLARDS.
- 3.2. (6) TYP. GARDEN COMMUNITIES EV CHARGING STENCIL
- 3.3. PAINTED PARKING DIVIDER LINES.

GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE DESIGNED PER CITY OF KELLER AND THE FOLLOWING CODES.
- 1.1. TEXAS TDLR ELECTRICAL CODE 2023.
- 1.2. TEXAS IHB BUILDING CODE 2021.
2. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED OR CERTIFIED BY A NATIONALLY RECOGNIZED LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL HEALTH ADMINISTRATION (OSHA).
3. ALL ASSOCIATED ELECTRICAL EQUIPMENT ARC FLASH WARNING SHALL COMPLIED WITH NEC ARTICLE 110.16 AND AVAILABLE FAULT CURRENT MARKING SHALL COMPLIED WITH NEC ARTICLE ARTICLE 110.24.



BUILDING DATA

- APN:

07927428
- OCCUPANCY CLASS:

BC
- LEGAL DESCRIPTION:

KELLER TOWN CENTER ADDITION BLOCK C LOT 1

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REVISIONS		
DESCRIPTION	DATE	REV

site

logiq

Efficiency Powered by Intelligence

COVER SHEET

PERMIT APPLICATION

OLYMPUS TOWN CENTER

1300 KELLER PARKWAY,

KELLER, TX 76248

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EVCS DESIGN DOCUMENTS

TEMPLATE: 5.14.2025

DRAWN BY: HB

CHECKED BY:

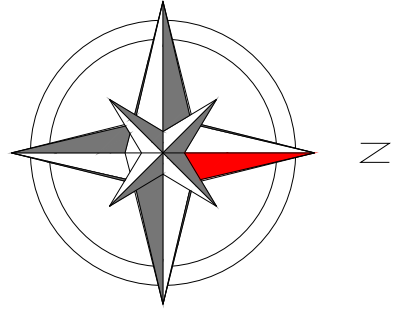
DATE: 9.2.2025

REVISION:

SHEET: E-01

Michael Nelson

MICHAEL NELSON
MASTER ELECTRICIAN (TX): LICENSE #: 261090



- KEY NOTES: #
- 1. (E) BUILDING.
 - 2. (E) SIDEWALK.
 - 3. (E) LANDSCAPE.
 - 4. (E) SWIMMING POOL.
 - 5. (E) CAR PARKING STALLS.
 - 6. (E) BLDG. 17 HOUSE PANEL. REFER TO SINGLE LINE DIAGRAM (SLD) SHEET [E-06] FOR ADDITIONAL INFORMATION.
 - 7. (E) BLDG. 6 HOUSE PANEL. REFER TO SINGLE LINE DIAGRAM (SLD) SHEET [E-07] FOR ADDITIONAL INFORMATION.
 - 8. (E) BLDG. 7 HOUSE PANEL. REFER TO SINGLE LINE DIAGRAM (SLD) SHEET [E-08] FOR ADDITIONAL INFORMATION.



SITE PLAN

PERMIT APPLICATION
OLYMPUS TOWN CENTER
1300 KELLER PARKWAY,
KELLER, TX 76248

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EVCS DESIGN DOCUMENTS

TEMPLATE: 5.14.2025

DRAWN BY: HB

CHECKED BY:

DATE: 9.2.2025

REVISION:

SHEET:

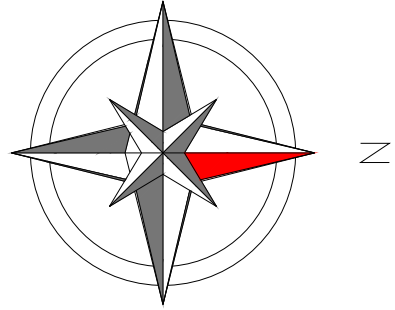
E-02



SITE PLAN
SCALE: NTS

COMIND008098_34922_OLYMPUS_OLYMPUS TOWN CENTER_EV PERMIT.DWG

Michael Nelson
MICHAEL NELSON
MASTER ELECTRICIAN (TX): LICENSE #: 261090



KEY NOTES: [#]

1. (N) CHARGEPOINT CPF50, DUAL- PORT, PEDESTAL MOUNT, EV CHARGER.
2. (N) STANDARD BOLLARDS. SEE SHEET [E-10] FOR DETAILS.
3. (N) TYP. GARDEN COMMUNITIES EV CHARGING STENCIL
4. NOT USED
5. (N) 9'-0" STANDARD EV CHARGING STALLS.
6. (N) PAINTED PARKING DIVIDER LINES.
7. (E) BLDG. 17 HOUSE PANEL. REFER TO SINGLE LINE DIAGRAM (SLD) SHEET [E-06] FOR ADDITIONAL INFORMATION.
8. (N) APPROXIMATE CONDUIT ROUTE.
9. (E) BUILDING.
10. (E) SIDEWALK.
11. (E) LANDSCAPE.



EV LAYOUT 1

PERMIT APPLICATION

OLYMPUS TOWN CENTER
1300 KELLER PARKWAY,
KELLER, TX 76248

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TEMPLATE: 5.14.2025

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DATE: 9.2.2025

REVISION:

SHEET:

E-03

EV LAYOUT BLDG. 17

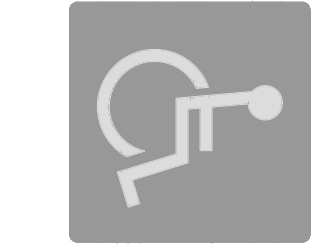
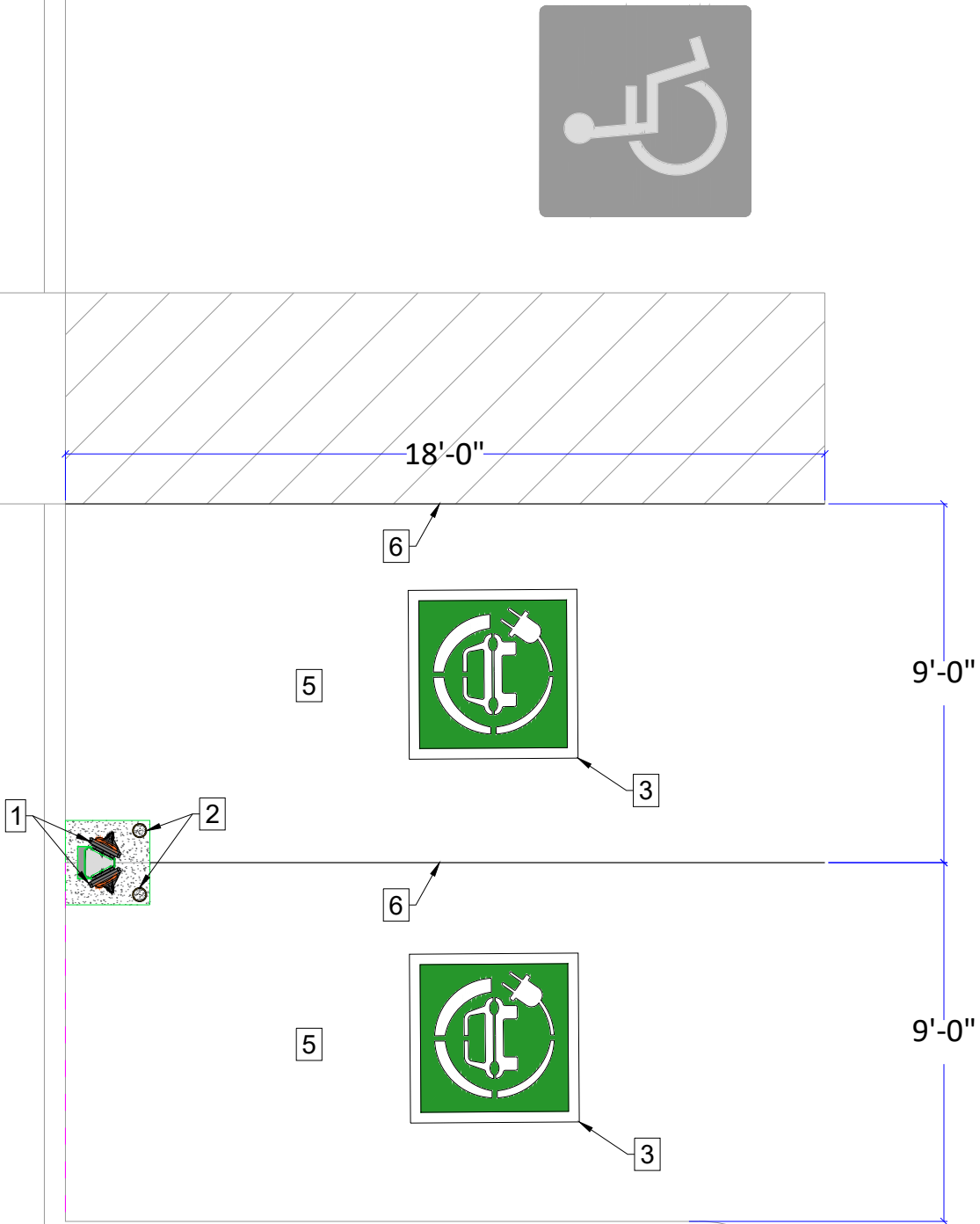
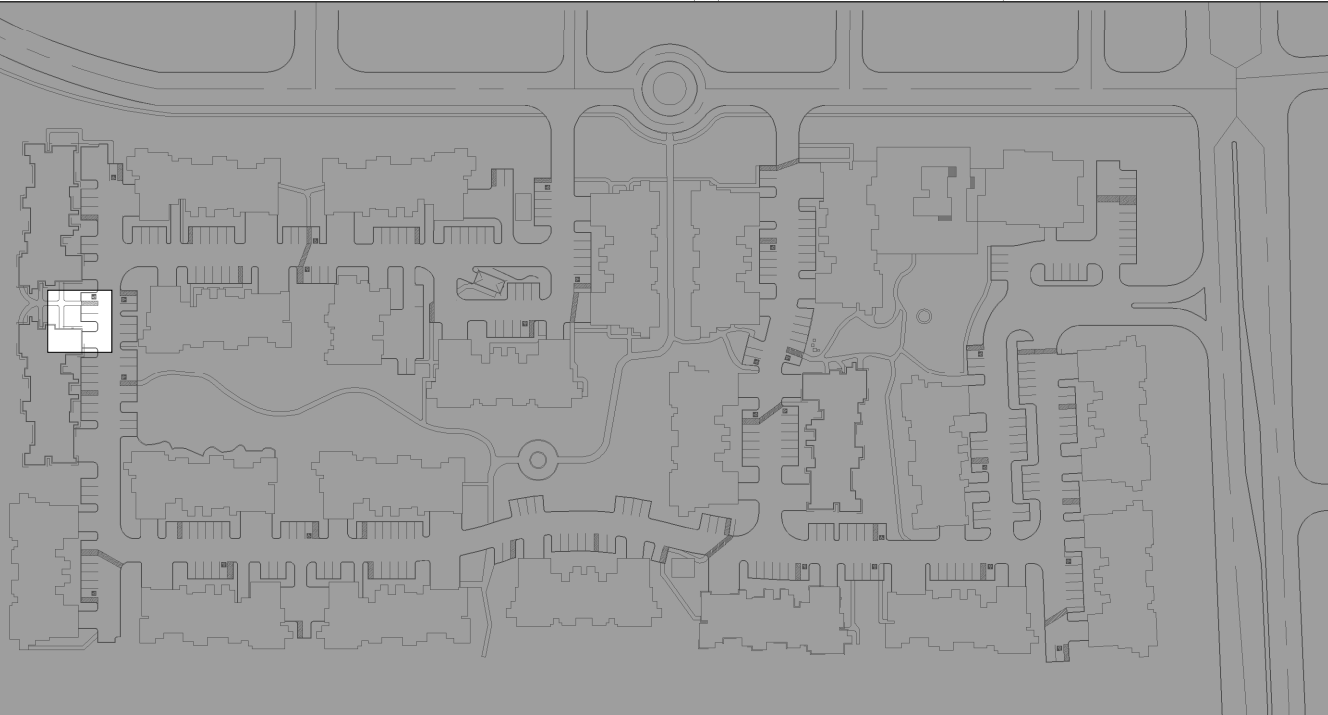
SCALE: 1/4" = 1'-0"

Michael Nelson

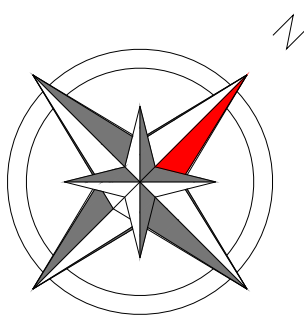
MICHAEL NELSON
MASTER ELECTRICIAN (TX): LICENSE #: 261090

KEYPLAN

SCALE: NTS



BLDG. 17



- KEY NOTES: [#]**
- (N) CHARGEPOINT CPF50, DUAL- PORT, PEDESTAL MOUNT, EV CHARGER.
 - (N) STANDARD BOLLARDS. SEE SHEET [E-10] FOR DETAILS.
 - (N) TYP. GARDEN COMMUNITIES EV CHARGING STENCIL
 - NOT USED.
 - (N) 9'-0" STANDARD EV CHARGING STALLS.
 - (N) PAINTED PARKING DIVIDER LINES.
 - (E) BLDG. 6 HOUSE PANEL. REFER TO SINGLE LINE DIAGRAM (SLD) SHEET [E-07] FOR ADDITIONAL INFORMATION.
 - (N) APPROXIMATE CONDUIT ROUTE.
 - (E) BUILDING.
 - (E) SIDEWALK.
 - (E) LANDSCAPE.



EV
LAYOUT
2

PERMIT APPLICATION
OLYMPUS TOWN CENTER
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EVCS DESIGN
DOCUMENTS

TEMPLATE: 5.14.2025

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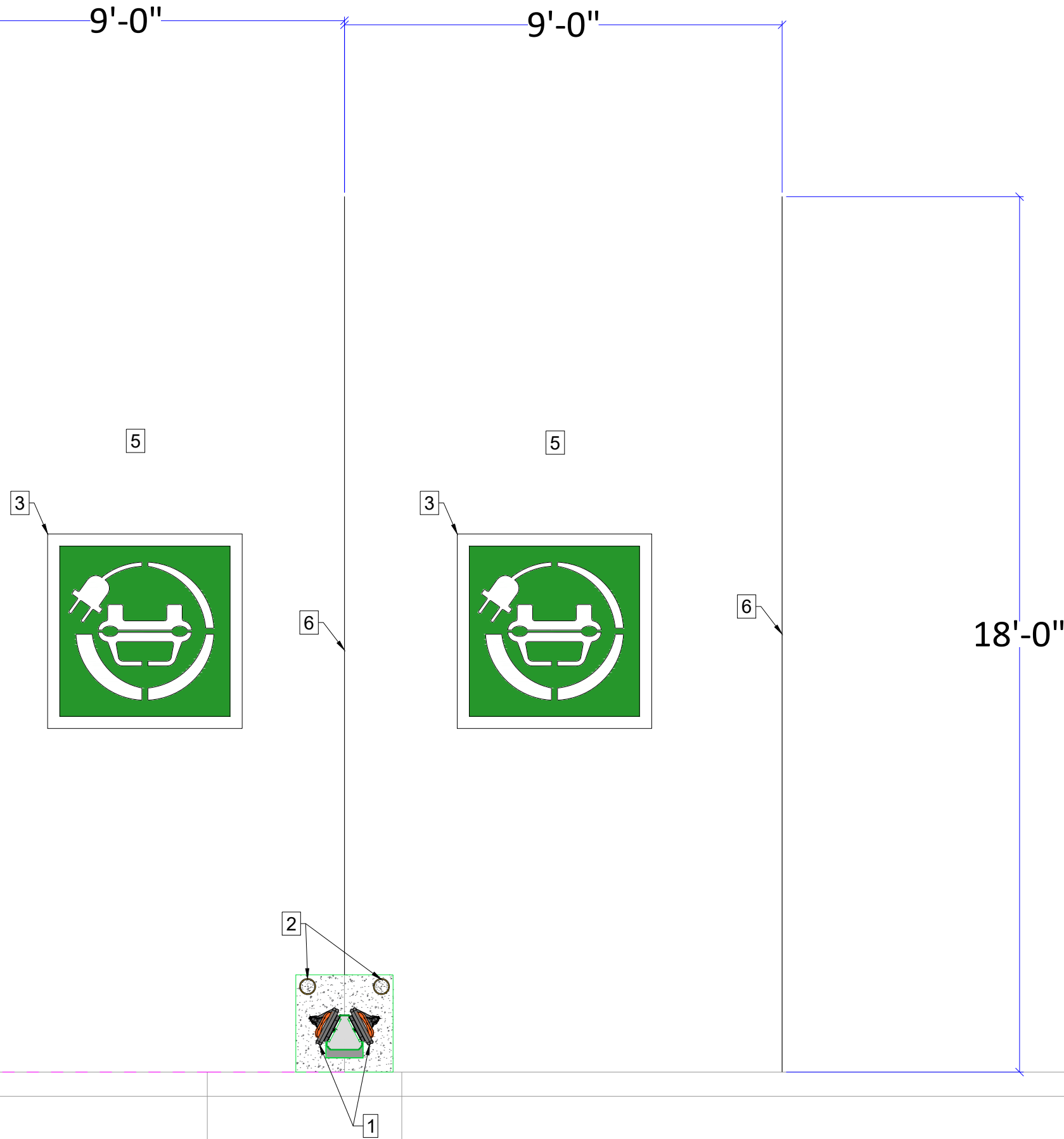
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DATE: 9.2.2025

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E-04



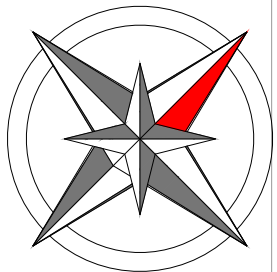
KEYPLAN
SCALE: NTS



Michael Nelson
MICHAEL NELSON
MASTER ELECTRICIAN (TX): LICENSE #: 261090

BLDG. 6

EV LAYOUT BLDG. 6
SCALE: 1/4" = 1'-0"



KEY NOTES: [#]

1. (N) CHARGEPOINT CPF50, DUAL- PORT, PEDESTAL MOUNT, EV CHARGER.
2. (N) STANDARD BOLLARDS. SEE SHEET [E-10] FOR DETAILS.
3. (N) TYP. GARDEN COMMUNITIESEV CHARGING STENCIL
4. NOT USED.
5. (N) PAINTED PARKING DIVIDER LINES.
6. (N) 9'-0" STANDARD EV CHARGING STALL.
7. (E) BLDG. 7 HOUSE PANEL. REFER TO SINGLE LINE DIAGRAM (SLD) SHEET [E-08] FOR ADDITIONAL INFORMATION.
8. (N) APPROXIMATE CONDUIT ROUTE.
9. (E) BUILDING.
10. (E) SIDEWALK.
11. (E) LANDSCAPE.



EV LAYOUT
3

PERMIT APPLICATION

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CHECKED BY:

DATE: 9.2.2025

REVISION:

SHEET:

E-05

EV LAYOUT BLDG. 7

SCALE: 1/4" = 1'-0"

COMIND008098_34922_OLYMPUS_OLYMPUS TOWN CENTER_EV PERMIT.DWG



BLDG. 7

9

Michael Nelson

MICHAEL NELSON
MASTER ELECTRICIAN (TX): LICENSE #: 261090

KEYPLAN

SCALE: NTS



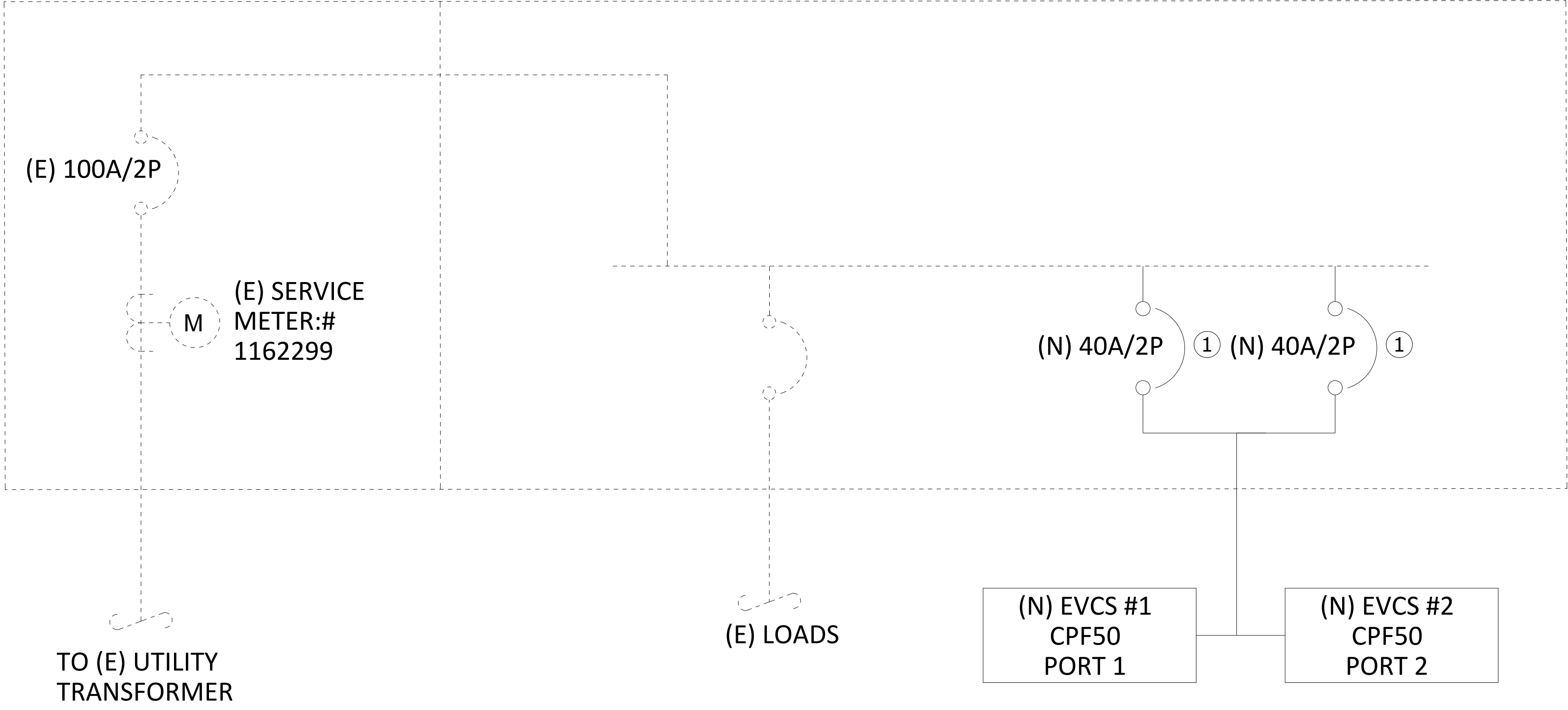
LEGEND

NEW	
EXISTING	

PLAN NOTES:

1. ALL OCPD SHALL BE LOCKED OUT IN AN OPEN POSITION.

(E) BLDG. 17 HOUSE PANEL : 125A, 120/240V, 1ϕ, 3W, 10kAIC NEMA 3R



- 1 NUMBER OF CHARGING UNITS:
NUMBER OF PORTS:
ELECTRICAL RATING PER CHARGING PORT:
MAXIMUM CAPACITY PER PORT:
LOAD SHARING:

2
2
LEVEL 2: 32A, 240V
LEVEL 2: 16A, MAX
YES, 50%

- 2 ELECTRICAL PANEL RATING: (E) BLDG. 17 HOUSE PANEL: 125A, 120/240V, 1ϕ, 3W, 10kAIC NEMA 3R ENCLOSURE

(E) BLDG. 17 HOUSE PANEL

MOUNTING	WALL	NEUTRAL (%)	100	VOLTS	120/240	MAIN	100A						
NEMA RATING	3R			PHASE	1	BUS	125A						
FEED THRU	NO			WIRE	3	A.I.C.	10kAIC						
LOCATION	A	B	L T G	C O N V	1 2 5	R E C P	M I S C	1 2 5	C O N V	L T G	A	B	LOCATION
SPARE													SPARE
--													--
(E) LOAD													(E) LOAD
--													--
(N) EVCS #1	3840				1			40/2	9				SPARE
--		3840			--			--	11				--
(N) EVCS #2	3840				1			40/2	13				SPARE
--		3840			--			--	15				--
A= 7680B= 7680													
TOTAL VA=	15360				AMPS=	64		TOTAL VA WLCL=	19200			AMPS WLCL=	80
HIGH PHASE VA=	7680				AMPS=	64		HIGH PHASE VA WLCL=	9600			AMPS WLCL=	80

Starting fault current (I_{L-L}) 10,000 AIC
Line Voltage (E_{L-L}) 240 V

Length (L) 35 ft
Conductor constant (C) 1,557 8 AWG
number of conductor per phase (n) 1

f factor 1.873
M factor 0.348

Fault Current at (N) EVCS #1 3,480 AIC

$$f = \frac{2 \times L \times I_{L-L}}{C \times n \times E_{L-L}}$$

$$M = \frac{1}{1 + f}$$

$$I_{SCA}^{at\ fault} = I_{SCA}^{at\ beginning\ of\ circuit} \times M$$

Per the National Electrical Code (NEC), Article 220. 87 (determining Existing Loads), the **maximum demand** (kW) at 125 percent plus the new load can be added to determine the adequacy of the existing electrical distribution system to support the projects proposed electrical loads.

LOAD SUMMARY BLDG. 17 HOUSE PANEL			
Existing (E)BLDG. 17 HOUSE PANEL maximum demand (12 months of historical utility meter data) (kW x 125%)	1.932		kW
	=	2.415	kW
New Connected Load: (2 x EV1 Station @15.36kW) (kW x 125%)	15.36		kW
	=	19.20	kW
TOTAL POWER	=	21.615	kW
@ 240 V, 1-Phase	=	90.06	AMPS

The existing 125 Amps, 120/240 volt, 1-phase, 3-wire electrical distribution sytem **has adequate capacity to accept the proposed new EVCS loads.**

CONDUIT & WIRE SCHEDULE

IDENTIFIER	FROM	TO	VOLTAGE (VAC - PHASE)	NET CURRENT (AMPS)	UPSTREAM OCPD (AMPS)	LENGTH (FEET)	CONDUIT SIZE/TYPE	WIRE CONTENTS	VOLTAGE DROP %
A	(E) BLDG. 17 HOUSE PANEL	(N) EVCS #1-2	240V - 1Ø	32	40	35'	1" PVC SCH 40	(2) #8 AWG THHW Cu -PH (1) #10 AWG EGC Cu - GND	0.71%

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MASTER ELECTRICIAN (TX): LICENSE #: 261090

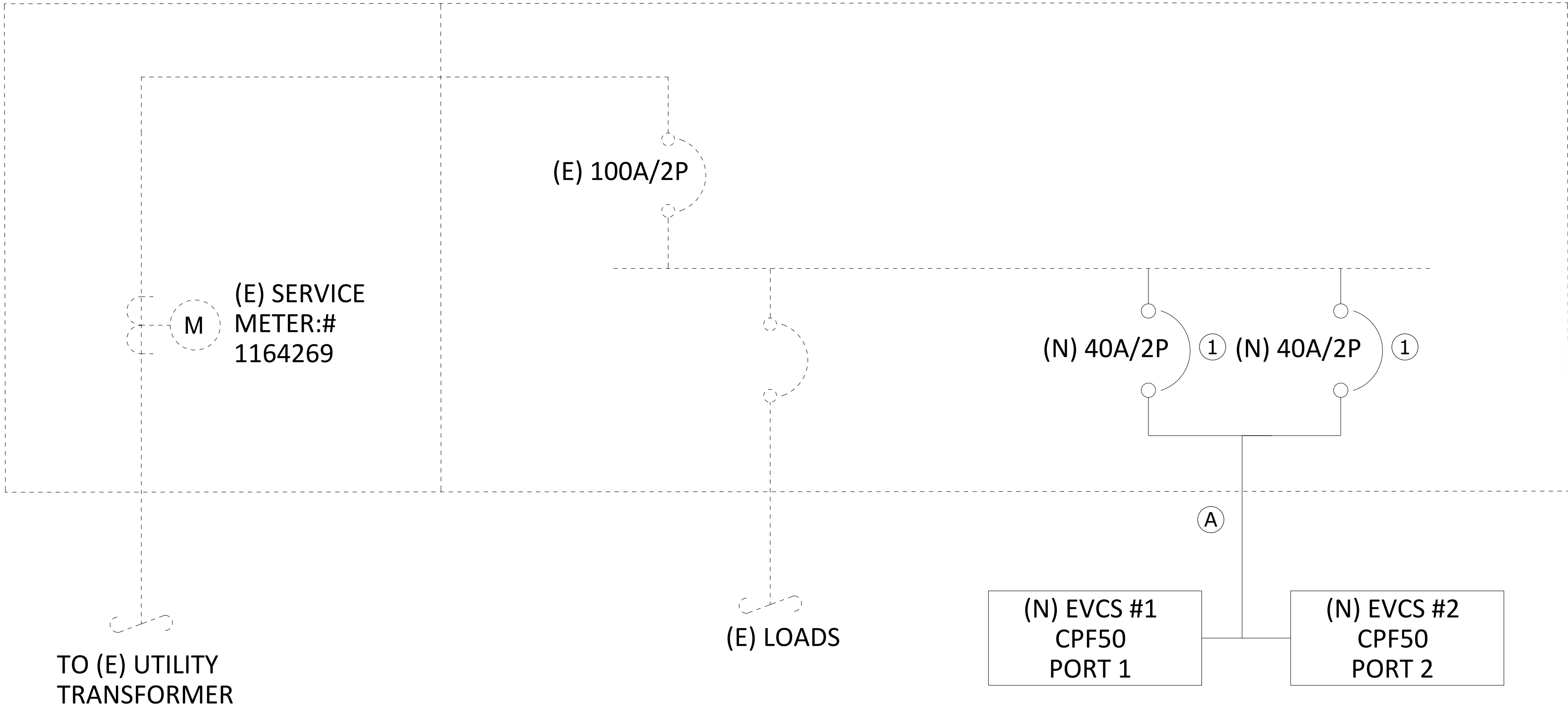
LEGEND

NEW	
EXISTING	

PLAN NOTES:

1. ALL OCPD SHALL BE LOCKED OUT IN AN OPEN POSITION.

(E) BLDG. 6 HOUSE PANEL: 125A, 120/240V, 1ϕ, 3W, 10kAIC NEMA 3R



- 1 NUMBER OF CHARGING UNITS: 2
NUMBER OF PORTS: 2
ELECTRICAL RATING PER CHARGING PORT: LEVEL 2: 32A, 240V
MAXIMUM CAPACITY PER PORT: LEVEL 2: 16A, MAX
LOAD SHARING: YES, 50%

- 2 ELECTRICAL PANEL RATING:

(E) BLDG. 6 HOUSE PANEL: 125A, 120/240V, 1ϕ, 3W, 10kAIC NEMA 3R ENCLOSURE

(E) BLDG. 6 HOUSE PANEL

MOUNTING	WALL	NEUTRAL (%)	100	VOLTS	120/240	MAIN	100A
NEMA RATING	3R			PHASE	1	BUS	125A
FEED THRU	NO			WIRE	3	A.I.C.	10kAIC

LOCATION	A	B	L T G	C O N V	1 2 5	R E C P	M I S C	B K R	C I R C	C I R C	B K R	M I S C	R E C P	1 2 5	C O N V	L T G	A	B	LOCATION
(E) LOAD									1	2									(E) LOAD
(E) LOAD									3	4									SPARE
--									5	6									--
(N) EVCS #1		3840			1			40/2	7	8									SPARE
--	3840				--			--	9	10									--
(N) EVCS #2		3840			1			40/2	11	12									SPARE
--	3840				--			--	13	14									--
SPARE									15	16									SPARE
--									17	18									--
SPARE									19	20									SPARE

A= 7680				B= 7680			
TOTAL VA=	15360	AMPS=	64	TOTAL VA W/LCL=	19200	AMPS W/LCL=	80
HIGH PHASE VA=	7680	AMPS=	64	HIGH PHASE VA W/LCL=	9600	AMPS W/LCL=	80

Starting fault current (I_{L-L}) 10,000 AIC
Line Voltage (E_{L-L}) 240 V

Length (L) 25 ft
Conductor constant (C) 1,557 8 AWG
number of conductor per phase (n) 1

f factor 1.338
M factor 0.428

Fault Current at (N) EVCS #1 4,277 AIC

$$f = \frac{2 \times L \times I_{L-L}}{C \times n \times E_{L-L}}$$

$$M = \frac{1}{1 + f}$$

$$I_{SCA}^{at\ fault} = I_{SCA}^{at\ beginning\ of\ circuit} \times M$$

Per the National Electrical Code (NEC), Article 220. 87 (determining Existing Loads), the **maximum demand** (kW) at 125 percent plus the new load can be added to determine the adequacy of the existing electrical distribution system to support the projects proposed electrical loads.

LOAD SUMMARY BLDG. 6 HOUSE PANEL		
Existing (E)BLDG.6 HOUSE PANEL maximum demand (12 months of historical utility meter data) (kW x 125%)	1.42	kW
	=	1.775 kW
New Connected Load: (2 x EV1 Station @15.36kW) (kW x 125%)	15.36	kW
	=	19.20 kW
TOTAL POWER	=	20.975 kW
@ 240 V, 1-Phase	=	87.40 AMPS

The existing 125 Amps, 120/240 volt, 1-phase, 3-wire electrical distribution sytem **has adequate capacity to accept the proposed new EVCS loads.**

CONDUIT & WIRE SCHEDULE

IDENTIFIER	FROM	TO	VOLTAGE (VAC - PHASE)	NET CURRENT (AMPS)	UPSTREAM OCPD (AMPS)	LENGTH (FEET)	CONDUIT SIZE/TYPE	WIRE CONTENTS	VOLTAGE DROP %
A	(E) BLDG. 6 HOUSE PANEL	(N) EVCS #1-2	240V - 1Ø	32	40	25'	1" PVC SCH 40	(2) #8 AWG THHW Cu -PH (1) #10 AWG EGC Cu - GND	0.51%

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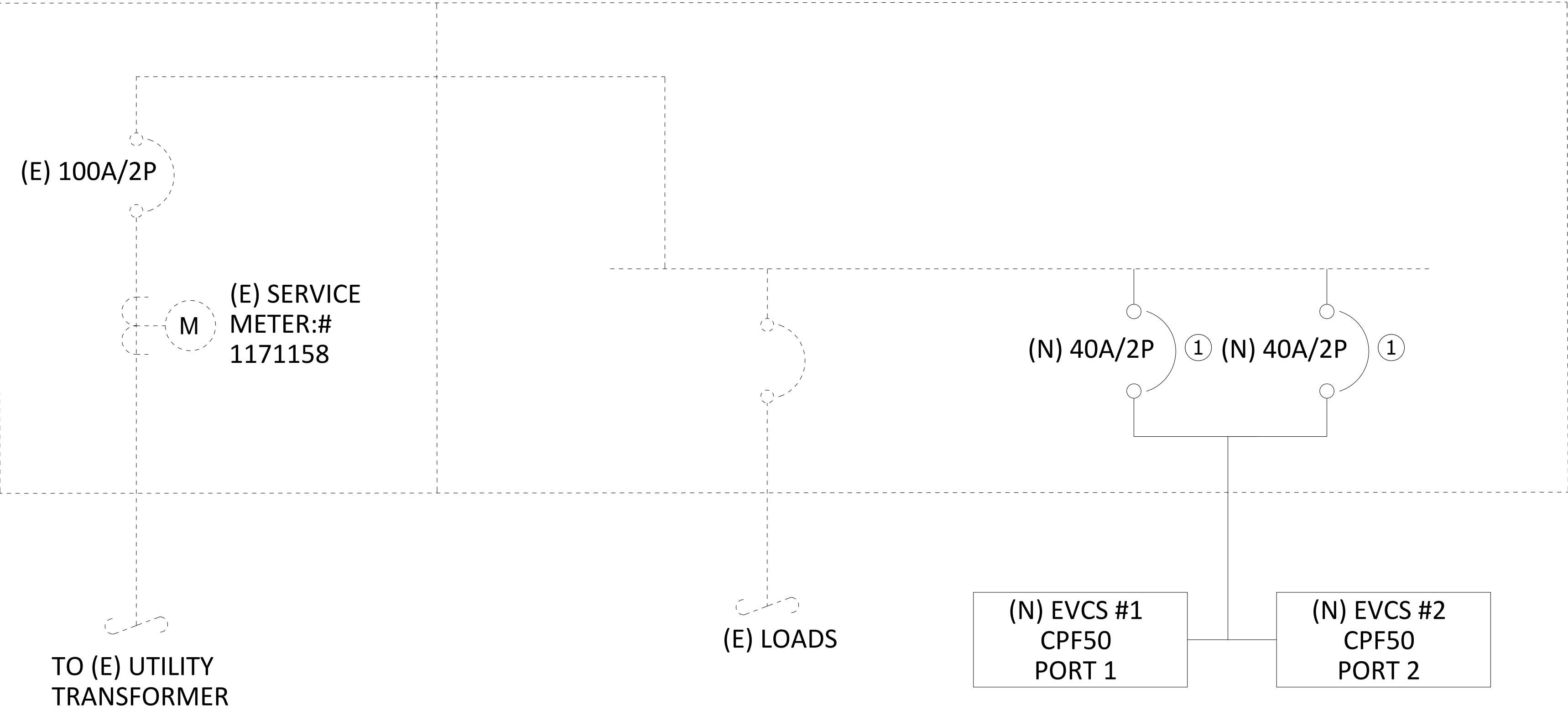
LEGEND

NEW	
EXISTING	

PLAN NOTES:

1. ALL OCPD SHALL BE LOCKED OUT IN AN OPEN POSITION.

(E) BLDG. 7 HOUSE PANEL: 125A, 120/240V, 1ϕ, 3W, 10kAIC NEMA 3R



- 1 NUMBER OF CHARGING UNITS:
NUMBER OF PORTS:
ELECTRICAL RATING PER CHARGING PORT:
MAXIMUM CAPACITY PER PORT:
LOAD SHARING:

2
2
LEVEL 2: 32A, 240V
LEVEL 2: 16A, MAX
YES, 50%

- 2 ELECTRICAL PANEL RATING:

(E) BLDG. 7 HOUSE PANEL: 125A, 120/240V, 1ϕ, 3W, 10kAIC NEMA 3R ENCLOSURE

(E) BLDG. 7 HOUSE PANEL

MOUNTING	WALL		NEUTRAL (%)				100		VOLTS		120/240		MAIN		100A							
NEMA RATING	3R								PHASE		1		BUS		125A							
FEED THRU	NO								WIRE		3		A.I.C.		10kAIC							
LOCATION		A	B	L T G	C O N V	1 2 5	R E C P	M I S C	B K R	C I R C		C I R C	B K R	M I S C	R E C P	1 2 5	C O N V	L T G	A	B	LOCATION	
SPARE										1	●	2										SPARE
--										3	●	4										--
(E) LOAD										5	●	6										(E) LOAD
--										7	●	8										--
(N) EVCS #1		3840				1			40/2	9	●	10										(E) LOAD
--			3840			--			--	11	●	12										SPARE
(N) EVCS #2		3840				1			40/2	13	●	14										--
--			3840			--			--	15	●	16										SPARE
		A= 7680										B= 7680										
TOTAL VA=		15360		AMPS=		64		TOTAL VA WLCL=		19200		AMPS WLCL=		80								
HIGH PHASE VA=		7680		AMPS=		64		HIGH PHASE VA WLCL=		9600		AMPS WLCL=		80								

Starting fault current (I _{L-L})	10,000 AIC	
Line Voltage (E _{L-L})	240 V	
Length (L)	60 ft	
Conductor constant (C)	1,557 8 AWG	✓
number of conductor per phase (n)	1	
f factor	3.211	$f = \frac{2 \times L \times I_{L-L}}{C \times n \times E_{L-L}}$
M factor	0.237	$M = \frac{1}{1 + f}$
Fault Current at (N) EVCS #1	2,375 AIC	$I_{SCA} = I_{SCA} \times M$ at fault at beginning of circuit.

Per the National Electrical Code (NEC), Article 220. 87 (determining Existing Loads), the **maximum demand** (kW) at 125 percent plus the new load can be added to determine the adequacy of the existing electrical distribution system to support the projects proposed electrical loads.

LOAD SUMMARY BLDG. 7 HOUSE PANEL		
Existing (E)BLDG. 7 HOUSE PANEL maximum demand (12 months of historical utility meter data) (kW x 125%)	2.128	kW
	=	2.66 kW
New Connected Load: (2 x EV1 Station @15.36kW) (kW x 125%)	15.36	kW
	=	19.20 kW
TOTAL POWER	=	21.860 kW
@ 240 V, 1-Phase	=	91.08 AMPS

The existing 125 Amps, 120/240 volt, 1-phase, 3-wire electrical distribution sytem **has adequate capacity to accept the proposed new EVCS loads.**

CONDUIT & WIRE SCHEDULE

IDENTIFIER	FROM	TO	VOLTAGE (VAC - PHASE)	NET CURRENT (AMPS)	UPSTREAM OCPD (AMPS)	LENGTH (FEET)	CONDUIT SIZE/TYPE	WIRE CONTENTS	VOLTAGE DROP %
A	(E) BLDG. 7 HOUSE PANEL	(N) EVCS #1-2	240V - 1Ø	32	40	60'	1" PVC SCH 40	(2) #8 AWG THHW Cu -PH (1) #10 AWG EGC Cu - GND	1.21%

Michael Nelson
MICHAEL NELSON
MASTER ELECTRICIAN (TX): LICENSE #: 261090



Efficiency Powered by Intelligence

SINGLE
LINE
DIAGRAM
3

PERMIT APPLICATION
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EVCS DESIGN
DOCUMENTS

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DATE: 9.2.2025
REVISION:
SHEET:
E-08



ChargePoint® CPF50 Level 2 Charging Stations for Multifamily

Specifications and Ordering Information



Ordering Information

The order codes below represent specific product configurations. Other product options are available. Please contact ChargePoint Sales for information and order codes.

Hardware

Description	Order Code
USA Models	
Single Port, J1772, Wall, 5.4 m (18 ft) Cable	CPF50-L18-GW-USA
Single Port, J1772, Pedestal, 5.4 m (18 ft) Cable	CPF50-L18-PEDMNT-GW-USA
Single Port, J1772, Pedestal 5.4 m (18 ft) Cable with 6 ft Cable Management Kit	CPF50-L18-PEDMNT-CMK6-GW-USA
Dual Port, J1772, Pedestal, 5.4 m (18 ft) Cable	CPF50-L18-PEDMNT-DUAL-GW-USA
Dual Port, J1772, Pedestal, 5.4 m (18 ft) Cable with 6 ft Cable Management Kit	CPF50-L18-PEDMNT-CMK6-DUAL-GW-USA
Single Port, J1772, Wall, 5.4 m (18 ft) Cable with 6 ft Cable Management Kit	CPF50-L18-WALLMNT-CMK6-GW-USA
Single Port, J1772, Wall, 7.0 m (23 ft) Cable	CPF50-L23-GW-USA
Single Port, J1772, Pedestal, 7.0 m (23 ft) Cable	CPF50-L23-PEDMNT-GW-USA
Single Port, J1772, Pedestal, 7.0 m (23 ft) Cable with 8 ft Cable Management Kit	CPF50-L23-PEDMNT-CMK8-GW-USA
Dual Port, J1772, Pedestal, 7.0 m (23 ft) Cable	CPF50-L23-PEDMNT-DUAL-GW-USA
Dual Port, J1772, Pedestal, 7.0 m (23 ft) Cable with 8 ft Cable Management Kit	CPF50-L23-PEDMNT-CMK8-DUAL-GW-USA
Single Port, J1772, Wall, 7.0 m (23 ft) Cable with 8 ft Cable Management Kit	CPF50-L23-WALLMNT-CMK8-GW-USA
Single Port, NACS, Wall, 7.0 m (23 ft) Cable	CPF50-L23-GW-NACS-USA
Single Port, NACS, Pedestal, 7.0 m (23 ft) Cable	CPF50-L23-PEDMNT-GW-NACS-USA
Dual Port, J1772, Pedestal, 7.0 m (23 ft) Cable	CPF50-L23-PEDMNT-Dual-GW-NACS-USA

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	Dual Port, J1772, Pedestal, 7.0 m (23 ft) Cable with 8 ft Cable Management Kit	CPF50-L23-PEDMNT-CMK8-Dual-GW-NACS-USA
Canada Models		
Single Port, Pedestal 5.4 m (18 ft) Cable	CPF50-L18-PEDMNT-GW-CAN	
Single Port, Pedestal 5.4 m (18 ft) Cable with 6 ft Cable Management Kit	CPF50-L18-PEDMNT-CMK6-GW-CAN	
Dual Port, Pedestal, 5.4 m (18 ft) Cable	CPF50-L18-PEDMNT-DUAL-GW-CAN	
Dual Port, Pedestal, 5.4 m (18 ft) Cable with 6 ft Cable Management Kit	CPF50-L18-PEDMNT-CMK6-DUAL-GW-CAN	
Single Port, Wall, 5.4 m (18 ft) Cable with 6 ft Cable Management Kit	CPF50-L18-WALLMNT-CMK6-GW-CAN	
Single Port, Pedestal, 7.0 m (23 ft) Cable	CPF50-L23-PEDMNT-GW-CAN	
Single Port, Pedestal, 7.0 m (23 ft) Cable with 8 ft Cable Management Kit	CPF50-L23-PEDMNT-CMK8-GW-CAN	
Dual Port, Pedestal, 7.0 m (23 ft) Cable	CPF50-L23-PEDMNT-DUAL-GW-CAN	
Dual Port, Pedestal, 7.0 m (23 ft) Cable with 8 ft Cable Management Kit	CPF50-L23-PEDMNT-CMK8-DUAL-GW-CAN	
Single Port, Wall, 7.0 m (23 ft) Cable with 8 ft Cable Management Kit	CPF50-L23-WALLMNT-CMK8-GW-CAN	
Single Port, NACS, Wall, 7.0 m (23 ft) Cable	CPF50-L23-GW-NACS-CAN	
Single Port, NACS, Pedestal, 7.0 m (23 ft) Cable	CPF50-L23-PEDMNT-GW-NACS-CAN	
Dual Port, J1772, Pedestal, 7.0 m (23 ft) Cable	CPF50-L23-PEDMNT-Dual-GW-NACS-CAN	
Dual Port, J1772, Pedestal, 7.0 m (23 ft) Cable with 8 ft Cable Management Kit	CPF50-L23-PEDMNT-CMK8-Dual-GW-NACS-CAN	
5.4 m (18 ft), 50A, J1772, Charging Cable	CPFCABLE-T1-50A-L18-CMK-F	

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Replacement Cable	5.4 m (18 ft), 50A, J1772, Charging Cable, CMK version	CPFCABLE-T1-50A-L18-CMK-F
	7.0 m (23 ft), 50A, J1772, Charging Cable	CPFCABLE-T1-50A-L23-F
	7.0 m (23 ft), 50 A, J1772, Charging Cable, CMK version	CPFCABLE-T1-50A-L23-CMK-F
NACS Conversion Kits	NACS Conversion Kit for CPF50. 7.0 m (23 ft), 50 A, CMK version. Includes holster insert for NACS	CPFCABLE-50A-L23-CMK-NACS-KIT
	NACS Conversion Kit for CPF50. 5.5 m (18 ft), 50 A, CMK version. Includes holster insert for NACS	CPFCABLE-50A-L18-CMK-NACS-KIT

Required Companion Products

Description	Order Code
ChargePoint Cloud Plan	Please contact ChargePoint sales
Station Initial Activation*	CPMHFS-ACTIVE

*Includes a 3 year parts exchange warranty ("Parts Warranty"). Additionally, for as long as the resident subscribes to Multi-Family Home Service Plans, ChargePoint will provide on-site labor to maintain the stations ("Maintenance Service"). The Maintenance service does not provide coverage for abuse, vandalism, damage or other problems caused by accidents or negligence.

Recommended Companion Products for Multifamily Applications

Description	Order Code
ChargePoint Installation and Site Validation	CPF-INSTALLVALID or CPF-SITEVALID
ChargePoint Assure	CPF-ASSURE-r7

*Substitute for desired years of service (1, 2, 3, 4 or 5)

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General Specifications

Electrical Input

CPF50 supports flexible current settings up to 50 A to fit your needs.

Power Select allows CPF50 stations to be installed and software-configured for current input/output lower than the maximum 50 A rating depending on your electrical and charging requirements. CPF50 Power Select current input/output options include 16 A, 24 A, 32 A, 40 A, and 48 A.

Power Share allows two stations to share power from a single circuit dynamically across the stations, adjusting each station's power output depending on whether one or both are actively charging. Standard wiring uses an independent circuit for each station. Power Share can be used in combination with Power Select.

Electrical Input	One Station (AC Voltage 208 / 240 V AC)		Two Stations (AC Voltage 208 / 240 V AC)		Required Service Panel Breaker
	Input Current	Input Power Connection	Input Current	Input Power Connection	
Maximum 50A (Standard)	50 A	One 70 A branch circuit	70 A dual pole (non-GFCI)	50 A x 2	Two independent 70 A branch circuits
Maximum 50A (Power Share)	N/A	N/A	N/A	50A	One 70 A branch circuit split to two
Power Select 16 A – 48 A (Standard)	16 A – 48 A	One branch circuit rated 125% of input current (20 A – 60 A)	Dual pole (non-GFCI) rated 125% of input current (20 A – 60 A)	16 A – 48 A x 2	Dual pole (non-GFCI) rated 125% of input current x 2
Power Select 16 A – 48 A (Power Share)	N/A	N/A	N/A	16A – 48 A	One branch circuit rated 125% of input current (20A to 60 A) split to two
Service Panel/Breaker GFCI	Do not provide external GFCI as it may conflict with internal GFCI (CCID)				

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Wiring – Standard	3-wire (L1, L2, Earth) No neutral	3-wire (L1, L2, Earth) x 2 No neutral
Wiring – Power Share	N/A	3-wire (L1, L2, Earth) split to 3-wire (L1, L2, Earth) x 2
Station Power	2.5 W typical (standby), 4 W maximum (operation)	5 W typical (standby), 8 W maximum (operation)
Line to Ground Voltage	120V +/- 10%	

Electrical Output

Electrical Output	Single Port (AC Voltage 208 / 240 V AC)	Dual Port (AC Voltage 208 / 240 V AC)
Maximum 50A (Standard)	12 kW (240 V AC @ 50 A)	12 kW (240 V AC @ 50 A)
Maximum 50A (Power Share)	N/A	12 kW (240 V AC @ 50A) x 1 or 6 kW (240 V AC @ 25A) x 2
Power Select 16A – 48A (Standard)	3.8 kW – 11.5 kW (240 V AC @ 16 A – 48 A) x 2	3.8 kW – 11.5 kW (240 V AC @ 16 A – 48 A) x 2
Power Select 16A – 48A (Power Share)	N/A	3.8 kW – 11.5 kW (240 V AC @ 16 A – 48 A) x 1 or 1.9 kW – 5.8 kW (240 V AC @ 8A – 24A) x 2

Functional Interfaces

Connector Types	SAE J1772™, NACS
Cable Length	5.4 m (18 ft), 7.0 m (23 ft)
Overhead Cable Management System	Optional
RFID	ISO 15693 and ISO 14443 Digital RFID card in Apple or Google Wallet

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ISO 15118 Protocol	Supported by the hardware
Network Communication Protocol	OCPP 1.6

Indicators

WIR LED	Yes
Fault Indicator per UL	Yes
Status LED	Yes

Safety and Connectivity Features

Ground Fault Detection	20 mA CCID with auto retry
Open Safety Ground Detection	Continuously monitors presence of safety (green wire) ground connection
Plug-Out Detection	Power terminated per SAE J1772™ specifications
Power Measurement Accuracy	+/- 2% from 2% to full scale (50A)
Power Report/Store Interval	15 minutes, aligned to hour
Local Area Network	2.4/5 GHz Wi-Fi (802.11 a/b/g/n)
Wide Area Network	4G LTE or provided by the ChargePoint Gateway CPGWx if installed

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Safety and Operational Ratings

Station Enclosure Rating	Type 3R per UL 50E
Safety and Compliance	UL and C-UL listed; complies with UL2594, UL2231-1, UL 2231-2, NEC Article 625 compliant. For Canada CSA C22.2, No. 280, 281.1, 281.2, CED UL and C-UL listed per UL916 Energy Management Equipment
Station Surge Protection	6 kV @ 3000 A. In geographic areas subject to frequent thunder storms, supplemental surge protection at the service panel is recommended
Short Circuit Current Rating	5 kA
BMC Compliance	FCC Part 15 Class B
Storage Temperature	-40 °C to +60 °C (-40 °F to 140 °F)
Operating Temperature	-40 °C to +50 °C (-40 °F to 122 °F)
Operating Humidity	Up to 95% @+50 °C (122 °F) non-condensing
Non-Operating Humidity	Up to 95% @+50 °C (122 °F) non-condensing

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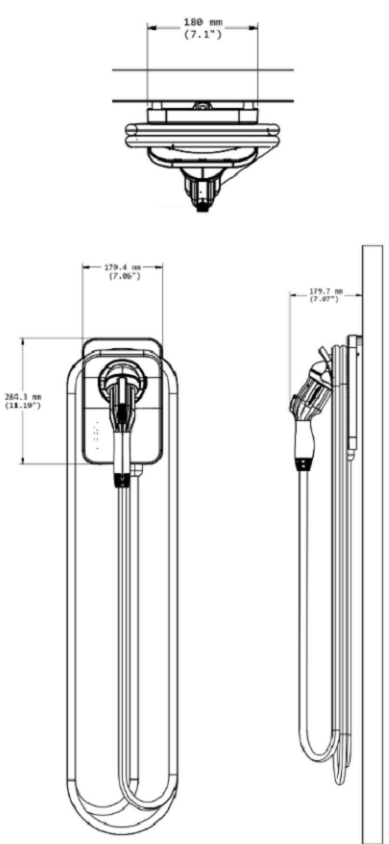
8

Architectural Drawings

Note: Images are not to scale. Measurements appear in metric units (mm), followed by imperial equivalents (inches).

Single Wall Mount

CPF50-L23-GW, CPF50-L18-GW 1)



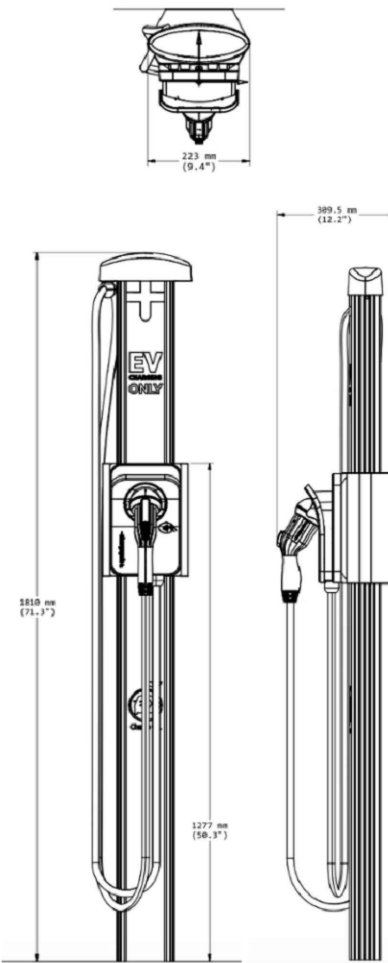
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Single Wall Mount with Cable Management Kit

CPF50-L18-WALLMNT-CMK6-GW (6 ft)



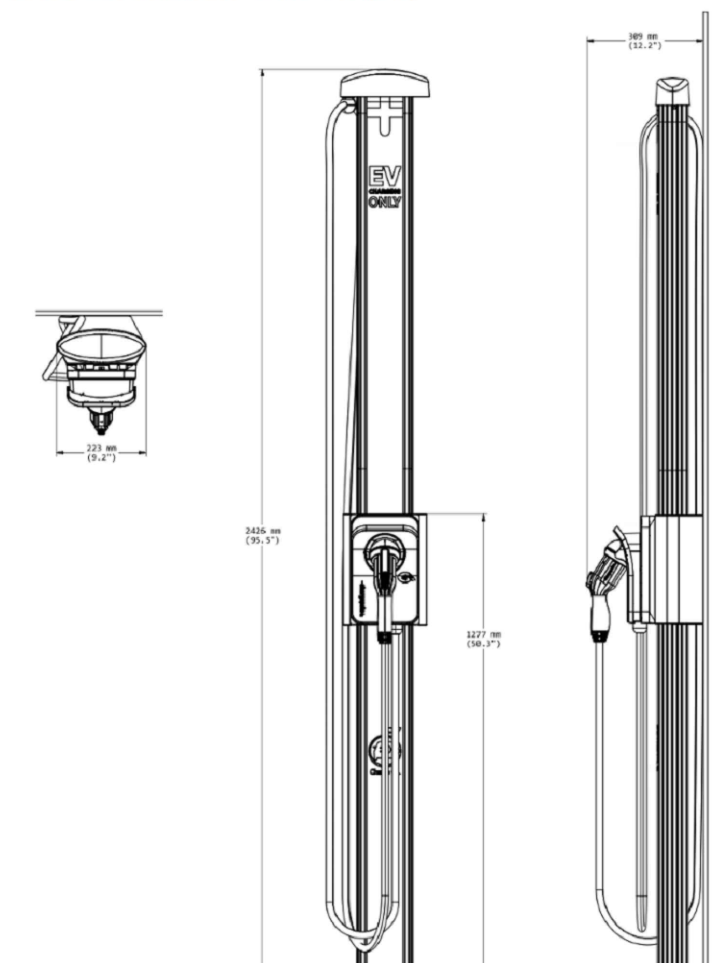
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Single Wall Mount with Cable Management Kit

CPF50-L23-WALLMNT-CMK8-GW (8 ft)



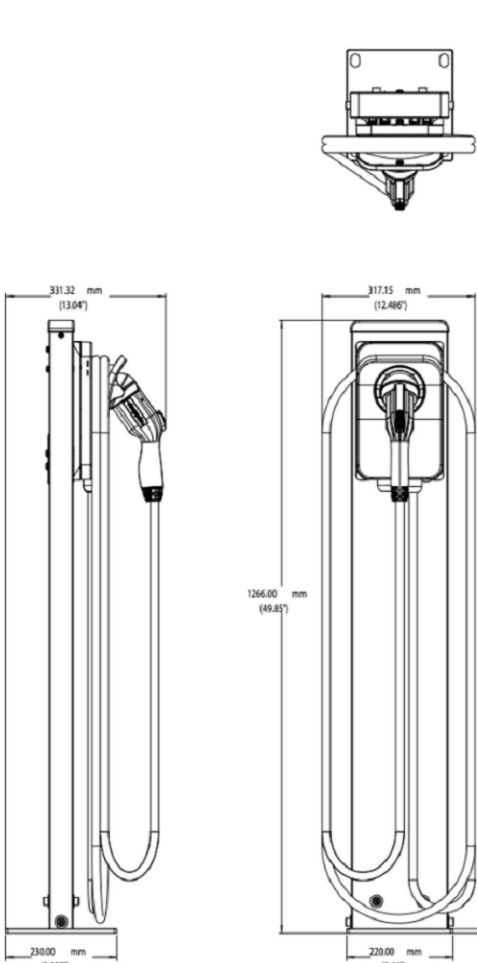
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Single Sided or Dual Back-to-back Pedestal Mount

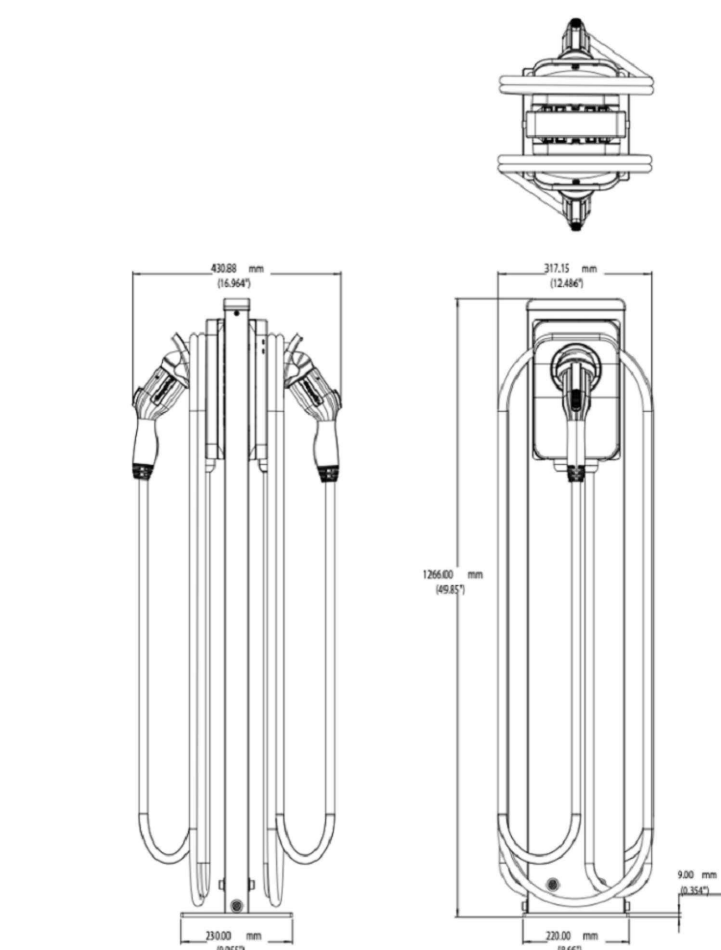
CPF50-L23-PEDMNT-GW, CPF50-L18-PEDMNT-GW



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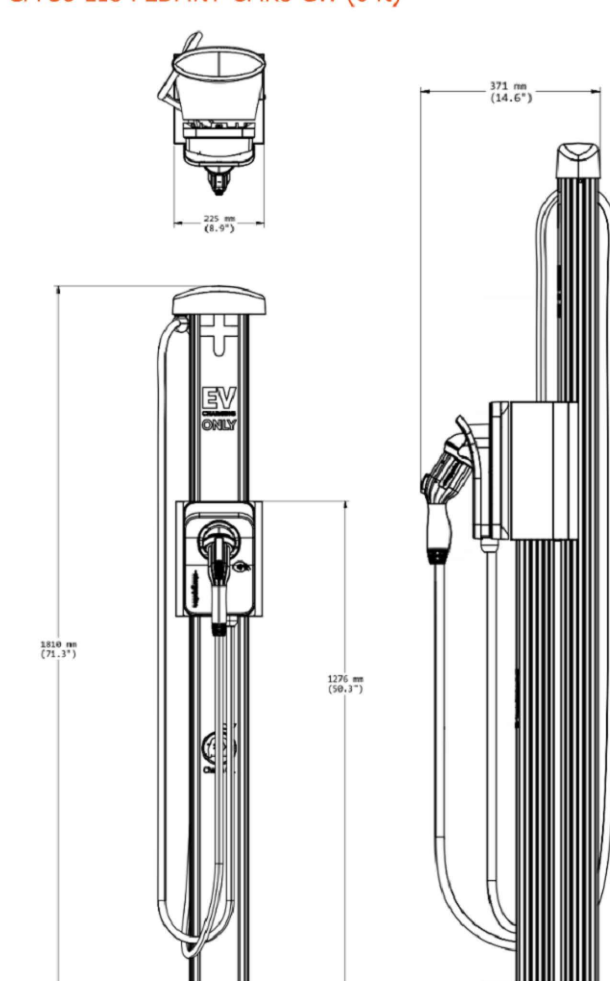
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Single Pedestal Mount with Cable Management Kit

CPF50-L18-PEDMNT-CMK6-GW (6 ft)



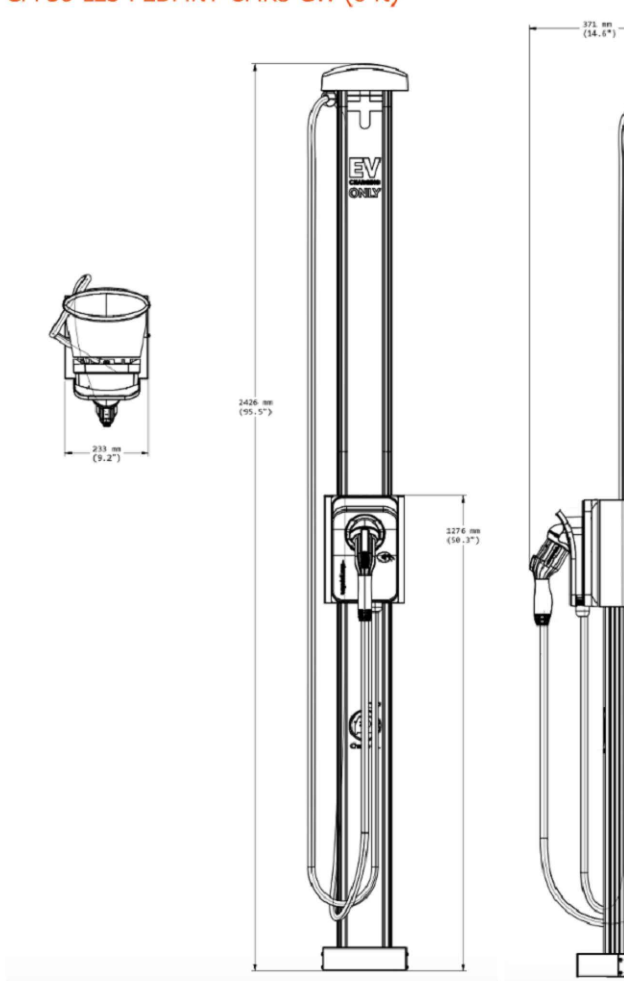
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Single Pedestal Mount with Cable Management Kit

CPF50-L23-PEDMNT-CMK8-GW (8 ft)



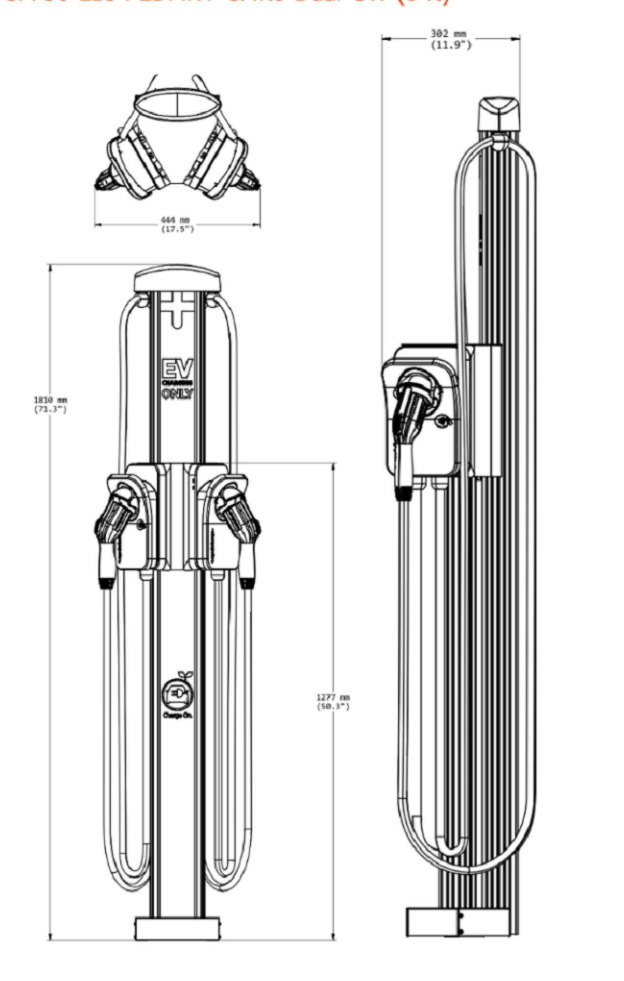
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Dual Pedestal Mount with Cable Management Kit

CPF50-L18-PEDMNT-CMK6-Dual-GW (6 ft)



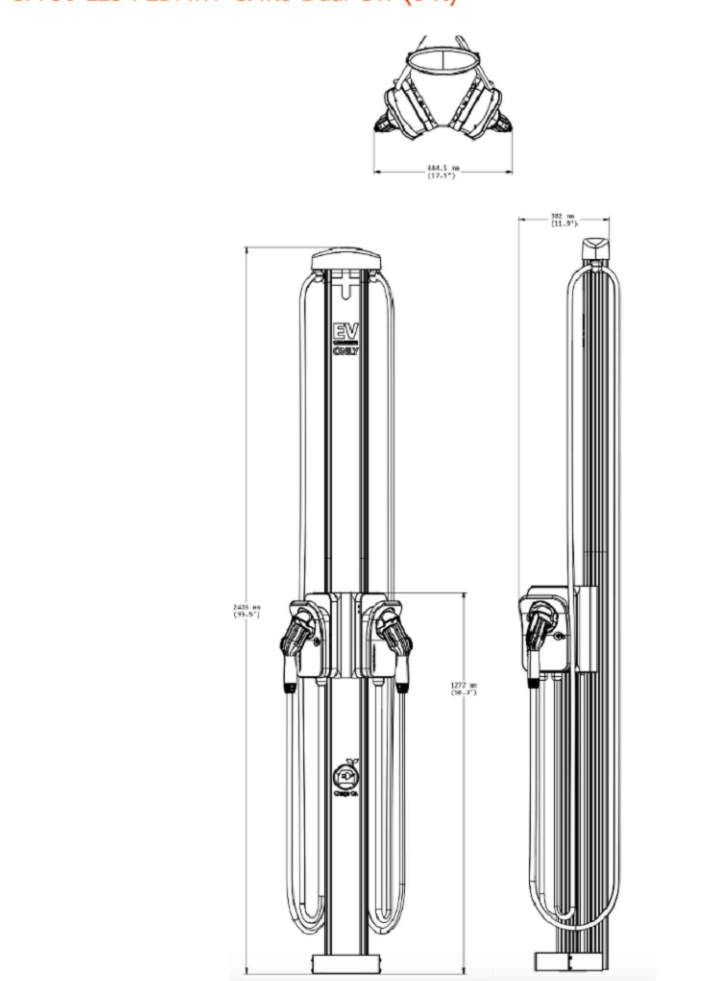
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Dual Pedestal Mount with Cable Management Kit

CPF50-L23-PEDMNT-CMK8-Dual-GW (8 ft)



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Contact Us

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PERMIT APPLICATION

OLYMPUS TOWN CENTER

1300 KELLER PARKWAY,

KELLER, TX 76248

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EVCS DESIGN DOCUMENTS

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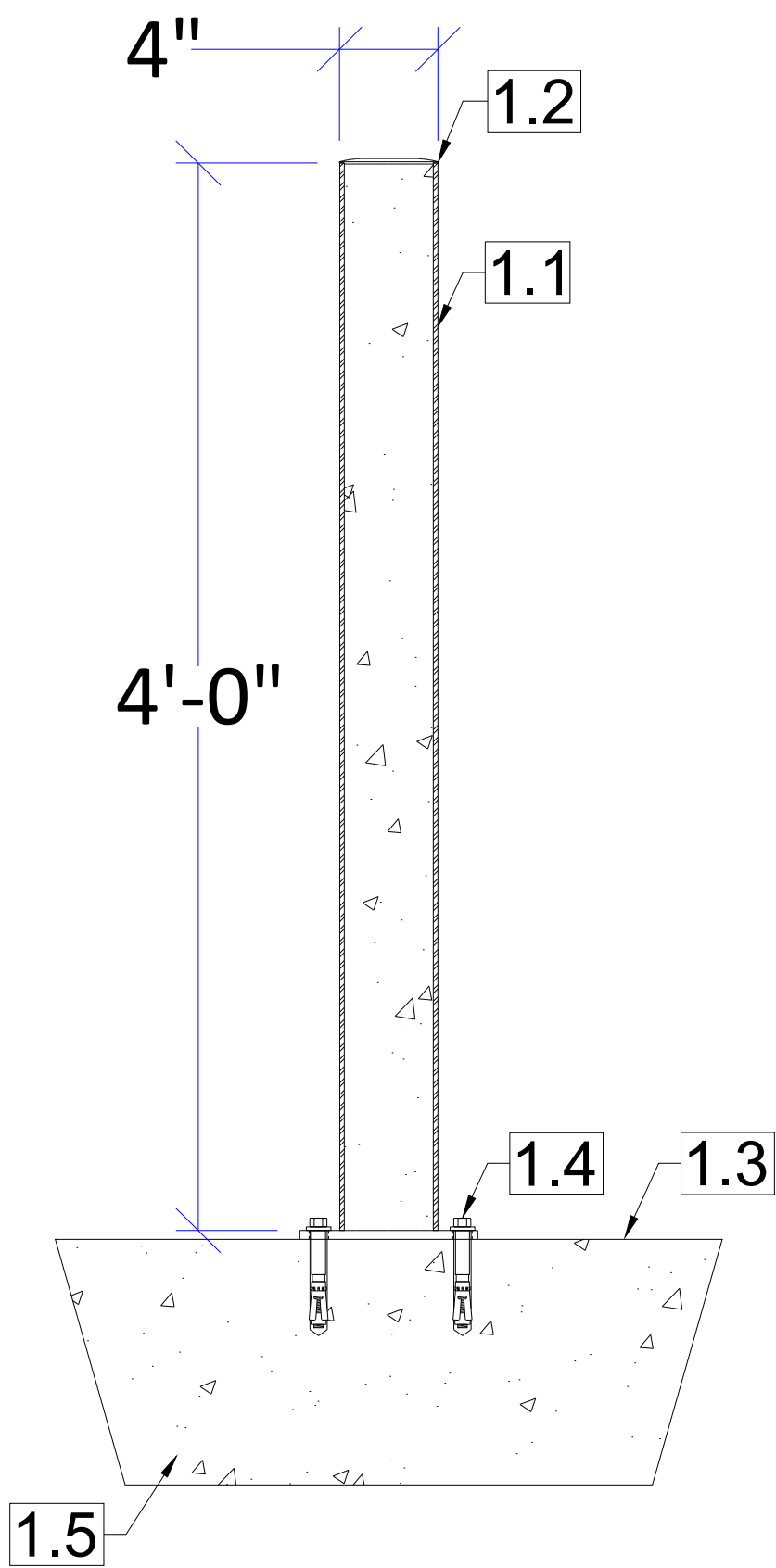
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REVISION:

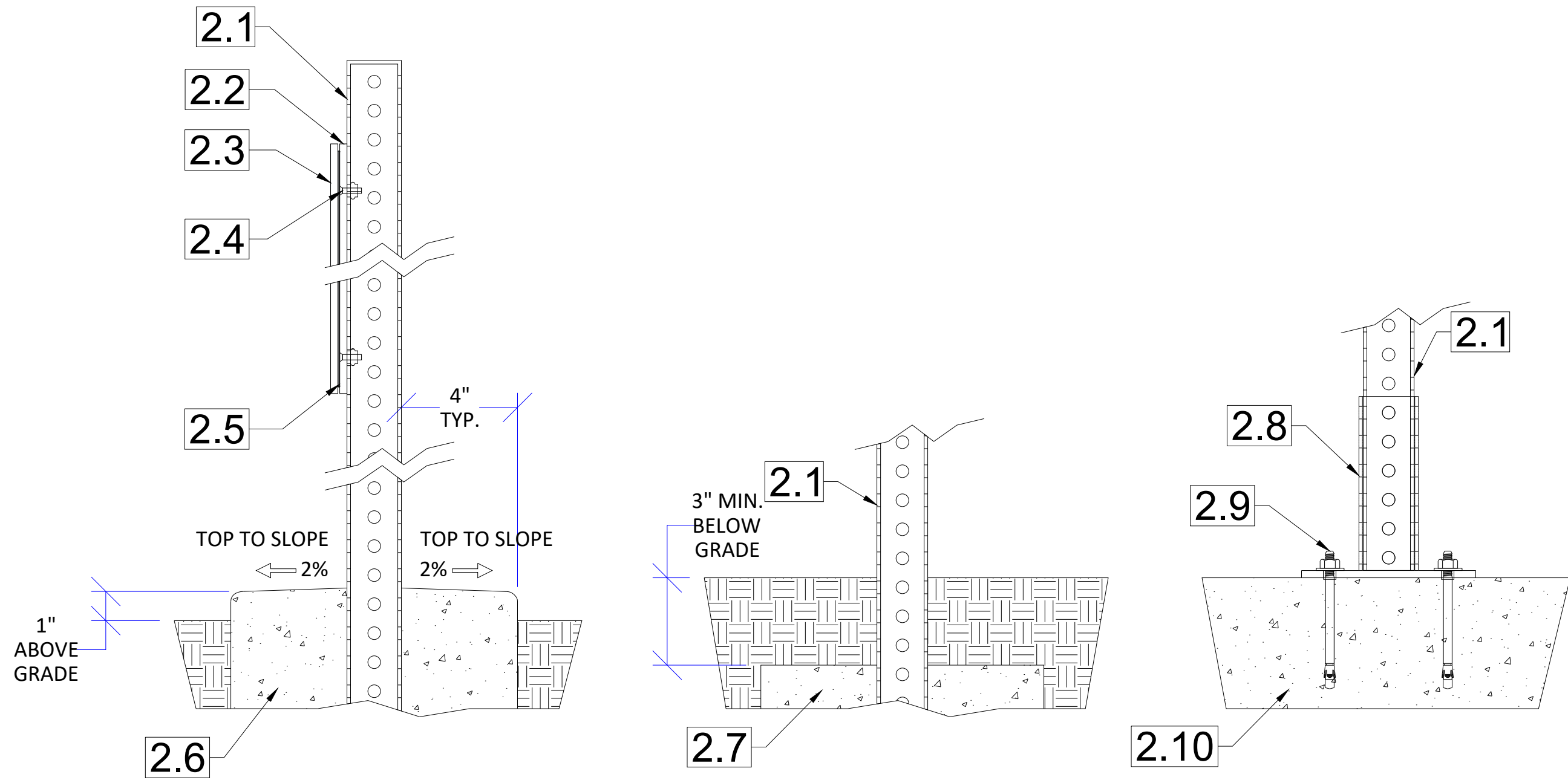
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E-09

BOLT DOWN BOLLARD
SCALE: 1-1/2" = 1'-0"



EV SIGNAGE SECTION DETAIL
SCALE: 3" = 1'-0"



KEY NOTES: [#]

1. BOLLARDS:

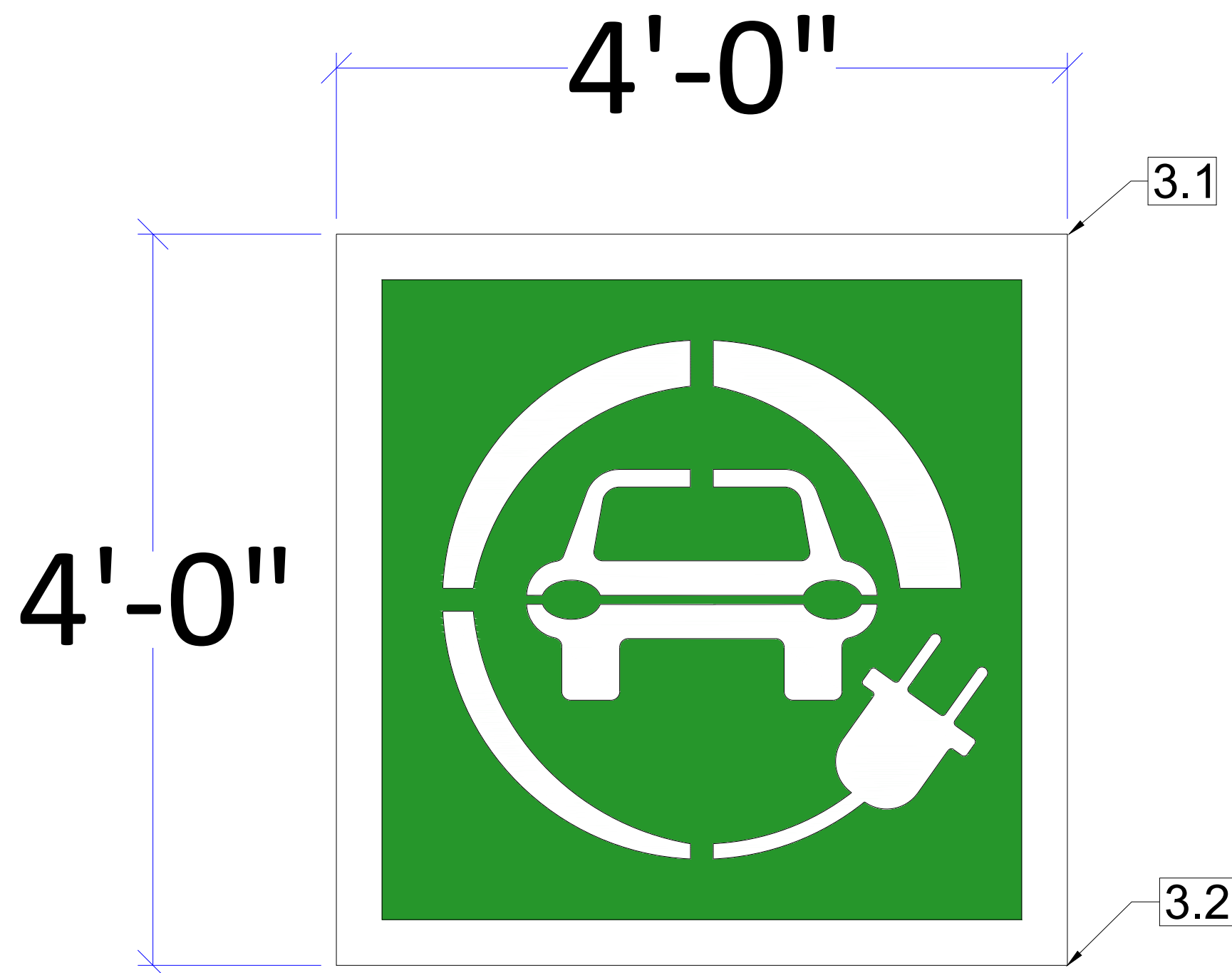
- 1.1. GALVANIZED STEEL PIPE ($\frac{1}{4}$ " MIN. WALL).
- 1.2. BLACK PLASTIC CAP.
- 1.3. FINAL GRADE
- 1.4. STAINLESS STEEL MECHANICAL ANCHORS.
- 1.5. CONCRETE ENCASEMENT SHALL BE A MINIMUM OF 6" THICK IN STABLE SOIL OR 12" THICK IN SANDY OR UNSTABLE SOIL.

2. NOT USED.

3. PARKING STENCIL

- 3.1. TRAFFIC ZONE MARKING PAINT (5GAL/BUCKET). GREEN OR WHITE TO CONTRAST SURFACE.
- 3.2. PARKING SPACE STRIPE(S) UTILIZE SAME GREEN OR WHITE PAINT AS EV STENCIL.

EV PARKING STENCIL
SCALE: 1-1/2" = 1'-0"



Michael Nelson
MICHAEL NELSON
MASTER ELECTRICIAN (TX): LICENSE #: 261090

- KEYNOTES: [#]
- 1. NO OTHER UTILITY CONDUITS SHALL BE INSTALLED DIRECTLY ABOVE ELECTRIC CONDUITS.
 - 2. ELECTRIC CONDUITS SHALL BE SEPARATED FROM EXISTING GAS LINES BY A MINIMUM HORIZONTAL CLEARANCE OF 2' (24").
 - 3. EXCAVATION EDGE
 - 4. EARTH BACKFILL
 - 5. WARNING TAPE: 6" DEEP (UNPAVED), 12" DEEP (PAVED)
 - 6. UNPAVED EARTH
 - 7. ASPHALT OR CONCRETE
 - 8. REFER TO CONDUIT AND WIRE SCHEDULE FOR SIZES



REFERENCE
DRAWING
(TRENCHING)

PERMIT APPLICATION
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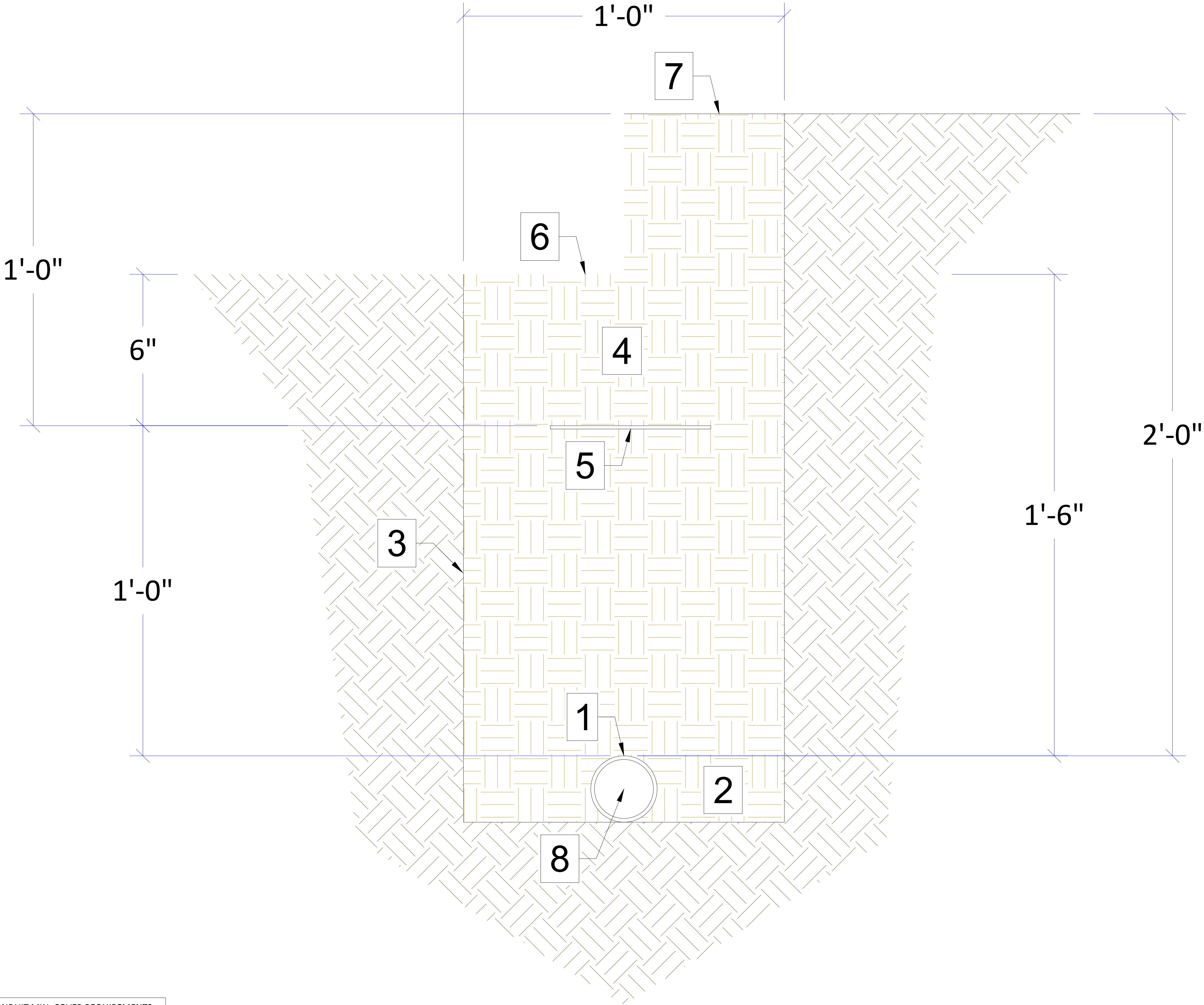
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TRENCHING & CONDUIT MIN. COVER REQUIREMENTS
SCALE: 1:4

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