

HARDWARE SPECIFICATIONS



FEATURES

- REAL-TIME LED STATION STATUS INDICATOR LIGHTS
- 10", FULL COLOR DISPLAY WITH UV PROTECTION, GESTURE TOUCH CONTROLS, AND MULTI-LANGUAGE SUPPORT
- RFID: ISO 15693, ISO 14443, NEMA EVSE 1.2-2015 (UR)
- INTEGRATED CABLE MANAGEMENT WITH SWING ARM ALLOWS FOR 12' 4" HORIZONTAL REACH
- SUPPORTS TAP TO CHARGE
- ISO 15118 SUPPORTED BY HARDWARE
- LIQUID COOLING TECHNOLOGY
- PLUG-OUT DETECTION WITH POWER TERMINATED PER SAE J2931 (CCS1) & JEVS G104 (CHAdeMO)
- INTEGRATED 4G LTE CELLULAR MODEM
- OCPP 2.0.1 COMPATIBLE
- 24/7/365 DRIVER AND STATION OWNER SUPPORT
- SUPPORTS NACS (J3400), CCS1 (SAE J1772 COMBO), AND CHAdeMO CONNECTORS. UP TO (2) CONNECTORS PER STATION*

* (2) PORTS PROVIDED FOR VEHICLE COMPATIBILITY BASED ON CONNECTOR TYPE. ONLY (1) PORT CAN CHARGE AT A TIME. SIMULTANEOUS CHARGING FROM BOTH PORTS IS NOT SUPPORTED. SEQUENTIAL CHARGING FOR FLEET CUSTOMERS ONLY.

ELECTRICAL

- 480 Y / 277 V, 60 Hz
- 100 A INPUT CURRENT, PROTECTED BY 125 A BREAKER
 - UP TO 80 kW OUTPUT POWER FOR A SINGLE STATION
 - UP TO 160 kW OUTPUT POWER WHEN PAIRED W/ A SECOND CPE280
- STATION SURGE PROTECTION: 6 kV AT 3 kA
- OUTPUT VOLTAGE: 100 - 1000 V –

ENVIRONMENT

- OPERATING TEMPERATURE: -40°F TO 122°F (-40°C TO 50°C) W/ DERATING
- STORAGE TEMPERATURE: -40°F TO 122°F (-40°C TO 50°C)
- OPERATING HUMIDITY: UP TO 95% AT 122°F (50°C) NON-CONDENSING
- OPERATIONAL ALTITUDE: < 9,800 FT (3,000 M)

MOUNTING & ENCLOSURE

- NEMA® 3R, IP54 RATED ENCLOSURE
- IK10 IMPACT RATED

REGULATORY APPROVALS

- cULus LISTED
- COMPLIES WITH UL2202, UL2231-1, UL2231-2, AND NEC® 625
- ENERGY STAR® CERTIFIED
- FCC PART 15 SUBPART B CLASS A
- NTEP

ADDITIONAL RESOURCES

CPE280 DATASHEET:

<https://docs.chargepoint.com/ref-docs-sec/content/pdfs/3-dc/express280/exp280-ds.pdf>

CPE280 SITE DESIGN GUIDE:

<https://docs.chargepoint.com/ref-docs-sec/content/pdfs/3-dc/express280/exp280-sdg.pdf>

CPE280 CONCRETE MOUNTING TEMPLATE:

<https://docs.chargepoint.com/ref-docs-sec/content/pdfs/3-dc/express280/exp280-cmt.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

ENTERPRISE CLOUD PLAN

REQUIRED

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

THE CHARGEPOINT ENTERPRISE CLOUD PLAN FOR DC FAST CHARGING STATIONS INCLUDES THE FOLLOWING FEATURES:

GENERAL SUPPORT

- 4G LTE CELLULAR NETWORK CONNECTION
- BASIC API ACCESS
- 24/7 SUPPORT FOR STATION HOSTS VIA PHONE
- 24/7 SUPPORT FOR DRIVERS VIA PHONE

STATION MANAGEMENT

- STATION SOFTWARE UPDATES
- REAL-TIME STATION STATUS
- AGGREGATED REPORTING & ANALYTICS
- USER MANAGEMENT & ADMINISTRATIVE TOOLS
- VALET DASHBOARD
- ON-STATION VIDEO UPLOADS
- STATION MESSAGES

