Listing and Technical Evaluation Report™

A Duly Authenticated Report from an Approved Agency

Report No: 1908-01

Issue Date: November 8, 2019

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Subject to Renewal: January 1, 2027

INDEVCO Building Wrap Products

Trade Secret Report Holder:

INDEVCO Building Products
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Phone: 804-876-9176
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Additional Listees:

Barricade® Building Products
10351 Verdon Rd
Doswell, VA 23047-1600
Phone: 840-876-3136
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Perma “R” Building Products
2604-Sunset Loop
Granada, MN 38901
Phone: 800-647-6130
Website: permarproducts.com

CSI Designations:

DIVISION: 07 00 00 - THERMAL AND MOISTURE PROTECTION

Section: 07 24 19 - Water-Drainage Exterior Insulation and Finish System

Section: 07 25 00 - Water-Resistive Barriers/Weather Barriers

Section: 07 27 00 - Air Barriers

1 Innovative Products Evaluated[1]

1.1 INDEVCO Building Wrap Products:

1.1.1 Barricade® Drainage Wrap Premium

1.1.2 Perma “R” Drainage Wrap Premium

1.1.2.1 Unless otherwise noted, where Barricade Drainage Wrap Premium is stated in this report, the provisions apply equally to Perma “R” Drainage Wrap Premium.

2 Product Description and Materials

2.1 The Barricade Drainage Wrap Premium logo is shown in **Figure 1**.

BARRICADE®
DRAINAGE WRAP PREMIUM

Figure 1. Barricade Drainage Wrap Premium Logo

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2.2 INDEVCO Building Wrap Products are made of a non-perforated, non-woven, polyolefin that is coated and has channels for water drainage.

2.3 *Material Availability*

2.3.1 *Standard Sizes:*

2.3.1.1 108" x 100'

2.3.1.2 108" x 150'

2.3.1.3 120" x 100'

2.3.1.4 120" x 150'

2.3.1.5 60" x 200'

2.3.1.6 36" x 200'

2.3.1.7 Custom sizes are available upon request.

2.4 As needed, review material properties for design in **Section 6** and the regulatory evaluation in **Section 8**.

3 Definitions[2]

3.1 New Materials[3] are defined as building materials, equipment, appliances, systems, or methods of construction, not provided for by prescriptive and/or legislatively adopted regulations, known as alternative materials.[4] The design strength and permissible stresses shall be established by tests[5] and/or engineering analysis.[6]

3.2 Duly authenticated reports[7] and research reports[8] are test reports and related engineering evaluations that are written by an approved agency[9] and/or an approved source.[10]

3.2.1 These reports utilize intellectual property and/or trade secrets to create public domain material properties for commercial end-use.

3.2.1.1 This report protects confidential Intellectual Property and trade secretes under the regulation, 18.US.Code.90, also known as Defend Trade Secrets Act of 2016 (DTSA).[11]

3.3 An approved agency is *"approved"* when it is ANAB ISO/IEC 17065 accredited. DrJ Engineering, LLC (DrJ) is accredited and listed in the ANAB directory.

3.4 An approved source is *"approved"* when a professional engineer (i.e., Registered Design Professional, hereinafter RDP) is properly licensed to transact engineering commerce. The regulatory authority governing approved sources is the state legislature via its professional engineering regulations.[12]

3.5 Testing and/or inspections conducted for this duly authenticated report were performed by an ISO/IEC 17025 accredited testing laboratory, an ISO/IEC 17020 accredited inspection body, and/or a licensed RDP.

3.5.1 The Center for Building Innovation (CBI) is ANAB[13] ISO/IEC 17025 and ISO/IEC 17020 accredited.

3.6 The regulatory authority shall enforce[14] the specific provisions of each legislatively adopted regulation. If there is a non-conformance, the specific regulatory section and language of the non-conformance shall be provided in writing[15] stating the nonconformance and the path to its cure.

