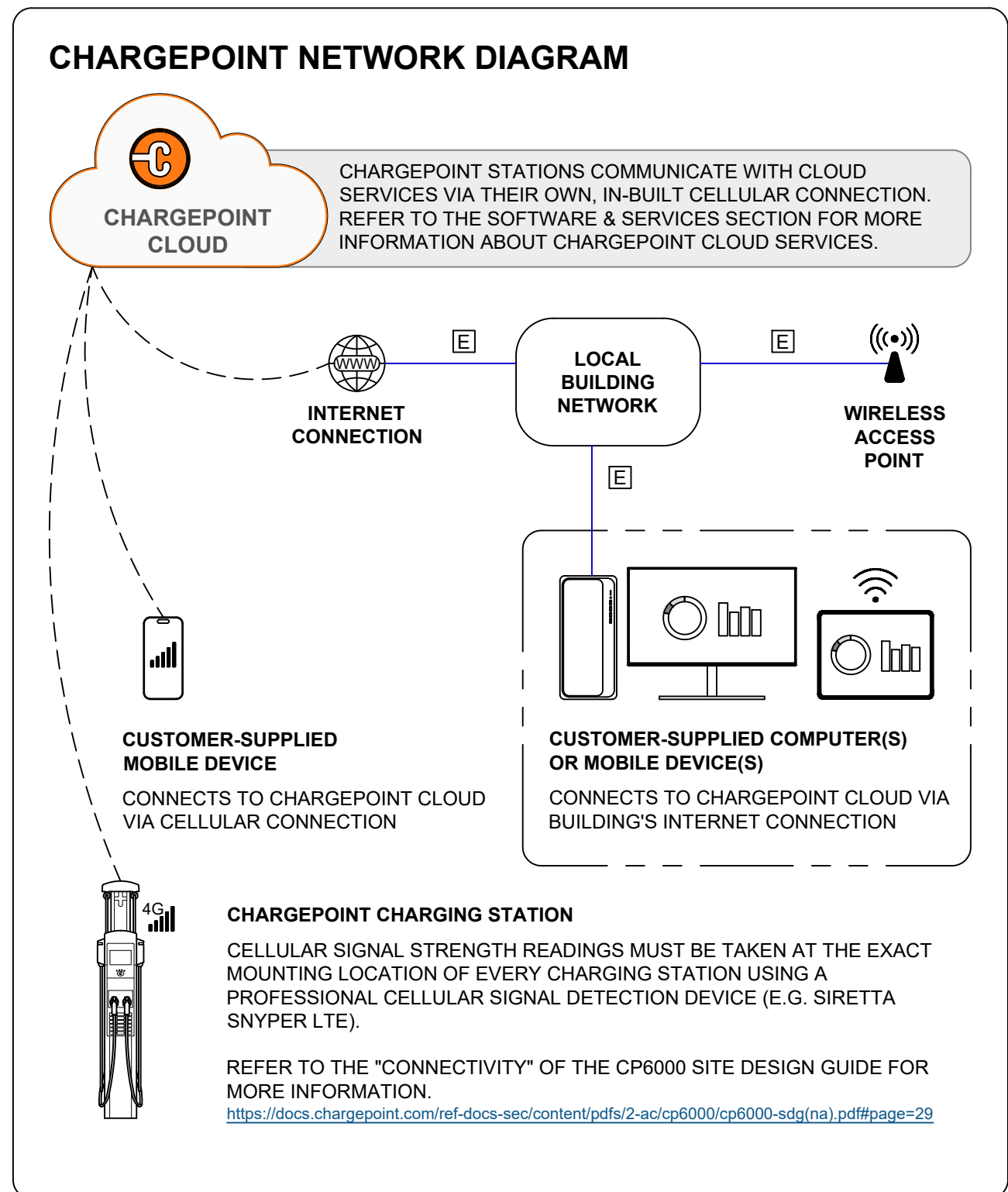


**TYPICAL LEVEL 2 EV CHARGING STATION - DEDICATED CIRCUIT PER STATION**  
REQUIRES CIRCUIT-LEVEL POWER MANAGEMENT VIA CHARGEPOINT SOFTWARE PER NEC 625.42



**CHARGEPOINT POWER MANAGEMENT**

**HIERARCHICAL POWER MANAGEMENT**

- ENABLES OVERSUBSCRIPTION OF TRANSFORMERS, PANELS, AND / OR CIRCUITS.
- 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:



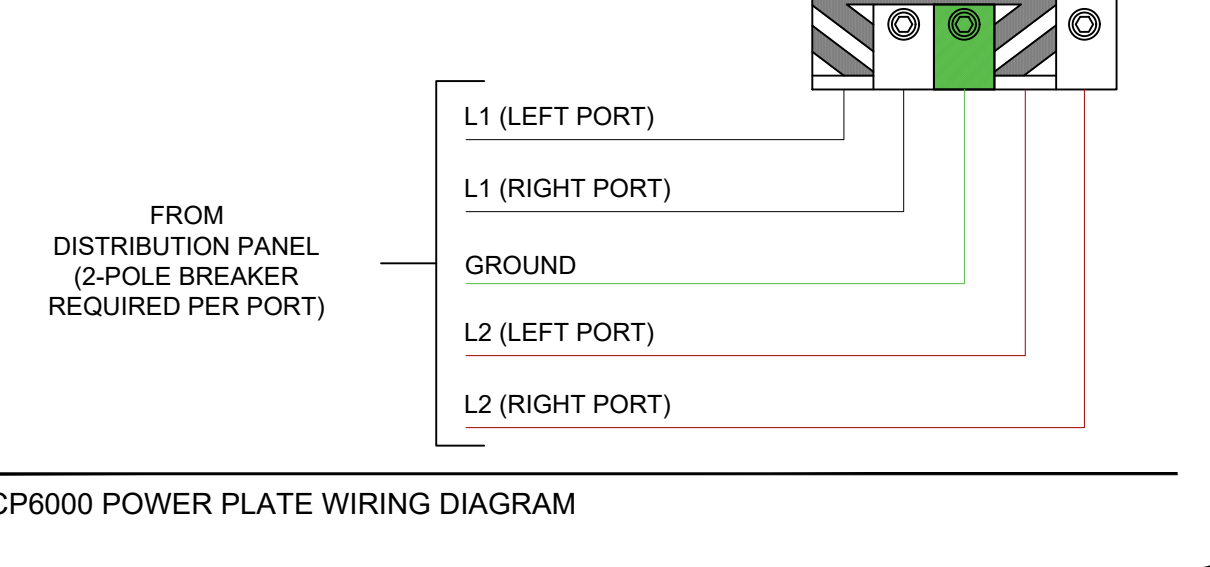
**RECOMMENDED EQUIPMENT SIZES**

| 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              |

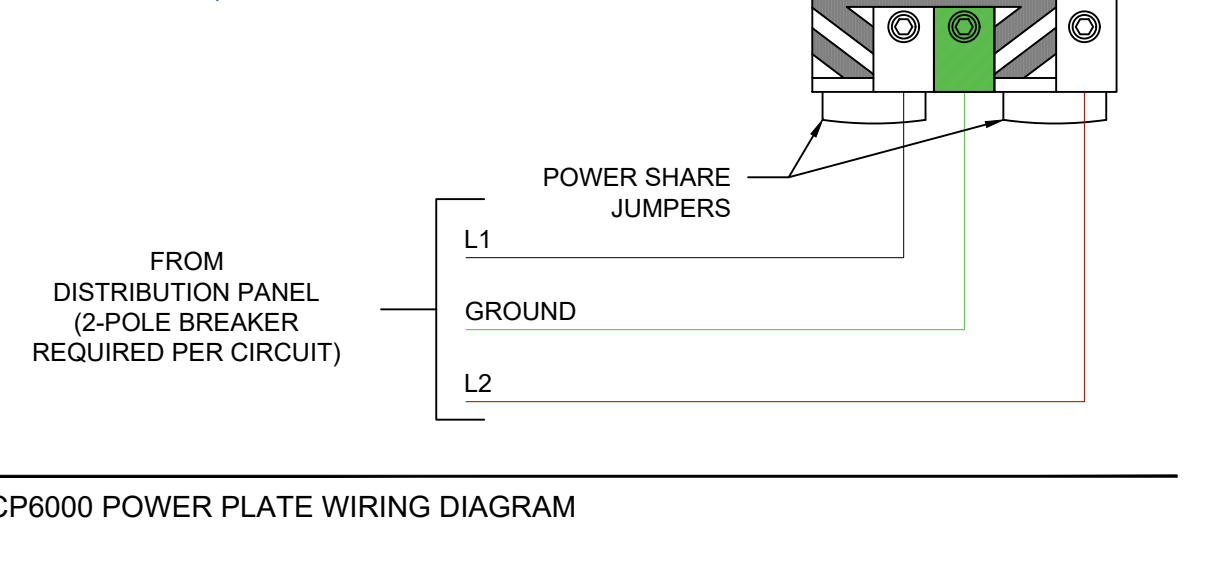
| RECOMMENDED MAIN BREAKER SIZING WITH PANEL-LEVEL POWER MANAGEMENT |                  |                   |           |  |
|---|------------------|-------------------|-----------|--|
| PANEL VOLTAGE:  |                  | 208 Y / 120 V     |           |  |
| BRANCH CIRCUIT BREAKER (PER PORT):      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

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

**DUAL CIRCUIT, DUAL PORT**



**SINGLE CIRCUIT, DUAL OR SINGLE PORT**



**LEGEND**

- AC POWER FEED FROM DISTRIBUTION
- (3) CONDUCTORS, MAX 1/0 AWG
- ETHERNET CONNECTION
- SAE J1772 CONNECTOR
- 4G LTE CELLULAR CONNECTION
- WIFI CONNECTION
- CHARGEPOINT CLOUD SERVICES
- SAE J3400 (NACS) CONNECTOR

**GENERAL NOTES**

- ALL OVERCURRENT PROTECTION DEVICES, CONDUCTORS, AND CONDUIT SIZES PROVIDED ON THIS DRAWING ARE PROVIDED BY CHARGEPOINT FOR REFERENCE ONLY. SITE SPECIFIC WIRE SIZING SHALL BE PERFORMED BY THE INSTALLATION CONTRACTOR TAKING INTO ACCOUNT LOCAL CONDITIONS AND CODES / STANDARDS.
- CHARGEPOINT PRODUCTS TO BE INSTALLED BY A LICENSED CONTRACTOR WITH CHARGEPOINT INSTALLER CERTIFICATIONS.
- FOR MORE INFORMATION ABOUT CHARGEPOINT'S CP6000 LEVEL 2 AC CHARGER, REFER TO THE FOLLOWING LINKS:
  - 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>

**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.

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 | ACTIVATION | REQUIRED |
|---|----------|------------|----------|
| INSTALLATION TO BE COMPLETED BY AN ENTITY HOLDING THE CP6000 INSTALLATION MICROCREDENTIAL* FROM CHARGEPOINT UNIVERSITY. |          |            |          |
| * CHARGEPOINT RECOMMENDS SELECTING A CHARGEPOINT AC CERTIFIED INSTALLER.  |          |            |          |

**WARRANTIES**

| CHARGEPOINT ASSURE®  | RECOMMENDED |
|--|-------------|
| 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 <a href="https://www.chargepoint.com/download-file/chargepoint-assure-brochure-us">https://www.chargepoint.com/download-file/chargepoint-assure-brochure-us</a> FOR MORE INFORMATION |             |
| *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.  |             |

CONCEPT DRAWING  
NOT FOR CONSTRUCTION

DRAWING TITLE:  
**CHARGEPOINT CP6000  
80A | PEDESTAL MOUNT**

TYPICAL SINGLE LINE DIAGRAM

DOCUMENT #: 12106002e  
DATE: 08.04.25  
DRAWN BY: CMT  
SCALE: N.T.S.

SHEET: