

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	
SOLAREEDGE 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 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.

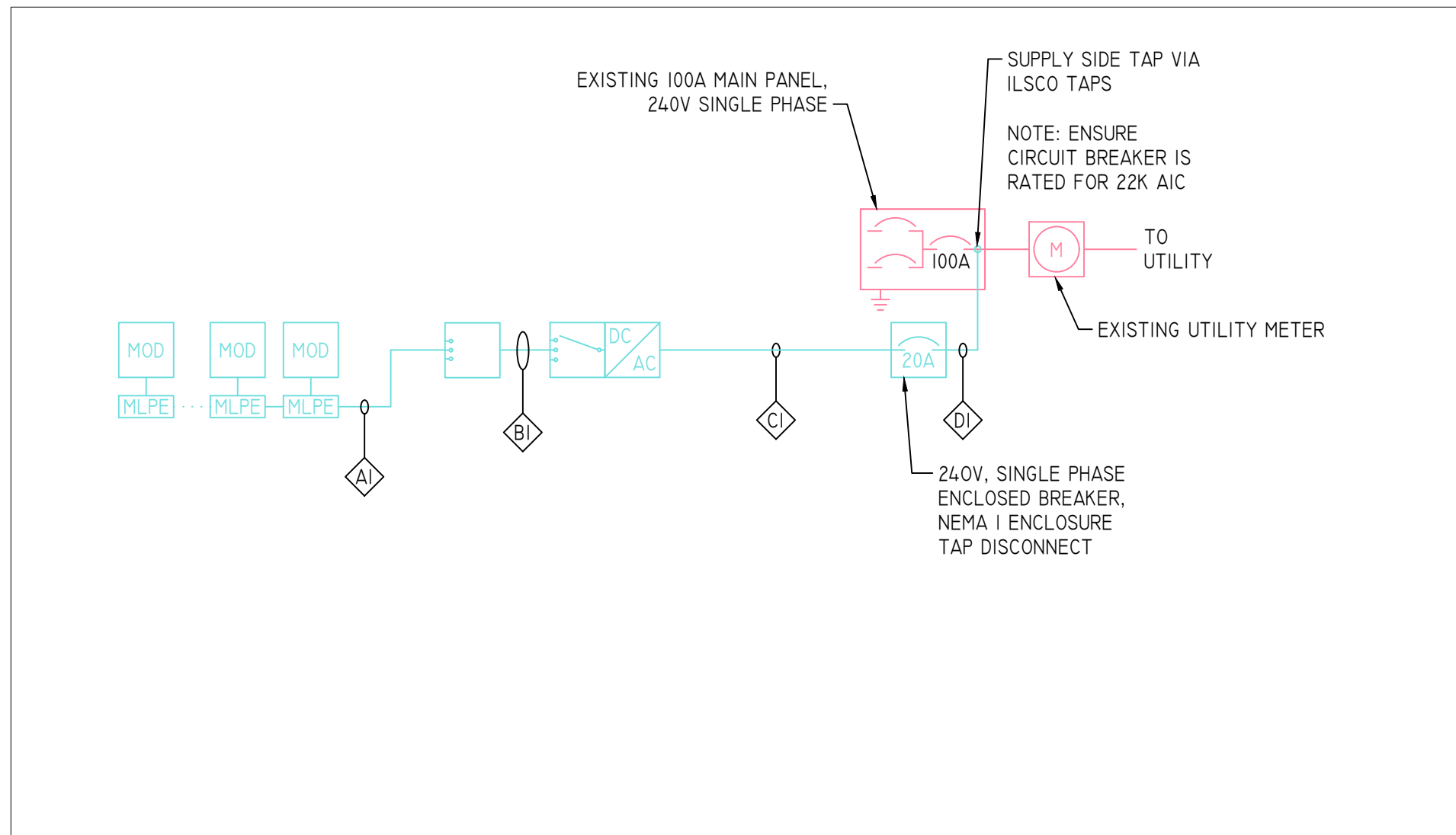
LINE TYPES:

- 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 N:(0) G:(1)#6 AWG	PV		25 FT		0.25%
BI	JUNCTION BOX TO INVERTER	1	L:(2)#10 AWG N:(0) G:(1)#10 AWG	THWN-2	3/4" EMT	50 FT		0.50%
CI	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%
DI	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:

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



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CLIENT:

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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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