MODULE SPECIFICATIONS	
Q CELL Q.PEAK-G4.1 305 QTY 13	
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	
SOLAREDGE P320 QTY 13	
NOMINAL DC RATING (watts)	320
MAX OUTPUT CURRENT Idc	15

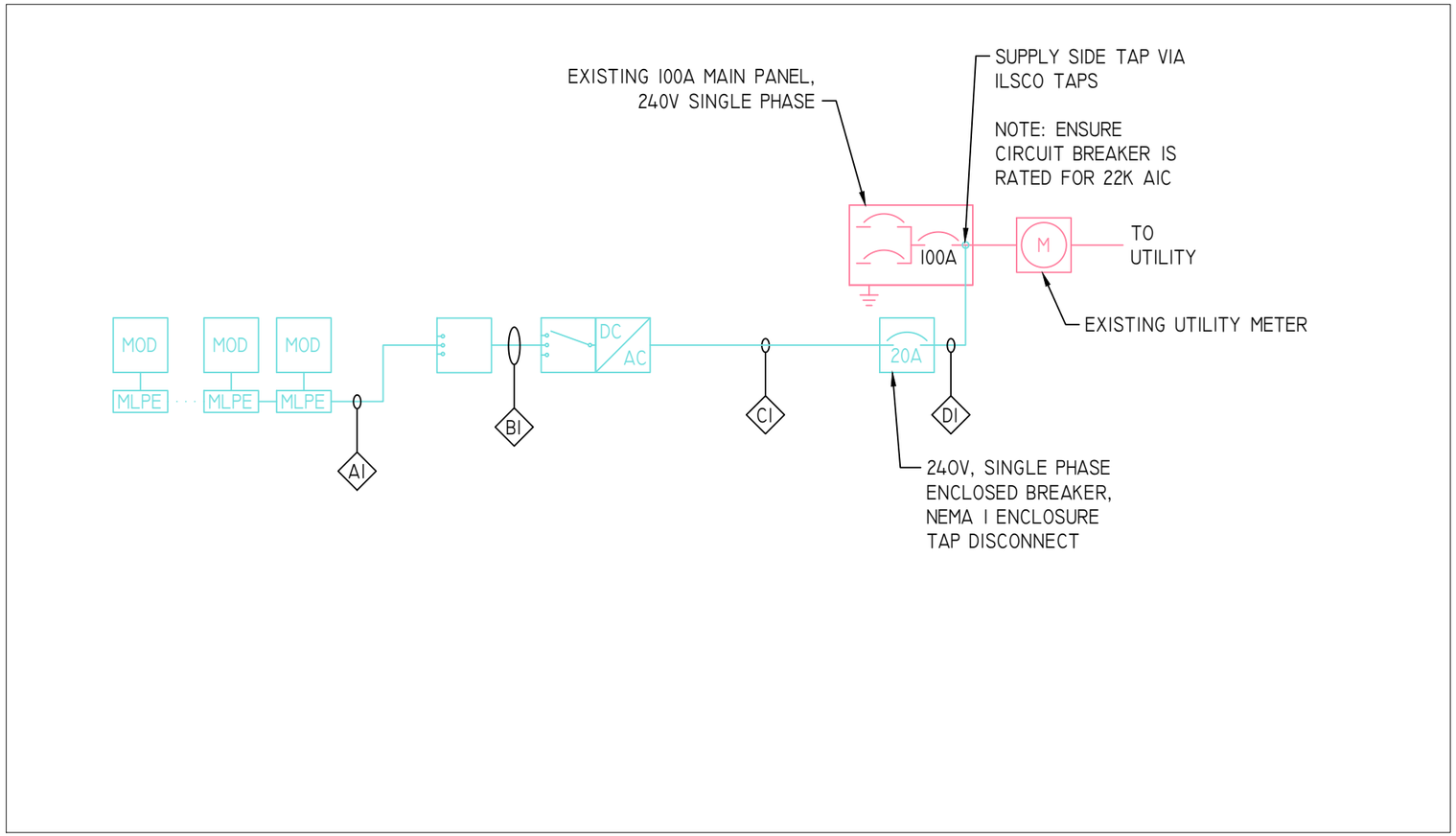
GRID TIED INVERTER SPECIFICATIONS	
SE3800H-US QTY 1	
NOMINAL AC RATING	3800
NOMINAL Vac	240
MAX Iac	16
CEC EFFICIENCY	99.00%

WIRING SCHEDULE

TAG	DESCRIPTION	SETS	CABLE	INSULATION	CONDUIT	LENGTH	CONDUIT FILL	VOLTAGE DROP
A1	PV ARRAY TO JUNCTION BOX	1	L:(2)#10 AWG N:(0) G:(1)#6 AWG	PV		25 FT		0.25%
B1	JUNCTION BOX TO INVERTER	1	L:(2)#10 AWG N:(0) G:(1)#10 AWG	THWN-2	3/4" EMT	50 FT		0.50%
C1	INVERTER TO TAP DISCONNECT	1	L:(2)#10 AWG N:(1)#10 AWG G:(1)#10 AWG	THWN-2	3/4" EMT	20 FT	15.90%	0.32%
D1	TAP DISCONNECT TO INTERCONNECTION	1	L:(2)#6 AWG N:(1)#6 AWG G:(1)#10 AWG	THWN-2	3/4" EMT	5 FT		0.03%

SYMBOLS:

- MOD — PV MODULE
- MLPE — MODULE LEVEL POWER ELECTRONIC / OPTIMIZER
- DC COMBINER AND DC DISCONNECT
- DC/AC — PV DC TO AC INVERTER
- 60A — ENCLOSED CIRCUIT BREAKER
- M — POWER METER
- FUSED DISCONNECT SWITCH
- NON-FUSED DISCONNECT SWITCH



DESIGN NOTES:

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

LINE TYPES:

- DEMOLITION
- EXISTING
- NEW

Inspections Division
Date: 03/22/18

ReVision Energy

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

CLIENT:

CHRISTIAN MILNEIL
45 SMITH STREET
PORTLAND MAINE, 04101

SYSTEM TYPE:

3.965KWDC SOLAR PHOTOVOLTAIC SYSTEM

DESIGNED BY:	GJD
REVISION:	0
PRINT SIZE:	11" X 17"
DATE:	2/28/2018

DWG TITLE:
ONE LINE AND EQUIPMENT SPECIFICATIONS

DWG NUMBER:
E001

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