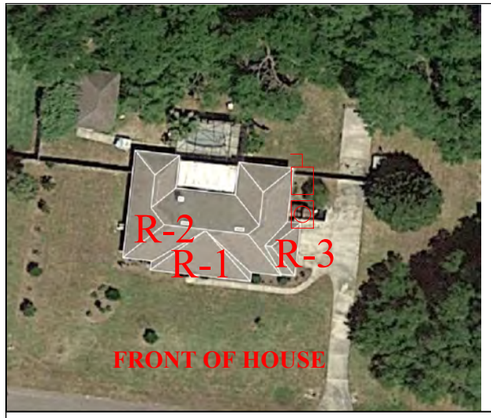

Inverter Type: (2) SolarEdge SE5000H-US
PV Panel: (35) Q.PEAK DUO BLK-G6+/TS 340
Racking: Iron Ridge XR-10
Total Wattage: 11,900W DC
Roof Type: Composition Shingles
Wind Load: 20 to 27 Deg
Fastener Type: Use Unirac Flashlocs

Sheet Index

General Notes:
-(2) SolarEdge SE5000H-US Inverter located near utility meter
-SolarEdge S440 Optimizers are located on roof behind each module.
-First responder access maintained and from adjacent roof.
-Wire run from array to connection is 60 feet.

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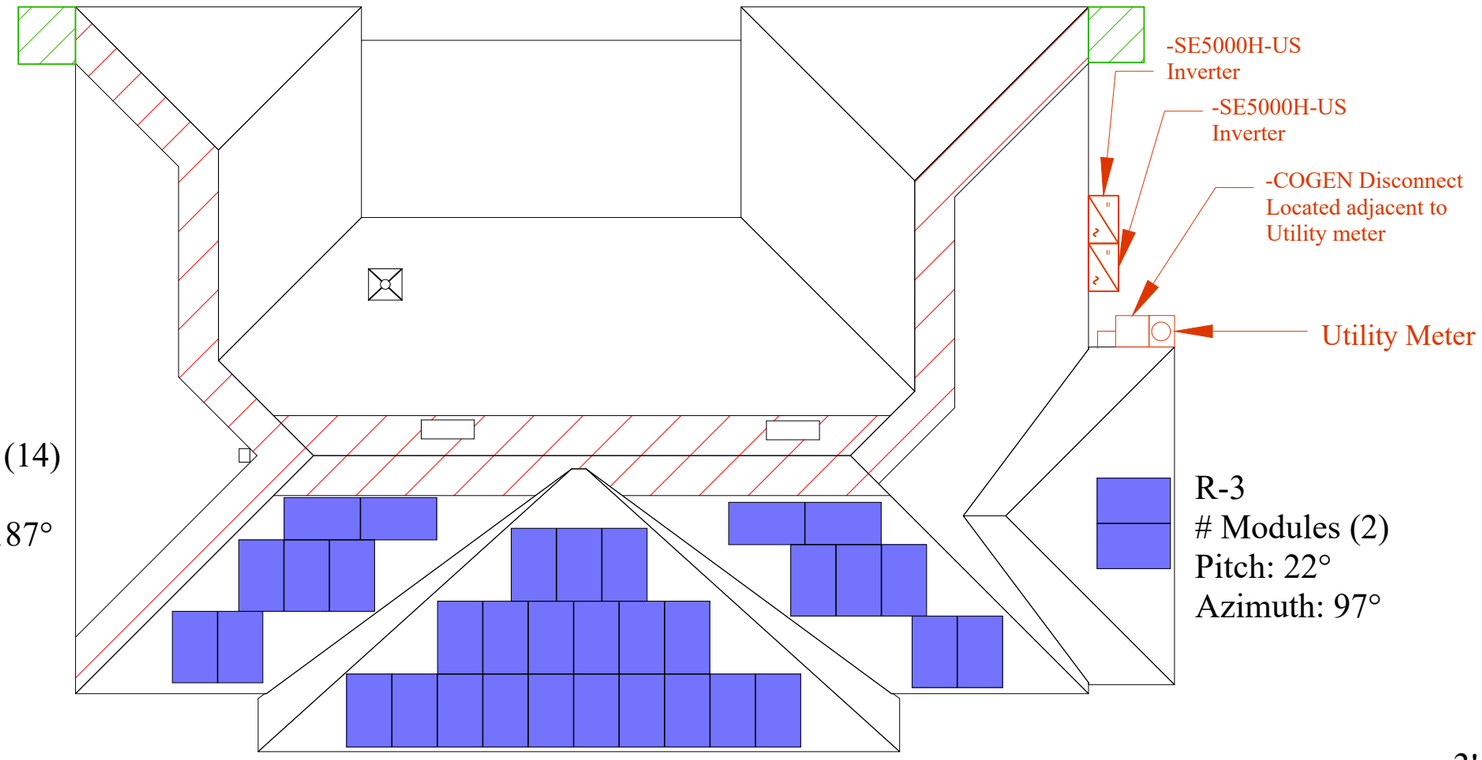
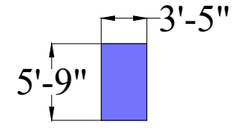
605 W Lumsden Rd,
Brandon, FL 33511
855-577-7999



