

Product Evaluation Report SENTRIGARD METAL ROOFING SYSTEMS ASSOCIATION, INC., an NB HANDY COMPANY

Sentrigard ML 200AH, 0.032" Aluminum 19" Wide Roof Panel over 22 Ga. Steel Deck

Florida Product Approval # 9860.2 R6

Florida Building Code 2020 Per Rule 61G20-3 Method: 1 –D

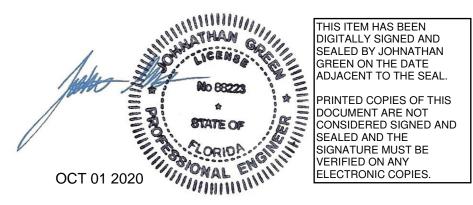
Category: Roofing Subcategory: Metal Roofing Compliance Method: 61G20-3.005(1)(d) HVHZ

Product Manufacturer: Sentrigard Metal Roofing Systems Association, Inc., an NB Handy Company 65 10th Street Lynchburg, Virginia 24502

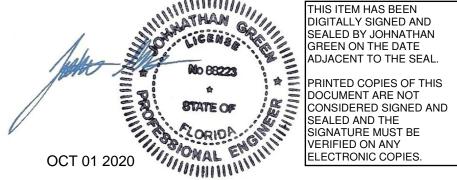
> Engineer Evaluator: Johnathan Green, P.E. #88223 Florida Evaluation ANE ID: 12901

> > Validator: Brian Jaks P.E. #70159

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Allowable Design Uplift Pressures:

| Allowable Design Uplift Pressures: | Table "A" | | | |
|------------------------------------|--|---|--|--------------------------|
| | Maximum Total Uplift Design Pressure: | 71.0 psf | 138.5 | |
| | Clip Spacing: | 24″ O.C. | 6" O.C. | |
| | # Fasteners per Clip: | 2 | 2 | |
| | *Design Pressure includes a Safety Factor = | 2.0. | | |
| Code Compliance: | The product described herein has demonstrated compliance with The Florida Building Code 2020, Section 1504.3.2, 1518.9, 1523.6.5.2.4. | | | |
| Evaluation Report Scope: | The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2020, as relates to Rule 61G20-3. | | | |
| Performance Standards: | The product described herein has de TAS 125-03 UL 580-06 - Test for Uplift I UL 1897-2012 - Uplift Test TAS 100-95 - Test Procedur of Discontinuous Roof Syst TAS 110-00 - Accel. Weather | Resistance of F for Roof Cover re for Wind an ems | Roof Assemblies ring Systems d Wind Driven F | s Rain Resistance |
| Reference Data: | TAS 125-03: UL 580-94 / 1897-94 Force Engineering & Testing, Inc. Report No. 72-0084T-08* TAS 100-95 Farabaugh Engineering & Testin Report No. T164-08* TAS 110-00: Valspar Fluropon co A) ASTM G 155 B) ASTM B 117 Miami-Dade County Dept. of Regulatory and Econom Notice of Acceptance (NOA) 19- Sentrigard Metal Roofing Syster Certificate of Independence By Johnathan Green, P.E. #8822 | c. (FBC Organiz g, Inc. (FBC Or pated metal pa nic Resources 0722.08; Expin ns Association | ganization # TS anel testing Board and Code res 08/25/2025 | T-1654) e Admin. Div. |
| OCT 01 | Mo 88223 No 88223 STATE OF 2020 | PRINTED CO DOCUMENT | IGNED AND JOHNATHAN 'HE DATE O THE SEAL. 'PIES OF THIS ARE NOT D SIGNED AND O THE MUST BE J ANY | |



Test Standard Equivalency:

- 1. The UL 580-94 test standard is equivalent to the UL 580-06 test standard.
- 2. The UL 1897-98 test standard is equivalent to the UL 1897-2012 test Standard.