DRIVER MANAGEMENT

- 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

POWER MANAGEMENT

- POWER SHARING AT CIRCUIT, PANEL, & SITE LEVELS
- HIERARCHICAL POWER SHARING
- API SUPPORTING DEMAND MANAGEMENT
- TIME OF USE POWER SHARING
- METER DATA & ADVANCED ANALYTICS REPORTING
- POWER MODULE HOURS BALANCING
- DYNAMIC POWER MODULE ALLOCATION

FOR MORE INFORMATION ON CLOUD PLAN FEATURES, VISIT:

www.chargepoint.com/download-file/cp-cloud-plans-comparison-matrix-commercial

INSTALLATION & ACTIVATION

INSTALLATION

REQUIRED

- INSTALLATION TO BE COMPLETED BY AN ENTITY HOLDING THE CPE280 INSTALLATION MICROCREDENTIAL* FROM CHARGEPOINT UNIVERSITY.

* CHARGEPOINT RECOMMENDS SELECTING A CHARGEPOINT DC CERTIFIED INSTALLER.



COMMISSIONING

REQUIRED

- ORDER CODE: **CPE280-COMMISSIONING**
- INCLUDES ON-SITE VALIDATION OF CPE280 STATIONS BY A CHARGEPOINT TECHNICIAN PRIOR TO ACTIVATION.

ACTIVATION

REQUIRED

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

WARRANTIES

CHARGEPOINT ASSURE®

RECOMMENDED

- ORDER CODE: **CPE280-ASSURE-n***
- INCLUDES PARTS COSTS & LABOR COSTS FOR ISSUES COVERED UNDER WARRANTY
- INCLUDES LABOR & TRAVEL COVERAGE TO REPAIR ISSUES NOT COVERED UNDER WARRANTY, SUCH AS VANDALISM & ACCIDENTS.
- INCLUDES COORDINATION FOR SERVICE VISITS BY A CHARGEPOINT TECHNICAL SUPPORT ENGINEER.
- FOR MORE INFORMATION, VISIT: www.chargepoint.com/download-file/chargepoint-assure-brochure-us

*REPLACE "n" WITH DESIRED YEARS OF SERVICE (1, 2, 3, 4, OR 5 YEARS)

STANDARD WARRANTY

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

CHARGEPOINT POWER MANAGEMENT SOFTWARE - DC FAST

HIERARCHICAL POWER MANAGEMENT

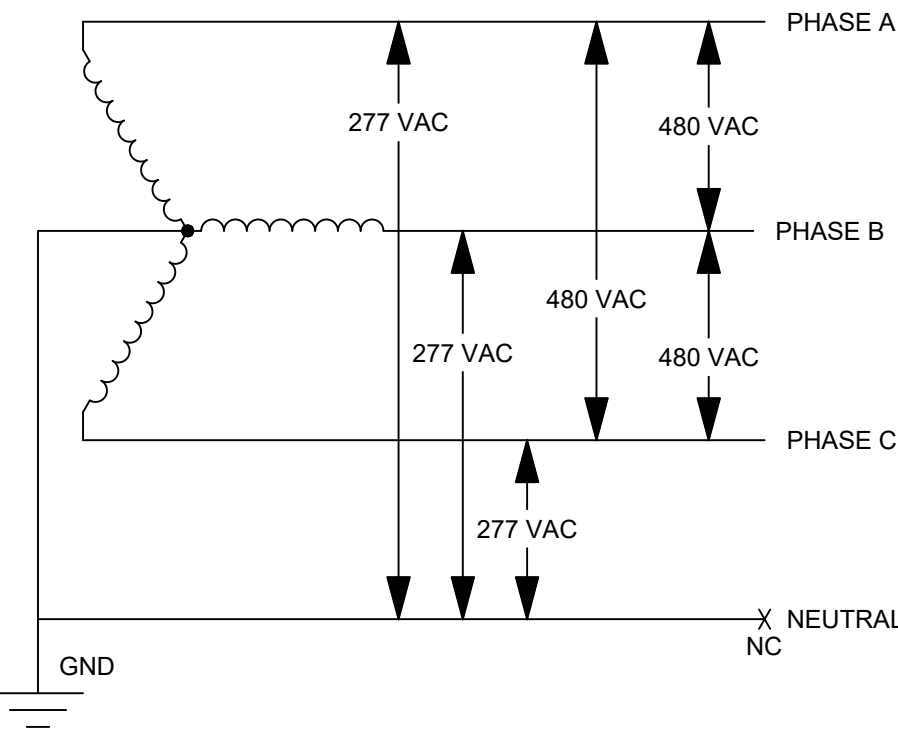
- ENABLES OVERSUBSCRIPTION OF TRANSFORMERS AND / OR PANELS BASED ON PROJECT NEEDS.
 - ELIMINATES NEED FOR EXTERNAL LOAD MANAGEMENT DEVICES IN UPSTREAM ELECTRICAL INFRASTRUCTURE.
 - MEETS STANDARDS SET BY NEC 625.42 FOR LOAD MANAGEMENT
- CAN INCLUDE EITHER OR BOTH OF THE FOLLOWING:



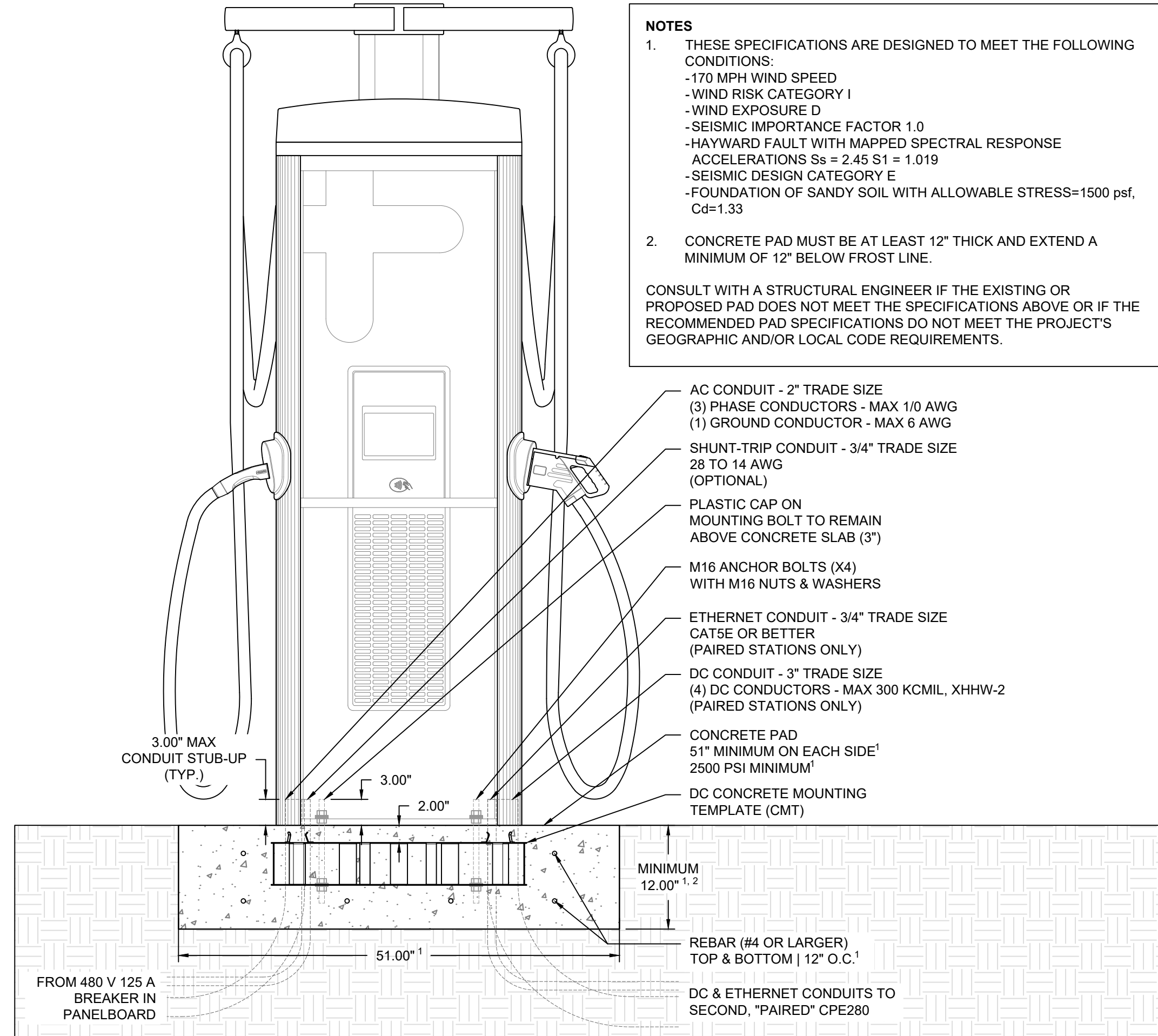
SUPPORTED ELECTRICAL SYSTEM

480 Y / 277 VAC, 3ϕ WYE

