



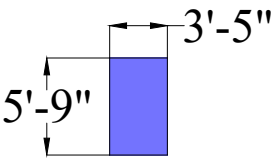
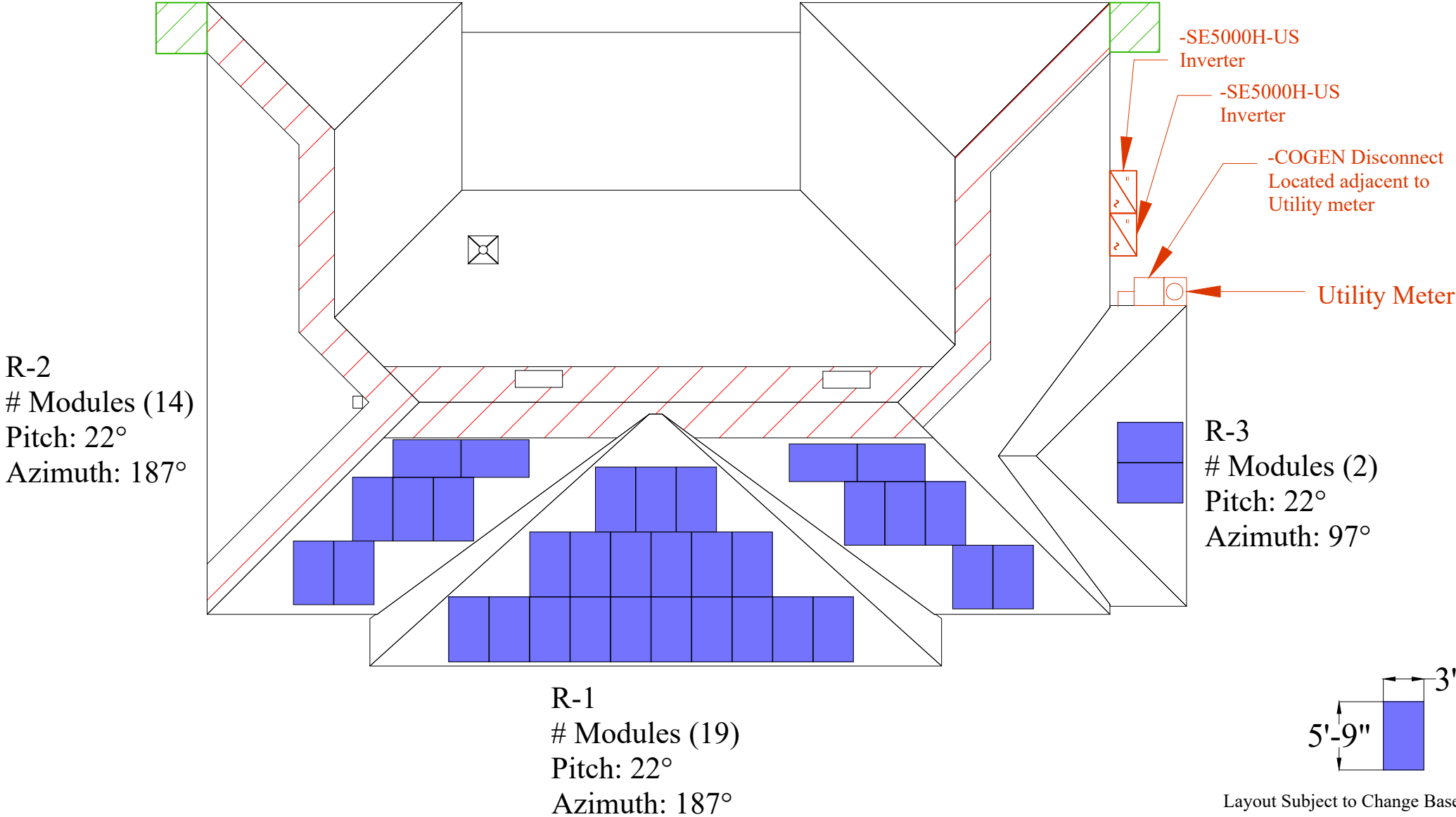
Inverter Type: (2) SolarEdge SE5000H-US
PV Panel: (35) Q.PEAK DUO BLK-G6+/TS 340
Racking: Iron Ridge XR-10
Total Wattage: 11,900W DC
Roof Type: Composition Shingles
Wind Load: 20 to 27 Deg
Fastener Type: Use Unirac Flashlocs

Sheet Index	
S-1	Cover Sheet / Site Plan
S-2	Detail
E-1	One - Line
E-2	Electrical Code
S-1A	Mounting Plan

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.



