

PRODUCT EVALUATION REPORT

Project No.: ACE-2024-124

Report No.: ACE-PER-1157, Rev. 0

Product Description: SRS3-1.5 20 ga. Metal Roof Panels

Product Manufacturer: Centria, 700 State Highway 121 Bypass, Suite 200, Lewisville, TX 75067

Compliance Method: Product Approval Rule 61G20-3.005(1)(d) – Product Evaluation Report by a Licensed Professional Engineer

Code: Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

Product Category/Sub-Category: Structural Components/Roof Deck

Installation Drawings:

- Centria Installation Instructions. Drawing No. D-1, D-2, D-3 and D-4 drawing package, Rev. 1, dated 3/31/20, signed and sealed by Robert J. Amoruso, P.E., FL License Number 49752

Testing:

Test Agency	Test Report No.	Test Report Date	Test Name & ASTM Standard	ASTM Standard Year
Chemical Dynamics LLC	Three reports, no ID numbers.	7/28/07 10/9/07 10/9/07	Salt Spray, ASTM B117-85 (in accordance with TAS 110, Table 10)	1985
	Various test reports at 1000 hrs. to 5000 hrs. testing	Various dates in 2007	Accelerated Weathering, D4587 and G154 (in accordance with TAS 110, Table 10)	Not recorded
Farabaugh Engineering and Testing Inc	T121-13, Daniel G. Farabaugh, P.E.	02/22/13	TAS 100	1995
	T157-13, Daniel G. Farabaugh, P.E.	03/26/13	TAS 125 (UL 580)	2003

Engineering Evaluation:

- Wind Uplift Test Report Results per TAS 125 (Report No. T157-13)
 - Clip Spacing at 4' – 0"
 - Maximum Total Uplift Pressure = 158 psf
 - Design Pressure = $158/2 = 79$ psf (test pressure / 2 per Section 1504 and 1523, 2020 FBC)
 - Clip Spacing at 1' – 6"
 - Maximum Total Uplift Pressure = 278 psf

- Design Pressure = $278/2 = 139$ psf (test pressure / 2 per Section 1504 and 1523, 2020 FBC)
- Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems per TAS 100 (Test Report T121-13)
 - Passed – No Water Leakage
- Accelerated Weathering and Salt Spray testing (see testing list above) per TAS 110, ASTM B117 and G23 (superseded by G152 or G154)
 - ASTM D4587 and G154 Accelerated Weathering passed.
 - ASM B117 Salt Spray Testing passed.

Limitations & Conditions of Use:

- This product has been evaluated for use inside the High Velocity Hurricane Zone (HVHZ).
- This product has not been tested for impact rating in wind borne debris regions.
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to substrate structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code (and/or ASCE 7 as referenced in the current edition of the Florida Building Code) for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.

**Certificate of Independence per Product
Approval Rule 61G20-3.009**

Robert J. Amoruso, P.E., does not have, nor will he acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

Robert J. Amoruso, P.E., does not have, nor will he acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.



Digitally signed
by Robert J
Amoruso

Date:
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Evaluated by:
Robert J. Amoruso, P.E.
FL P.E. License No. 49752