

HARDWARE SPECIFICATIONS



FEATURES

- FULL COLOR, 8" TOUCHSCREEN DISPLAY WITH FULL-MOTION VIDEO, UV PROTECTION, GESTURE CONTROLS, & MULTI-LANGUAGE SUPPORT
- REAL-TIME LED STATION STATUS INDICATOR LIGHTS
- CHARGEPOINT OMNI™ PORT AVAILABLE, PROVIDING BOTH NACS AND J1772 CONNECTOR TYPES AT EACH CHARGING PORT.
- ISO 15693, ISO 14443, NFC CAPABLE AND CONTACTLESS CREDIT CARD READER
- LOCKING HOLSTERS
- ISO 15118 SUPPORTED BY HARDWARE
- BUILT-IN GFCI PROTECTION WITH AUTO RETRY
- INTEGRATED POWER MEASUREMENT WITH +/- 1% ACCURACY - CTEP & NTEP
- INTEGRATED 4G LTE CELLULAR MODEM
- CUSTOMIZABLE / BRANDABLE PANEL INSERTS
- OCPP 2.0.1 COMPATIBLE
- CHARGEPOINT PROTECT: REAL-TIME VANDALISM DETECTION AND PREVENTION THROUGH VISIBLE AND AUDIBLE ALARMS
- OPTIONAL CUT-RESISTANT CABLES USING STAINLESS STEEL AND KEVLAR® REINFORCEMENT

MOUNTING & ENCLOSURE

- NEMA® 3R ENCLOSURE
- WALL OR PEDESTAL MOUNT

PRODUCT OPTIONS
SELECT ONE OR BOTH OPTIONS FOR EACH CATEGORY BELOW BASED ON PROJECT REQUIREMENTS. (EXAMPLES HIGHLIGHTED)

MOUNTING TYPE	PORT QUANTITY	PORT TYPE
<input checked="" type="checkbox"/> PEDESTAL	<input checked="" type="checkbox"/> SINGLE	<input checked="" type="checkbox"/> OMNI™
<input type="checkbox"/> WALL	<input type="checkbox"/> DUAL	<input type="checkbox"/> J1772
MAX CURRENT	CABLE LENGTH	
<input checked="" type="checkbox"/> 50 A	<input checked="" type="checkbox"/> 18 FT	
<input type="checkbox"/> 80 A	<input type="checkbox"/> 23 FT	

ELECTRICAL

- SINGLE PHASE 208 V~ OR 240 V~, 60 Hz
- 80 A MAX INPUT CURRENT PER PORT
 - UP TO 100 A BRANCH CIRCUIT PER PORT
 - UP TO 19.2 kW OUTPUT POWER @ 240 V~ PER PORT
 - UP TO 16.64 kW OUTPUT POWER @ 208 V~ PER PORT
- STATION SURGE PROTECTION: 6 kV AT 3 kA

ENVIRONMENT

- OPERATING TEMPERATURE: -40°F TO 122°F (-40°C TO 50°C)
- NON-OPERATING TEMPERATURE: -40°F TO 140°F (-40°C TO 60°C)
- OPERATING HUMIDITY: UP TO 85% AT 122°F (50°C)
- NON-OPERATING HUMIDITY: UP TO 95% AT 122°F (50°C)

REGULATORY APPROVALS

- cULus LISTED
- COMPLIES WITH UL2594, UL2231-1, UL2231-2, AND NEC® 625
- ENERGY STAR® CERTIFIED
- FCC PART 15 CLASS B
- NTEP

ADDITIONAL RESOURCES

CP6000 DATASHEET:
[https://docs.chargepoint.com/ref-docs-sec/content/pdfs/2-ac/cp6000/cp6000-ds_commercial\(na\).pdf](https://docs.chargepoint.com/ref-docs-sec/content/pdfs/2-ac/cp6000/cp6000-ds_commercial(na).pdf)
CP6000 SITE DESIGN GUIDE:
[https://docs.chargepoint.com/ref-docs-sec/content/pdfs/2-ac/cp6000/cp6000-sdg\(na\).pdf](https://docs.chargepoint.com/ref-docs-sec/content/pdfs/2-ac/cp6000/cp6000-sdg(na).pdf)
INSTALLATION GUIDES AVAILABLE TO CERTIFIED INSTALLERS:
<https://www.chargepoint.com/partners/training-certification>

QUOTATION/PRICING REQUESTS:
CONTRACTORS TO CONTACT ELECTRICAL DISTRIBUTORS.

