

COMMERCIAL EVCS INSTALLATION

SAN JOAQUIN VALLEY APCD
4800 ENTERPRISE WAY
MODESTO, CA 95356
(209)557-6400

SHEET INDEX

PV 1.0 COVER SHEET

PV 2.0 SINGLE LINE DIAGRAM

PV 3.0 SITE PLAN

PV 4.0 SYSTEM LAYOUT

PV 5.0 SPECIFICATION SHEETS

INSTALLATION DETAILS

INSTALL TYPE: ELECTRIC VEHICLE CHARGING STATIONS

MANUFACTURER: CHARGEPOINT

EVCS TYPE: DUAL PORT/ BALLARD

MODEL NUMBER: CT4021

TOTAL COUNT: (3) DUAL PORT

ELECTICAL TYPE AT LOCATION: THREE PHASE

JURISDICTION: STANISLAUS COUNTY
BUILDING PERMITS DIVISION
1010 10TH ST SUITE 3400
MODESTO, CA 95354

1) THE APPROVAL OF THESE PLANS AND SPECIFICATIONS DOES NOT PERMIT THE VIOLATION OF ANY SECTION OF THE BUILDING CODE, MUNICIPAL ORDINANCES, OR STATE LAWS.

2) THESE PLANS AND RELATED DOCUMENTS MUST BE AT THE JOB SITE DURING INSPECTION ACTIVITY.

3) ELECTRICIANS MUST BE CERTIFIED BY THE STATE OF CALIFORNIA. NON-COMPLIANT VIOLATIONS OF THIS REQUIREMENT BY EITHER ELECTRICIANS OR WORKING CONTRACTORS SHALL BE REPORTED TO THE LICENSE BOARD AS REQUIRED UNDER THE EXISTING LABOR CONTRACT. ANY WORKMAN SHALL BE REQUIRED TO OBTAIN A STATE REGISTERED ELECTRICIAN (A/R) TRAINED) MAY ALSO PERFORM ELECTRICAL WORK IF UNDER DIRECT SUPERVISION OF A "STATE CERTIFIED ELECTRICIAN.

4) ANY SURVEY MONUMENTS IN THE AREA OF CONSTRUCTION SHALL BE PRESERVED OR RESET BY A PERSON LICENSED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA.

5) REPAIR ALL DAMAGED AND/OR OFF-GRADE CONCRETE STREET IMPROVEMENTS AS DETERMINED BY THE CONSTRUCTION MANAGEMENT ENGINEER PRIOR TO OCCUPANCY.

6) EACH EVCS SPACE WILL BE DESIGNATED FOR FLEET VEHICLE EV CHARGING ONLY AND SIGNAGE WILL BE PROVIDED INDICATING THE SPACES ARE NOT FOR USE BY THE GENERAL PUBLIC. CBC11B-Z28.3.2 EXCEPTION 1

7) EVCS ARE EQUIPPED WITH POINT OF SALE DEVICES IN COMPLIANCE WITH CBC11B-812.10.3.

APPLICABLE CODES:

2019 BUILDING CODE
2019 CALIFORNIA MECHANICAL CODE
2019 CALIFORNIA ELECTRICAL CODE
2019 CALIFORNIA PLUMBING CODE
2019 CALIFORNIA FIRE CODE
2019 CALIFORNIA ENERGY CODE
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
AISC 14TH EDITION
ASCE-7 2010

OWNERSHIP

SAN JOAQUIN VALLEY UNIFIED APCD
APN: 135-044-043

ZONE:

PC
TYPE: COMMERCIAL/UTILITIES

THE APPROVAL OF PLANS AND SPECIFICATIONS DOES NOT PERMIT THE VIOLATION OF ANY SECTION OF THE BUILDING CODE, OR ANY COUNTY ORDINANCE OR STATE LAW.

