
EQUIVALENCY EVALUATION REPORT	
Project No.: ACE-2026-157	Report No.: ACE-EER-1156, Rev. 1

Product Description: SDP-175, SDP-200 and SRS 3-1.5 Standing Seam Metal Roof System

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

Code: Current Edition of the Florida Building Code including the 9th Edition (2026) Florida Building Code

Compliance Method: Product Approval Rule 61G20-3.015(4)(d) – Equivalency of Standards

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

SCOPE: Evaluate CENTRIA's SDP-175, SDP-200 and SRS 3-1.5 Standing Seam Metal Roof System for conformance to the 9th Edition (2026) Florida Building Code excluding the High Velocity Hurricane Zone (HVHZ).

TESTING STANDARDS:

Testing standards used in Reference 2 include the following.

- 1991 Army Corps of Engineers *Standard Test and Methods for Structural Performance of SSMRS By Uniform Static Air Pressure Differences*
- ASTM E1592-95 Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference
- ASTM E1592-94 Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference

DESIGN STANDARD:

Design standard used in Reference 3.a.

- AISI S100-07/S2-10, North American Specification for the Design of Cold-formed Steel Structural Members

EVALUATION OF TEST STANDARDS:

Army Corp of Engineers specifications for Metal Roofing Systems used for military specifications were commonly applied to commercial and residential product testing until wide-spread usage of ASTM E1592.

Those standards, past and present include:

- 1991 Army Corps of Engineers *Standard Test and Methods for Structural Performance of SSMRS By Uniform Static Air Pressure Differences*

- USACOE CEGS-07416 STRUCTURAL STANDING SEAM METAL ROOF (SSSMR) SYSTEM
 - **Corps of Engineers Guide Specifications for Construction (CEGS) was superseded by Unified Facilities Guide Specifications (UFGS), effective March 2001**
- Unified Facilities Guide Specifications UFGS-07 41 13 requires ASTM E1592 Testing.
 - Current requirements included adoption of ASTM E1592 for military specifications.

The above requirements and those of ASTM E1592-94 and ASTM E1592-95 have been compared to that of ASTM E1592-05(2017) required by 9th Edition (2026) FBC and found to be consistent.

Therefore, it is concluded that testing (Reference 2) used for developing Load/Span results is in conformance with the 9th Edition (2026) Florida Building Code.

EVALUATION OF DESIGN STANDARD:

The 9th Edition (2026) Florida Building Code (FBC & FRC) requires AISI S100-16(2020) w/S2-20 to be used for cold-formed steel design.

The engineering evaluation in Reference 3.a has been reviewed against the requirements of AISI S100-16(2020) w/S2-20 and found to be compliant with its requirements.

Therefore, this product and its engineering evaluations meet the requirements of the 9th Edition (2026) Florida Building Code (FBC).

REFERENCES & SUPPORTING DOCUMENTS:

- 1) Manufacturer's Installation Instructions:
 - a. SDP-175 Standing Seam Metal Roof System, Signed & Sealed by Robert J. Amoruso, P.E.
 - b. SDP-200 Standing Seam Metal Roof System, Signed & Sealed by Robert J. Amoruso, P.E.
 - c. SRS 3-1.5 Standing Seam Metal Roof System, Signed & Sealed by Robert J. Amoruso, P.E.
- 2) Tests to ASTM E1592
 - a. SDP-172, Farabaugh Engineering and Testing, Inc. (FET)
 - i. FET T202-00, 24 GA / 18" Wide, 5' Spans, ASTM E1592-95
 - ii. FET T203-00, 22 GA / 18" Wide, 5' Spans, ASTM E1592-95
 - iii. FET T205-00, 24 GA / 12" Wide, 5' Spans, ASTM E1592-95
 - iv. FET T204-00, 22 GA / 12" Wide, 5' Spans, ASTM E1592-95
 - v. FET T212-00, 24 GA / 18" Wide, 2' Spans, ASTM E1592-95
 - vi. FET T208-00, 22 GA / 12" Wide, 2' Spans, ASTM E1592-95
 - b. SDP-200, ENCON Consultants, Inc. (ENCON)
 - i. ENCON C456-6, 24 GA / 18" Wide, Various Spans, ASTM E1592-94
 - ii. ENCON C456-7, 22 GA / 18" Wide, Various Spans, ASTM E1592-94
 - iii. ENCON C456, 24 GA / 16" Wide, Various Spans, ASTM E1592-94
 - iv. ENCON C456-9, 22 GA / 16" Wide, Various Spans, ASTM E1592-94

