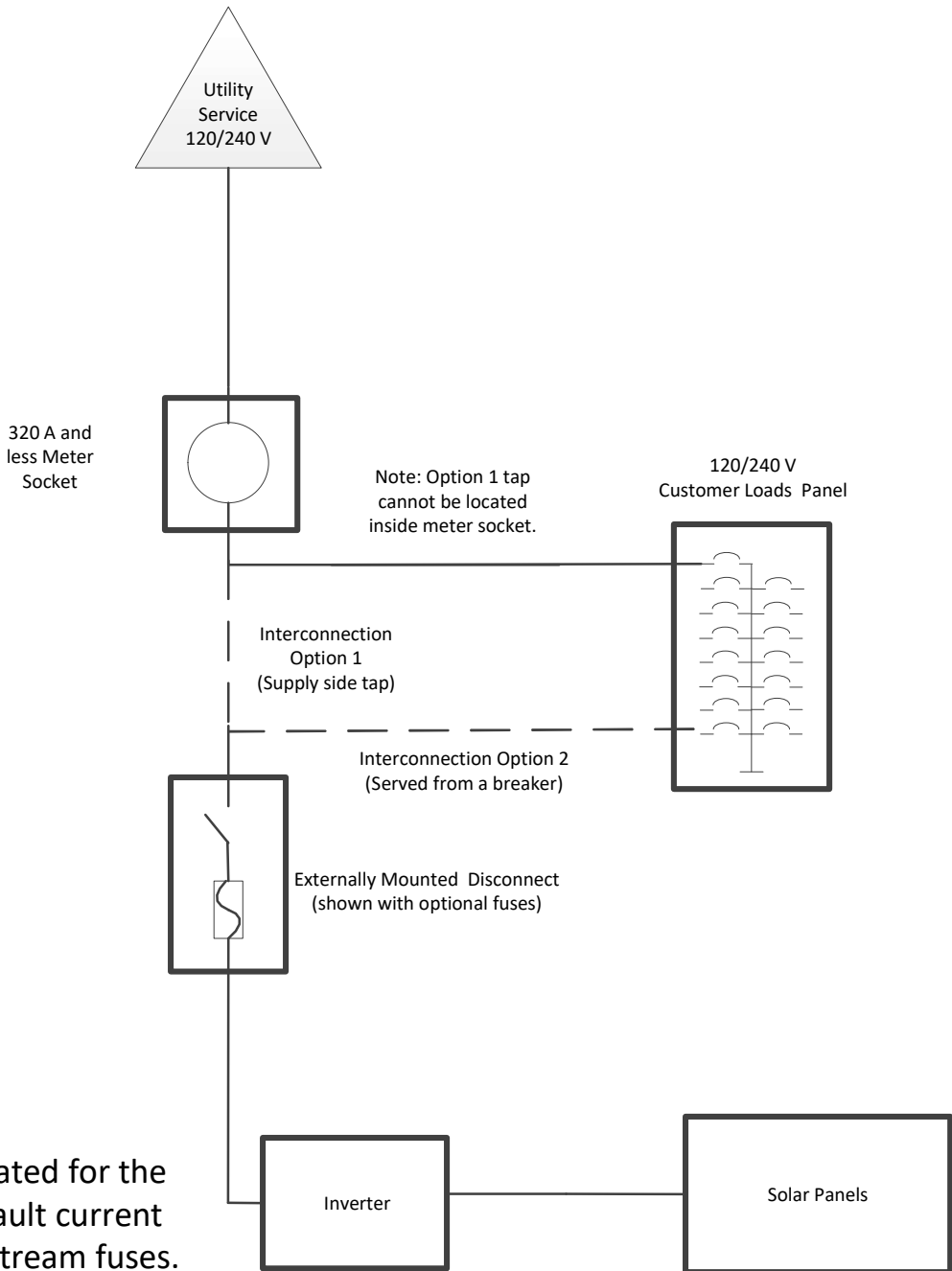


WPS overhead service - customer owned generation solar one-line diagrams

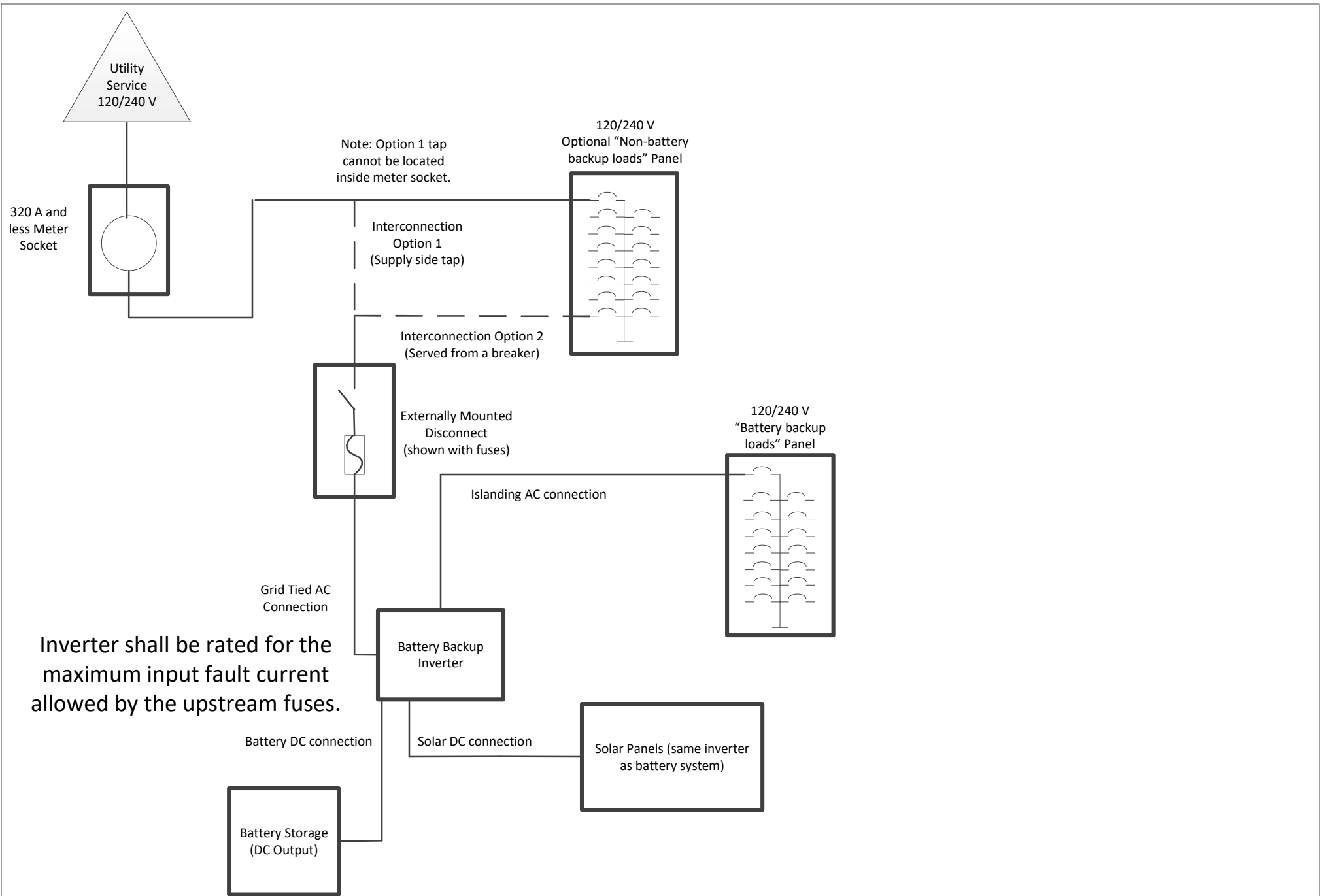
- The inverter shall be UL 1741 compliant.
- The external disconnect shall provide a visible open between its contacts, have the ability to be locked in the open position and have 24/7 ready access for utility workers.
 - Breakers (including breakers integrated in metering equipment) and air conditioner “pull out” disconnects are not acceptable.
- If the PV Disconnect Switch is not located within sight of the Utility Meter, a placard must be placed at both the meter and disconnect switch indicating the location with respect to the other.
- Please list the one-line diagram number (example: “O3”) that is referenced on the submitted one-line diagram.
- Example one-line diagrams show the minimum required alternating current disconnects.
- One-line diagram must meet the minimum requirements of PSC 119.10
- One-line diagram should be located near metering equipment and protected from the environment.
 - A one-line diagram must be posted onsite for energy storage systems or systems with multiple disconnect switches.
- All new service entrance equipment shall have a minimum short circuit current rating or ampere interrupting capacity (SCCR/AIC) of 22kA.
- Any load additions using supply side taps shall not exceed the service capacity.



