- SYSTEM DESCRIPTION

- GRID-TIED PHOTOVOLTAIC SYSTEM
- (2) SOLAREDGE INVERTER
- (59) SOLARTECH 310W MODULES
- (59) SOLAREDGE P320 POWER OPTIMIZER

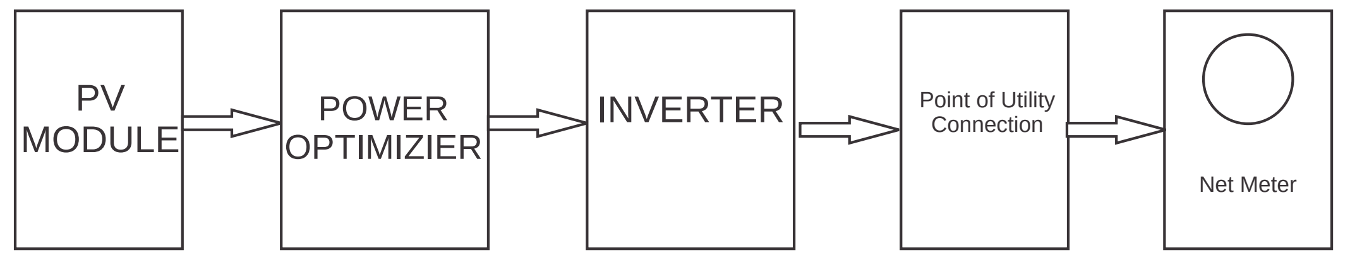
- INVERTER
- (59) PHOTOVOLTAIC MODULES ARE CONNECTED INTO (59) SOLAREDGE POWER OPTIMIZER
- (59) SOLAREDGE POWER OPTIMIZER CONNECT TO EACH OF THE (4) STRINGS OF (14&15) MODULES
- (2) INVERTER IS CONNECTED TO (6) STRINGS OF POWER OPTIMIZER

- TOTAL PHOTOVOLTAIC SYSTEM STC RATED DC ENERGY POWER PRODUCTION OF 18,290 WATTS
- ESTIMATED ENERGY PRODUCTION PER DAY 37.3kW
- INVERTER HAS MAXIMUM POWER POINT TRACKING (MPPT)
- INVERTER MEETS REQUIREMENTS OF 3-P POWER
- INVERTER MEETS IEEE 1547
- INVERTER MEETS UL1741

