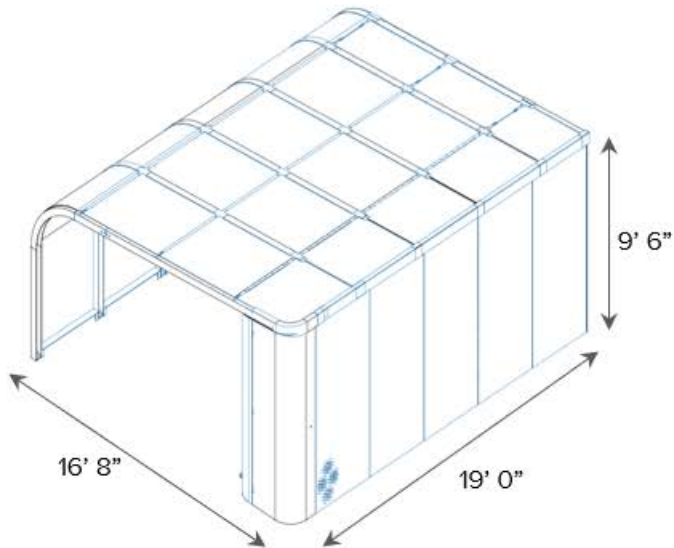


Ample Site Requirements (US version)



Energy Storage:

- Energy Chemistry: Lithium-ion (NMC)
- Energy Storage Capacity: up to 440 kWh

Electrical Specifications:

- Power (AC): 100 kW
- Voltage (AC): 3-phase 208/240V - 480V
- Current: 3-phase: 200 A service, 125 A typical
- Frequency: 50 / 60 Hz +/- 1%

Mechanical Specifications:

- Dimensions: 19' 0" (5782mm) x 16' 8" (5074mm) x 9' 6" (2901mm)
- Weight: 1,912 kg (4,215 lbs)
- Grading: < 2 degrees inclination

Environmental Specifications:

- Installation Location: Outdoor

Network and Compliance:

- Network Connection: Ethernet (preferred)/4G LTE
- Internet Speed: 10 mbps minimum

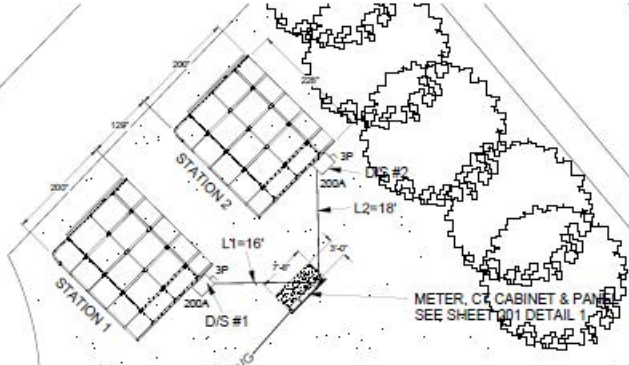
Adjacent space

- (Desired) 18' in front of station for easy turning radius
- 3" away from building structures or walls



AMPLE STATIONS 1 & 2
FACING BRISBANE VILLAGE SHOPPING CENTER

BAYSHORE BLVD.



METER, CT, CABINET & PANEL
SEE SHEET E201 DETAIL 1

SERVICE CABLE (NIUG)

(NEW) XFMR
150KVA IIE
277/480V 3PH

CONCRETE PAD
(106'x90')

BOLLARD (TYP 14)
SEE SHEET E201 DETAIL 3
FOR CLEARANCES REQUIREMENTS
○ R = REMOVABLE
● F = FIXED.

EXISTING STREET LIGHT

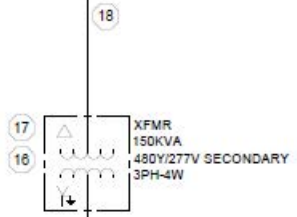
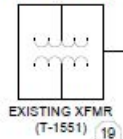
EXISTING STREET LIGHT

PG&E SERVICE LATERAL
CONDUCTORS.
(CONDUIT BY CONTRACTOR)

EXISTING XFMR
(T-1551)

SITE LAYOUT

FED FROM EXISTING UTILITY XFMR



ELECTRICAL LOAD CALCULATION

ELECTRICAL SPECIFICATIONS FOR AMPLE STATIONS:
 VOLTAGE INPUT (NOMINAL) 480 VAC
 FEED-IN TYPE 3-PHASE
 GRID FREQUENCY 60 HZ
 MAXIMUM POWER DRAW 100 KW
 POWER FACTOR 0.90