3.7 The regulatory authority shall accept duly authenticated reports from an approved agency and/or an approved source with respect to the quality and manner of use of new materials or assemblies as provided for in regulations regarding the use of alternative materials, designs, or methods of construction.[16]

3.8 ANAB is an International Accreditation Forum (IAF) Multilateral Recognition Arrangement (MLA) signatory. Therefore, recognition of certificates and validation statements issued by conformity assessment bodies accredited by all other signatories of the IAF MLA with the appropriate scope shall be approved.[17] Thus, all ANAB ISO/IEC 17065 duly authenticated reports are approval equivalent,[18] and can be used in any country that is an MLA signatory found at this link: https://iaf.nu/en/recognised-abs/

3.9 Approval equity is a fundamental commercial and legal principle.[19]

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4 Applicable Local, State, and Federal Approvals; Standards; Regulations[20]

4.1 *Local, State, and Federal*

4.1.1 Approved in all local jurisdictions pursuant to ISO/IEC 17065 duly authenticated report use, which includes, but is not limited to, the following featured local jurisdictions: Austin, Baltimore, Broward County, Chicago, Clark County, Dade County, Dallas, Detroit, Denver, DuPage County, Fort Worth, Houston, Kansas City, King County, Knoxville, Las Vegas, Los Angeles City, Los Angeles County, Miami, Nashville, New York City, Omaha, Philadelphia, Phoenix, Portland, San Antonio, San Diego, San Jose, San Francisco, Seattle, Sioux Falls, South Holland, St. Louis County, Texas Department of Insurance, and Wichita.[21]

4.1.2 Approved in all state jurisdictions pursuant to ISO/IEC 17065 duly authenticated report use, which includes, but is not limited to, the following featured states: California, Florida, New Jersey, Oregon, New York, Texas, Washington, and Wisconsin.[22]

4.1.3 Approved by the Code of Federal Regulations Manufactured Home Construction: Pursuant to Title 24, Subtitle B, Chapter XX, Part 3282.14[23] and Part 3280[24] pursuant to the use of ISO/IEC 17065 duly authenticated reports.

4.1.4 Approved means complying with the requirements of local, state, or federal legislation.

4.2 *Regulations*

4.2.1 *IBC – 18, 21, 24: International Building Code®*

4.2.2 *IRC – 18, 21, 24: International Residential Code®*

4.2.3 *IECC – 18, 21, 24: International Energy Conservation Code®*

4.3 *Standards*

4.3.1 *ASTM D5034: Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)*

4.3.2 *ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials*

4.3.3 *ASTM E96: Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials*

4.3.4 *ASTM E1354: Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter*

4.3.5 *ASTM E2178: Standard Test Method for Air Permeance of Building Materials*

4.3.6 *ASTM E2273: Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies*

4.3.7 *ASTM E2556: Standard Specification for Vapor Permeable Flexible Sheet Water-Resistive Barriers Intended for Mechanical Attachment*

5 Listed[25]

5.1 Equipment, materials, products, or services included in a List published by a nationally recognized testing laboratory (i.e., CBI), an approved agency (i.e., CBI and DrJ), and/or and approved source (i.e., DrJ), or other organization(s) concerned with product evaluation (i.e., DrJ), that maintains periodic inspection (i.e., CBI) of production of listed equipment or materials, and whose listing states either that the equipment or material meets nationally recognized standards or has been tested and found suitable for use in a specified manner.

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6 Tabulated Properties Generated from Nationally Recognized Standards

6.1 *Water-Resistive Barrier (WRB)*

6.1.1 INDEVCO Building Wrap Products are an approved WRB in accordance with IBC Section 1403.2 and IRC Section R703.2, when installed with flashing in conformance with IBC Section 1404.4 and IRC Section R703.4.

6.1.1.1 INDEVCO Building Wrap Products comply with the requirements listed in ASTM E2556, Type I for use as water resistive barriers.