R-2
Modules (14)
Pitch: 22°
Azimuth: 187°

R-3
Modules (2)
Pitch: 22°
Azimuth: 97°

R-1
Modules (19)
Pitch: 22°
Azimuth: 187°



Layout Subject to Change Based on Site Conditions

FRONT OF HOUSE

System meets the requirements of NFPA 70th Edition, Chapter 11.12

Install will be done to Manufacturer Spec

Legend

3' 1'-6" First responder access
Ground Access
Chimney
Satellite
Utility Meter
Vent Pipe
PV Disconnect
SolarEdge Inverter

Meets All Editions of Florida Fire Prevention Code 2020 7th Edition
Meets all requirements of NFPA-1 7th Edition and NFPA-101

3' Access Pathway

Represents all Fire Clearance including Alternative methods

1st Responder Access minimum of 36" unobstructed as per Section R324 of the 2020 IRC

Meets the requirements of the following- (2020 FL Residential Code & FBC, 7th Edition (2020 International Residential Code) - 2nd Printing modified by the FL Building Standards, 2020 Florida Building Energy Conservation Code 7th edition, County of Columbia Code, 2017 National Electric Code.)

Customer Info:

Jose Moreno
359 SW Ridgeview Pl
Lake City , FL
32024

Godwin Engineering and Design, LLC
8378 Foxtail Loop
Pensacola, FL 32526
D. Chad Godwin, PE
Chad@godwineng.com

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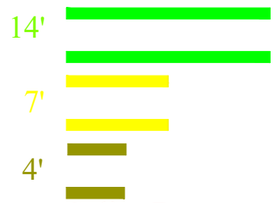
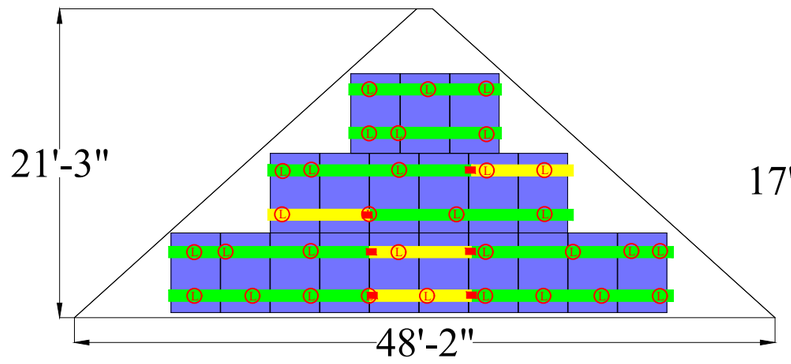
N
Compass for Aerial

Iron Ridge XR-10 Rail



6	Splice Bar
74	Unirac Flashloc
90	Iron Ridge UFO's
40	Iron Ridge Sleeves/End Caps
3	Roof Top Combiner
10	Iron Ridge Ground Lugs
35	Q.PEAK DUO BLK-G6+/TS 340
2	SolarEdge SE5000H-US
1	60A Fused Disconnect
2	60A Fuses
35	S440 Optimizer
1	125A Load Center
2	30A Breakers



