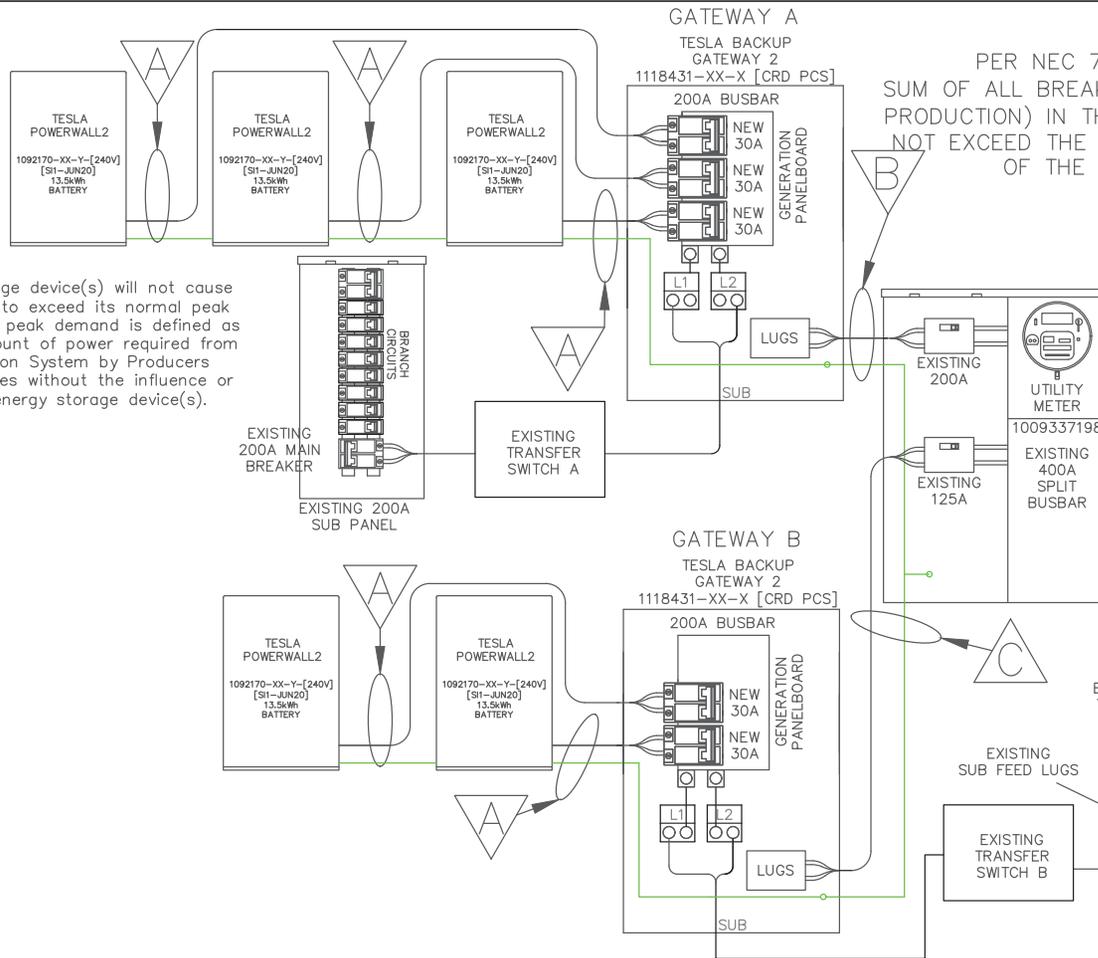


Producers storage device(s) will not cause the Host Load to exceed its normal peak demand. Normal peak demand is defined as the highest amount of power required from the Distribution System by Producers complete facilities without the influence or use of the energy storage device(s).



PER NEC 705.12(A)  
SUM OF ALL BREAKERS (LOAD AND PRODUCTION) IN THE PANEL SHALL NOT EXCEED THE BUSBAR RATING OF THE PANEL

BATTERIES CONNECTED TO GATEWAY A WILL CHARGE FROM GRID.

BATTERIES CONNECTED TO GATEWAY B WILL CHARGE FROM EXISTING SOLAR.

BATTERIES CONNECTED TO GATEWAY A WILL BACK UP ALL LOADS IN EXISTING 200A SUB PANEL:

BATTERIES CONNECTED TO GATEWAY B WILL BACK UP ALL LOADS IN EXISTING 125A SUB PANEL:

- 50A SPA
- 30A WATER HEATER
- 30A RANGE
- 30A OVEN
- 30A OVEN
- 30A DRYER
- 21 x 20A LIGHTS & PLUGS
- 6 x 15A LIGHTS & PLUGS

- 100A HEATER
- 20A AC
- 20A AC
- 4 x 20A LIGHTS & PLUGS
- 15A LIGHTS & PLUGS

△ Conductors and Conduit △

Module to Inverter Inverter to SUB	Existing Sub to Gateway (A or B)	A: BAT to Gateway (A or B)	B: Gateway A to MSP	C: Gateway B to MSP
Existing Wires	Existing Wires	THHN/THWN-2 (1) #10 (Black) (1) #10 (Red) (1) #10 (White) (1) #8 (Green) 3/4" EMT Conduit	THHN/THWN-2 (1) #3/0 (Black) (1) #3/0 (Red) (1) #3/0 (White) (1) #4 (Green) 2" EMT Conduit	THHN/THWN-2 (1) #1 (Black) (1) #1 (Red) (1) #1 (White) (1) #6 (Green) 1.25" EMT Conduit

NEC 705.12(A)

**WARNING**

TOTAL RATING OF ALL OVERCURRENT DEVICES EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE SHALL NOT EXCEED AMPACITY OF BUSBAR

COLOR: RED