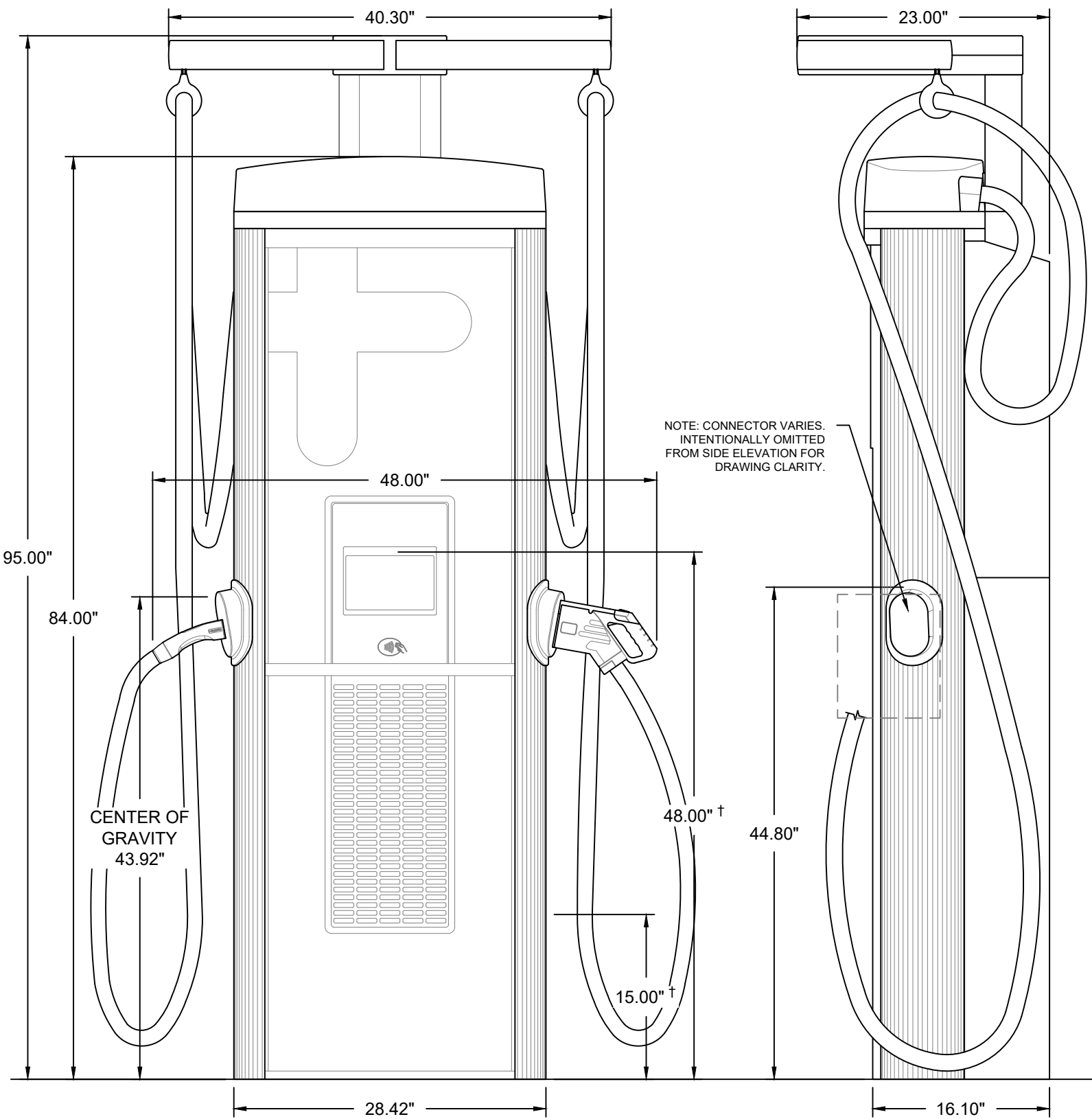
NEUTRAL NOT REQUIRED



TECHNICAL DRAWINGS



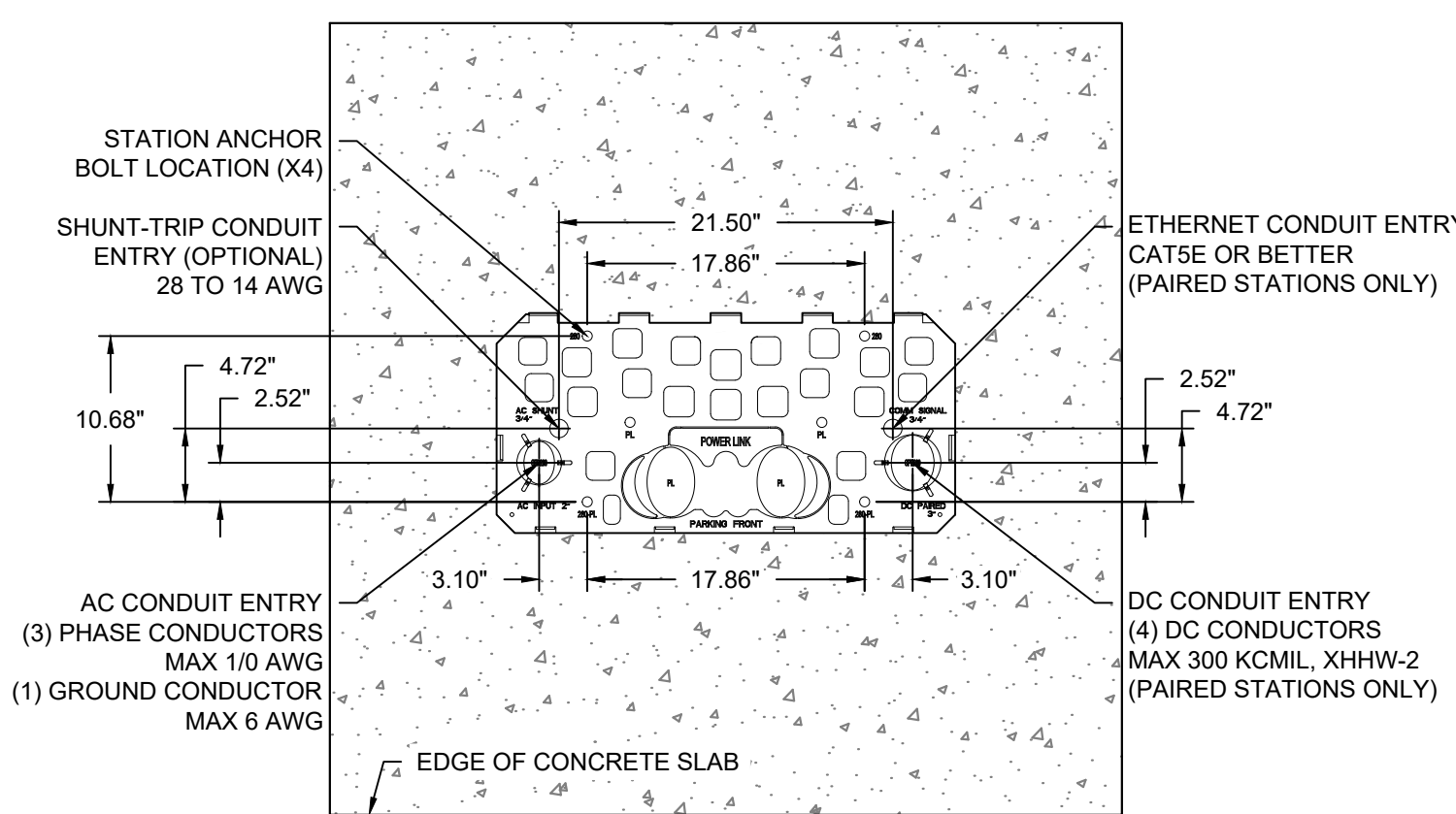
1 CONCRETE MOUNTING SECTION
SCALE: 1" = 1'0"