- c. SRS 3-1.5 w/o Deflection Limiters, Smith-Steelite (SS SCOE) or Farabaugh Engineering and Testing, Inc. (FET){* 1991 Army Corps of Engineers *Standard Test and Methods for Structural Performance of SSMRS By Uniform Static Air Pressure Differences*}
 - i. SS SCOE 26 SRS3-1.5-24 GA /18" Wide, 2.5' Span, ASTM E1592 equivalent *
 - ii. SS SCOE 18 SRS3-1.5-22 GA /18" Wide, 2.5' Span, ASTM E1592 equivalent *
 - iii. SS SCOE 25 SRS3-1.5-24 GA / 18" Wide, 5' Span, ASTM E1592 equivalent *
 - iv. SS SCOE 14 SRS3-1.5-22 GA / 18" Wide, 5' Span, ASTM E1592 equivalent *
 - v. FET T196-00, 20 GA / 12" Wide, 3' Spans, ASTM E1592-95
 - vi. FET T194-00, 20 GA / 12" Wide, 2' Spans, ASTM E1592-95
- d. SRS 3-1.5 w/Deflection Limiters, Smith-Steelite (SS SCOE) or Farabaugh Engineering and Testing, Inc. (FET) {* 1991 Army Corps of Engineers *Standard Test and Methods for Structural Performance of SSMRS By Uniform Static Air Pressure Differences*}
 - i. SS SCOE 32, 24 GA / 18" Wide, 2.5' Spans, ASTM E1592 equivalent *
 - ii. SS SCOE 27, 22 GA / 18" Wide, 2.5' Spans, ASTM E1592 equivalent *
 - iii. SS SCOE 28, 22 GA / 18" Wide, 5' Spans, ASTM E1592 equivalent *
 - iv. SS SCOE 31, 24 GA / 18" Wide, 5' Spans, ASTM E1592 equivalent *
 - v. FET T211-00, 20 GA / 12" Wide, 3' Spans, ASTM E1592-95
 - vi. FET T217-00, 20 GA / 12" Wide, 2' Spans, ASTM E1592-95

3) Reports

- a. Report No. ACE-PER-1156, Appendix 2, Panel Span Analysis for Centria SDP-175, SDP-200 and SRS 3-1.5 Standing Seam Metal Roof System to AISI S100-07/S2-10, Signed & Sealed by Robert J. Amoruso, P.E.
- b. Report No. ACE-PER-1156, Product Evaluation for Centria SDP-175, SDP-200 and SRS 3-1.5 Standing Seam Metal Roof System to the 9th Edition (2026) FBC & 9th Edition (2026) FRC, Signed & Sealed by Robert J. Amoruso, P.E.

4) 9th Edition (2026) Florida Building Code (FBC), Building Volume

- a. 1504.3.2 Metal panel roof system
 - i. Tested to ASTM E1592
- b. 1507.4.3 Metal Roof Panels - Material Standards
 - i. Galvanized steel, ASTM A653, G-90 zinc-coated.
- c. 1507.4.4 Attachment
- d. Table 1604.3 Deflection Limits
 - i. Roof/Not Supporting Ceiling, deflection for wind loading limited to L/180.
- e. 1609 Wind Loads
- f. 2210.1 Cold-Formed Steel, General
- g. Chapter 35, ASTM E1592-05(2017), referenced in Section 1504.3.2

5) Standards used in engineering evaluation.

- a. AISI S100-07/S2-10, North American Specification for the Design of Cold-formed Steel Structural Members

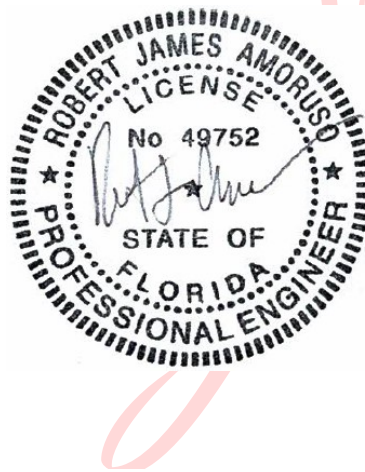
6) Standards required by 9th Edition (2026) FBC.

- a. AISI S100-16(2020) w/S2-20, North American Specification for the Design of Cold-formed Steel Structural Members

**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.
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