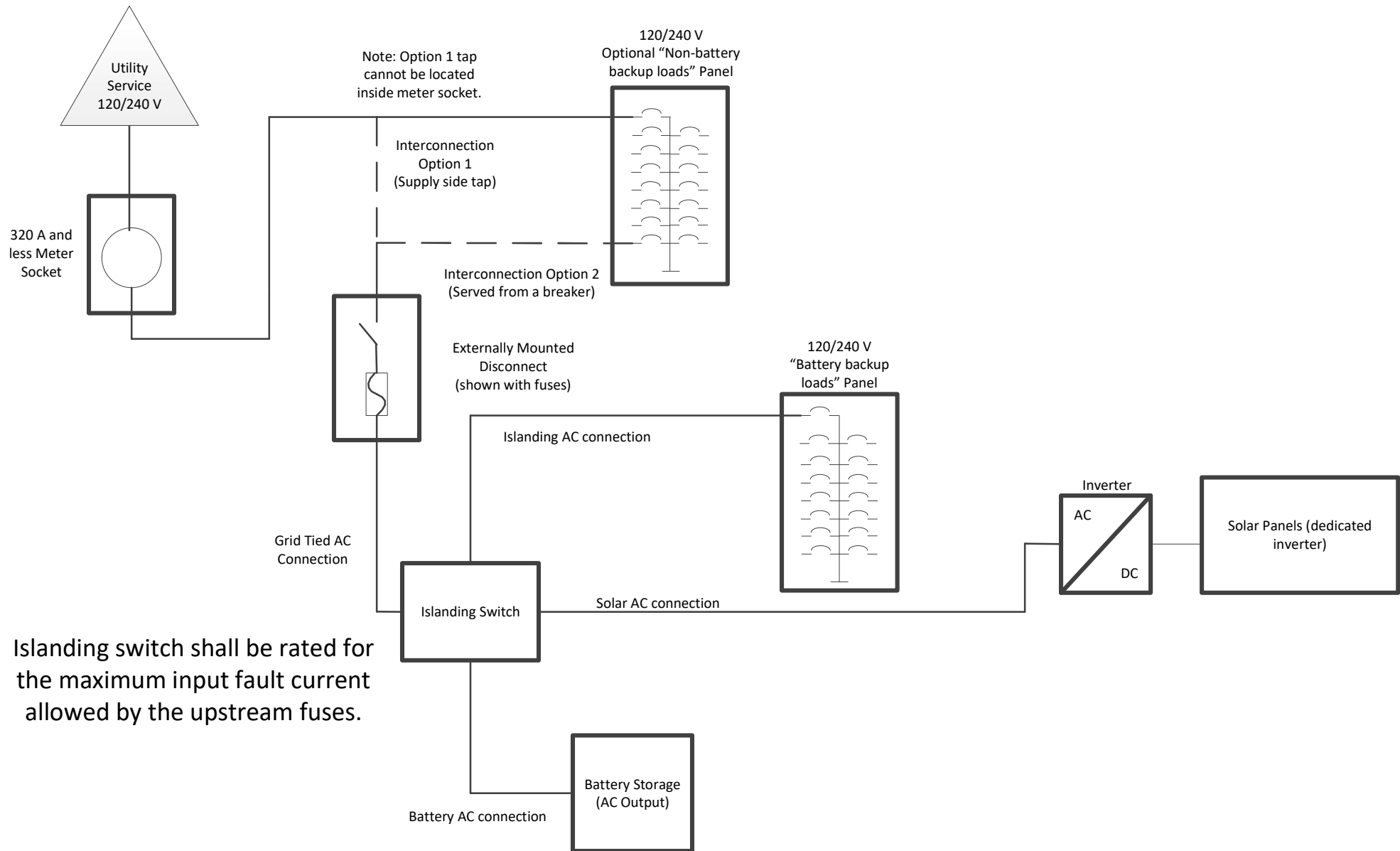
Inverter shall be rated for the maximum input fault current allowed by the upstream fuses.

Note: One-line diagram must show the metering equipment and disconnect catalog numbers.

One Line Diagram – O1		
Solar with a 200A and less meter socket (320A and less, 240V 3-wire single phase service)		
Drawn: N. Bushman	Date: 3/21/2022	Page 1 of 8



Note: One-line diagram must show the metering equipment and disconnect catalog numbers.

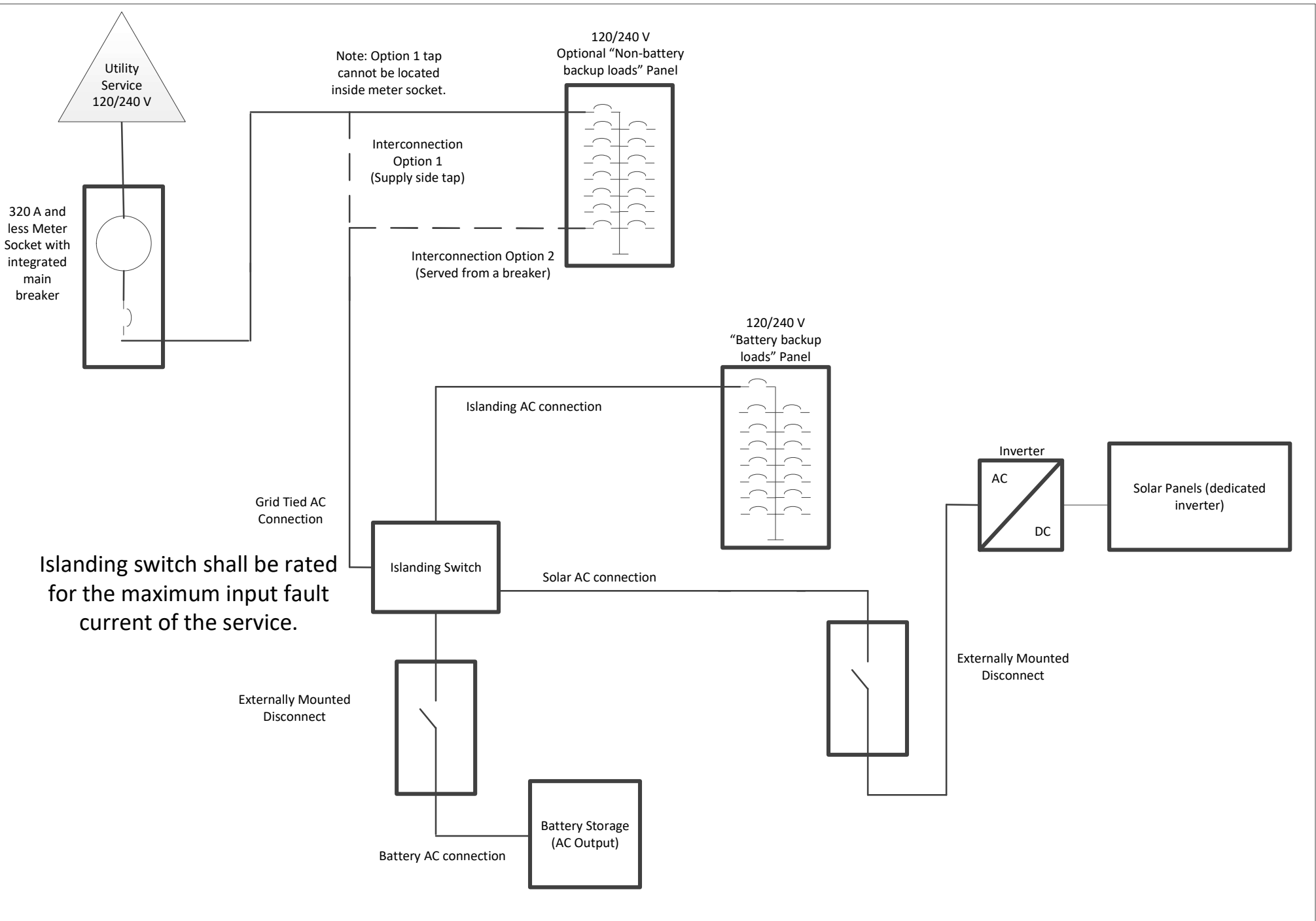


Islanding switch shall be rated for the maximum input fault current allowed by the upstream fuses.