OTHER INQUIRIES:
CONTACT CHARGEPOINT DIRECTLY VIA EMAIL AT SPECIFICATIONS@CHARGEPOINT.COM
OR VISIT CHARGEPOINT'S HOMEPAGE AT [HTTPS://WWW.CHARGEPOINT.COM/#CHPT](https://www.chargepoint.com/#CHPT)



SOFTWARE & SERVICES

CHARGEPOINT CLOUD PLANS

ALL CP6000 STATIONS REQUIRE AN ACTIVE CHARGEPOINT CLOUD PLAN. EITHER A COMMERCIAL CLOUD PLAN OR AN ENTERPRISE CLOUD PLAN IS REQUIRED PER CHARGING PORT.

COMMERCIAL CLOUD PLAN

- ORDER CODE: **CPCLD-COMMERCIAL-n***
- *REPLACE "n" WITH DESIRED YEARS OF SERVICE (1, 2, 3, 4, OR 5 YEARS)

ENTERPRISE CLOUD PLAN

- ORDER CODE: **CPCLD-ENTERPRISE-n***
- *REPLACE "n" WITH DESIRED YEARS OF SERVICE (1, 2, 3, 4, OR 5 YEARS)

FOR MORE INFORMATION ON CLOUD PLAN FEATURES, SEE TABLE BELOW AND VISIT:
<https://www.chargepoint.com/download-file/cp-cloud-plans-comparison-matrix-commercial>

CATEGORY	PLAN FEATURE	COMMERCIAL PLAN	ENTERPRISE PLAN
GENERAL SUPPORT	4G LTE CELLULAR NETWORK CONNECTION	✓	✓
	BASIC API ACCESS	✓	✓
	24/7 SUPPORT FOR STATION HOSTS & DRIVERS	✓	✓
STATION MANAGEMENT	STATION SOFTWARE UPDATES	✓	✓
	REAL-TIME STATION STATUS	✓	✓
	AGGREGATED REPORTING & ANALYTICS	✓	✓
	USER MANAGEMENT & ADMINISTRATIVE TOOLS	✓	✓
	VALET DASHBOARD	✓	✓
	ON-STATION VIDEO UPLOADS	✓	✓
BASIC POWER MANAGEMENT	STATION MESSAGES	✓	✓
	POWER SHARING AT CIRCUIT, PANEL, & SITE LEVELS	✓	✓
	CABLE SHARING (AC ONLY)	✓	✓
	FIXED POWER DERATING (AC ONLY)	✓	✓
DRIVER MANAGEMENT	HIERARCHICAL POWER SHARING	✓	✓
	DRIVER MOBILE APP & WEB PORTAL	✓	✓
	ACCESS CONTROL	✓	✓
	PRICING CONTROL	✓	✓
	CONNECTIONS	✓	✓
	NOTIFY ME WHEN AVAILABLE	✓	✓
	WAITLIST	✓	✓
	SHOW STATIONS ON CHARGEPOINT NETWORK MAP	✓	✓
	EV CHARGING NETWORK ROAMING	✓	✓
	TAP TO CHARGE	✓	✓
ADVANCED POWER MANAGEMENT	API SUPPORTING DEMAND MANAGEMENT	✓	✓
	TIME OF USE POWER SHARING	✓	✓
	REPORTING ON METER DATA AND ADVANCED ANALYTICS	✓	✓

INSTALLATION & ACTIVATION

INSTALLATION

REQUIRED
INSTALLATION TO BE COMPLETED BY AN ENTITY HOLDING THE CP6000 INSTALLATION MICROCREDENTIAL* FROM CHARGEPOINT UNIVERSITY.

REQUIRED

ACTIVATION

- ORDER CODE: **CP-ACTIVATION**
- REQUIRED FOR ALL CP6000 STATIONS.
- INCLUDES ACTIVATION OF STATIONS BY A CHARGEPOINT REMOTE SERVICES TECHNICIAN.

*CHARGEPOINT RECOMMENDS SELECTING A CHARGEPOINT AC CERTIFIED INSTALLER.



WARRANTIES

CHARGEPOINT ASSURE®

- ORDER CODE: **CP6000-ASSURE-n***
- INCLUDES PARTS COSTS AND LABOR COSTS FOR ISSUES COVERED UNDER WARRANTY
- INCLUDES LABOR AND TRAVEL COVERAGE TO REPAIR ISSUES NOT COVERED UNDER WARRANTY, SUCH AS VANDALISM AND ACCIDENTS.
- INCLUDES COORDINATION FOR SERVICE VISITS BY A CHARGEPOINT TECHNICAL SUPPORT ENGINEER.
- VISIT <https://www.chargepoint.com/download-file/chargepoint-assure-brochure-us> FOR MORE INFORMATION
- *REPLACE "n" WITH DESIRED YEARS OF SERVICE (1, 2, 3, 4, OR 5 YEARS)

RECOMMENDED

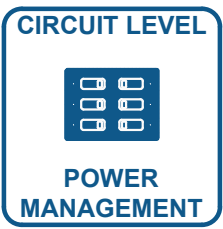
STANDARD WARRANTY

- 2 YEARS, PARTS ONLY; STATION MUST BE INSTALLED BY A CHARGEPOINT CERTIFIED TECHNICIAN.

CHARGEPOINT POWER MANAGEMENT SOFTWARE

HIERARCHICAL POWER MANAGEMENT

- ENABLES OVERSUBSCRIPTION OF TRANSFORMERS, PANELS, AND / OR CIRCUITS BASED ON PROJECT NEEDS.
 - ELIMINATES NEED FOR EXTERNAL LOAD MANAGEMENT DEVICES IN UPSTREAM ELECTRICAL INFRASTRUCTURE.
 - MEETS STANDARDS SET BY NEC 625.42 FOR LOAD MANAGEMENT
- CAN INCLUDE ANY OR ALL OF THE FOLLOWING:



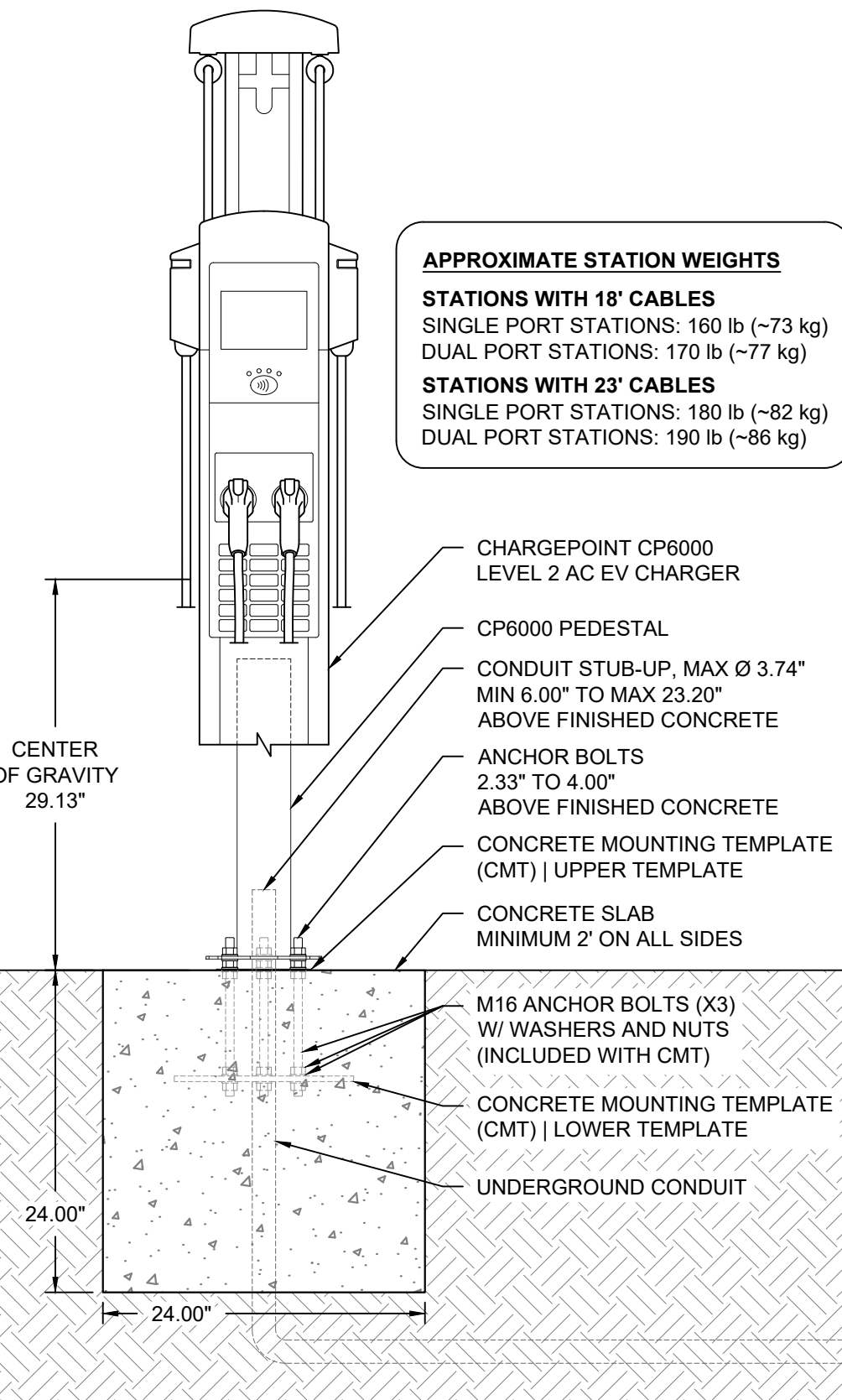
RECOMMENDED EQUIPMENT SIZES

RECOMMENDED SITE TRANSFORMER SIZING WITH SITE-LEVEL POWER MANAGEMENT	
TRANSFORMER RATING (KVA)	MAX QTY OF PORTS
30	9
45	13
75	22
112.5	33
150	45
225	67
300	90
500	150
750	225

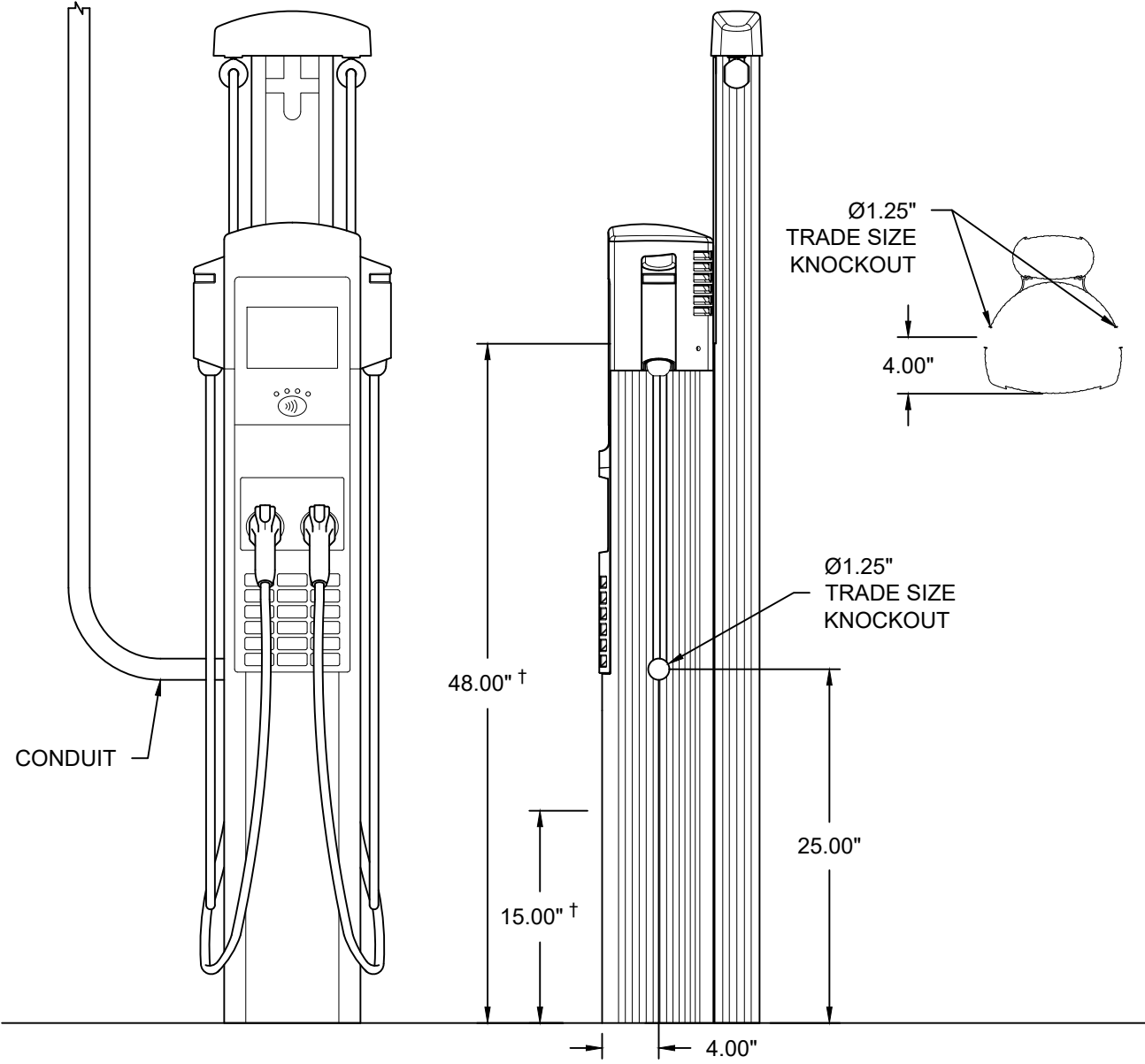
RECOMMENDED MAIN BREAKER SIZING WITH PANEL-LEVEL POWER MANAGEMENT			
PANEL VOLTAGE:			208 Y / 120 V
BRANCH CIRCUIT BREAKER (PER PORT):			2-POLE, 100A
MCB RATING (A)	MAX QTY OF PORTS	MAX AMPS PER PORT	MIN AMPS PER PORT
125	10	80 A	16 A
200	17		
225	19		
400	34		
600	51	80 A	16 A
800	68		

TRANSFORMER AND BREAKER SIZES SHOWN IN ABOVE TABLES ARE RECOMMENDATIONS. AN E.E. AND/OR E.C. TO VERIFY ELECTRICAL SPECIFICATIONS MEET CODE REQUIREMENTS.
RECOMMENDATIONS IN ABOVE TABLES MAINTAIN A MINIMUM OUTPUT OF > 3.3 kW PER PORT @ 208 V~.

TECHNICAL DRAWINGS



1 PEDESTAL MOUNT DETAIL - CONCRETE MOUNTING SECTION
SCALE: 1" = 1'0"



IF THE CONDUIT CANNOT COME FROM BELOW THE PEDESTAL (E.G., EXISTING CONCRETE IN A PARKING GARAGE), MOUNT THE PEDESTAL AND ENSURE IT IS LEVEL AND TIGHT, THEN FOLLOW THESE STEPS.
NOTE: YOU WILL NEED A HOLE SAW OR A KNOCKOUT PUNCH.

- MARK THE CONDUIT ENTRY POINT ON EITHER SIDE OF THE HOUSING. THE CENTER OF THE OPENING MUST BE 25" FROM THE BOTTOM AND 4" FROM THE FRONT - A LOCATION THAT DOES NOT INTERSECT ANY INTERNAL RIBS. DRILL OR PUNCH A HOLE FOR A 1.25" TRADE SIZE KNOCKOUT.
- PULL WIRE THROUGH THE CONDUIT, PROTECTING WIRES FROM SHARE EDGES OF THE INTERNAL STRUCTURAL COMPONENTS.
- SEAL THE CONDUIT ENTRY INTO THE PEDESTAL HOUSING USING AN APPROVED SEALING METHOD.

NOTE: ENSURE INSTALLATION COMPLIES WITH ALL APPLICABLE CODES & ORDINANCES.

REFER TO CP6000 INSTALLATION GUIDE FOR ADDITIONAL INFORMATION.

