

GENERAL NOTES

ALL EQUIPMENT SHALL BE INSTALLED AND LABELED IN ACCORDANCE WITH AT LEAST THE 2017 NATIONAL ELECTRICAL CODE AND ALL APPLICABLE REQUIREMENTS OF THE SERVING ELECTRIC UTILITY COMPANY AND THE AUTHORITY HAVING JURISDICTION.

UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, EXCEPT AS NOTED OTHERWISE ON THE DRAWING. EXPOSED CONDUIT SHALL BE EMT, ENT OR RMC AS REQUIRED FOR THE ENVIRONMENT IN WHICH IT IS INSTALLED.

ALL OCPDS, CONDUCTORS AND CONDUIT SIZES STATED HERE 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. ALL CONDUCTORS SHALL BE COPPER.

CONTRACTOR SHALL PERFORM GPR AND TAKE ALL NECESSARY PRE-CAUTIONS TO WORK AROUND EXISTING UTILITIES. ALL PPE SHALL BE WORN AT ALL TIMES WHILE WORKING AROUND ENERGIZED EQUIPMENT. CONTRACTOR SHALL HAVE APPROPRIATE LICENSE WITH STATE.

TYPICAL SINGLE LINE SHOWN. SINGLE LINE MAY VARY DEPENDING ON PROJECT REQUIREMENTS AND/OR RESTRICTIONS.

SEE DESIGN GUIDE FOR MORE CONDUCTOR SIZES AND CONFIGURATIONS.

MAX CONDUIT AND WIRE SIZES CALLED OUT IN DESIGN.

NEW WORK KEYNOTES

- ① LISTING AGENCY NAMES AND NUMBERS TO BE INDICATED ON ALL ELECTRICAL EQUIPMENT PER NEC 110.3(B).
- ② EQUIPMENT MAY OR MAY NOT BE PRESENT IN FINAL DESIGN.
- ③ NEC 625.43 DISCONNECTING MEANS. FOR EQUIPMENT RATED 60A OR MORE THAN 150V TO GROUND, DISCONNECTING MEANS SHALL BE PROVIDED IN ACCORDANCE TO NEC 110.22, 110.25, AND 110.58.

LEGEND

- 480VAC 3-PHASE CONDUCTORS
- ETHERNET COMMUNICATION CABLE (CAT6 SHIELDED TWISTED PAIR)
- 200A, 600-1000 VDC +/- BUS A CONDUCTORS
- 200A, 600-1000 VDC +/- BUS B CONDUCTORS
- CHARGING CABLES
- NEW EQUIPMENT
- FUTURE EQUIPMENT
- OPTIONAL SHUNT TRIP CONDUCTORS
- Ⓜ CELLULAR MODEM INSIDE PROVIDES NETWORK CLOUD CONNECTIVITY

DEFINITIONS

- CPE : CHARGEPOINT CPE250 DISPENSER
- DCS : DISCONNECT SWITCH WHERE REQUIRED PER NEC 110.58
- DP-EV : DEDICATED EVSE ELECTRICAL PANELBOARD
- EVSE : ELECTRIC VEHICLE SUPPLY EQUIPMENT
- GND. : GROUND (GROUNDING CONDUCTOR)
- MAX. : MAXIMUM (MAXIMUM SIZE ALLOWED)
- MIN. : MINIMUM (MINIMUM SIZE ALLOWED)
- NEG. : NEGATIVE (NEGATIVE DC CONDUCTOR)
- POS. : POSITIVE (POSITIVE DC CONDUCTOR)
- STP : SHIELDED TWISTED PAIR

THIS PRINT IS NOT TO BE USED FOR CONSTRUCTION UNLESS NOTED AND SIGNED OKAY FOR CONSTRUCTION BELOW THE LAST REVISION.