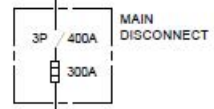
THEREFORE,

CONNECTED LOADS (KVA) FOR EACH STATION:
 STATION 1 = 1000.99 = 101 KVA
 STATION 2 = 1000.99 = 101 KVA

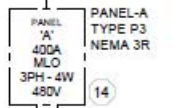
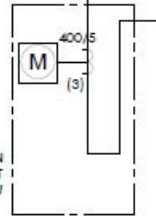
CONNECTED LOAD AMPERE (AMP) FOR EACH STATION:
 STATION 1 = 101(1.732*0.48) = 121A
 STATION 2 = 101(1.732*0.48) = 121A

DEMAND LOAD AMPERE (AMP) FOR EACH STATION:
 STATION 1 = 121 x 1.25 = 151A
 STATION 2 = 121 x 1.25 = 151A
 OCPD = 150A FOR EACH STATION

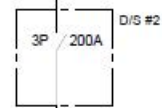
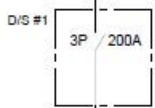
TOTAL DEMAND LOAD FOR (2) STATIONS = 151 x 2 = 302A



3" CNDT
(4) #350 KCMIL
(1) #2 EGC

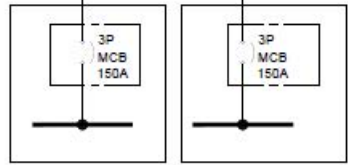


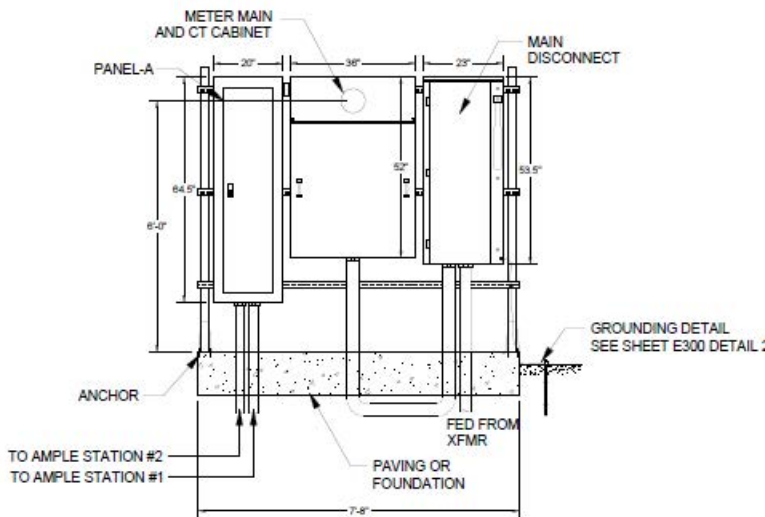
(2) 2 1/2" CNDT
(4) #2/0 AWG
1 #6 EGC



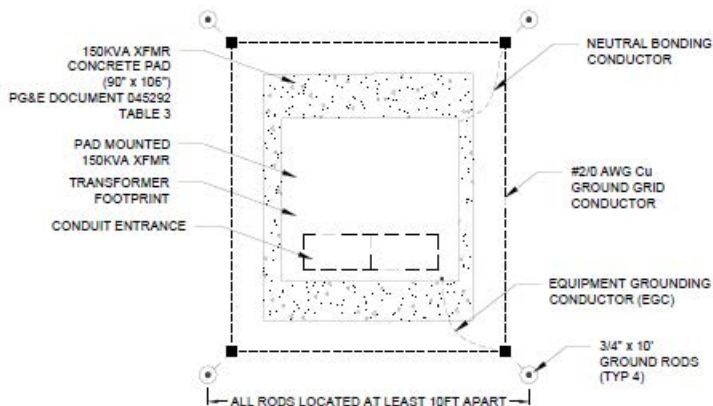
2 1/2" CNDT
(4) #2/0 AWG
(1) #6 EGC

2 1/2" CNDT
(4) #2/0 AWG
(1) #6 EGC





1 EQUIPMENT ELEVATION DETAIL
 E201 SCALE: 3/4" = 1'-0"



2 150KVA XFMR PAD GROUNDING DETAIL
 E201 SCALE: 1/2" = 1'-0"