6.1.2 INDEVCO Building Wrap Products were evaluated in accordance with ASTM E96, Procedure A – Desiccant Method.

6.1.2.1 INDEVCO Building Wrap Products are Class III vapor permeable materials with a water vapor permeance greater than five (5) perms.

6.2 *Air Barrier*

6.2.1 INDEVCO Building Wrap Products was evaluated for air permeability in accordance with ASTM E2178.

6.2.2 INDEVCO Building Wrap Products meets the requirements of IECC Section C402.6.2.3.1[26] for use as an air barrier material when installed in accordance with the manufacturer installation instructions and this report.

6.2.2.1 INDEVCO Building Wrap Products may be used as prescribed in IRC Section R806.5, IRC Section N1102.5,[27] IECC Section C402.6,[28] and IECC Section R402.5.[29]

6.2.3 Additionally, all edges shall be sealed in accordance with IRC Section N1102.5.1.1,[30] IECC Section R402.5.1.1,[31] and IECC Section C402.6.2.3.1.[32]

6.2.4 INDEVCO Building Wrap Products have air permeability properties as shown in **Table 1**.

Table 1. Air Barrier Properties[1,2]

Product	Air Permeance (cfm/ft²)
INDEVCO Building Wrap Products	< 0.004

1. Tested in accordance with ASTM E2178.
2. 0.004 cfm/ft² = 0.02 L/(s·m²)

6.3 *Exterior Insulation and Finish System (EIFS) Drainage Plane*

6.3.1 INDEVCO Building Wrap Products meet the requirements of IBC Section 1403.10,[33] IBC Section 1407.4.1, and IRC Section R703.9.2 for EIFS (see **Table 2**).

6.3.2 INDEVCO Building Wrap Products shall have flashing installed in accordance with IRC Section R703.4 and shall terminate not less than 6" (152 mm) above the finished ground level.

Table 2. EIFS with Drainage Efficiency[1]

Product	Drainage Efficiency
INDEVCO Building Wrap Products	> 90%

1. Tested in accordance with ASTM E2273.

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6.4 *Surface Burning Characteristics*

6.4.1 INDEVCO Building Wrap Products have the flame spread and smoke developed characteristics shown in **Table 3** in accordance with IBC Section 1402.6.[34]

Table 3. Flame Spread and Smoke Developed Indexes[1]

Product	Flame Spread	Smoke Developed
INDEVCO Building Wrap Products	≤ 25	≤ 450
1. Tested in accordance with ASTM E84.		

6.5 *Vertical and Lateral Flame Propagation*

6.5.1 For buildings constructed in accordance with the IBC for Types I-IV construction, and where the wall height is greater than 40' in height above grade plane, NFPA 285 testing is not required where INDEVCO Building Wrap Products are the only combustible material in the wall as permitted in IBC Section 1402.6 Exception 2.

6.5.1.1 INDEVCO Building Wrap Products were tested in accordance with ASTM E1354 and met the criteria to exempt the wall assembly from the NFPA 285 testing requirement in IBC Section 1402.6.[35]

6.5.1.2 Results for INDEVCO Building Wrap Products testing in accordance with ASTM E1354 are as shown in **Table 4**.

Table 4. Barricade Drainage Wrap Premium Testing in Accordance with ASTM E1354

Product	Peak Heat Release Rate (kW/m^2)	Total Heat Release (MJ/m^2)	Effective Heat of Combustion (MJ/kg)
INDEVCO Building Wrap Products	< 150	< 20	< 18

6.6 Where the application falls outside of the performance evaluation, conditions of use, and/or installation requirements set forth herein, alternative techniques shall be permitted in accordance with accepted engineering practice and experience. This includes but is not limited to the following areas of engineering: mechanics or materials, structural, building science, and fire science.