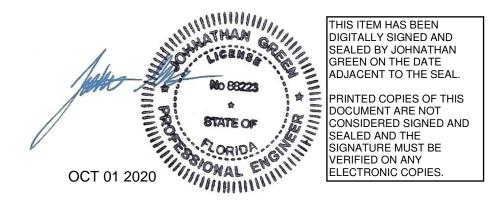
Quality Assurance Entity:

The Report Holder has demonstrated compliance with Florida Building Code and Rule 61G20-3.005 (3) for manufacturing locations audited by an approved quality assurance entity (Keystone Certifications, Inc – FBC Org ID QUA 1824). A listing of manufacturers authorized by the Report Holder to employ the Florida Product

Approvals qualified by this report can be found at <u>http://www.keystonecerts.com/qa-assoc/sentrigard</u> or by scanning the following QR Code:



| Minimum Slope Range: | 2:12. Minimum Slope shall comply with Florida Building Code 2020, including Sections 1515.2.2 and in accordance with Manufacturers recommendations. | |
|----------------------|--|--|
| Installation: | Install per manufacturer' recommended details and RAS 133. | |
| Underlayment: | Per Manufacturer's installation guidelines per Florida Building Code 2020 Section 1518.2, 1518.3, 1518.4. | |
| Fire Barrier: | ½" Georgia Pacific "Dens Deck" or manufacturer approved equal with current NOA. | |
| Insulation: | 1"-4" thick Polyiso rigid insulation, min. 20 psi compressive strength. Manufacturer approved with current NOA and conforming to Florida Building Code 2020. | |





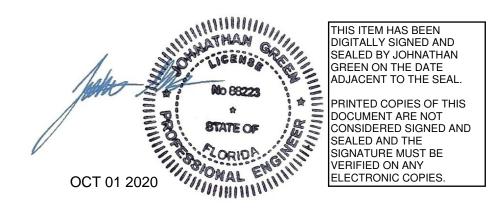
Shear Diaphragm:

Shear diaphragm values are outside the scope of this report.

Design Procedure:

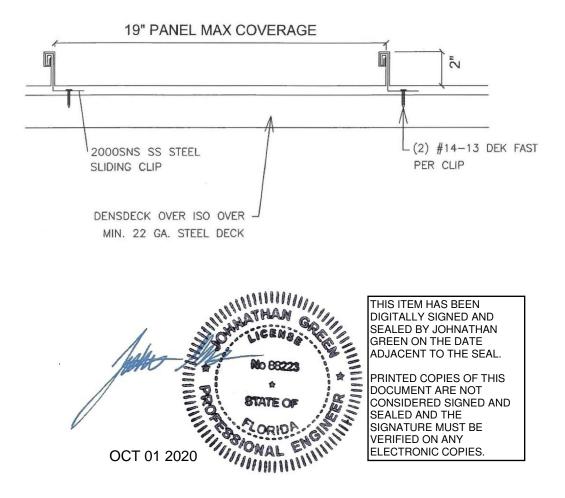
Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2020 for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable pressure listed above. The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be in compliance with Florida Building Code 2020 Chapter 22 for steel, Chapter 23 for wood and Chapter 16 for structural loading.

*The Test Reports are owned by Metalforming, Inc. Metalforming, Inc. gives the above manufacturer permission to use these test reports.





SENTRIGARD ML 200AH 0.032" ALUMINUM SSR PANEL





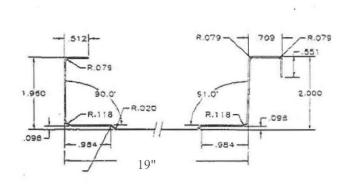
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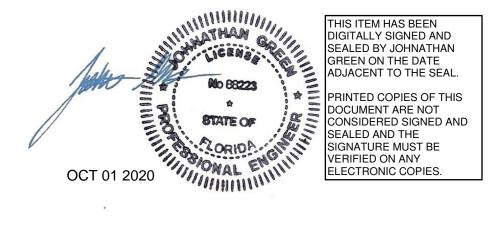
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2 Inch Mechanical Lock Panel

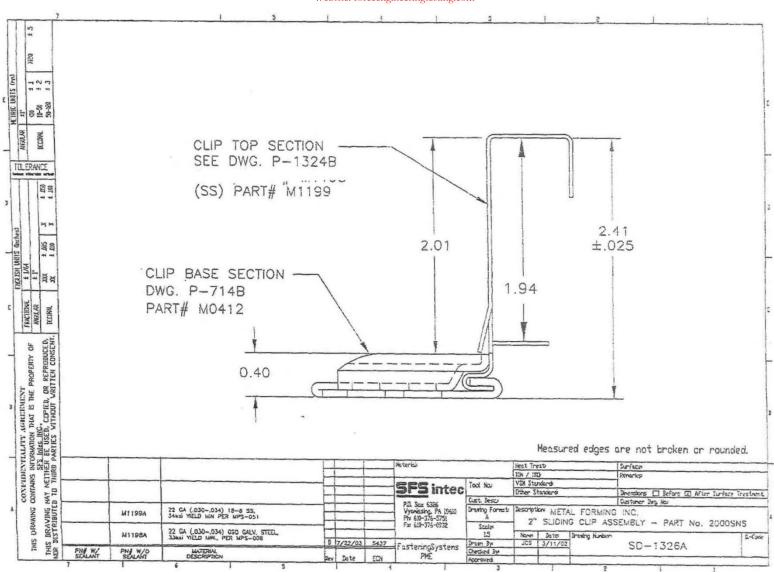
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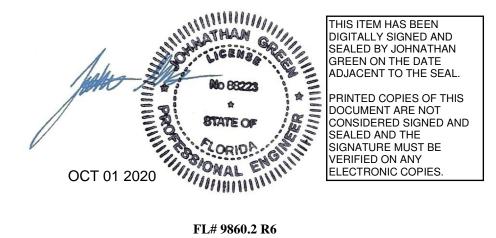
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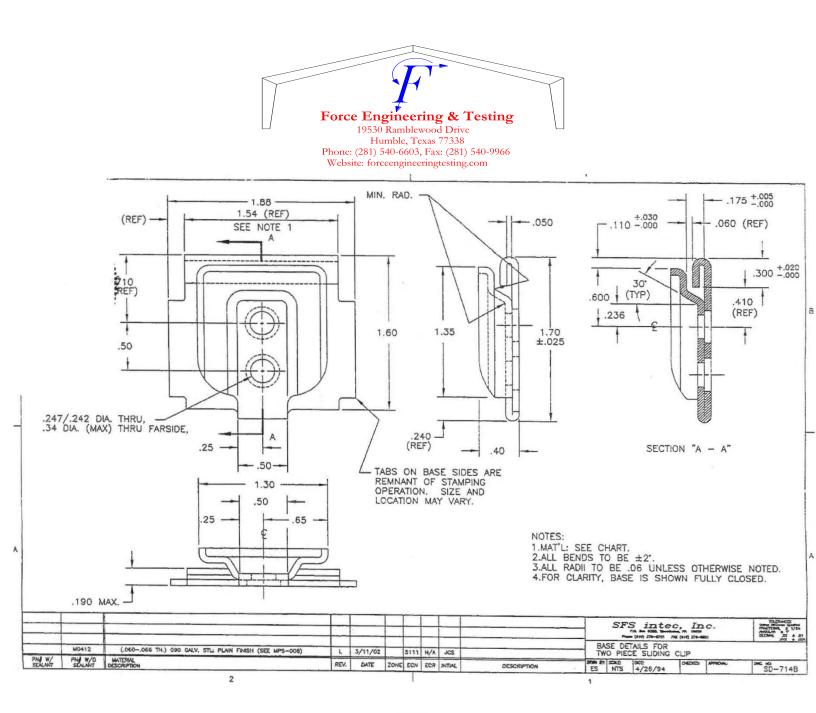


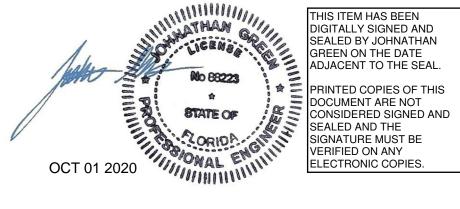


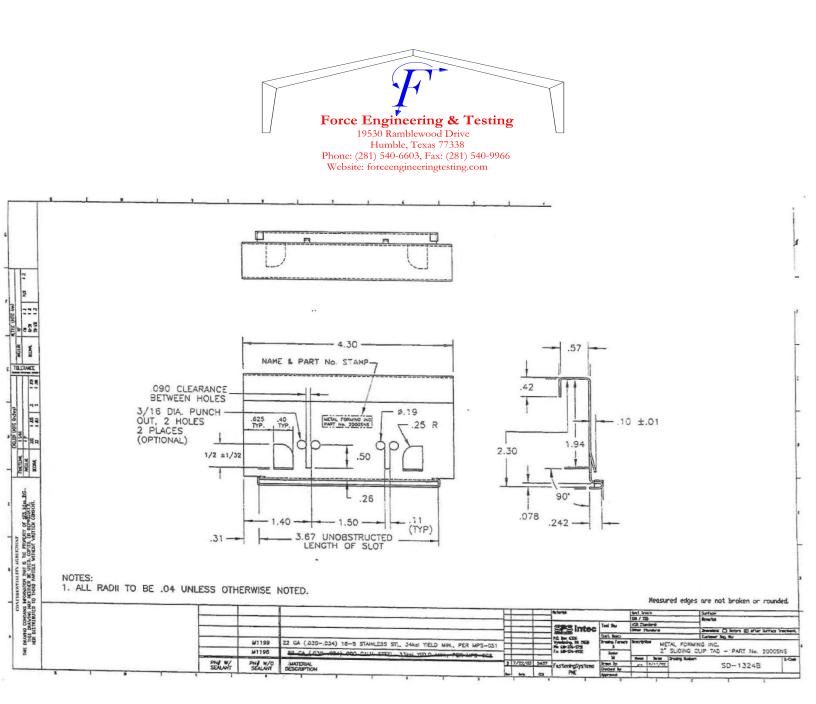


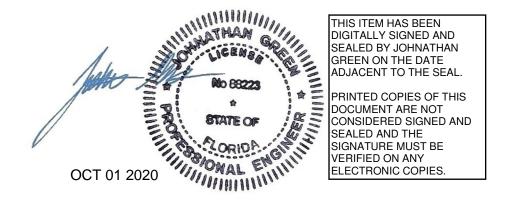




