

MODULE SPECIFICATIONS	
Q CELL Q.PEAK-G4.1 305 QTY 8	
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 8	
NOMINAL DC RATING (WATTS)	320
MAX OUTPUT CURRENT Idc	15

GRID TIED INVERTER SPECIFICATIONS	
SE3000H-US QTY 1	
NOMINAL AC RATING	3000
NOMINAL Vac	240
MAX Iac	12.5
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.

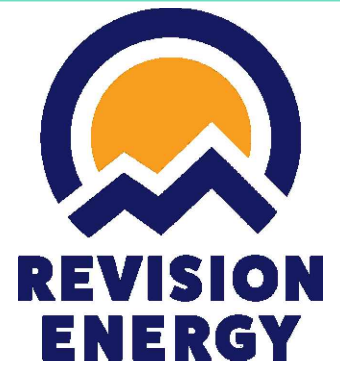
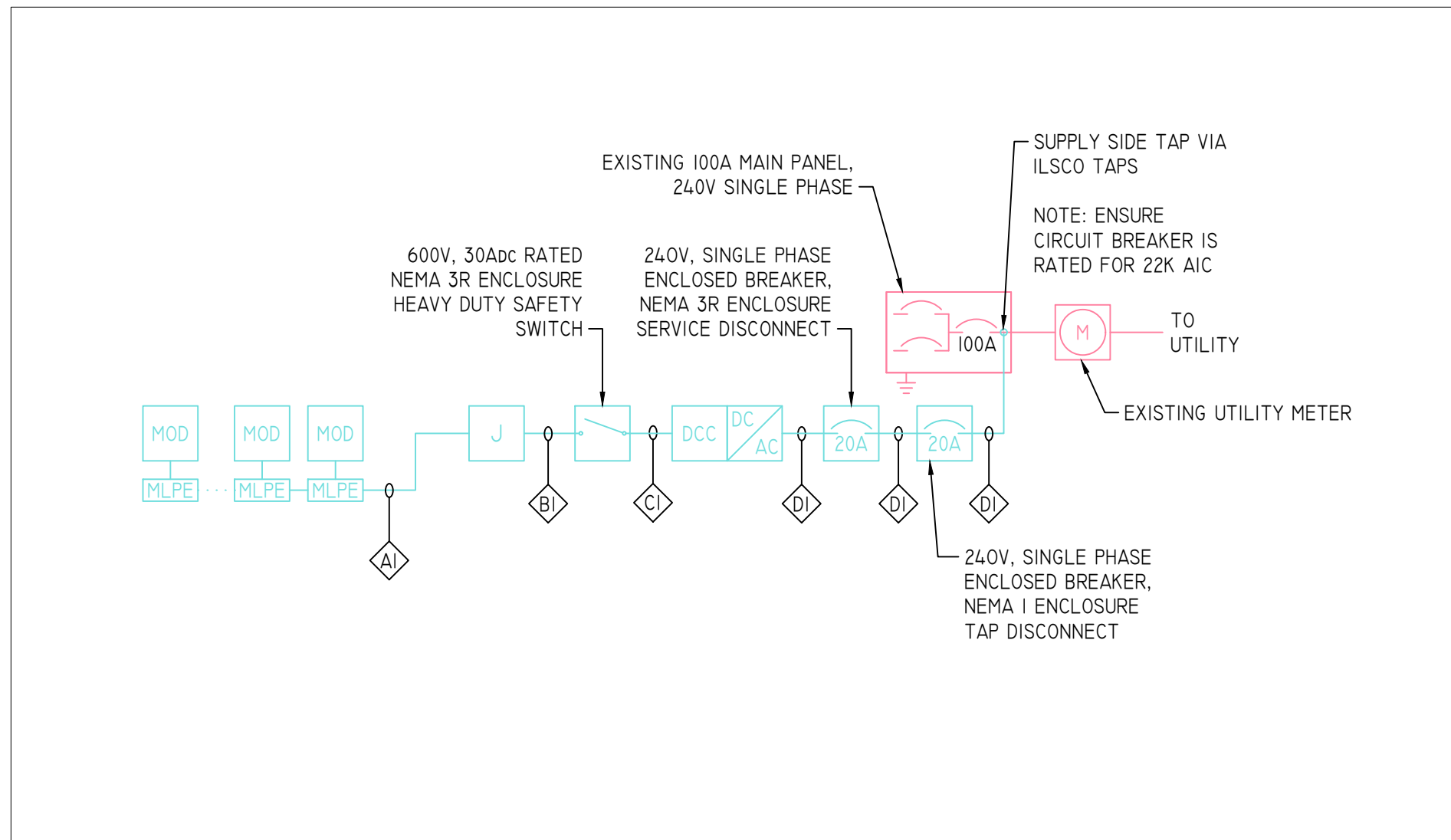
LINE TYPES:

- 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		25 FT		0.27%
BI	JUNCTION BOX TO DC DISCONNECT	1	L:(2)#10 AWG G:(1)#10 AWG	THWN-2	3/4" EMT	30 FT	11.90%	0.32%
CI	DC DISCONNECT TO INVERTER	1	L:(2)#10 AWG G:(1)#10 AWG	THWN-2	3/4" SCH 80 PVC	90 FT	15.50%	0.97%

SYMBOLS:

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



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

CLIENT:

INDU GUPTA
 158 DOROTHY STREET
 PORTLAND MAINE, 04103

SYSTEM TYPE:

2.44KW 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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