CODE SUMMARY		
STATE	BUILDING	ELECTRICAL
FLORIDA	2017 FBC, 6TH	2014 NEC

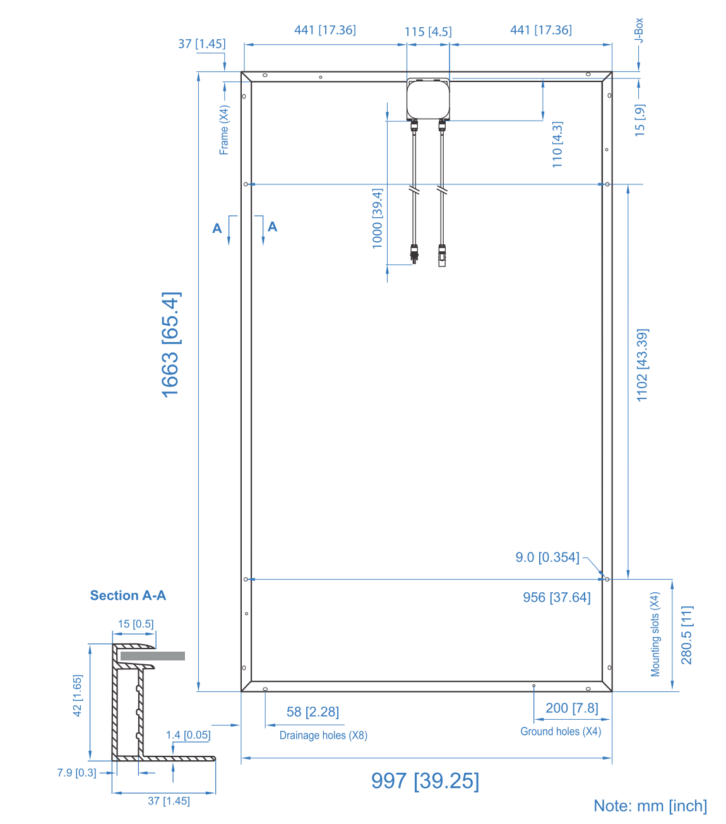
SYSTEM AUTOMATIC OPERATION

1. GRID POWER IS PRESENT, PHOTOVOLTAIC SYSTEM FEEDS THE LOAD AT DAY TIME.
2. GRID POWER IS LOST, PHOTOVOLTAIC SYSTEM AUTOMATICALLY DISCONNECTS FROM THE GRID.
3. PHOTOVOLTAIC SYSTEM WILL AUTOMATICALLY RESUME FEEDING POWER TO THE GRID. WHEN THE PROPER GRID VOLTAGE AND FREQUENCY IS RESTORED (IEEE STANDARDS) AND THERE IS ENOUGH SUNLIGHT



Item	Manufacturer	Model	Listing / Compliance
PV Modules	SOLARTECH	310W	UL
Inverter	SOLAREDGE	SE7600H-US	UL1741/IEEE1547
All disconnects	SOLAREDGE	DC & AC	UL
All overcurrent protection	SOLAREDGE	DC & AC	UL
FSEC CERTIFICATION #	SOLARTECH	310W	QC15-NT90-0118

SOLARTECH UNIVERSAL



Mechanical Characteristics	
Laminate Structure	Glass / TPO / Cells / TPO / Backsheet
Weight	Approx. 18 kg [40lbs]
Cell Type [mm]	Mono-crystalline PERC (156.75 mm)
Cell connection	60 cells (Serial)
Junction Box	IP65/IP67 with 3 Bypass Diodes
Cables Length	1m [39.4 in]
Connectors Type	MC4 Compatible
Moduel Dimensions	997 x 1663 x 42mm [39.25 x 65.4 x 1.65]
Encapsulant	(TPO) Hydrophobic
Front Load (Snow)	5400 Pa / 112.8 Psf
Rear Load (Wind)	3800 Pa / 79.4 Psf
Collection Pathways	18 Micro-wires
Glass Thickness	3.2mm [.125] Anti-reflective Tempered Solar Glass (≥94% Transmittance)

1800 President Barack Obama Highway
Riviera Beach, FL 33404

Phone: (561) 440-8000
Fax: (561) 503-4141

info@solartechuniversal.com
www.solartechuniversal.com

Electrical Characteristics STC	STU-PERCB W-295	STU-PERCB W-300	STU-PERCB W-305	STU-PERCB W-310
Average Power	295W	300W	305W	310W
Max Module Efficiency (%)	18.1%	18.4%	18.7%	19.0%
Voltage at Max power (Vmp)	33.1V	33.4V	33.6V	33.9V
Current at Max power (Imp)	8.9A	9.0A	9.1A	9.1A
Open Circuit Voltage (Voc)	39.6V	39.9V	40.2V	40.6V
Short Circuit Current (Isc)	9.5A	9.5A	9.6A	9.7A
Operating Module Temperature	-40°C→ 85°C			
Maximum System Voltage	1000V DC (IEC + UL)			
Maximum Series Fuse Rating	20A			
Power Sorting	-0/+5W			

STC: Irradiance 1000 W/m2, module temperature 25 °C, AM=1.5; Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

NOCT	295W	300W	305W	310W
Max. Power at NOCT (Pmax)	215.6W	219.2W	222.9W	226.5W
Voltage Max. Power (Vmp)	30.3V	30.6V	30.8V	31.1V
Current Max. Power (Imp)	7.1A	7.2A	7.2A	7.3A
Open Circuit Voltage (Voc)	36.9V	37.2V	37.5V	37.8V
Short Circuit Current (Isc)	7.5A	7.6A	7.7A	7.7A

NOCT: 800 W/m2 Irradiance, 20 °C ambient temperature , AM=1.5, wind speed 1 m/s
Values are based on RETC certified results from a light-soaked module.

