

MODULE SPECIFICATIONS	
Q CELL Q.PEAK-G4.1 305 QTY 14	
STC RATING	305
VMP	32.62
IMP	9.35
Voc	40.05
Isc	9.84
TEMP COEFF. Voc %	-0.0028

MODULE-LEVEL DC OPTIMIZER SPECIFICATIONS	
SOLAREEDGE P320 QTY 14	
NOMINAL DC RATING (WATTS)	320
MAX OUTPUT CURRENT Idc	15

GRID TIED INVERTER SPECIFICATIONS	
SE3800H-US QTY 1	
NOMINAL AC RATING	3800
NOMINAL V _{AC}	240
MAX I _{AC}	16
CEC EFFICIENCY	99.00%

DESIGN NOTES:

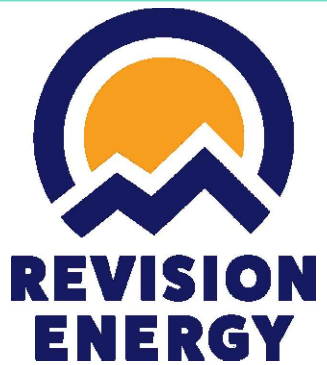
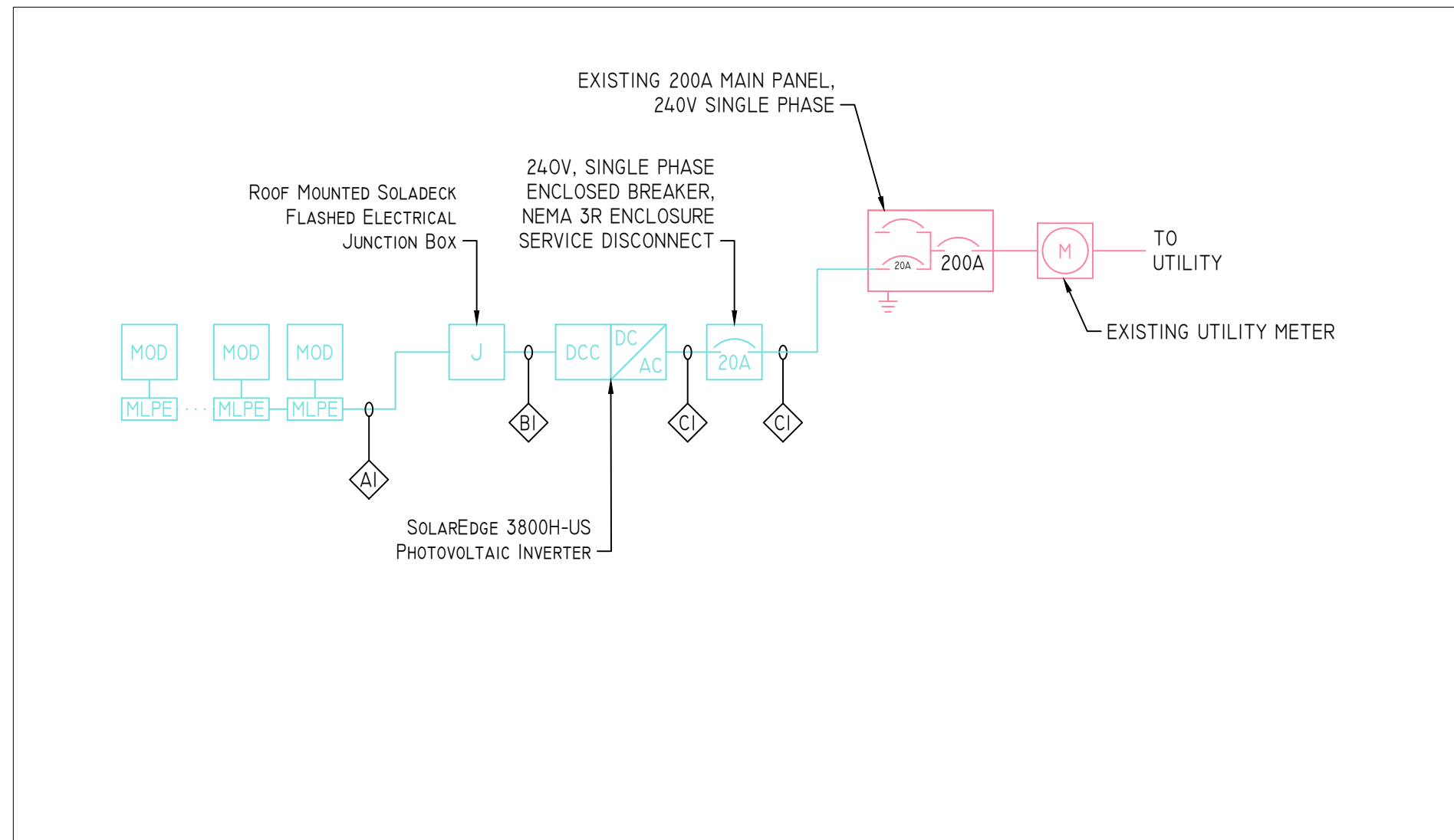
- ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED OTHERWISE.
- SYSTEM VOLTAGE DROP SHALL NOT EXCEED 5%
- LOWEST EXPECTED AMBIENT TEMPERATURE IS BASED ON ASHRAE EXTREME MIN FOR THE SPECIFIED LOCATION.
- AVERAGE HIGH TEMPERATURE IS BASED ON ASHRAE 2% AVG. FOR THE SPECIFIED LOCATION.

LINE TYPES:

- DEMOLITION
- EXISTING
- NEW

WIRING SCHEDULE								
TAG	DESCRIPTION	SETS	CABLE	INSULATION	CONDUIT	LENGTH	CONDUIT FILL	VOLTAGE DROP
AI	PV ARRAY TO JUNCTION BOX	1	L:(2)#10 AWG G:(1)#6 AWG	PV		20 FT		0.22%
BI	JUNCTION BOX TO INVERTER	1	L:(2)#10 AWG G:(1)#10 AWG	THWN-2	3/4" EMT	60 FT	11.90%	0.65%
CI	INVERTER TO INTERCONNECTION	1	L:(2)#10 AWG N:(1)#10 AWG G:(1)#10 AWG	THWN-2	3/4" EMT	25 FT	15.90%	0.40%

SYMBOLS:



142 PRESUMSCOT STREET
PORTLAND, ME 04103
(207)-221-6342

CLIENT:

ANGUS KING JR.
25 BAY STREET
PORTLAND MAINE, 04103

SYSTEM TYPE:

4.27KW GRID TIED SOLAR
PHOTOVOLTAIC SYSTEM

DESIGNED BY: GJD
REVISION: 0
PRINT SIZE: 11" X 17"
DATE: 3/9/2018

DWG TITLE:
ONE LINE AND EQUIPMENT
SPECIFICATIONS

DWG NUMBER:
E001

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