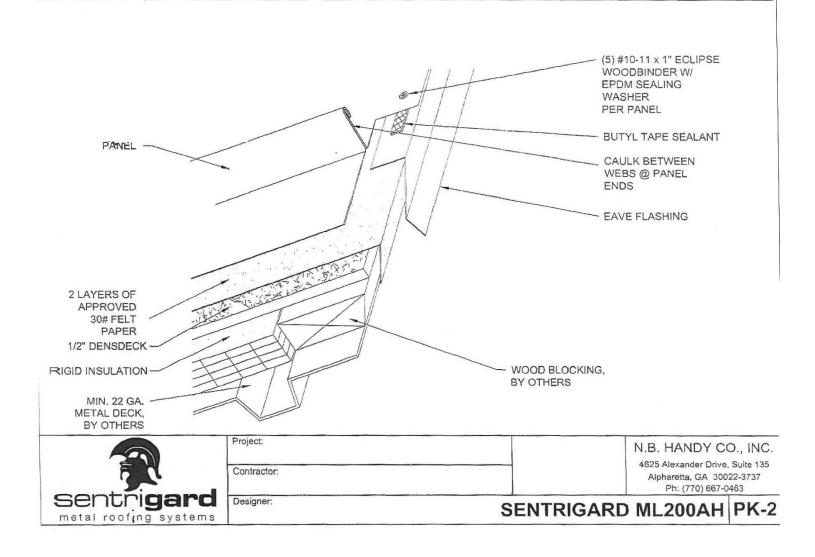


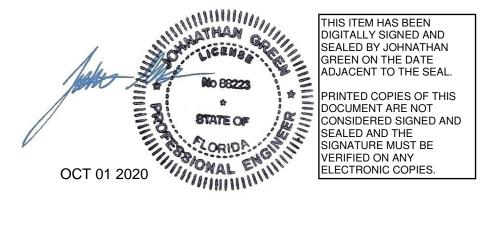




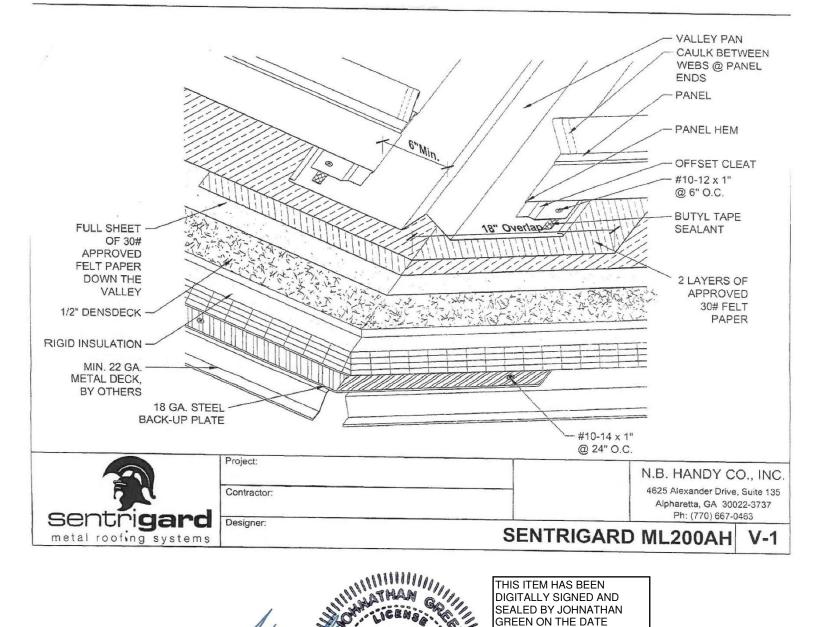


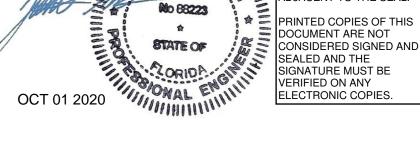




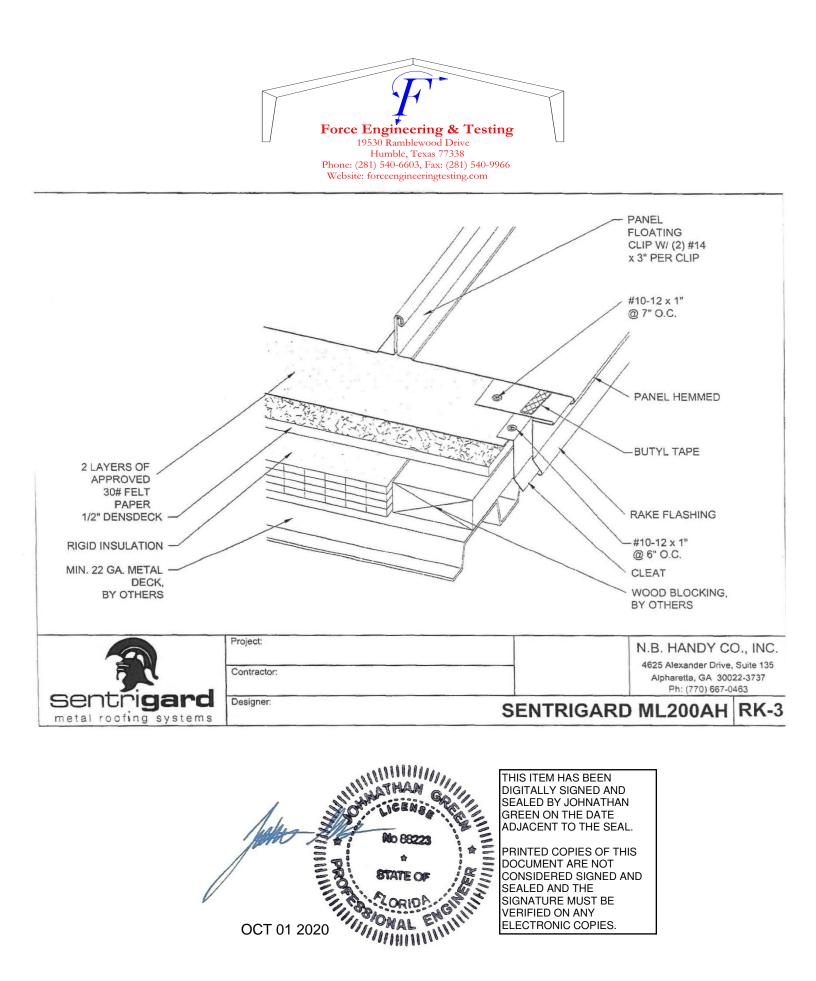


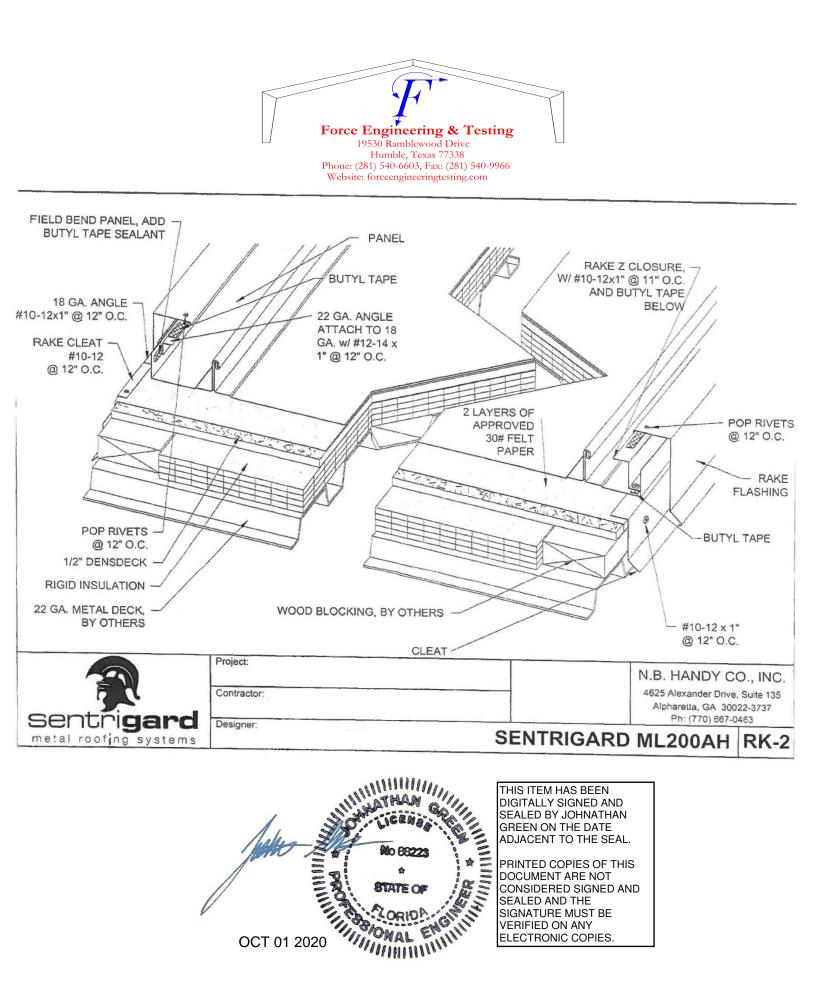






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