

This Sample Drawing Is for Illustration purposes only and is not to be used for design or construction. This drawing and its suitability for end use is not implied. The intent is only to illustrate typical minimum information required at time of application to SRP. Additional information may be required.

NOTES:

- 1 Equipment shall be installed in accordance with the NEC and all applicable requirements of the serving electric utility company and of the local authority having jurisdiction.
- 2 Bi-directional utility meter to be installed by utility company (WHEN REQUIRED).
- 3 Label breaker "Photovoltaic Electric Power Source" per NEC 705.10 and "Breakers Are Backfed" per NEC 690.64(b)(5). Label with the maximum AC output operating current and the operating voltage per NEC 690.54.
- 4 Label per SRP ESS 11-91, "Utility/PV AC Disconnect Switch". Switch cover to be locked at all times. Switch to be visible blade and accessible per utility requirements and conform to NEC 705.22.
- 5 Label "Photovoltaic Array DC Disconnect Switch" per NEC 690.14(c)(2). Label with operating current, operating voltage, maximum system voltage, and short circuit current per NEC 690.53. Switch to be locked per NEC 690.7(d).
- 6 Label per SRP ESS 11-91, "Photovoltaic Meter"
- 7 Provide warning sign per NEC 650.17 reading "Warning - Electric Shock Hazard - Do Not Touch Terminals - Terminals On Both Line And Load Sides May Be Energized In The Off Position".
- 8 Listing agency names and numbers to be indicated on power inverter and solar modules per NEC 110.3(b).
- 9 Metallic conduit shall be used within building per NEC 690.31(e).
- 10 Label per SRP ESS 11-91, "No Load to be Served by this Panel".
- 11 GEC TO BE INSTALLED AS PER REQUIRED BY MANUFACTURER INSTRUCTION AND NEC 690.47.
- 12 Caution Solar Electric System connected. PV Meter and Utility/PV AC Disconnect Switch Located on (*)

(*) Customer to provide location. Example: Garage East Wall.

SAMPLE ELECTRICAL THREE - LINE DIAGRAM

ABC SOLAR COMPANY, INC.
 1234 South Main Street
 Any City Arizona 85123
 Tel: 602-555-5555

APPROVALS	DATE
DRAWN ABC	04-20-04
CHECKED	
ENGINEER	
M.G.R.	
REV. C	01-29-07

ABC PROJECT #1111-9999

SIZE	CODE	INTENT NO.	DRAWING NO.
A			000-0005

DO NOT SCALE DRAWINGS

SCALE NA REV. C SHEET 1 OF 1

4.8 KW PHOTOVOLTAIC SYSTEM
 999 N. CACTUS BIRD RD
 ANY CITY, AZ 85123

20,384 WATT DC - 3 PHASE
 3 LINE DRAWING
 NO SCALE

NOTES:

REV.	DESCRIPTION	DATE
C	NOT FOR CONSTRUCTION	01-29-07

Equipment shall be installed in accordance with the NEC and all applicable requirements of the section, including the local authority having jurisdiction. Bi-directional utility meter to be installed by utility company.

Label Breaker "Photovoltaic Electric Power Source" per NEC 705.10 and "Breakers are Backfed" per NEC 690.64(B)(5). Label with the maximum AC output operating current and the operating voltage per NEC 690.54.

Label per SRP ESS 11-91, "Utility/PV AC Disconnect Switch". Switch cover to be locked at all times. Switch to be visible blade and accessible per utility requirements and conform to NEC 705.22. This one is empty.

Label per SRP ESS 11-91, "Photovoltaic Meter"

Provide warning sign per NEC 650.17 reading "Warning - Electric Shock Hazard - Do Not Touch Terminals - Terminals on Both Line and Load Sides May Be Energized in The Off Position".

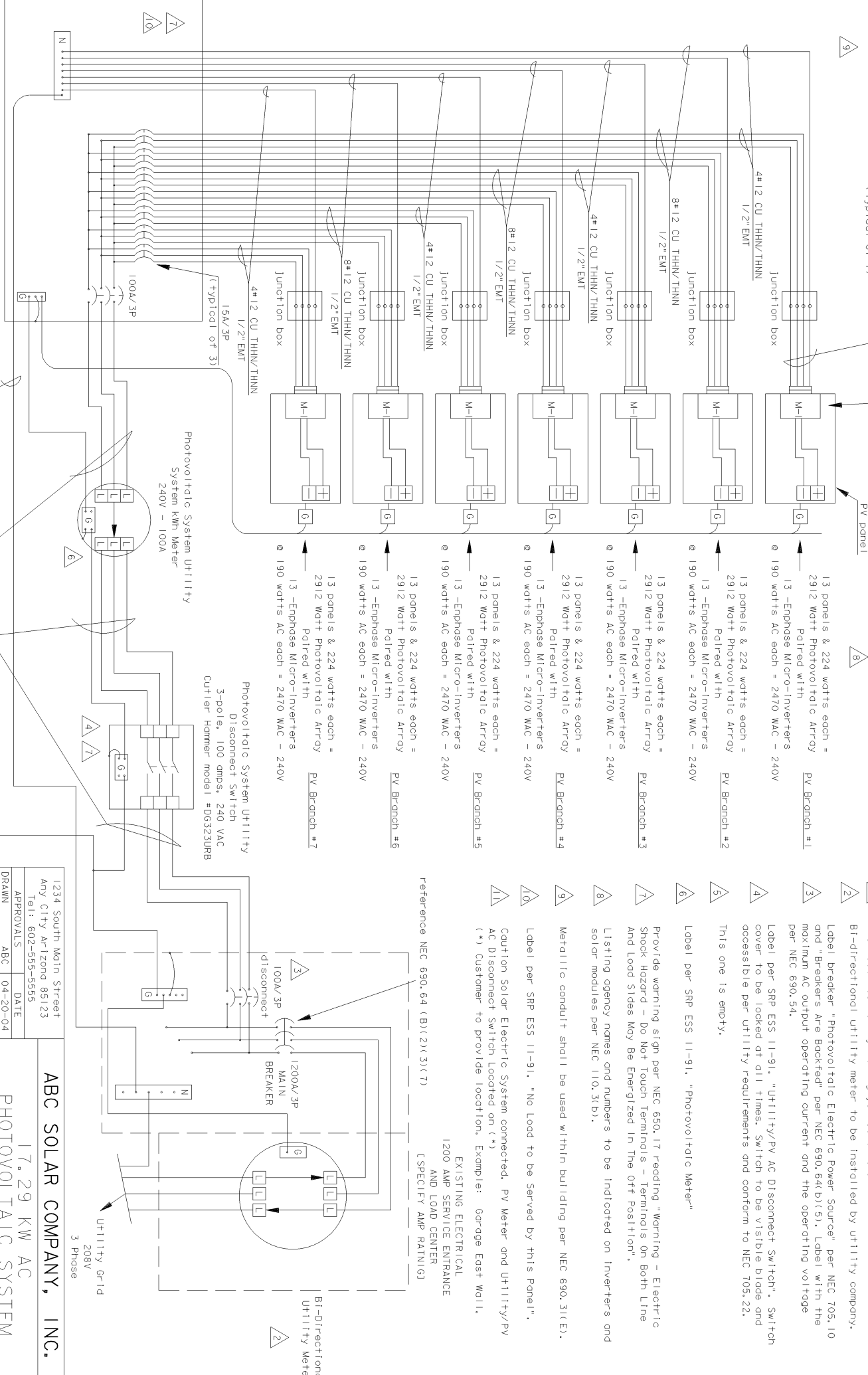
Listing agency names and numbers to be indicated on Inverters and solar modules per NEC 110.31(B).

Metallic conduit shall be used within building per NEC 690.31(E).

Label per SRP ESS 11-91, "No Load to be Served by this Panel".

Caution Solar Electric System connected, PV Meter and Utility/PV AC Disconnect Switch Located on (*)
 (*) Customer to provide location, Example: Garage East Wall.

EXISTING ELECTRICAL
 1200 AMP SERVICE ENTRANCE
 AND LOAD CENTER
 [SPECIFY AMP RATING]



1234 South Main Street
 Any City, Arizona 85123
 Tel.: 602-555-5555

APPROVALS: DATE

DRAWN: ABC 04-20-04

CHECKED: ENGINEER

M.G.R.

REV. C 01-29-07

ABC PROJECT #1111-9999

17,29 KW AC
 PHOTOVOLTAIC SYSTEM
 999 N. CACTUS BIRD RD
 ANY CITY, AZ 85123

ABC SOLAR COMPANY, INC.

SIZE: A
 CODE: INTENT NO.
 DRAWING NO. 000-0005

SCALE: NA
 REV. C
 SHEET 1 OF 1