Temperature Characteristics	
Nominal Operating Cell Temp. (NOCT)	45.3°C
Temperature Coefficient of Pmax	-0.366 %/°C
Temperature Coefficient of Voc	-0.281 %/°C
Temperature Coefficient of Isc	+0.041 %/°C

NOCT: 800 W/m2 Irradiance, 20 °C ambient temperature , AM=1.5, wind speed 1 m/s;
NOCT values are based on RETC certified results. Based pm a 300w module

Maximum Power at PTC Percentage of STC	273.4W 92.7%	278.2W 92.7%	282.9W 92.8%	287.9W 92.8%

Certifications & Warranty	
Safety and Aging	IEC61215
Mechanical and Structural Safety	IEC61730 / UL1703
Modules Fire Performance	Type 2 UL1703
Product Warranty	12 Years
Performance Warranty of Pmax	30 Years Linear

1st year 97%, 30th year 80%. Details of these warranties can be found at www.solartechuniversal.com, under "Downloads"

Shipping Configurations	GP	HC	Trailer
Container Length	20'	40'	53'
Pallets Per Container	12	24	36
Modules Per Pallet	20	23	23
Modules Per Container	240	552	828

IN PARTNERSHIP WITH MEYER BURGER

USA

The NEC gives you the choice of four methods for ensuring electrical continuity at service equipment, service raceways, and service conductor enclosures [250.92(B):
1.*Bonding jumpers*. Bond metal parts to the service neutral conductor. This requires a main bonding jumper [250.24(B) and 250.28].
Because the service neutral conductor provides the effective ground-fault current path to the power supply [250.24(C)],
you don't have to install an equipment grounding conductor within PVC conduit containing service-entrance conductors [250.142(A)(1) and 352.60 Ex 2].
2.*Threaded fittings*. Terminate metal raceways to metal enclosures by threaded hubs on enclosures (if made wrenchtight).
3.*Threadless fittings*. Terminate metal raceways to metal enclosures by threadless fittings (if made tight)
4.*Other listed devices*. These include bonding-type locknuts, bushings, wedges, or bushings with bonding jumpers.

SolarEdge Power Optimizer

Module Add-On for North America

P300 / P320 / P370 / P400 / P405

	P300 (for 60-cell modules)	P320 (for high-power 60-cell modules)	P370 (for higher-power 60 and 72-cell modules)	P400 (for 72 & 96-cell modules)	P405 (for thin film modules)	
INPUT						
RatedInputDCPower [1]	300	320	370	400	405	W
AbsoluteMaximumInputVoltage (Vocatlowesttemperature)	48		60	80	125	Vdc
MPPTOperatingRange	8-48		8-60	8-80	12.5-105	Vdc
MaximumShortCircuitCurrent(Isc)	10	11		10.1		Adc
MaximumDCInputCurrent	12.5	13.75		12.63		Adc
MaximumEfficiency	99.5					%
WeightedEfficiency	98.8					%
OvervoltageCategory	II					
OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREDGE INVERTER)						
MaximumOutputCurrent	15					Adc
MaximumOutputVoltage	60				85	Vdc
OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREDGE INVERTER OR SOLAREDGE INVERTER OFF)						
SafetyOutputVoltageperPower Optimizer	1					Vdc
STANDARD COMPLIANCE						
EMC	FCCPart15ClassB,IEC61000-6-2,IEC61000-6-3					
Safety	IEC62109-1(classIIsafety),UL1741					
RoHS	Yes					
INSTALLATION SPECIFICATIONS						
MaximumAllowedSystemVoltage	1000					Vdc
Compatibleinverters	AllSolarEdgeSinglePhaseandThreePhaseinverters					
Dimensions(WxLxH)	128x152x27.5/5x5.97x1.08			128x152x35/ 5x5.97x1.37	128x152x50/ 5x5.97x1.96	mm/in
Weight(includingcables)	630/1.4			750/1.7	845/1.9	gr/lb
InputConnector	MC4Compatible		MC4/ AmphenolAH4	MC4Compatible		
OutputWireType/Connector	DoubleInsulated;MC4Compatible		DoubleInsulated; MC4/ AmphenolAH4	DoubleInsulated;MC4Compatible		
OutputWireLength	0.95/3.0		1.2/3.9			m/ft
OperatingTemperatureRange	-40-+85/-40-+185					°C/°F
ProtectionRating	IP68/NEMA6P					
RelativeHumidity	0-100					%

[1] RatedSTCpowerofthemodule.Moduleofupto+5%powertoleranceallowed.

PV SYSTEM DESIGN USING A SOLAREDGE INVERTER [2][3]	SINGLE PHASE HD-WAVE	SINGLE PHASE	THREE PHASE 208V	THREE PHASE 480V	
MinimumStringLength (PowerOptimizers)	8		10	18	
MaximumStringLength (PowerOptimizers)	25		25	50	
MaximumPowerperString	5700(6000with SE7600H-US)	5250	6000	12750	W
ParallelStringsofDifferentLengths orOrientations	Yes				

[2] Fordetailedstringsizing informationreferto: http://www.solaredge.com/sites/default/files/string_sizing_na.pdf.
[3] ItisnotallowedtomixP405withP300/P370/P400/P600/P700inonestring.

NOTE:
INVERTER AND OPTIMIZER COMPLIES WITH NEC 690.5
INVERTER AND OPTIMIZER COMPLIES WITH NEC 690.12
INVERTER COMPLIES WITH NEC 690.5, 690.11
INVERTER LISTINGS UL1741,UL1699B,UL1998,CSA22.2
OPTIMIZER LISTINGS IEC62109-1(classIIsafety),UL1741

Single Phase Inverters for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US

	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000A- US	SE11400H-US	
OUTPUT								
NominalACPowerOutput	3000	3800	5000	6000	7600	9980@208V 10000@240V	11400	VA
Max.ACPowerOutput	3300	4150	5400@208V 5450@240V	6000	8350	10800@208V 10950@240V	12000	VA
ACOutputVoltageMin.-Nom.-Max. [1] 183-208-229Vac	-	-	3	-	-	3	-	
ACOutputVoltageMin.-Nom.-Max. [1] 211-240-264Vac	3	3	3	3	3	3	3	
ACFrequencyMin.-Nom.-Max. [1]	59.3-60-60.5(withHIcountrysetting57-60-60.5)							Hz
Max.ContinuousOutputCurrent	12.5	16	24@208V 21@240V	25	32	48@208V 42@240V	47.5	A
GFDIThreshold	1							A
UtilityMonitoring,IslandingProtection,CountryConfigurableThresholds	Yes							Yes
INPUT								
MaximumDCPower (STC)	4050	5100	6750	8100	10250	13500	15350	W
Transformer-less,Ungrounded	Yes							
Max.InputVoltage	500							Vdc
Nom.DCInputVoltage	325@208V/350@240V							Vdc
Max.InputCurrent [2]	9.5	13	16.5@208V 15.5@240V	18	23	33@208V 30.5@240V	34.5	Adc
Max.InputShortCircuitCurrent	45							Adc
Reverse-PolarityProtection	Yes							
Ground-FaultIsolationDetection	600kΩSensitivity							
MaximumInverterEfficiency	97.7	98.2	98.3	98.3	98	98	98	%
CECWeightedEfficiency	97.5	98	97.5@208V 98@240V	97.5	97.5	97@208V 97.5@240V	97.5	%
NighttimePowerConsumption	<2.5					<4		W
ADDITIONAL FEATURES								
SupportedCommunicationInterfaces	RS485,RS232,Ethernet,ZigBee(optional)							
RevenueGradeData,ANSIC12.1	Optional[3]							
RapidShutdown–NEC2014690.12	FunctionalityenabledwhenSolarEdgerapidshutdownkitisinstalled [4]							
STANDARD COMPLIANCE								
Safety	UL1741,UL1699B,UL1998,CSA22.2							
GridConnectionStandards	IEEE1547							
Emissions	FCCpart15classB							
INSTALLATION SPECIFICATIONS								
ACoutputconduitsize/AWGrange	3/4"minimum/16-6AWG					3/4"minimum/8-3AWG		
DCinputconduitsize/#ofstrings/ AWGrange	3/4"minimum/1-2strings/16-6AWG					3/4"minimum/1-2strings/ 14-6AWG		
DimensionswithSafetySwitch (HxWxD)	30.5x12.5x7.2/775x315x184					30.5x12.5x10.5/ 775x315x260		in/ mm
WeightwithSafetySwitch	51.2/23.2		54.7/24.7			88.4/40.1		lb/kg
Cooling	NaturalConvection				Natural convection andinternal fan(user replaceable)	Fans(userreplaceable)		
Noise	<25				<50			dBA
Min.-Max.OperatingTemperature Range	-13to+140/-25to+60(-40to+60versionavailable [5])							°F/°C
ProtectionRating	NEMA3R							

[1] Forotherregionalsettingspleasecontact SolarEdgesupport.
[2] Ahighercurrentsource maybeused;theinverterwilllimititsinputcurrenttothevaluesstated.
[3] RevenuegradeinverterP/N:SExxxxH-US000NNR2(for7600Winverter:SE7600H-US002NNR2).
[4] RapidshutdownkitP/N: SE1000-RSD-S1.
[5] -40versionP/N:SExxxxH-US000NNU4(for7600Winverter:SE7600H-US002NNU4).

RoHS

NOTE:
PER FL. STATUTE 377.705 (REVISED 7/1/2017), I RYAN GOOLABSINGH PE #82345 AN ENGINEER LICENSED PURSUANT TO CHAPTER 471, CERTIFY THAT THE PV ELECTRICAL SYSTEM AND ELECTRICAL COMPONENTS ARE DESIGNED AND APPROVED USING THE STANDARDS CONTAINED IN THE MOST RECENT VERSION OF THE FLORIDA BUILDING CODE.

System data:

Installed power: 18.00 kWp
Max achieved DC power: 18.87 kW
Inverter active power: 15.20 kW
Maximum apparent power: 15.20 kVA

PV Array # 1: PV Array # 1

Tilt	Azimuth	Mounting
22°	180°	Co-planar with roof
SolarTech Universal, STU 310W		

Inverter design

Inverter 1: SE7600H-US
Strings 1-2: PV Array # 1: 15 x P320

Inverter 2: SE7600H-US
String 1: PV Array # 1: 15 x P320
String 2: PV Array # 1: 14 x P320

Power optimizer extreme operating conditions

P320

	Calculated	Limit	
Max input power	305 W	320 W	✓
Min input voltage	38 V	8 V	✓
Max input voltage	47 V	48 V	✓
Max input current	10 A	11 A	✓
Max output current	12 A	15 A	✓

* Calculated values are the absolute min/max of all arrays using this power optimizer configuration.

DESIGN TEMP 91 DEG C, ADDER 60 DEG C(310.15(B)(2)(C), TOTAL 151 DEG C MULTIPLIER AT 151 DEG C IS .58(310.16 CORRECTION FACTORS). #10 THWN-2 RATED 40 AMPS, TIMES .58 = 23.2 AMPS. 8 CONDUCTORS IN SINGLE CONDUIT ADJUSTMENT FACTOR IS 50%. 23.2 X .7 = 16.24 AMPS

SOLAR MODULES PER STRING = 15.0 AMPS
THE MAX. AMPS FEEDING INTO THE #10 THWN-2 WIRE

A #6 grounding conductor is specified per NEC 250.120C, but a #8 conductor may be used if protected from physical damage. Note that the ground wire transitions to a #10 THWN-2 in the junction box.

TOTAL SYSTEM BACK FEED RATING: 64A

ELECTRICAL BREAKER RATING: 150A
ELECTRICAL ELEC. PANEL: 200A
120% BACKFEED RATING: 90A

The WEEB Grounding clips are designed to bond solar PV modules to mounting structures and create an electrical path to ground. WEEB Washers eliminate the need for older, more costly grounding methods and greatly reduce the amount of labor and materials used in installations.

- Bonds PV modules to mounting structures
- Specialized teeth on washer embeds into anodized aluminum to establish gas-tight electrical connection
- 304 Stainless Steel washer
- Stock parts for most popular mounting systems
- Custom WEEB Washer designs also available
- ETL Listed to UL 467
- WEEB Washers are recognized to UL2703

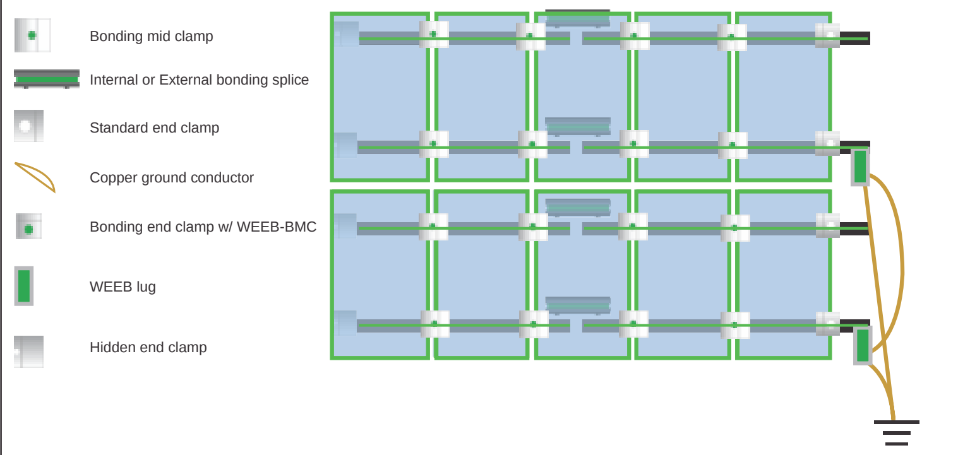
2.4 System Electrical Bonding

The QRail system, when properly assembled and installed, provides an integrated electrical bonding path, ensuring that all exposed metal parts and the PV module frames are electrically connected. The QRail employs a number of features to ensure reliable electrical connectivity.

Bonding and Fault Path

Images 2.4.2 and 2.4.3 show the available current path(s) in the QRail system for standard and shared rail configurations, respectively.
Images 2.4.4 through 2.4.14 provide detail drawings of the labeled connection points.

2.4.2 Standard configuration bonding path



NOTE: LINE SIDE TAP
MAX RATING MAIN SERVICE ENTRANCE CONDUCTOR SIZE

(PV) AC DISCONNECT SPECIFICATIONS (MINIMUM 60 AMP RATED PER NEC 230.79(D)

TAP CONDUCTOR SIZE (MINIMUM 6 AWG COPPER OR 4 AWG ALUMINUM PER NEC 230.42(B) AND 310.15(B)(7) OR 310.15(B)(16)

CONDUCTOR ROUTING IN RACEWAY AND INSIDE PANELBOARD INCLUDING THE GROUNDED CIRCUIT CONDUCTOR (NEUTRAL) PER NEC 300.3 AND 250.24©.

TAP CONDUCTOR LENGTH LIMITATION OF 10 FEET PER NEC 705.31

GROUNDING AND BONDING CONNECTIONS FROM THE (PV) AC DISCONNECT CONNECTION TO THE SERVICE PANELBOARD, AND GROUNDING ELECTRODE CONDUCTOR AS APPLICABLE.

! WARNING !
ELECTRIC SHOCK HAZARD.
THE DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED.

LABEL 1
AT EACH JUNCTION, COMBINER, DISCONNECT AND DEVICE WHERE ENERGIZED UNGROUNDED CONDUCTORS MAY BE EXPOSED DURING SERVICE
[NEC 690.35(F)]

! WARNING !
ELECTRIC SHOCK HAZARD
DO NOT TOUCH TERMINALS.
TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION.

LABEL 2
AT EACH DISCONNECTING MEANS FOR PHOTOVOLTAIC EQUIPMENT
[NEC 690.17]

PHOTOVOLTAIC POWER SOURCE
Rated Maximum Power-Point Current: 12.4A
Rated Maximum Power-Point Voltage: 350V
Maximum System Voltage: 500V
Short-Circuit Current: 30A

LABEL 3
AT EACH APPLICABLE DC DISCONNECTING MEANS
[NEC 690.53]

PHOTOVOLTAIC AC DISCONNECT
OPERATING CURRENT: 64 A AC
OPERATING VOLTAGE: 240 V AC

LABEL 4
AT POINT OF INTERCONNECTION, MARKED AT DISCONNECTING MEANS
[NEC 690.54]

! WARNING !
DUAL POWER SOURCES.
SECOND SOURCE IS PV SYSTEM

LABEL 5

! CAUTION !
PHOTOVOLTAIC SYSTEM CIRCUIT IS BACKFED

LABEL 6

AT POINT OF INTERCONNECTION; LABEL, SUCH AS LABEL 5 OR LABEL 6 MUST IDENTIFY PHOTOVOLTAIC SYSTEM
[NEC 705.12(D)(4)]

DIRECTORY
PERMANENT PLAQUE OR DIRECTORY PROVIDING THE LOCATION OF THE SERVICE DISCONNECTING MEANS AND THE PHOTOVOLTAIC SYSTEM DISCONNECTING MEANS IF NOT IN THE SAME LOCATION
[NEC 690.56(B)]

WHERE THE INVERTERS ARE REMOTELY LOCATED FROM EACH OTHER, A DIRECTORY IN ACCORDANCE WITH 705.10 SHALL BE INSTALLED AT EACH DC PV SYSTEM DISCONNECTING MEANS, AT EACH AC DISCONNECTING MEANS, AND AT THE MAIN SERVICE DISCONNECTING MEANS SHOWING THE LOCATION OF ALL AC AND DC PV SYSTEM DISCONNECTING MEANS IN THE BUILDING.
[NEC 690.4(H)]

WARNING: PHOTOVOLTAIC POWER SOURCE

LABEL 7
AT EXPOSED RACEWAYS, CABLE TRAYS, AND OTHER WIRING METHODS; SPACED AT MAXIMUM 10 FT SECTION OR WHERE SEPARATED BY ENCLOSURES, WALLS, PARTITIONS, CEILINGS, OR FLOORS.
[NEC 690.31(G)]
LETTERS AT LEAST 3/8 INCH; WHITE ON RED BACKGROUND; REFLECTIVE
[IFC 605.11.1.1]

PHOTOVOLTAIC DC DISCONNECT

LABEL 8
AT EACH DC DISCONNECTING MEANS
[NEC 690.13(B)]

PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN

LABEL 9
AT RAPID SHUTDOWN SWITCH
[NEC 690.56(B)].
LETTERS AT LEAST 3/8 INCH; WHITE ON RED BACKGROUND; REFLECTIVE
[IFC 605.11.1.1]

INTERACTIVE PHOTOVOLTAIC SYSTEM CONNECTED
PHOTOVOLTAIC SYSTEM DISCONNECT LOCATED
NEXT TO METER

PLAQUE

INTERACTIVE PHOTOVOLTAIC SYSTEM CONNECTED

LABEL 10
AT UTILITY METER
[NEC 690.56(B)]

PHOTOVOLTAIC AC DISCONNECT

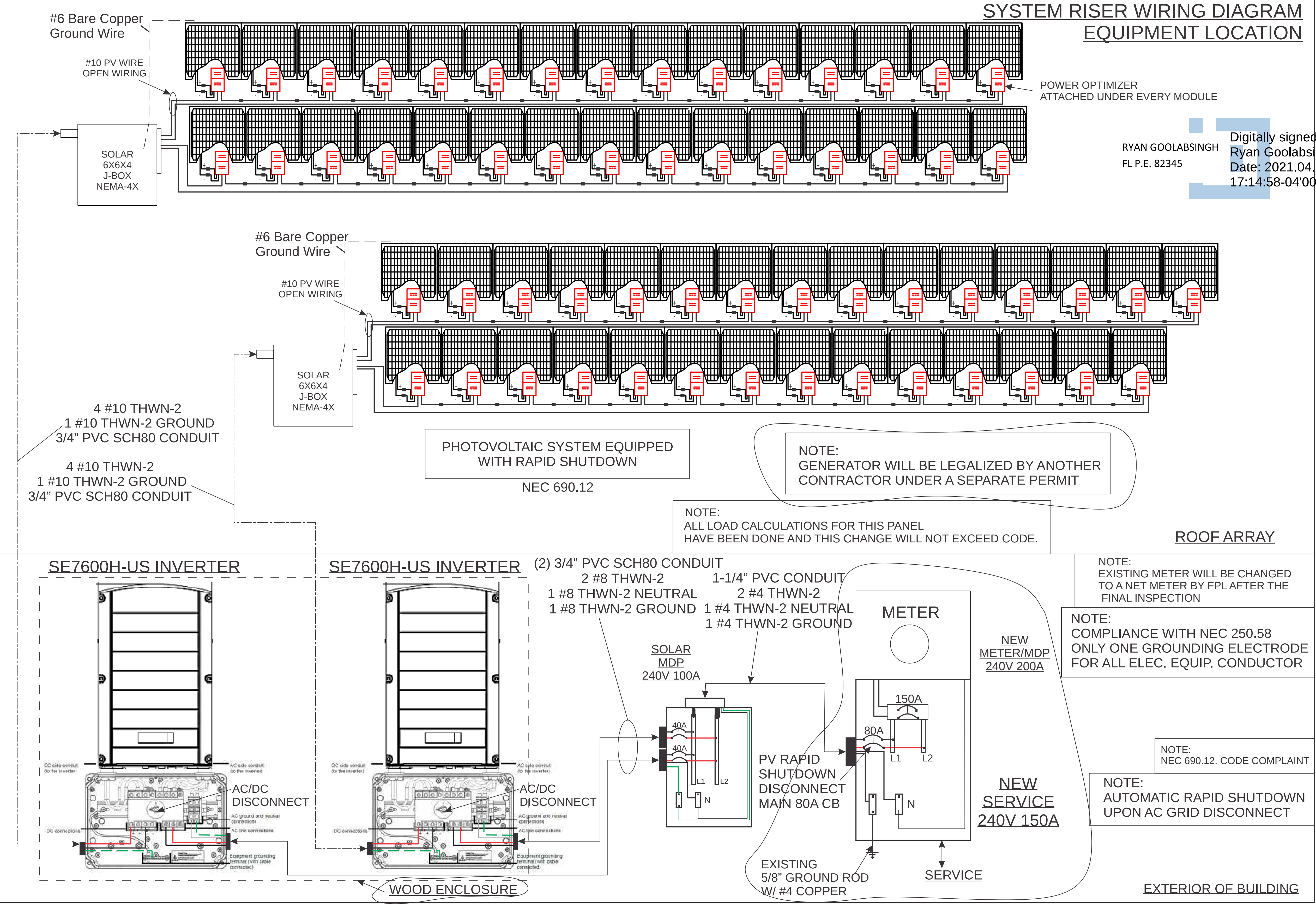
LABEL 11
AT EACH AC DISCONNECTING MEANS
[NEC 690.13(B)]

! WARNING !
INVERTER OUTPUT CONNECTION.
DO NOT RELOCATE THIS OVERCURRENT DEVICE

LABEL 12
AT POINT OF INTERCONNECTION OVERCURRENT DEVICE
[NEC 705.12(D)(7)]

LABELING NOTES
1.1 LABELING REQUIREMENTS BASED ON THE 2014 NATIONAL ELECTRICAL CODE, INTERNATIONAL FIRE CODE 605.11, OSHA STANDARD 1910.145, ANSI Z535
1.2 MATERIAL BASED ON THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
1.3 LABELS TO BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
1.4 LABELS TO BE A MINIMUM LETTER HEIGHT OF 3/8" AND PERMANENTLY AFFIXED.
1.5 ALERTING WORDS TO BE COLOR CODED. "DANGER" WILL HAVE RED BACKGROUND; "WARNING" WILL HAVE ORANGE BACKGROUND; "CAUTION" WILL HAVE YELLOW BACKGROUND. [ANSI Z535]

SYSTEM RISER WIRING DIAGRAM
EQUIPMENT LOCATION



PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN

NEC 690.12

NOTE:
GENERATOR WILL BE LEGALIZED BY ANOTHER CONTRACTOR UNDER A SEPARATE PERMIT

NOTE:
ALL LOAD CALCULATIONS FOR THIS PANEL HAVE BEEN DONE AND THIS CHANGE WILL NOT EXCEED CODE.

NOTE:
EXISTING METER WILL BE CHANGED TO A NET METER BY FPL AFTER THE FINAL INSPECTION

NOTE:
COMPLIANCE WITH NEC 250.58
ONLY ONE GROUNDING ELECTRODE FOR ALL ELEC. EQUIP. CONDUCTOR

NOTE:
NEC 690.12. CODE COMPLAINT

NOTE:
AUTOMATIC RAPID SHUTDOWN UPON AC GRID DISCONNECT

RYAN GOOLABSINGH
FL P.E. 82345

Digitally signed by Ryan Goolabsingh
Date: 2021.04.07
17:14:58-04'00'

SEAL:
RYAN D. GOOLABSINGH
LICENSE No. 82345
04/07/2021

REVISIONS:

Project: SONNIA & FERNANDO MONDRAGON
1526 71st St,
Miami Beach, FL 33141
ELECTRICAL DIAGRAM & CALCULATION

2001 W Sample Road, Suite 320
Deerfield Beach, Florida 33064
(818) 929-7125
Lic: #CVC057052 & #CGC058270
SMARTENERGY INC

RDG ENGINEERING, INC.
FLORIDA C.A. NO. 32850
RYAN GOOLABSINGH, FLORIDA P.E. NO. 82345
951 BRICKELL AVENUE, #3605
MIAMI, FLORIDA 33131
TEL 786-423-2285
I CERTIFY THAT THIS PV SYSTEM FULLY COMPLIES WITH THE REQUIREMENTS OF NEC 690.

DATE: 4/6/2021
SCALE: NTS
DRAWN BY: J.B
PAGE: E-1