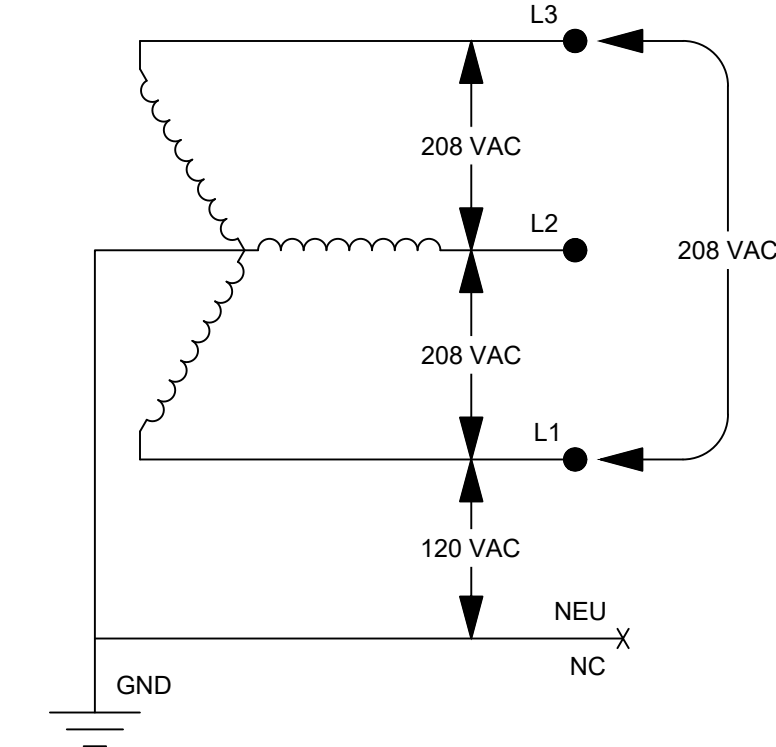
* OPERABLE PARTS MEET RECOMMENDATIONS FOR AN UNOBSTRUCTED SIDE REACH AS OUTLINED IN "DESIGN RECOMMENDATIONS FOR ACCESSIBLE ELECTRIC VEHICLE CHARGING STATIONS" DATED JULY 17, 2023 BY THE U.S. ACCESS BOARD.

2 ALTERNATIVE INSTALLATION: SIDE MOUNTED CONDUIT
SCALE: 1" = 1'0"

WIRING DIAGRAMS

120/208 VAC, 3Φ WYE BONDED NEUTRAL

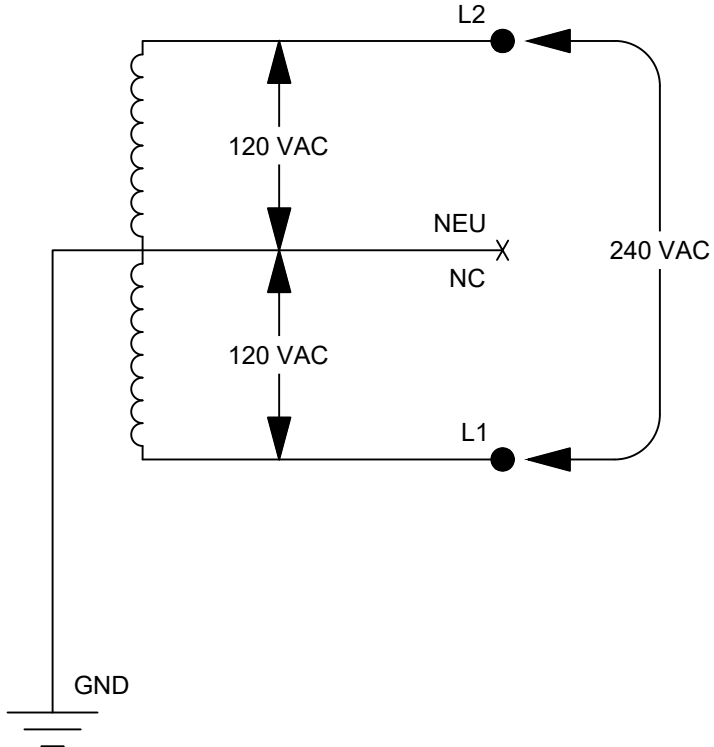
STATION MAY BE CONNECTED TO ANY TWO LINES
NEUTRAL IS NOT USED



SUPPORTED ELECTRICAL SYSTEMS

120/240 VAC, 1Φ BONDED NEUTRAL

STATION IS CONNECTED TO L1 & L2
NEUTRAL IS NOT USED



DUAL CIRCUIT, DUAL PORT

FROM DISTRIBUTION PANEL (2-POLE BREAKER REQUIRED PER PORT)

L1 (LEFT PORT)
L1 (RIGHT PORT)
GROUND
L2 (LEFT PORT)
L2 (RIGHT PORT)

SINGLE CIRCUIT, DUAL OR SINGLE PORT

FROM DISTRIBUTION PANEL (2-POLE BREAKER REQUIRED PER CIRCUIT)

L1
GROUND
L2

POWER SHARE JUMPERS

CP6000 POWER PLATE WIRING DIAGRAMS

CONCEPT DRAWING
NOT FOR CONSTRUCTION

DRAWING TITLE:
**CHARGEPOINT
CP6000 EVSE DETAIL**

TYPICAL PEDESTAL MOUNT

DOCUMENT #: 15106006e
DATE: 08.04.25
DRAWN BY: CMT
SCALE: N.T.S.

SHEET: