

Equivalency Evaluation Report

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Product Manufacturer

CENTRIA
1550 Coraopolis Heights Road
Suite 500
Moon Township, PA 15108

Product Name, Model and/or Description

See List Below

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 Name, Model and/or Designation: Products covered by this evaluation include the following.

- Formawall Dimension Series/Formawall Dimension Series Graphix 3”T Panels, 30” Module
- Formawall Dimension Series 2” Panels, 36” Module
- Formawall Dimension Series/Formawall Dimension Series Graphix 2-1/2” Panels, 36” Module
- Formawall Dimension Series/Formawall Dimension Series Graphix 3”T Panels, 36” Module

EQUIVALENCY EVALUATION:

Performance Testing Equivalency Evaluation per Product Approval Rule 61G20-3.015(4)(d):

The table below equates performance testing standard revision levels and compares them to the revision level in the Current Edition of the FBC – Test Protocols.

Standard Used in Testing	Standard as Listed in Current Edition FBC/FRC
TAS 201-1994	TAS 201-1994
TAS 202-1994	TAS 202-1994
TAS 203-1994	TAS 203-1994
ASTM E8-04	Not in FBC or FRC
ASTM E84-16	ASTM E84-24
ASTM D1929-16	ASTM D1929-20

Based upon my review of the test reports, test methods and results as well as the standards used in testing, it was determined this product meets the testing requirements of the Current Edition of the Florida Building Code.

Design Standards Equivalency Evaluation per Product Approval Rule 61G20-3.015(4)(d):

Fastener Design Safety factors used in engineering evaluation (Reference 3.i and 3.ii) are as prescribed in AISI S100-07/S2-10. Fastener allowable is based on a safety factor of 3. Deflection limitation based on L/240 which exceeds L/120 required by the building code.

Amoruso Consulting Engineering, LLC
FBPE Registration No. 38327
Robert J. Amoruso, FL P.E. No. 49752

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

The engineering evaluations in Reference 3 has been reviewed against the requirements of AISI S100-16(2020) w/S2-20 required in the 9th Edition FBC 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) INSTALL_FWDS_FWGS_36in Installation Details, Rev. 1
 - i) For 36" Maximum Panel Module Formawall Dimension Series 2" and Formawall Dimension Series /Formawall Dimension Graphix Series 2-1/2" and 3"T Panels, Signed and Sealed by Robert J. Amoruso, P.E.
 - b) INSTALL_FWDS_FWGS_30in Installation Details, Rev. 1
 - i) For 30" Maximum Panel Module Formawall Dimension Series/Formawall Dimension Graphix Series 3"T Panels, Signed and Sealed by Robert J. Amoruso, P.E.,
- 2) Testing
 - a) TAS 201, TAS 202 and TAS 203
 - i) Farabaugh Engineering and Testing Inc. Test Report No. T169-16, Dated 3/31/16, Signed and Sealed by Daniel G. Farabaugh, P.E. for Formawall Dimension Series 2" and Formawall Dimension Series/Formawall Dimension Graphix Series 3"T Panels. 36" Maximum Panel Module used in testing.
 - ii) Farabaugh Engineering and Testing Inc. Test Report No. T182-16, Dated 4/20/16, Signed and Sealed by Daniel G. Farabaugh, P.E. for Formawall Dimension Series/Formawall Graphix Series 3"T Panels. 30" Maximum Panel Module used in testing.
 - b) ASTM E8-04 testing
 - i) Farabaugh Engineering and Testing Inc. Test Report No. T169-16, Dated 3/31/16, Signed and Sealed by Daniel G. Farabaugh, P.E. for Formawall Dimension Series/Formawall Graphix Series 2" and 3"T Panels (22 GA (0.0269") G90 Galvanized Steel)
 - ii) Farabaugh Engineering and Testing Inc. Test Report No. T182-16, Dated 4/20/16, Signed and Sealed by Daniel G. Farabaugh, P.E. for Formawall Dimension Series/Formawall Graphix Series 3"T Panels (22 GA (0.0269") G90 Galvanized Steel)
 - c) Farabaugh Engineering and Testing Inc. Test Report No. T177-17, Dated 5/29/17, Uniform Load Test of CENTRIA FWDS & FWDS60 w/ Rubitherm (PIR) , Signed and Sealed by Daniel G. Farabaugh, P.E.
 - i) Used as basis for evaluation in Reference 3.ii.
 - d) ASTM E84-16 Flame Spread and Smoke Developed Index testing of foam core material in various thicknesses to envelope Formawall product.
 - i) Intertek Report No. F9712.08-121-24, dated 8/4/16, 2" foam
 - ii) Intertek Report No. F9712.09-121-24, dated 8/4/16, 2" foam
 - iii) Intertek Report No. F9712.01-121-24, dated 8/3/16, 3" foam
 - iv) Intertek Report No. F9712.02-121-24, dated 8/3/16, 3" foam
 - v) Intertek Report No. F9712.03-121-24, dated 8/3/16, 3" foam

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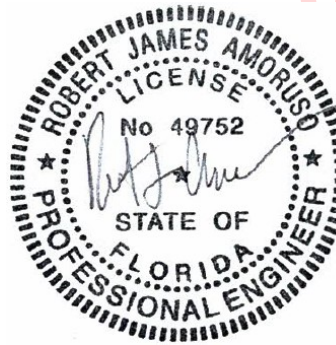
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- e) ASTM D1929-16 Self-Ignition and Flash- Ignition Temperature testing of foam core material
 - i) Intertek Report No. F9652.03-106-31, dated 8/23/17
- 3) Reports and Calculations
 - i) Calculation No. ACE-CALC-2436, Anchorage Analysis - Formawall Dimension Series/Formawall Graphix Series 2" and 3" T Panels, Signed and Sealed by Robert J. Amoruso, P.E.
 - ii) ACE/Centria Product Evaluation No.ACE-PER-2437-1, Rev. 0, Structural Comparison between Baytherm PIR & Rubitherm PIR, Formawall Dimension Series & Graphix Series
- 4) Standards used in design
 - a) AISI S100-07/S2-10, 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 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 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
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Robert J
Amoruso

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Evaluated by:
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