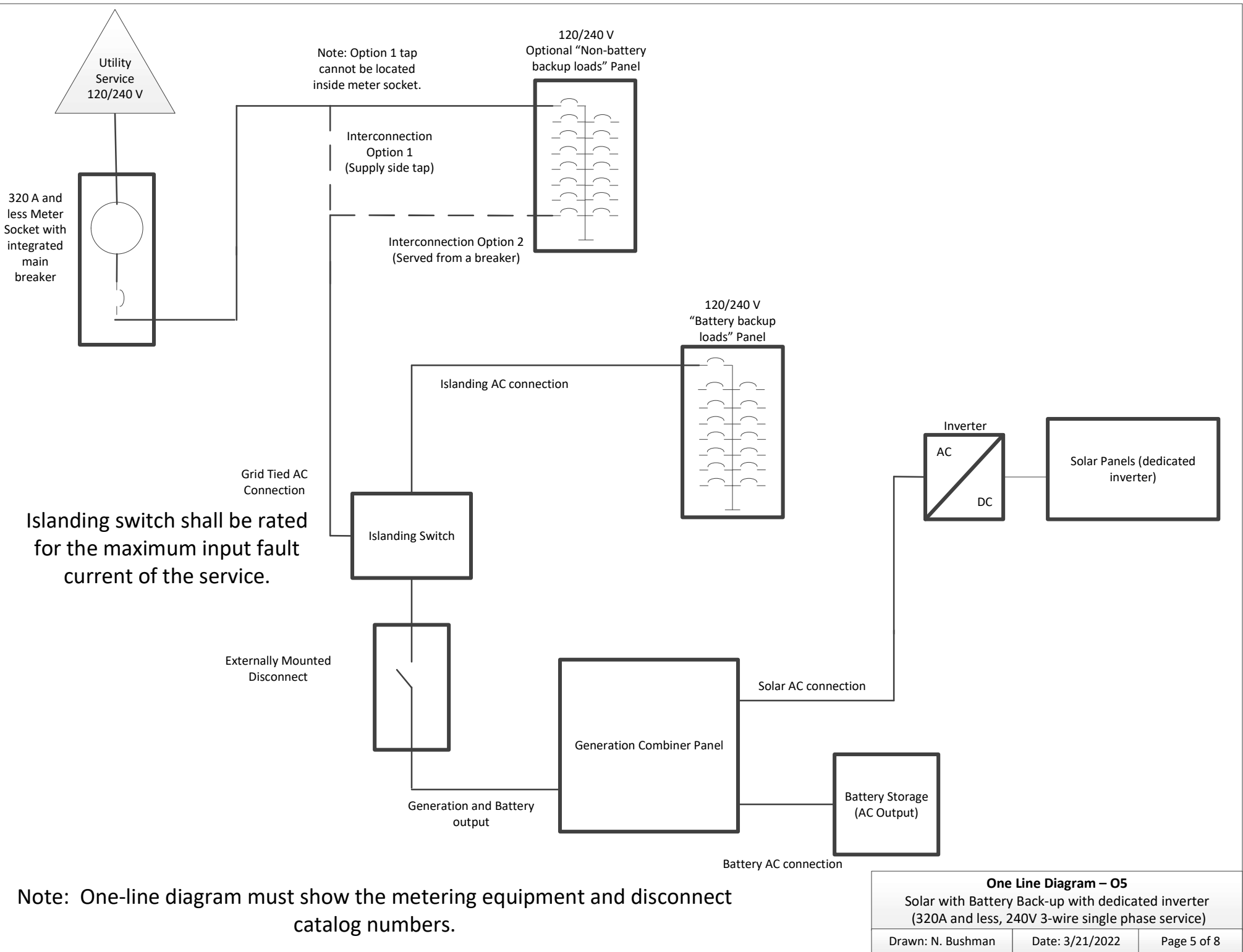
Note: One-line diagram must show the metering equipment and disconnect catalog numbers.

One Line Diagram – O3

Solar with Battery Back-up with dedicated inverter
(320A and less, 240V 3-wire single phase service)

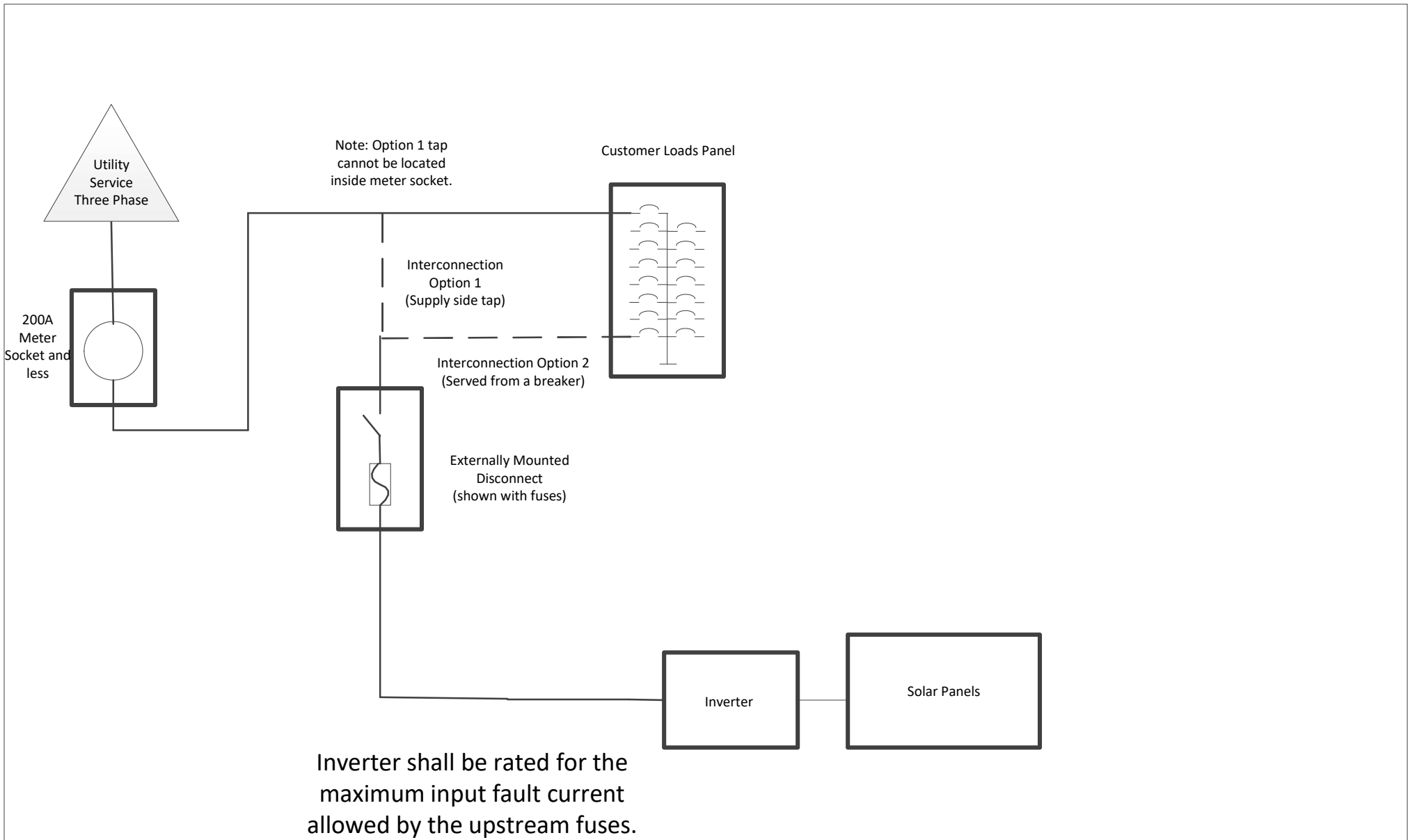


Note: One-line diagram must show the metering equipment and disconnect catalog numbers.

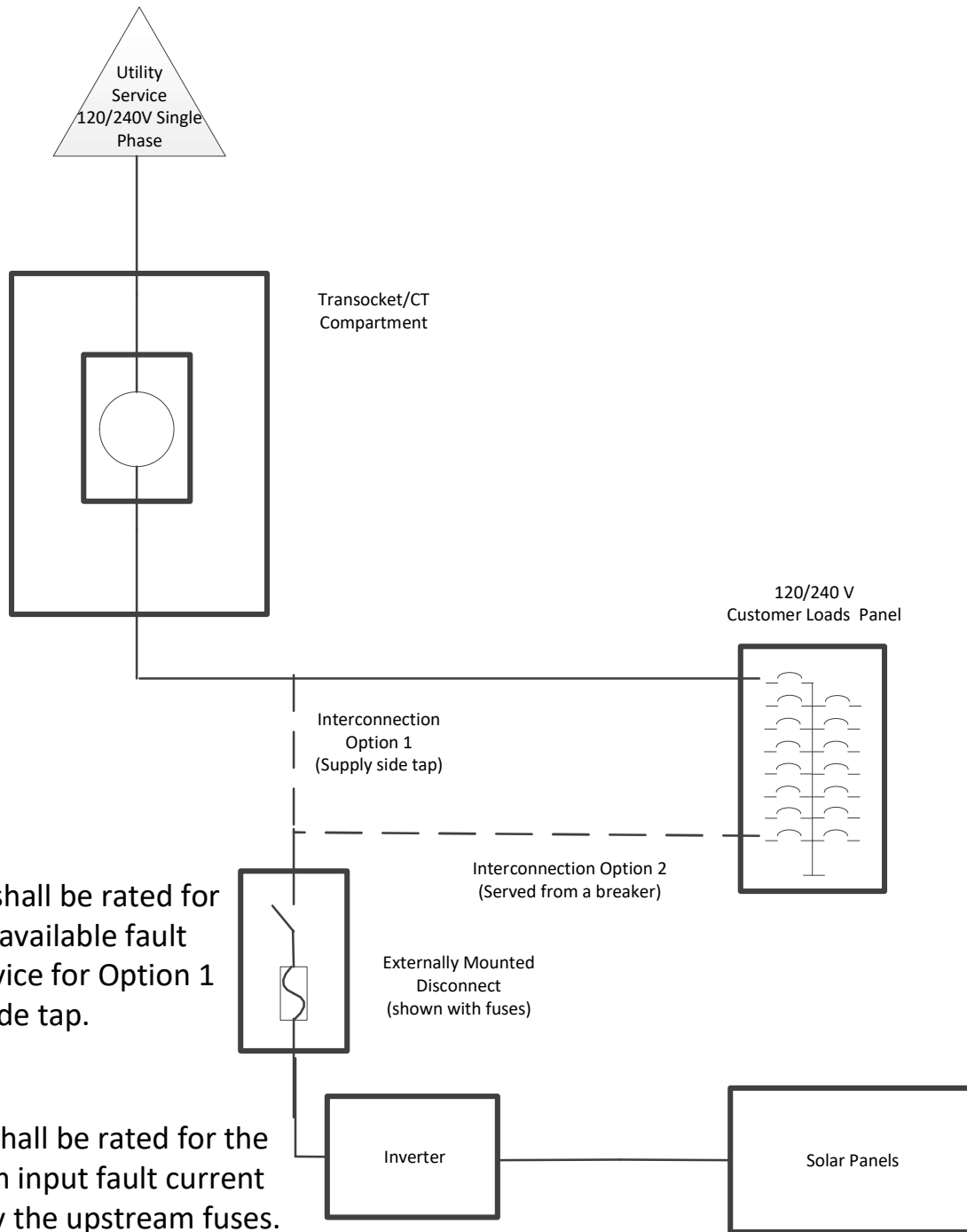


Note: One-line diagram must show the metering equipment and disconnect catalog numbers.

One Line Diagram – O5		
Solar with Battery Back-up with dedicated inverter (320A and less, 240V 3-wire single phase service)		
Drawn: N. Bushman	Date: 3/21/2022	Page 5 of 8



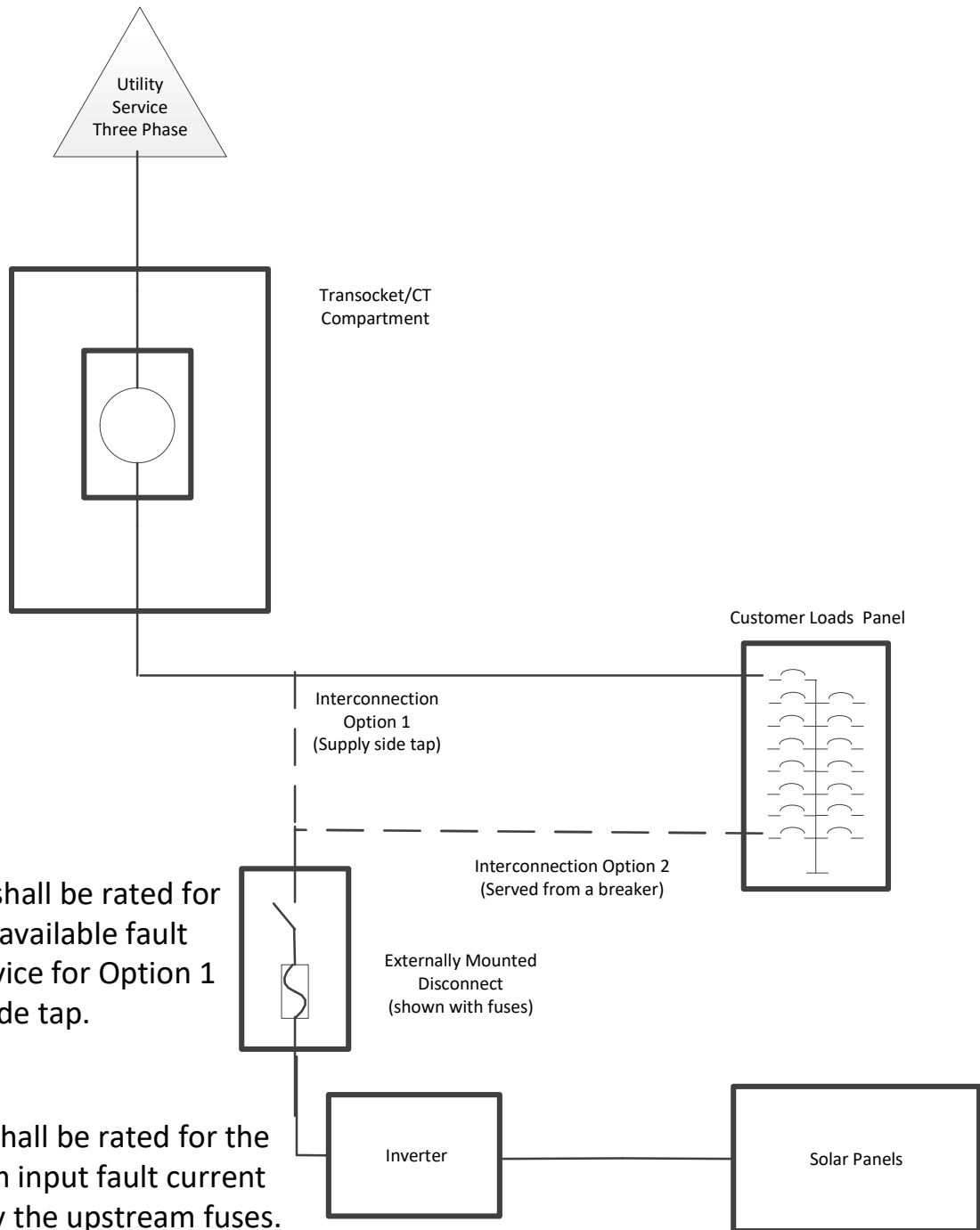
Note: One-line diagram must show the metering equipment and disconnect catalog numbers.



Fused disconnect shall be rated for the guaranteed available fault current of the service for Option 1 supply side tap.

Inverter shall be rated for the maximum input fault current allowed by the upstream fuses.

Note: One-line diagram must show the metering equipment and disconnect catalog numbers.



Fused disconnect shall be rated for the guaranteed available fault current of the service for Option 1 supply side tap.

Inverter shall be rated for the maximum input fault current allowed by the upstream fuses.

Note: One-line diagram must show the metering equipment and disconnect catalog numbers.