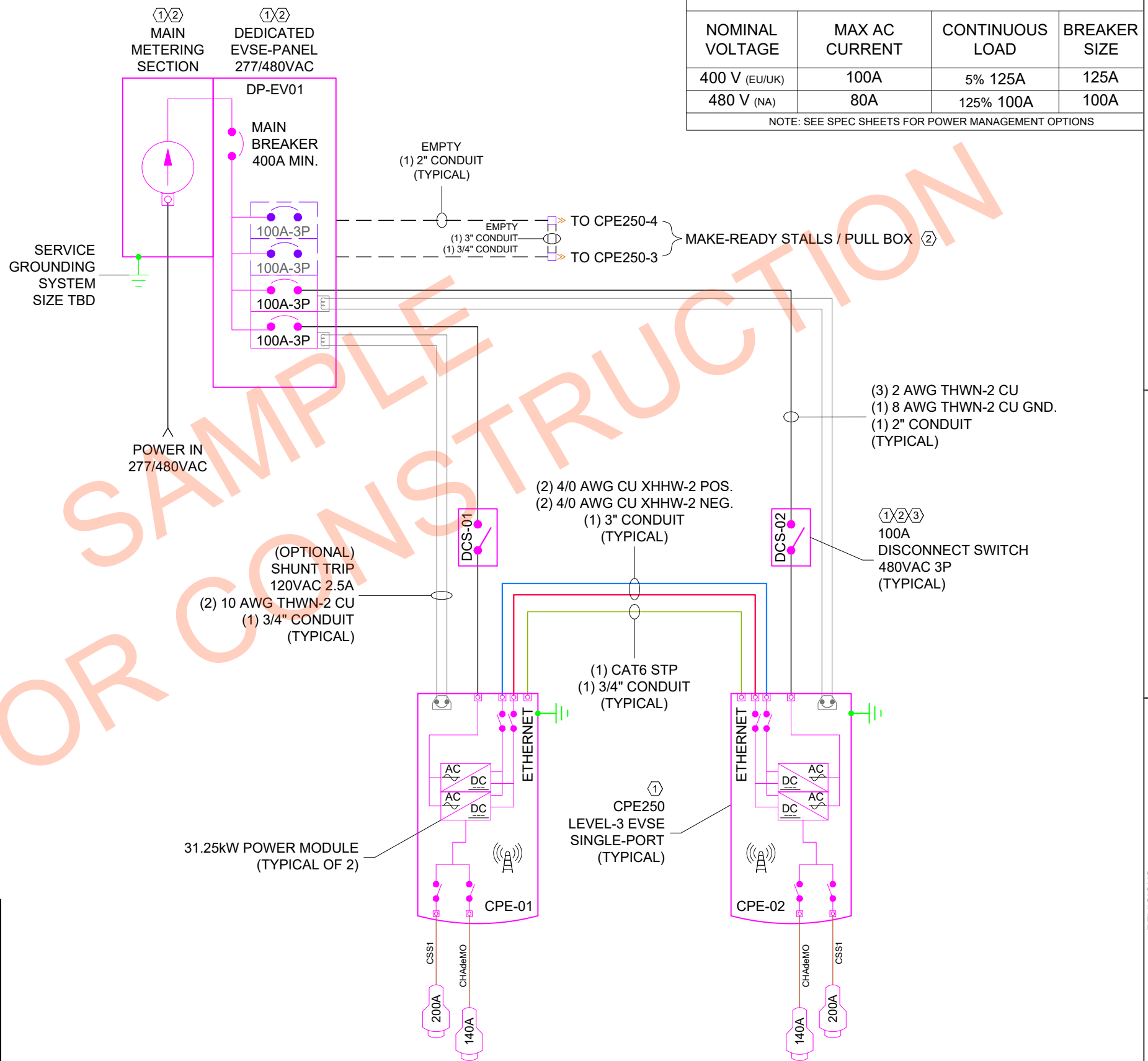
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CPE250 BREAKER SELECTION

NOMINAL VOLTAGE	MAX AC CURRENT	CONTINUOUS LOAD	BREAKER SIZE
400 V (EU/UK)	100A	5% 125A	125A
480 V (NA)	80A	125% 100A	100A

NOTE: SEE SPEC SHEETS FOR POWER MANAGEMENT OPTIONS



PROJECT: CHARGEPOINT SINGLE-LINE DIAGRAMS

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REVISIONS

REV. DESCRIPTION

DWG TITLE: PAIRED CPE250 SINGLE LINE DIAGRAM
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SCALE PRINT AT 11"x17"