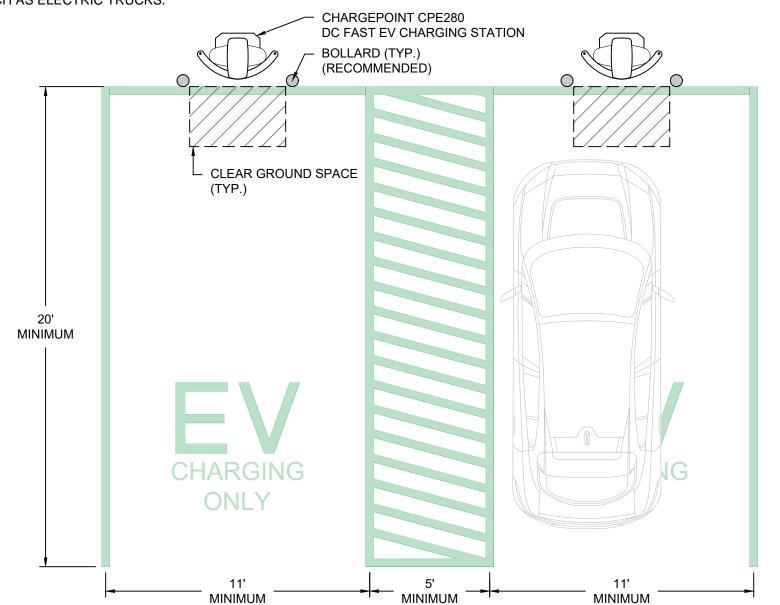
#### CHARGING SPACE LAYOUT CONSIDERATIONS

#### **DIMENSIONS**

SCALE: 1/4" = 1'

ELECTRIC VEHICLE (EV) CHARGING SPACES DESIGNED FOR DRIVERS WITH LIMITED MOBILITY SHOULD MEASURE 11' (132") WIDE BY 20' (240") LONG AT A MINIMUM TO PROVIDE ENOUGH SPACE TO ACCESS THE CHARGING STATION AND PLUG THE CHARGER'S CONNECTOR INTO THE VEHICLE'S CHARGING INLET. ADDITIONAL SPACE MAY BE NEED FOR LARGER VEHICLES, SUCH AS ELECTRIC TRUCKS.

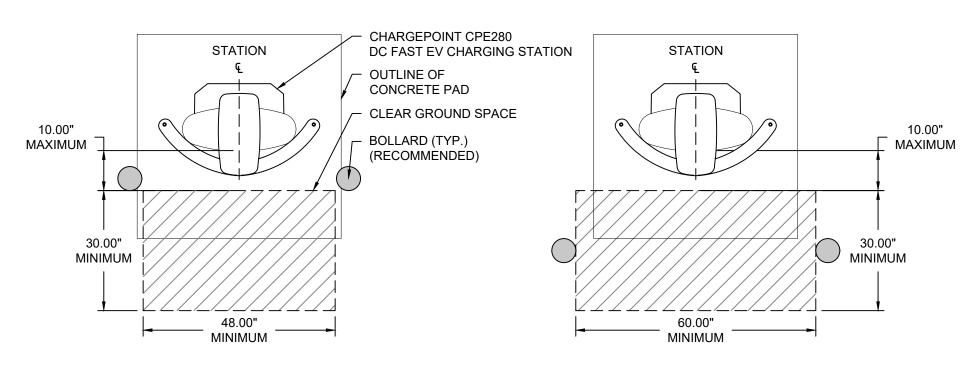


NOTE: MINIMUM DIMENSIONS SHOWN ARE RECOMMENDATIONS BASED ON INFORMATION PROVIDED BY THE U.S. ACCESS BOARD AND MAY NOT BE FEASIBLE FOR ALL PROJECTS. FOLLOW THE HYPERLINK TO THE U.S. ACCESS BOARD'S DOCUMENTATION IN THE REFERENCES SECTION OF THIS DOCUMENT.