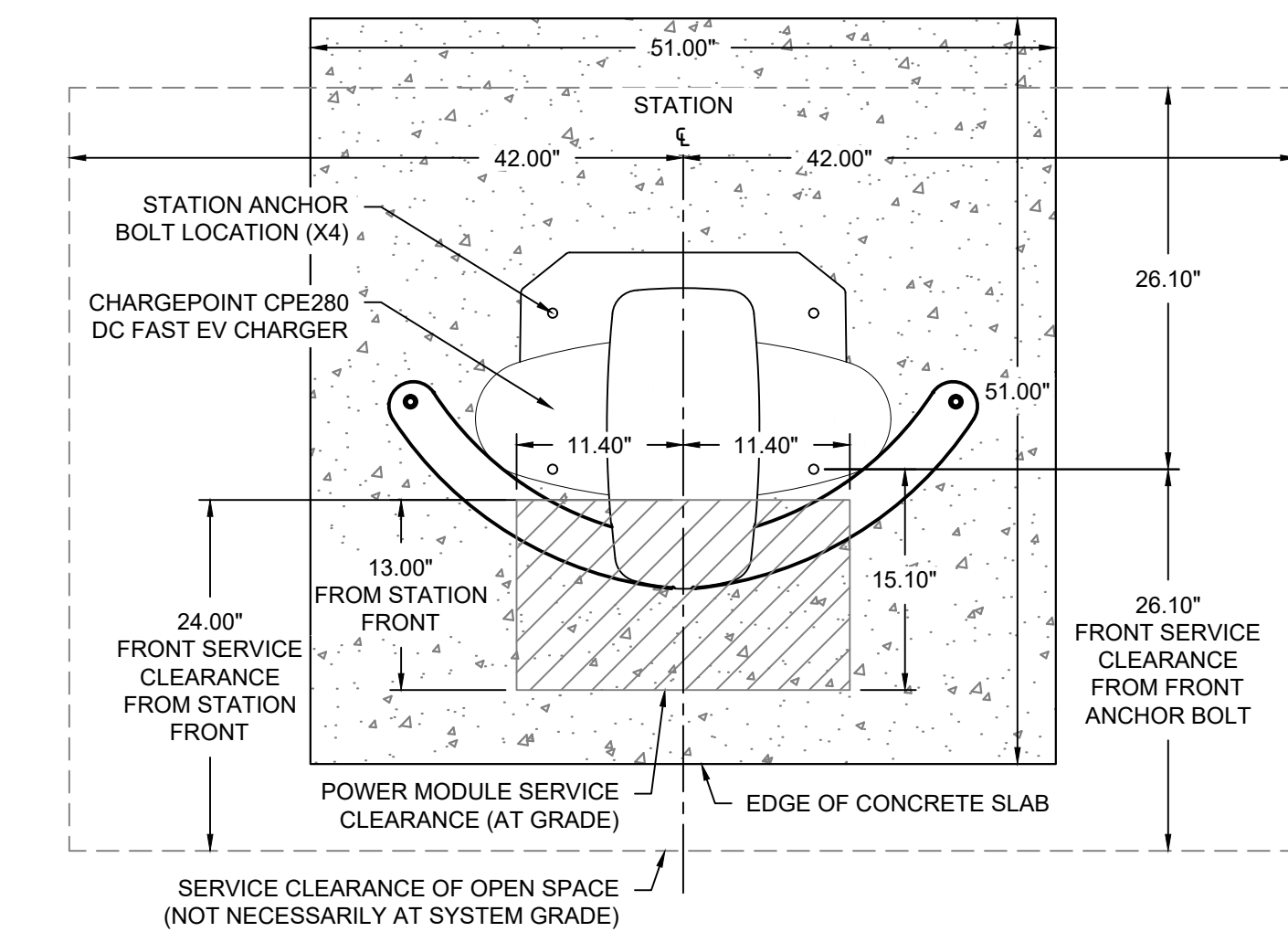
¹ OPERABLE PARTS MEET RECOMMENDATIONS FOR AN UNOBSTRUCTED SIDE REACH AS OUTLINED IN "DESIGN RECOMMENDATIONS FOR ACCESSIBLE ELECTRIC VEHICLE CHARGING STATIONS" DATED JULY 17, 2023 BY THE U.S. ACCESS BOARD.

APPROXIMATE WEIGHTS
STATION WEIGHT (WITHOUT POWER MODULES): 551 lb (250 kg)
POWER MODULE WEIGHT (EACH): 98.5 lb (45 kg)
TOTAL STATION WEIGHT: 551 lb + (2 x 98.5 lb) = 748 lb (340 kg)

2 ELEVATIONS
SCALE: 1" = 1'0"



3 DC STATION CONCRETE MOUNTING TEMPLATE
SCALE: 1" = 1'0"



4 CLEARANCES
SCALE: 1" = 1'0"

CONCEPT DRAWING
NOT FOR CONSTRUCTION

DRAWING TITLE:
**CHARGEPOINT
CPE280 EVSE DETAIL**

(1) NACS PORT, (1) CCS1 PORT,
18\"/>

DOCUMENT #: 15128001a
DATE: 09.08.2025
DRAWN BY: CMT
SCALE: AS NOTED

SHEET: