

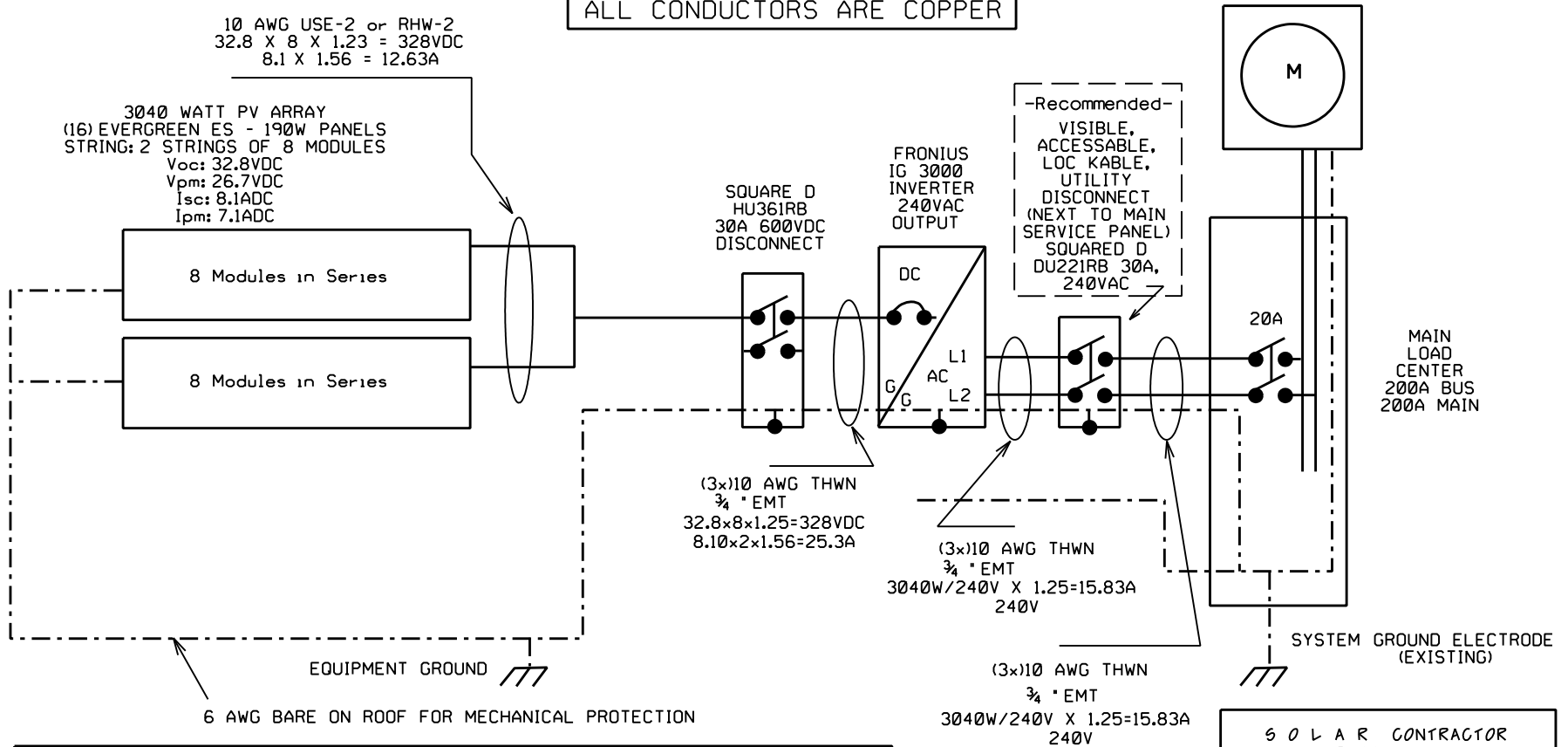
TYPICAL PHOTOVOLTAIC INSTALLATION

CONDUCTOR AMPACITY IN CONDUIT = #10 THWN 40 X .63 = 28.4 / 1.23 = 22.72

ALL CONDUCTORS ARE COPPER

10 AWG USE-2 or RHW-2
 $32.8 \times 8 \times 1.23 = 328\text{VDC}$
 $8.1 \times 1.56 = 12.63\text{A}$

3040 WATT PV ARRAY
 (16) EVERGREEN ES - 190W PANELS
 STRING: 2 STRINGS OF 8 MODULES
 $V_{oc}: 32.8\text{VDC}$
 $V_{pm}: 26.7\text{VDC}$
 $I_{sc}: 8.1\text{ADC}$
 $I_{pm}: 7.1\text{ADC}$



- NOTES:
- (1) Recommended Permanent Signage (Yellow placards, Black lettering):
 (A) On cover of Visible Disconnect - "PHOTOVOLTAIC SYSTEM DISCONNECT"
 (B) On front cover of Main Service Panel - "WARNING: This panel also fed by Solar Electric Source."
 - (2) PV modules, string combiners, DGI, DC disconnect, inverter, AC disconnect and disconnect are UL-Listed.
 - (3) DC surge protection in each DC disconnect box.
 - (4) AC surge protection in main service panel.
 - (5) Lightning and Equipment Ground Systems are bonded together.
 - (6) Interconnection will be per local utility requirements.
 - (7) System cannot be tested on line until approved by utility.
 - (8) The photovoltaic system will be installed in compliance with article 690 of the NEC.
 - (9) System components comply with IEEE 1547 and UL 1741.
 - (10) Visible AC Disconnect is not required but is recommended.
 - (11) Equipment shown is typical.

PROPRIETARY AND CONFIDENTIALITY STATEMENT

HERE

S O L A R CONTRACTOR ADDRESS CITY PHONE NUMBER EMAIL WEBSITE
ELECTRICAL DRAWING
CUSTOMER NAME ADDRESS LONGMONT, CO PHONE NUMBER