R-1
Modules (19)
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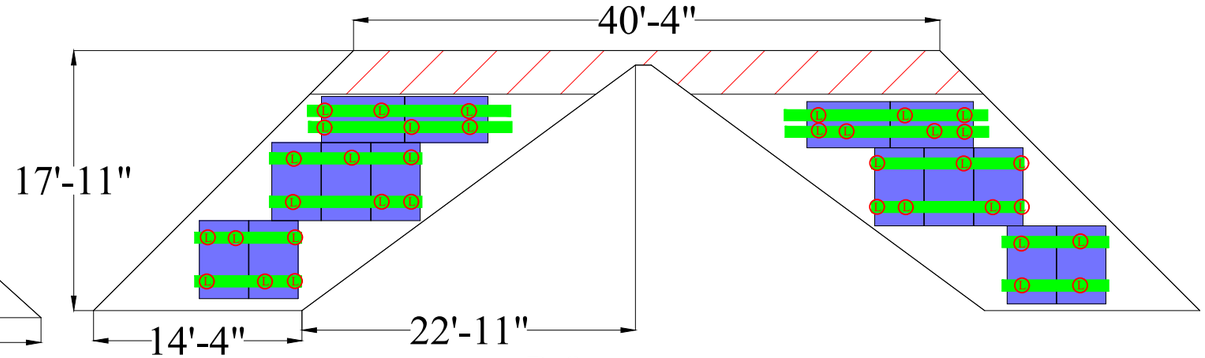
Azimuth: 187°



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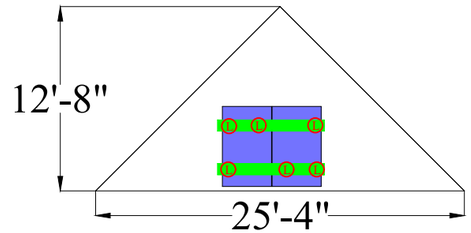

R-3
Modules (2)
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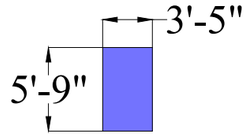

Proposed Mounting locations

Plans satisfy zones FBC-1510.7.1
Install will be done to Manufacturer Spec

Zone 1:	Max cantilever is 24" as per manufacturer spec. Max Cantilever = Max Span * (⅓)=72"*(⅓)=24"
Zone 2e:	Max cantilever is 16" as per manufacturer spec. Max Cantilever = Max Span * (⅓)=48"*(⅓)=16"
Zone 2r:	Max cantilever is 16" as per manufacturer spec. Max Cantilever = Max Span * (⅓)=48"*(⅓)=16"
Zone 3:	Max cantilever is 16" as per manufacturer spec. Max Cantilever = Max Span * (⅓)=48"*(⅓)=16"

Inverter Type:	(2) SolarEdge SE5000H-US
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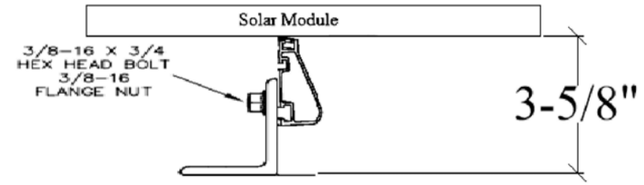
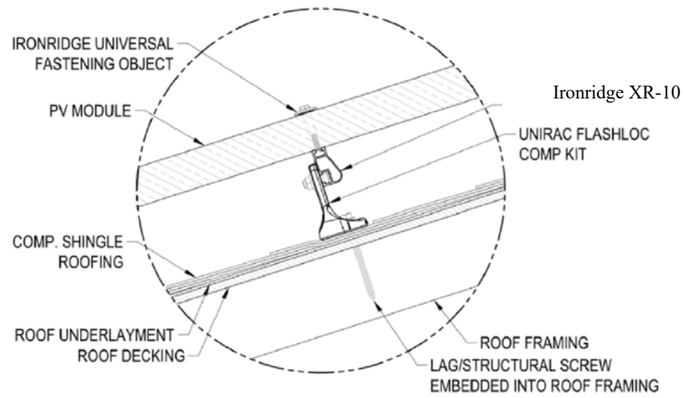
Ironridge XR-10





Ironridge XR-10

Install will be done to Manufacturer Spec

General Notes:
- Flashlocs are secured to roof rafters.
@ 72" O.C. in Zone 1, @ 48" O.C in Zone 2e,
@ 48" O.C. in Zone 2r, @ 48" O.C in Zone 3
using 5/16" x 4" stainless steel Lag bolts.
- Subject roof has One layer.
- All penetrations are sealed and flashed.

Roof Section	Pitch	Roof Rafter and Spacing	Overhang	Notes:
R1-R3	5/12	2"x4" @ 24 O.C.	12"	Truss

-Roof Height 15'
-Per 2020 FBC, the Roof Mounted PV System will be subject to the following design criteria: Design Wind Speed(Vult) - 120mph 3 sec gust, Exposure Category - C
-Designed as per ASCE7-16

Inverter Type: (2) SolarEdge SE5000H-US
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