PROJECT: XXXX PHOTOVOLTAICS
5.63kW DC & 4.80kW AC

[plot]

System Summary

Modules (15):
15 LG 375A1C-V5 (AC)

ADDRESS:

GENERAL NOTES:
1. EQUIPMENT PLACEMENT COMPLIES
   w/ #TEP SR-304 & SR-405.
2. DG METER & ASSOC. AC
   DISCONNECT SHALL BE WITHIN 10'-0"
   OF MAIN SERVICE ENTRANCE.

UTILITY: TEP
REFERENCE CODES:
NEC 2017, IRC 2018, IBC 2018, IFC 2018
& AHJ'S LOCAL AMENDMENTS

PV PLOT

SITE VISITOR

XX

DRAWN BY

DATE

4-5-2021

REV.

0

R.O.C.
**Branch Circuit 1 AC Calc**

8 Microinverters; Total of 10.64A * 1.25 = 13.30A

#10: AMPACITY: 40A * 0.874 * 0.803 = 27.8A

(Max 91 ft)

**Branch Circuit 2 AC Calc**

7 Microinverters; Total of 9.31A * 1.25 = 11.64A

#10: AMPACITY: 40A * 0.874 * 0.803 = 27.8A

(Max 104 ft)

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**Total PV AC Current:**

20.0A * 1.25 = 24.9A

#10: AMPACITY: 40A * 0.874 = 34.8A (Max 48 ft)

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**NOTES**

1. Per NEC 690.8(A)(1) & 690.8(B)(1)
2. Per NEC 310.15(B)(16) @ 90°C
3. Per NEC 310.15(B)(2)(a)
4. Per NEC 310.15(B)(3)(a)
5. Per NEC 690.7
6. Per NEC 215.2(A)(1)
7. Per NEC 240.4(B)

**INSTALLATION SHALL COMPLY w/ 690.12 & APPLICABLE 2017 NEC REQUIREMENTS**