605 W Lumsden Rd,
Brandon, FL 33511
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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' First responder access
- 1'-6" First responder access
- Ground Access
- Chimney
- Utility Meter
- Satellite
- PV Disconnect
- Vent Pipe
- SolarEdge Inverter

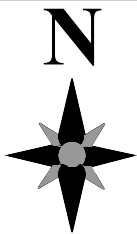
Meets All Editions of Florida Fire Prevention Code 2020 7th Edition
Meets all requirements of NFPA-1 7th Edition and NFPA-101
3' Access Pathway
Represents all Fire Clearance including Alternative methods
1st Responder Access minimum of 36" unobstructed as per Section R324 of the 2020 IRC

Customer Info:

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32024

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Drawn by: CC
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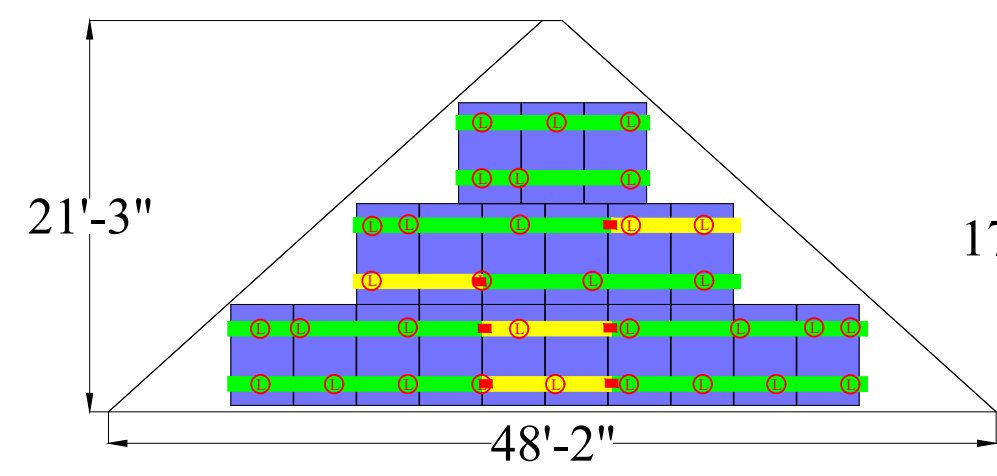


Compass for Aerial

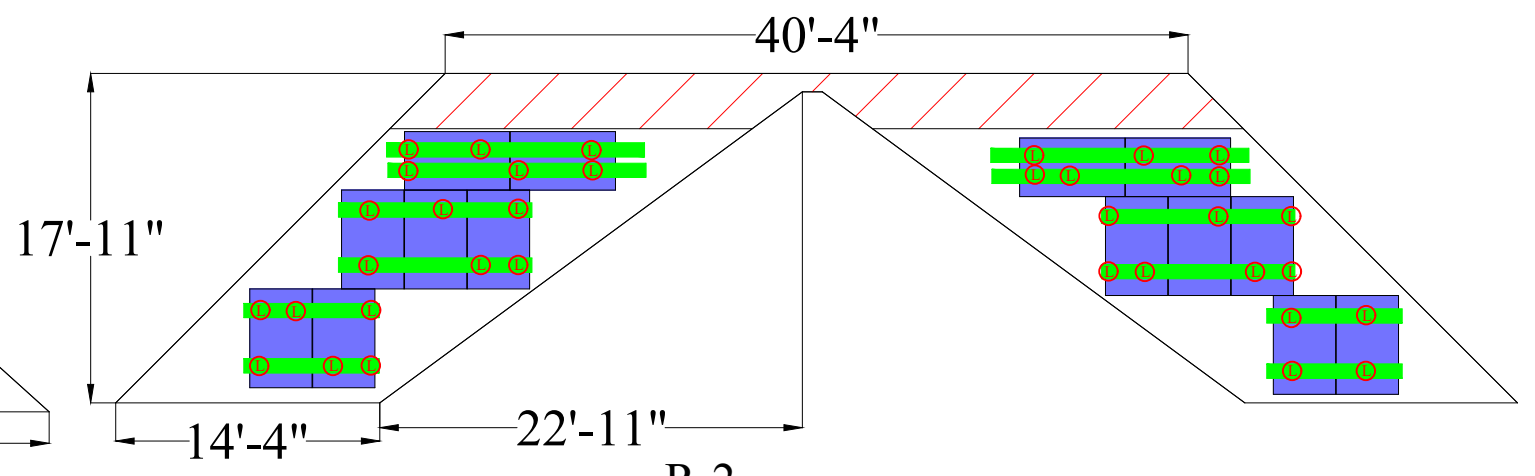
Meets the requirements of the following- (2020 FL Residential Code & FBC, 7th Edition (2020 International Residential Code) - 2nd Printing modified by the FL Building Standards, 2020 Florida Building Energy Conservation Code 7th edition, County of Columbia Code, 2017 National Electric Code.)