7 Certified Performance[36]

7.1 All construction methods shall conform to accepted engineering practices to ensure durable, livable, and safe construction and shall demonstrate acceptable workmanship reflecting journeyman quality of work of the various trades.[37]

7.2 The strength and rigidity of the component parts and/or the integrated structure shall be determined by engineering analysis or by suitable load tests to simulate the actual loads and conditions of application that occur.[38]

8 Regulatory Evaluation and Accepted Engineering Practice

8.1 INDEVCO Building Wrap Products comply with the following legislatively adopted regulations and/or accepted engineering practice for the following reasons:

8.1.1 WRB in accordance with IBC Section 1403.2 and IRC Section R703.2.

8.1.2 Air barrier in accordance with IECC Section C402.6.2.3.1.[39]

8.1.3 EIFS drainage plane in accordance with IBC Section 1407.4 and IRC Section R703.9.

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8.1.4 Flame spread and smoke developed in accordance with IBC Section 1402.6.[40]

8.1.5 Vertical and lateral flame spread in accordance with IBC Section 1402.6.[41]

8.2 Any building code, regulation and/or accepted engineering evaluations (i.e., research reports, duly authenticated reports, etc.) that are conducted for this Listing were performed by DrJ, which is an ISO/IEC 17065 accredited certification body and a professional engineering company operated by RDP or approved sources. DrJ is qualified[42] to practice product and regulatory compliance services within its scope of accreditation and engineering expertise,[43] respectively.

8.3 Engineering evaluations are conducted with DrJ's ANAB accredited ICS code scope of expertise, which is also its areas of professional engineering competence.

8.4 Any regulation specific issues not addressed in this section are outside the scope of this report.

9 Installation

9.1 Installation shall comply with the approved construction documents, the manufacturer installation instructions, this report, and the applicable building code.

9.2 In the event of a conflict between the manufacturer installation instructions and this report, contact the manufacturer for counsel on the proper installation method.

9.3 INDEVCO Building Wrap Products shall be installed on exterior walls over exterior sheathing or insulation materials.

9.4 INDEVCO Building Wrap Products shall be installed with the printed surface facing the exterior of the building.

9.5 A copy of the manufacturer installation instructions must be available at the jobsite at all times during installation.

9.6 *Installation Procedure*

9.6.1 INDEVCO Building Wrap Products shall be installed after wall framing is completed. The start of the roll shall be placed a minimum of 2' (0.6 m) from the corner and fastened using staples, 1" cap nails, Wind-Lock™ fasteners, or roofing nails spaced a maximum of 18" (457 mm) on center.

9.6.2 Unroll the wrap around the building and fasten with nails or staples spaced a maximum of 32" (813 mm) on center, vertical and horizontal. The following minimum amount of overlap is required at membrane edges:

9.6.2.1 *Horizontal Dimension:* 2" (51 mm)

9.6.2.2 *Vertical Dimension:* 6" (152 mm)

9.6.3 When installed over Foam Plastic Insulating Sheathing (FPIS), the membrane must be fastened with staples, 1" cap nails, Wind-Lock fasteners, or roofing nails long enough to penetrate through the insulation and into the sheathing panels or framing members.

9.6.4 When installed over wood-based sheathing in exterior plaster applications, the membrane must be installed in accordance with IBC Section 2510.6 and IRC Section R703.7.3.

9.6.5 For cementitious coatings or EIFS, the application must be in accordance with the exterior coating manufacturer installation instructions.

9.6.6 INDEVCO Building Wrap Products must be installed with flashing in accordance with IBC Section 1404.4 and IRC Section R703.4.

9.6.7 When used as an air barrier, the materials must be installed in accordance with the manufacturer installation instructions and this report.

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10 Substantiating Data

10.1 Testing has been performed under the supervision of a professional engineer and/or under the requirements of ISO/IEC 17025 as follows:

10.1.1 Breaking strength and elongation tests in accordance with ASTM D5034

10.1.2 Water resistance ponding testing in accordance with ASTM E2556

10.1.3 Water vapor transmission testing in accordance with ASTM E96

10.1.4 Pliability testing in accordance with ASTM E2556

10.1.5 Air permeance testing in accordance with ASTM E2178

10.1.6 Drainage efficiency testing in accordance with ASTM E2273

10.1.7 Surface burning testing in accordance with ASTM E84

10.1.8 Testing for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter in accordance with ASTM E1354

10.2 Information contained herein may include the result of testing and/or data analysis by sources that are approved agencies, approved sources, and/or an RDP. Accuracy of external test data and resulting analysis is relied upon.

10.3 Where applicable, testing and/or engineering analysis are based upon provisions that have been codified into law through state or local adoption of regulations and standards. The developers of these regulations and standards are responsible for the reliability of published content. DrJ's engineering practice may use a regulation-adopted provision as the control. A regulation-endorsed control versus a simulation of the conditions of application to occur establishes a new material as being equivalent to the regulatory provision in terms of quality, strength, effectiveness, fire resistance, durability, and safety.

10.4 The accuracy of the provisions provided herein may be reliant upon the published properties of raw materials, which are defined by the grade mark, grade stamp, mill certificate, or duly authenticated reports from approved agencies and/or approved sources provided by the supplier. These are presumed to be minimum properties and relied upon to be accurate. The reliability of DrJ's engineering practice, as contained in this duly authenticated report, may be dependent upon published design properties by others.

10.5 *Testing and Engineering Analysis*

10.5.1 The strength, rigidity, and/or general performance of component parts and/or the integrated structure are determined by suitable tests that simulate the actual conditions of application that occur and/or by accepted engineering practice and experience.[44]

10.6 Where additional condition of use and/or regulatory compliance information is required, please search for INDEVCO Building Wrap Products on the DrJ Certification website.

11 Findings

11.1 As outlined in **Section 6**, INDEVCO Building Wrap Products have performance characteristics that were tested and/or meet applicable regulations. In addition, they are suitable for use pursuant to its specified purpose.

11.2 When used and installed in accordance with this duly authenticated report and the manufacturer installation instructions, INDEVCO Building Wrap Products shall be approved for the following applications:

11.2.1 Use as a WRB in accordance with IBC Section 1403.2 and IRC Section R703.2.

11.2.2 Use as an air barrier in accordance with IECC Section C402.6[45] and IECC Section R402.5.

11.2.3 Use as an EIFS drainage plane in accordance with IBC Section 1407.4 and IRC Section R703.9.

11.2.4 Use to resist vertical and lateral flame propagation in accordance with IBC Section 1402.6.[46]

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11.3 Any application specific issues not addressed herein can be engineered by an RDP. Assistance with engineering is available from INDEVCO Building Products.

11.4 IBC Section 104.2.3[47] (IRC Section R104.2.2[48] and IFC Section 104.2.3[49] are similar) in pertinent part state:

> **104.2.3 Alternative Materials, Design and Methods of Construction and Equipment.** The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative is not specifically prohibited by this code and has been approved.

11.5 **Approved:**[50] Building regulations require that the building official shall accept duly authenticated reports.[51]

11.5.1 An approved agency is *"approved"* when it is ANAB ISO/IEC 17065 accredited.

11.5.2 An approved source is *"approved"* when an RDP is properly licensed to transact engineering commerce.

11.5.3 Federal law, Title 18 US Code Section 242, requires that, where the alternative product, material, service, design, assembly, and/or method of construction is not approved, the building official shall respond in writing, stating the reasons why the alternative was not approved. Denial without written reason deprives a protected right to free and fair competition in the marketplace.

11.6 DrJ is a licensed engineering company, employs licensed RDPs and is an ANAB Accredited Product Certification Body – Accreditation #1131.

11.7 Through the IAF Multilateral Arrangement (MLA), this duly authenticated report can be used to obtain product approval in any jurisdiction or country because all ANAB ISO/IEC 17065 duly authenticated reports are equivalent.[52]

12 Conditions of Use

12.1 Material properties shall not fall outside the boundaries defined in **Section 6**.

12.2 As defined in **Section 6**, where material and/or engineering mechanics properties are created for load resisting design purposes, the resistance to the applied load shall not exceed the ability of the defined properties to resist those loads using the principles of accepted engineering practice.

12.3 Flashing must be installed in accordance with IBC Section 1404.4, IRC Section R703.4, and the manufacturer installation instructions.

12.4 When required by adopted legislation and enforced by the building official, also known as the Authority Having Jurisdiction (AHJ) in which the project is to be constructed:

12.4.1 Any calculations incorporated into the construction documents shall conform to accepted engineering practice and, when prepared by an approved source, shall be approved when signed and sealed.

12.4.2 This report and the installation instructions shall be submitted at the time of permit application.

12.4.3 These innovative products have an internal quality control program and a third-party quality assurance program.

12.4.4 At a minimum, these innovative products shall be installed per **Section 9**.

12.4.5 The review of this report by the AHJ shall comply with IBC Section 104.2.3.2 and IBC Section 105.3.1.

12.4.6 These innovative products have an internal quality control program and a third party quality assurance program in accordance with IBC Section 104.7.2, IBC Section 110.4, IBC Section 1703, IRC Section R104.7.2, and IRC Section R109.2.

12.4.7 The application of these innovative products in the context of this report is dependent upon the accuracy of the construction documents, implementation of installation instructions, inspection as required by IBC Section 110.3, IRC Section R109.2, and any other regulatory requirements that may apply.

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12.5 The approval of this report by the AHJ shall comply with IBC Section 1707.1, where legislation states in part, *"the building official shall make, or cause to be made, the necessary tests and investigations; or the building official shall accept duly authenticated reports from approved agencies in respect to the quality and manner of use of new materials or assemblies as provided for in Section 104.2.3"*, all of IBC Section 104, and IBC Section 105.3.

12.6 Design loads shall be determined in accordance with the regulations adopted by the jurisdiction in which the project is to be constructed and/or by the building designer (i.e., owner or RDP).

12.7 The actual design, suitability, and use of this report for any particular building, is the responsibility of the owner or the authorized agent of the owner.

13 Identification

13.1 INDEVCO Building Wrap Products, as listed in **Section 1.1**, are identified by a label on the board or packaging material bearing the manufacturer name, product name, this report number, and other information to confirm code compliance.

13.2 Additional technical information can be found at indevconorthamerica.com or barricadebp.com.

14 Review Schedule

14.1 This report is subject to periodic review and revision. For the latest version, visit www.drjcertification.org.

14.2 For information on the status of this report, please contact DrJ Certification.

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Notes

1 For more information, visit drjcertification.org or call us at 608-310-6748.

2 Capitalized terms and responsibilities are defined pursuant to the applicable building code, applicable reference standards, the latest edition of TPI 1, the NDS, AISI S202, US professional engineering law, Canadian building code, Canada professional engineering law, Qualtim External Appendix A: Definitions/Commentary, Qualtim External Appendix B: Project/Deliverables, Qualtim External Appendix C: Intellectual Property and Trade Secrets, definitions created within Design Drawings and/or definitions within Reference Sheets. Beyond this, terms not defined shall have ordinarily accepted meanings as the context implies. Words used in the present tense include the future; words stated in the masculine gender include the feminine and neuter; the singular number includes the plural and the plural, the singular.

3 https://up.codes/viewer/mississippi/ibc-2024/chapter/17/special-inspections-and-tests#1702

4 Alternative Materials, Design and Methods of Construction and Equipment: The provisions of any regulation code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by a regulation. Please review https://www.justice.gov/atr/mission and https://up.codes/viewer/mississippi/ibc-2024/chapter/1/scope-and-administration#104.2.3

5 https://up.codes/viewer/mississippi/ibc-2024/chapter/17/special-inspections-and-tests#1706.2:~:text=the%20design%20strengths%20and%20permissible%20stresses%20shall%20be%20established%20by%20tests

6 The design strengths and permissible stresses of any structural material shall conform to the specifications and methods of design of accepted engineering practice. https://up.codes/viewer/mississippi/ibc-2024/chapter/17/special-inspections-and-tests#1706.1:~:text=Conformance%20to%20Standards-,The%20design%20strengths%20and%20permissible%20stresses,-of%20any%20structural

7 https://up.codes/viewer/mississippi/ibc-2024/chapter/17/special-inspections-and-tests#1707.1:~:text=the%20building%20official%20shall%20make%2C%20or%20cause%20to%20be%20made%2C%20the%20necessary%20tests%20and%20investigations%3B%20or%20the%20building%20official%20shall%20accept%20duly%20authenticated%20reports%20from%20approved%20agencies%20in%20respect%20to%20the%20quality%20and%20manner%20of%20use%20of%20new%20materials%20or%20assemblies%20as%20provided%20for%20in%20Section%20104.2.3.

8 https://up.codes/viewer/mississippi/ibc-2024/chapter/17/special-inspections-and-tests#1703.4.2

9 https://up.codes/viewer/mississippi/ibc-2024/chapter/2/definitions#approved_agency

10 https://up.codes/viewer/mississippi/ibc-2024/chapter/2/definitions#approved_source

11 https://www.law.cornell.edu/uscode/text/18/1832 (b) Any organization that commits any offense described in subsection (a) shall be fined not more than the greater of $5,000,000 or 3 times the value of the stolen trade secret to the organization, including expenses for research and design and other costs of reproducing the trade secret that the organization has thereby avoided. The federal government and each state have a public records act. To follow DTSA and comply state public records and trade secret legislation requires approval through ANAB ISO/IEC 17065 accredited certification bodies or approved sources. For more information, please review this website: Intellectual Property and Trade Secrets.

12 https://www.nspe.org/resources/issues-and-advocacy/professional-policies-and-position-statements/regulation-professional AND https://apassociation.org/list-of-engineering-boards-in-each-state-archive/

13 https://www.cbitest.com/accreditation/

14 https://up.codes/viewer/mississippi/ibc-2024/chapter/1/scope-and-administration#104.1:~:text=directed%20to%20enforce%20the%20provisions%20of%20this%20code

15 https://up.codes/viewer/mississippi/ibc-2024/chapter/1/scope-and-administration#104.2.3 AND https://up.codes/viewer/mississippi/ibc-2024/chapter/1/scope-and-administration#105.3.1

16 https://up.codes/viewer/mississippi/ibc-2024/chapter/17/special-inspections-and-tests#1707.1

17 https://iaf.nu/en/about-iaf-mla/#:~:text=Once%20an%20accreditation%20body%20is%20a%20signatory%20of%20the%20IAF%20MLA%2C%20it%20is%20required%20to%20recognise%20certificates%20and%20validation%20and%20verification%20statements%20issued%20by%20conformity%20assessment%20bodies%20accredited%20by%20all%20other%20signatories%20of%20the%20IAF%20MLA%2C%20with%20the%20appropriate%20scope

18 True for all ANAB accredited product evaluation agencies and all International Trade Agreements.

19 https://www.justice.gov/crt/deprivation-rights-under-color-law AND https://www.justice.gov/atr/mission

20 Unless otherwise noted, the links referenced herein use un-amended versions of the 2024 International Code Council (ICC) 2024 International Code Council (ICC) model codes as foundation references. Mississippi versions of the IBC 2024 and the IRC 2024 are un-amended. This material, product, design, service and/or method of construction also complies with the 2000-2012 versions of the referenced codes and the standards referenced therein. As pertinent to this technical and code compliance evaluation, CBI and/or DrJ staff have reviewed any state or local regulatory amendments to assure this report is in compliance.

21 See Adoptions by Publisher for the latest adoption of a non-amended or amended model code by the local jurisdiction. https://up.codes/codes/general

22 See Adoptions by Publisher for the latest adoption of a non-amended or amended model code by state. https://up.codes/codes/general

23 https://www.ecfr.gov/current/title-24/subtitle-B/chapter-XX/part-3282/subpart-A/section-3282.14

24 https://www.ecfr.gov/current/title-24/subtitle-B/chapter-XX/part-3280

25 https://www.ecfr.gov/current/title-24/subtitle-B/chapter-XX/part-3280#p-3280.2(Listed%20or%20certified); https://up.codes/viewer/mississippi/ibc-2024/chapter/2/definitions#listed AND https://up.codes/viewer/mississippi/ibc-2024/chapter/2/definitions#labeled

26 2021 IECC Section C402.5.1.3 AND 2018 IECC Section C402.5.1.2.1

27 2021 IRC Section N1102.4

28 2021 IECC Section C402.5

29 2021 IECC Section R402.4

30 2021 IRC Section N1102.4.1.1

31 2021 IECC Section R402.4.1.1

32 2021 IECC Section C402.5.1.3 AND 2018 IECC Section C402.5.1.2.1

33 2021 IBC Section 1403.11

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[34] 2021 IBC Section 1402.5

[35] 2021 IBC Section 1402.5

[36] https://up.codes/viewer/mississippi/ibc-2024/chapter/17/special-inspections-and-tests#1703.4

[37] https://www.ecfr.gov/current/title-24/subtitle-B/chapter-XX/part-3280#:~:text=All%20construction%20methods%20shall%20be%20in%20conformance%20with%20accepted%20engineering%20practices%20to%20insure%20durable%2C%20livable%2C%20and%20safe%20housing%20and%20shall%20demonstrate%20acceptable%20workmanship%20reflecting%20journeyman%20quality%20of%20work%20of%20the%20various%20trades

[38] https://www.ecfr.gov/current/title-24/subtitle-B/chapter-XX/part-3280#:~:text=The%20strength%20and%20rigidity%20of%20the%20component%20parts%20and/or%20the%20integrated%20structure%20shall%20be%20determined%20by%20engineering%20analysis%20or%20by%20suitable%20load%20tests%20to%20simulate%20the%20actual%20loads%20and%20conditions%20of%20application%20that%20occur

[39] 2021 IECC Section C402.5.1.3 AND 2018 IECC Section C402.5.1.2.1

[40] 2021 IBC Section 1402.5

[41] 2021 IBC Section 1402.5

[42] Qualification is performed by a legislatively defined Accreditation Body. ANSI National Accreditation Board (ANAB) is the largest independent accreditation body in North America and provides services in more than 75 countries. DrJ is an ANAB accredited product certification body.

[43] https://anabpd.ansi.org/Accreditation/product-certification/AllDirectoryDetails?prgID=1&orgID=2125&statusID=4#:~:text=Bill%20Payment%20Date-,Accredited%20Scopes,-13%20ENVIRONMENT.%20HEALTH

[44] See Code of Federal Regulations (CFR) Title 24 Subtitle B Chapter XX Part 3280 for definition: https://www.ecfr.gov/current/title-24/subtitle-B/chapter-XX/part-3280

[45] IECC Section C402.5

[46] 2021 IBC Section 1402.5

[47] 2021 IBC Section 104.11

[48] 2021 IRC Section R104.11

[49] 2018: https://up.codes/viewer/wyoming/ifc-2018/chapter/1/scope-and-administration#104.9 AND 2021: https://up.codes/viewer/wyoming/ibc-2021/chapter/1/scope-and-administration#104.11

[50] Approved is an adjective that modifies the noun after it. For example, Approved Agency means that the Agency is accepted officially as being suitable in a particular situation. This example conforms to IBC/IRC/IFC Section 201.4 (https://up.codes/viewer/mississippi/ibc-2024/chapter/2/definitions#201.4) where the building code authorizes sentences to have an ordinarily accepted meaning such as the context implies.

[51] https://up.codes/viewer/mississippi/ibc-2024/chapter/17/special-inspections-and-tests#1707.1

[52] Multilateral approval is true for all ANAB accredited product evaluation agencies and all International Trade Agreements.

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