

ADDRESS:

TUCSON, AZ  
AHJ: PINAL COUNTY

PROJECT: BATTERY STORAGE [13.5KWH]  
[3-LINE ELEC. DIAGRAM]

A.C. BATTERY CALCS

MAX CURRENT:  $21.0A * 1.25 = 26.25A$   
#10s AMPACITY:  $40A * 0.87 = 32.8A$

SEE PERMIT [REDACTED]  
A.C. CALCS AFTER BATTERY  
SUBPANEL

A.C. CALCS FOR 150A  
SERVICE FEEDERS

SEE PERMIT #PER19-03729

TESLA CAR CHARGER A.C. CALCS

MAX CURRENT:  $48.0A * 1.25 = 60.0A$   
#6s AMPACITY:  $75A * 0.87 = 65.3A$  (Max 102 ft)

Powerwall Specs  
Total Energy = 14kWh  
Usable Energy = 13.5KWH  
Nominal Continuous Power = 5KW  
AC Nominal Voltage = 120/240V

DRAWN BY	LINE DIAGRAM 2402
SO	
SITE VISIT	
DATE	06-08-2020
REV. 0	
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REV. 100	



NOTES:  
1. Not Used  
2. Per NEC 310.15(B)(16) @90C  
3. Per NEC 310.15(B)(2)(a)  
4. Per NEC 310.15(B)(3)(a)  
5. Not Used  
6. Per NEC 310.15(B)(1)  
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SHALL COMPLY w/ 2017 NEC REQUIREMENTS