Ⓛ ← Proposed Mounting locations

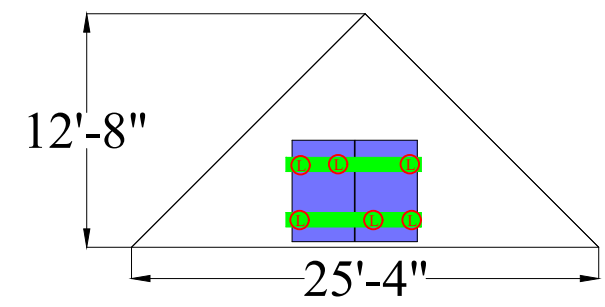
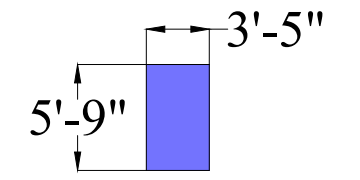
- Iron Ridge XR-10 Rail
- 14' 24
 - 7'
 - 4'
- 6 ■ Splice Bar
- 74 Unirac Flashloc
- 90 Iron Ridge UFO's
- 40 Iron Ridge Sleeves/End Caps
- 3 Roof Top Combiner
- 10 Iron Ridge Ground Lugs
- 35 Q.PEAK DUO BLK-G6+/TS 340
- 2 SolarEdge SE5000H-US
- 1 60A Fused Disconnect
- 2 60A Fuses
- 35 S440 Optimizer
- 1 125A Load Center
- 2 30A Breakers



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



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



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

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 * (1/3)=72"*(1/3)=24"

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


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

Zone 3: Max cantilever is 16" as per manufacturer spec.
Max Cantilever = Max Span * (1/3)=48"*(1/3)=16"

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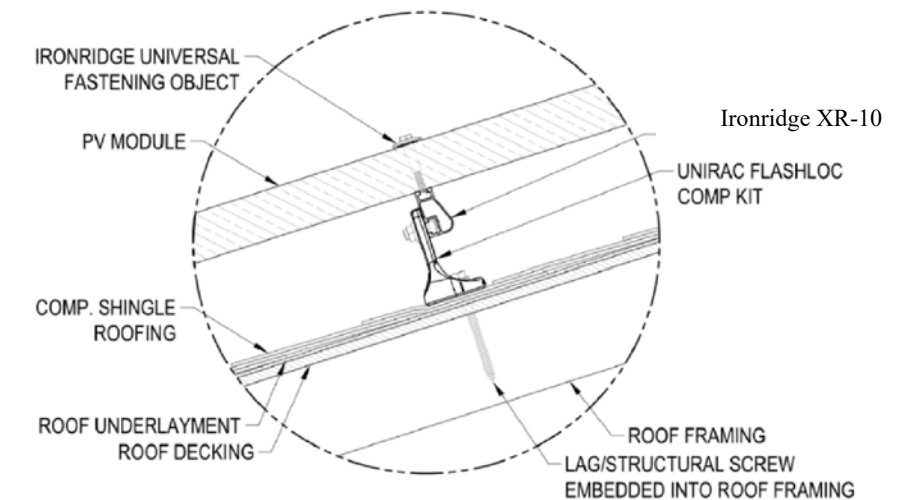
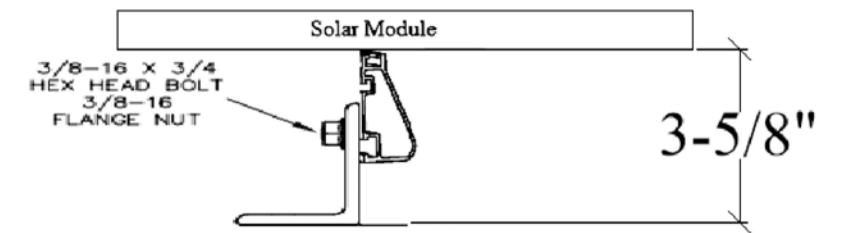
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Ironridge XR-10



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 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		Customer Info: Jose Moreno 359 SW Ridgeview Pl Lake City , FL 32024

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