# CLEAR GROUND SPACE & UNOBSTRUCTED SIDE REACH

SCALE: 1/2" = 1'

CLEAR GROUND SPACE, CENTERED ON THE CHARGEPOINT EV CHARGING STATION, MUST BE PROVIDED TO ALLOW ACCESSIBILITY FOR PEOPLE WHO USE MOBILITY AIDS (E.G., WALKERS, WHEELCHAIRS, ETC.). THE CLEAR GROUND SPACE MUST BE LOCATED ON AN ACCESSIBLE ROUTE AND MAY BE LOCATED WITHIN THE BOUNDARIES OF THE ACCESSIBLE CHARGING SPACE.



STANDARD CLEAR GROUND SPACE

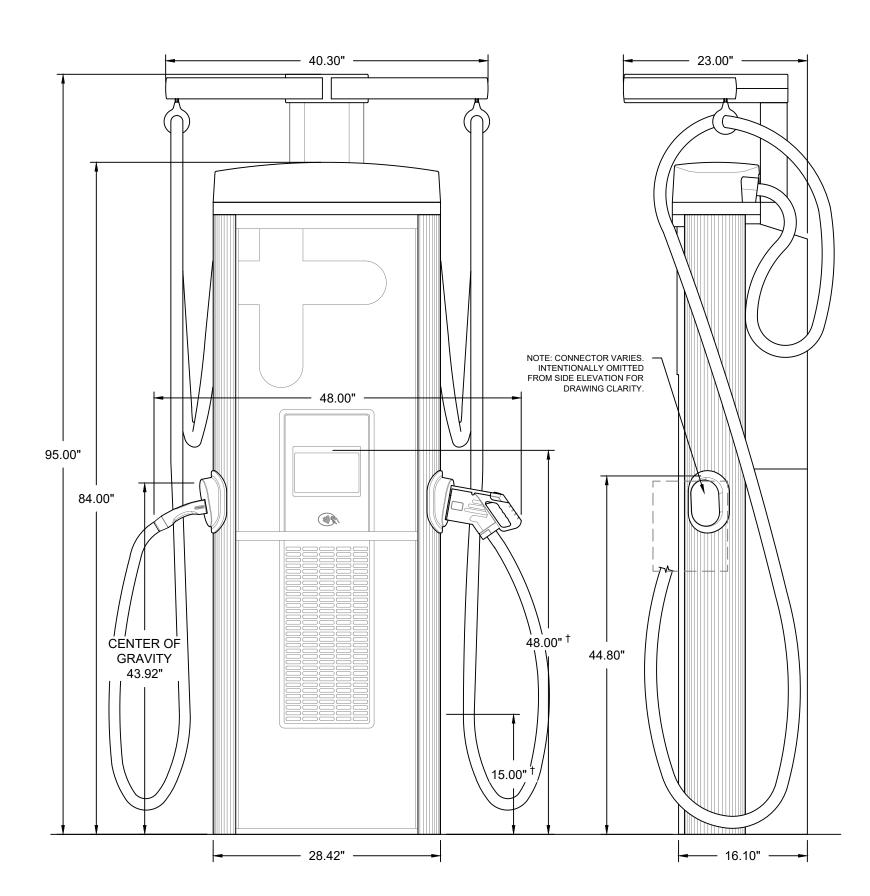
**CONFINED CLEAR GROUND SPACE** 

AT A MINIMUM, THE CLEAR GROUND SPACE SHOULD BE 30" X 48" AND POSITIONED FOR A PARALLEL APPROACH TO THE CHARGING STATION. THE BOUNDARY OF THE CLEAR GROUND SPACE SHOULD BEGIN NO FURTHER THAN 10" FROM THE FRONT OF THE CHARGEPOINT EV CHARGING STATION TO PROVIDE AN UNOBSTRUCTED SIDE REACH TO THE STATION'S OPERABLE PARTS.

IF THE DESIGNATED CLEAR GROUND SPACE IS CONFINED ON THREE SIDES AND OBSTRUCTED FOR MORE THAN HALF THE DEPTH ADDITIONAL SPACE IS REQUIRED - 30" X 60" MINIMUM.

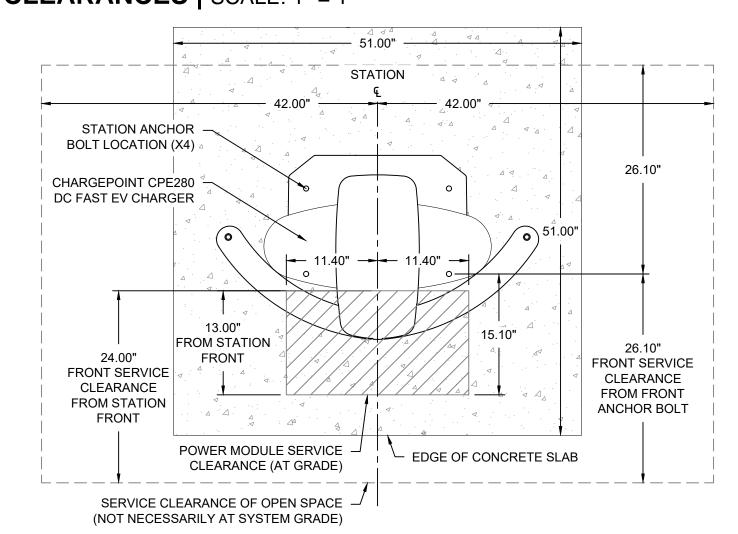
### **STATION DETAILS**

**ELEVATIONS** | SCALE: 1" = 1'

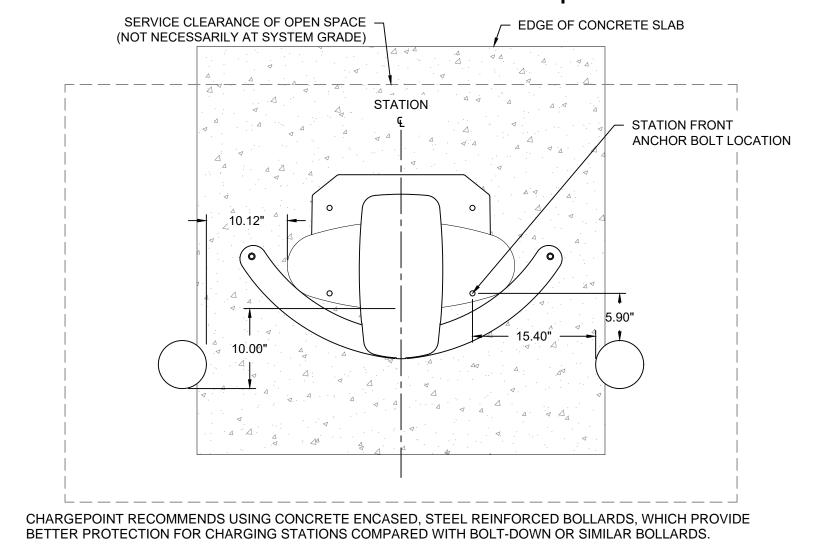


† DO NOT INSTALL THE STATION ON A RAISED CONCRETE PAD OR CURB FOR CHARGING SPACES RESERVED FOR PEOPLE WITH LIMITED MOBILITY. WHEN INSTALLED ON THE SAME PLANE AS THE CHARGING SPACE IT SERVES, THE STATION MEETS ADA REQUIREMENTS FOR AN UNOBSTRUCTED SIDE REACH (I.E., OPERABLE PARTS OF THE STATION, SUCH AS CONNECTORS AND THE PORTIONS OF THE DISPLAY THAT REQUIRE TOUCH INPUT, ARE NO HIGHER THAN 48" AND NO LOWER THAN 15" FROM THE BASE OF THE STATION).

## CLEARANCES | SCALE: 1" = 1'



### RECOMMENDED BOLLARD PLACEMENT | SCALE: 1" = 1'



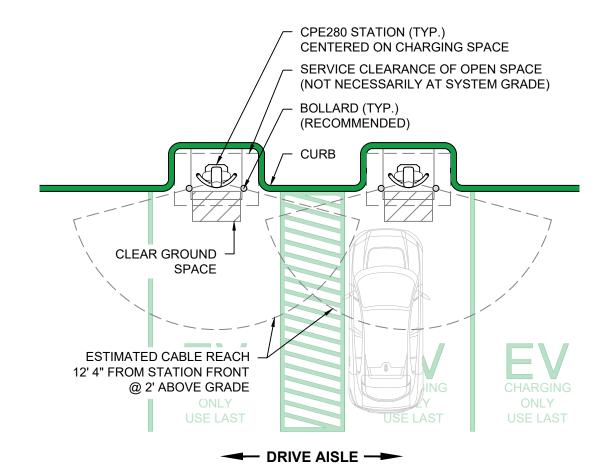
WHEEL STOPS SHOULD NOT BE USED FOR ACCESSIBLE CHARGING SPACES, AS THEY MAY IMPEDE THE

ACCESSIBLE PATH USED BY DRIVERS WITH MOBILITY LIMITATIONS.

CONCEPTUAL LAYOUTS | SCALE: 1/8" = 1'

CONCEPT #1:

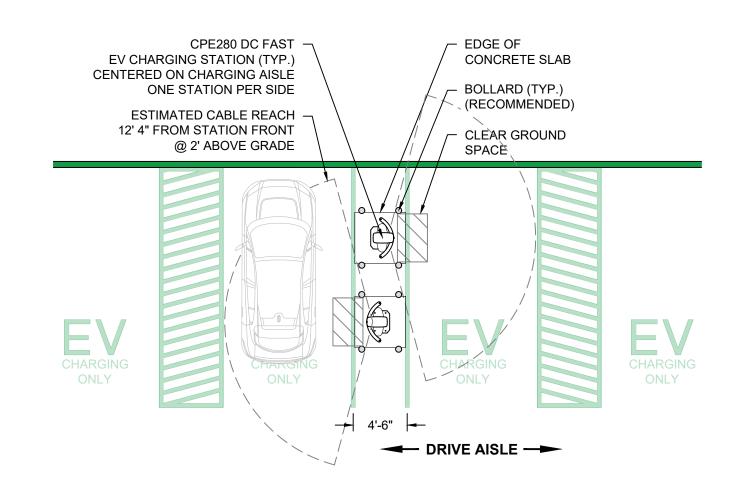
SQUARE IN CHARGING SPACES



FOR SQUARE-IN SPACES, INDIVIDUAL EV CHARGING STATIONS SHOULD BE PROVIDED FOR EACH ACCESIBLE CHARGING SPACE. STATIONS SHOULD BE MOUNTED ON THE SAME LEVEL AS THE CHARGING SPACE, WHICH MAY REQUIRE THE CURB TO BE CUT BACK.

### CONCEPT #2:

**CHARGING STATION AISLE** 



INSTEAD OF CUTTING BACK THE CURB TO PROVIDE SPACE TO MOUNT A CHARGING STATION, PROVIDE A CHARGING STATION AISLE BETWEEN ACCESSIBLE CHARGING SPACES ON THE OPPOSITE SIDE OF THE ACCESS AISLE.

THIS CONCEPT KEEPS ACCESS AISLES CLEAR WHILE STILL PROVIDING AN ACCESSIBLE ROUTE TO THE CHARGING STATIONS AND PLENTY OF SPACE FOR DRIVERS WITH LIMITED MOBILTY TO MANEUVER AROUND THEIR VEHICLES.

REFERENCES

ALL DETAILS AND RECOMMENDATIONS PROVIDED IN THIS DOCUMENT IS BASED ON THE INFORMATION PROVIDED BY THE U.S. ACCESS BOARD IN THE DOCUMENT TITLED "DESIGN RECOMMENDATIONS FOR ACCESSIBLE ELECTRIC VEHICLE CHARGING STATIONS" DATED JULY 17, 2023 AND/OR CHARGEPOINT'S INTERPRETATION OF SAID INFORMATION. ALWAYS FOLLOW LOCAL CODES AND REGULATIONS, WHICH MAY DIFFER FROM THE INFORMATION PROVIDED IN THIS DOCUMENT.

U.S. ACCESS BOARD DOCUMENTATION: https://www.access-board.gov/tad/ev/

# -chargepoin-

GLOBAL HEADQUARTERS 240 EAST HACIENDA AVENUE CAMPBELL, CA 95008 TEL: +1 (408) 841-4500

CONCEPT DRAWING NOT FOR CONSTRUCTION

DRAWING TITLE:
CHARGEPOINT CPE280
RECOMMENDATIONS

FOR ACCESSIBLE

DOCUMENT #: 33128002a

DATE: 10.22.25

DRAWN BY: CMT

SCALE: AS NOTED

SHEET:

1 OF 1