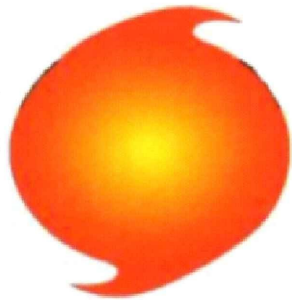
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STANISLAUS COUNTY
BUILDING PERMIT SERVICES

STANISLAUS COUNTY
DEPARTMENT OF BUILDING INSPECTIONS
This set of plans and specifications MUST be kept on the job site at all times. No changes or alterations may be made on these plans or specifications without written permission from the Building Inspections Department.
Job Address: 4800 Enterprise Wy. Occ. Use: U
APPROVED: Date: 09-23-2022 By: Miguel Diaz-Permit No. BLD2022-1028
Occupancy of structure is NOT permitted until final inspection and or issuance of Certificate of Occupancy.

REVISED

PACIFIC SOLAR

4920 E Yale
Fresno, CA 93727
Phone: (559) 251-5592
Fax: (559) 251-5595
Contractor License # 812149



SAN JOAQUIN VALLEY APCD

4800 ENTERPRISE WAY
MODESTO, CA 95356

SHEET NAME

COVER SHEET

Drawn by: BRITANY BURKS

Job No.: ----

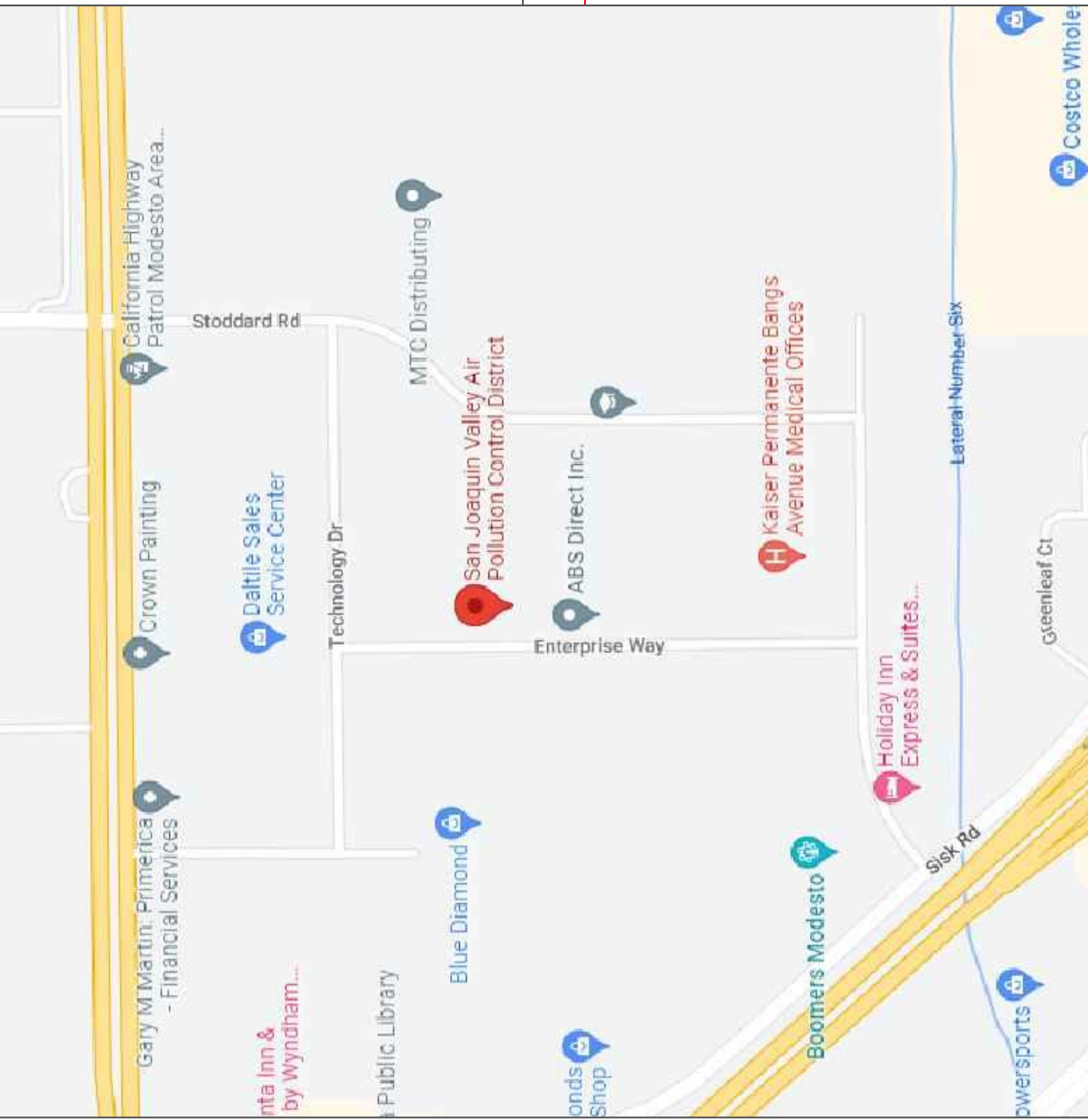
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Sheet No.

PV-1.0

Date: 9/7/2022

NOTE: PLEASE SEE SHEET PV-3.0 FOR FULL SITE PLAN



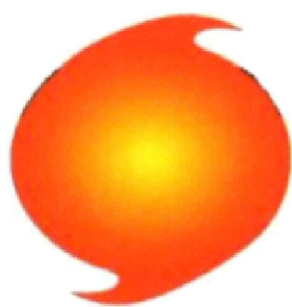
SITE PLAN

Sheet Name

SAN JOAQUIN VALLEY APCD
4800 ENTERPRISE WAY

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MODESTO, CA 95356



4920 E Yale
Fresno, CA 93727

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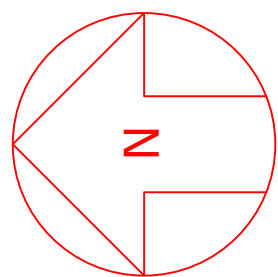
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Contractor License # 812149

PACIFIC SOLAR

APN: 135-044-043

SCALE : 1" = 10'



300'

PROPERTY LINE

18' TYP

9. TYPE

(E) PARKING

3' MIN
(TYPICAL)

3' MIN
(TYPICAL)

(E) WHEEL STOPS -

(E) DUAL PORT EV CHARGING STATION

(E) DUAL PORT EV CHARGING STATION

(NEW) DUAL PORT EV CHARGING STATIONS

(NEW) DUAL PORT EV CHARGING STATIONS

4' MIN
SIDEWALK CLEARANCE
(TYPICAL)

4' MIN
SIDEWALK CLEARANCE
(TYPICAL)

4' MIN
SIDEWALK CLEARANCE
(TYPICAL)

(E) DRIVEWAY

(E)MAIN BUILDING

175'

ENTERPRISE WAY

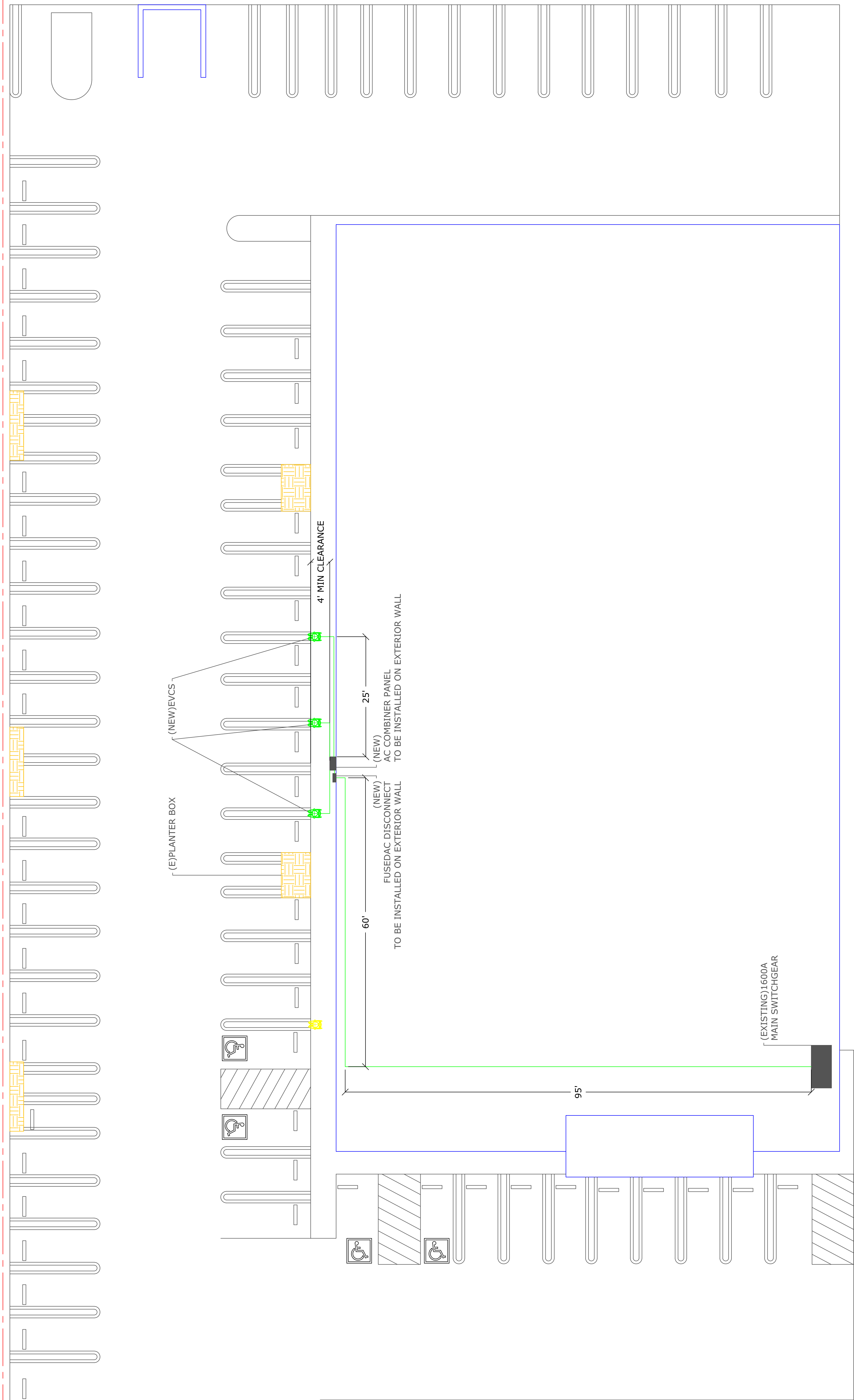
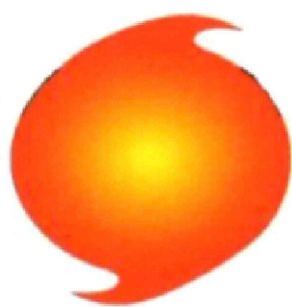
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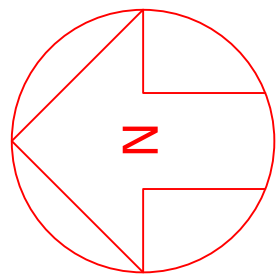
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SCALE : 1"=10'



ELECTRIC VEHICLE CHARGING STATIONS SPECIFICATIONS



CT4000 Level 2 Commercial Charging Station

Specifications and Ordering Information



CT4021

CT4000 Datasheet

Ordering Information

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

Specify model number followed by the applicable code(s). The order code sequence is: **Model-Options**, **Software**, **Services** and **Misc** are ordered as separate line items.

Hardware

Description	Order Code
Model	
1830 mm (6 ft) Single Port Bollard Mount	CT4011-GW1
1830 mm (6 ft) Dual Port Bollard Mount	CT4021-GW1
1830 mm (6 ft) Single Port Wall Mount	CT4013-GW1
1830 mm (6 ft) Dual Port Wall Mount	CT4023-GW1
2440 mm (8 ft) Dual Port Bollard Mount	CT4025-GW1
2440 mm (8 ft) Dual Port Wall Mount	CT4027-GW1
Included	-GW1
Misc	Power Management Kit Bollard Concrete Mounting Kit
	CT4000-PMGMT
	Bollard Concrete Mounting Kit
	CT4001-CCM

*Note: ALL CT4000 stations include Integral Modem -GW1.

Software & Services

Description	Order Code
ChargePoint Commercial Service Plan	CPCLD-COMMERCIAL-n*
ChargePoint Enterprise Plan	CPCLD-ENTERPRISE-n*
ChargePoint Assure	CT4000-ASSURE-n*
Station Activation and Configuration	CPSUPPORT-ACTIVE
ChargePoint Station Installation and Validation	CT4000-INSTALLVALID

Note: All CT4000 stations require a network service plan per port.
*Substitute n for desired years (1, 2, 3, 4 or 5 years)

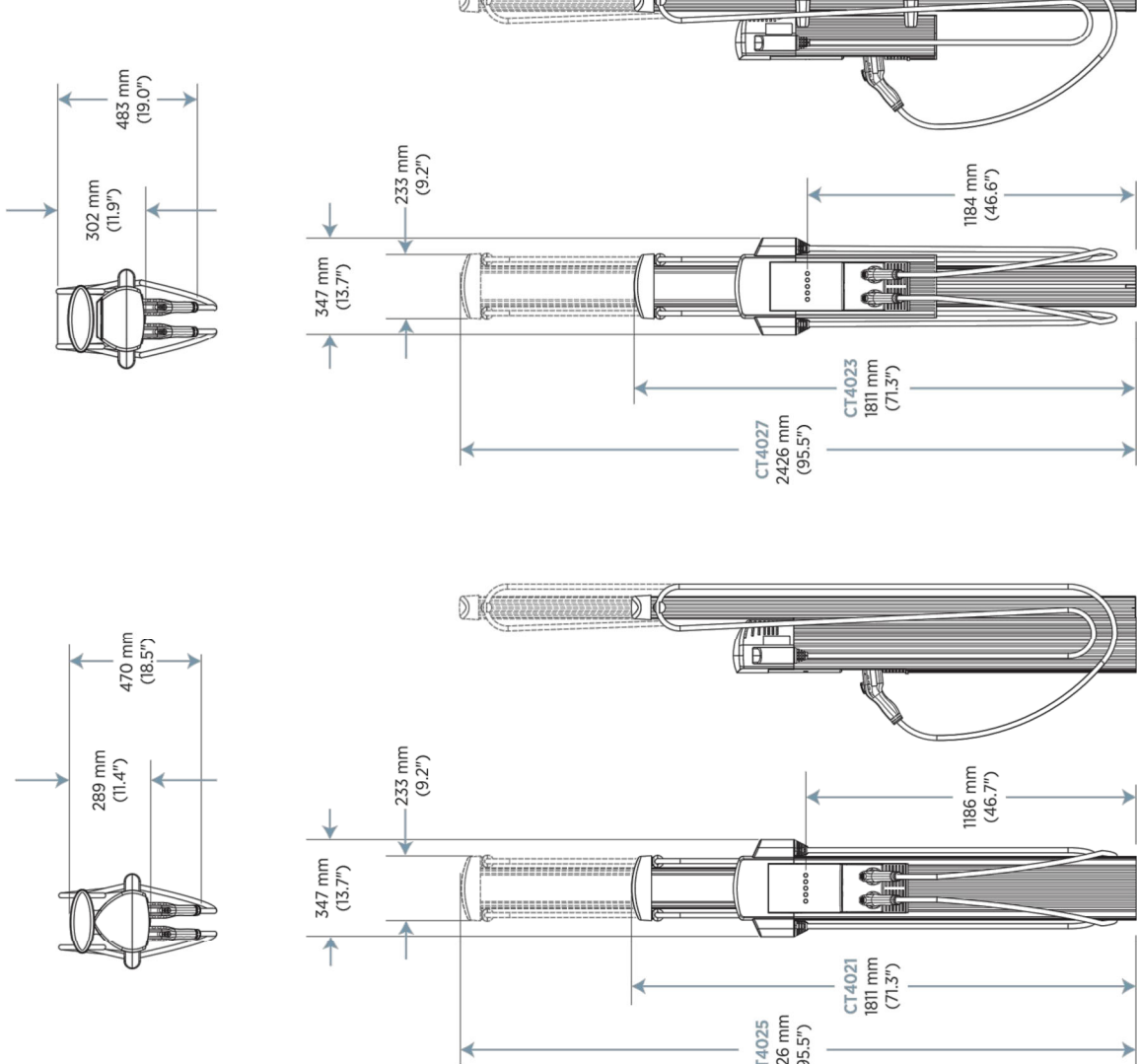
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2 of 7

CT4000 Datasheet

Architectural Drawings (Dimensions)

CT4021 1830 mm (6 ft)
CT4025 2440 mm (8 ft)
Bollard



CT4000 Datasheet

General Specifications

Electrical Input

Electrical Input	Single Port (AC Voltage 208 / 240V AC)		Dual Port (AC Voltage 208 / 240V AC)	
	Input Current	Standard Service Panel Breaker	Input Current	Standard Service Panel Breaker
Standard	30A	One 40A dual pole (non-branch circuit, GFCI type) x 2	30A x 2	Two 40A dual pole (non-branch circuit, GFCI type) x 2
Standard Power Share	n/a	n/a	32A	One 40A dual pole (non-branch circuit, GFCI type) x 2
Power Select 24A	24A	One 30A branch circuit (non-branch circuit, GFCI type) x 2	24A x 2	Two 30A dual pole (non-branch circuit, GFCI type) x 2
Power Select 16A	16A	One 20A branch circuit (non-branch circuit, GFCI type) x 2	16A x 2	Two 20A dual pole (non-branch circuit, GFCI type) x 2
Power Select 16A Power Share	n/a	n/a	16A	One 20A branch circuit (non-branch circuit, GFCI type)
Service Panel GFCI	Do not provide external GFCI as it may conflict with internal GFCI (CCID)			
Wiring – Standard	3-wire (L1, L2, Earth)		5-wire (L1, L1, L2, L2, Earth)	
Wiring – Power Share	n/a		3-wire (L1, L2, Earth)	
Station Power	8 W typical (standby), 15 W maximum (operation)			

Electrical Output

Electrical Output	Single Port (AC Voltage 208 / 240V AC)	Dual Port (AC Voltage 208 / 240V AC)
Standard	7.2 kW (240V AC @ 30A)	7.2 kW (240V AC @ 30A) x 2
Standard Power Share	n/a	7.2 kW (240V AC @ 30A) x 1 or 3.8 kW (240V AC @ 16A) x 2

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5 of 7

4 of 7

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PV-5.0

Sheet No.

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Drawn by: BRITANY BURKS

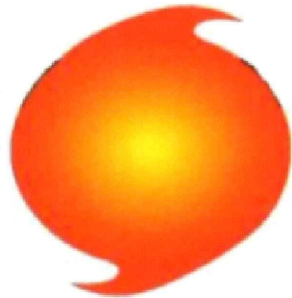
SPECIFICATION SHEETS

Sheet Name

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