



# ICC-ES Evaluation Report

## ESR-3373

Reissued June 2023

Revised April 2024

This report is subject to renewal June 2025.

### DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES

Section: 06 12 00—Structural Panels

Section: 06 16 00—Sheathing

### DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION

Section: 07 21 00—Thermal Insulation

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

Section: 07 27 00—Air Barriers

### REPORT HOLDER:

HUBER ENGINEERED WOODS, LLC

### EVALUATION SUBJECT:

ZIP SYSTEM® R-SHEATHING (INSULATED SHEATHING)

## 1.0 EVALUATION SCOPE

### 1.1 Compliance with the following codes:

- 2021 and 2018 *International Building Code*® (IBC)
- 2021 and 2018 *International Residential Code*® (IRC)
- 2021 and 2018 *International Energy Conservation Code*® (IECC)

For evaluation for compliance with codes adopted by Los Angeles Department of Building and Safety (LADBS), see [ESR-3373 LABC and LARC Supplement](#).

### Properties evaluated:

- Structural
- Thermal resistance
- Air leakage
- Weather resistance

### 1.2 Evaluation to the following green code(s) and/or standards:

- 2022 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2021, 2018, 2015 and 2012 *International Green Construction Code*®

- 2020, 2017, 2014 and 2011 ANSI/ASHRAE/USGBC/IES Standard 189.1-Standard for the Design of High-Performance Green Buildings, Except Low-Rise Residential Buildings
- 2020, 2015, 2012 and 2008 ICC 700 National Green Building Standard™ (ICC 700-2020, ICC 700-2015, ICC 700-2012 and ICC 700-2008)

## 2.0 USES

ZIP System® R-Sheathing panels are used as combination wall sheathing and continuous insulation in conventional light wood-framed walls of Type V construction (IBC) and dwellings constructed in accordance with the IRC. R-Sheathing is used to resist transverse loads in accordance with the PS-2 span rating shown on the panels. The panels are used to satisfy the continuous insulation and insulated sheathing allowances of 2021 IRC Table N1102.1.3 (2018 IRC Table N1102.1.2) and 2021 IECC Tables R402.1.3 and C402.1.3 (2018 Tables R402.1.2 and C402.1.3), as applicable. When installed with ZIP System™ flexible flashing seam tape, Zip System™ VP flashing tape seam tape, or ZIP System™ liquid flash, R-Sheathing may be used as an alternative to the water-resistive barrier required by IBC Section 1403.2 and IRC Section R703, and to address air leakage in the building envelope as required by Sections R402.4 and C402.5 of the IECC.

ZIP System R-Sheathing panels may be used as intermittent wall bracing panels within designated braced wall lines in accordance with Section 4.5, and as shear wall panels in accordance with Section 4.6, of this report.

The attributes of the ZIP System® R-Sheathing have been verified as conforming to the provisions of (i) CALGreen Section 5.407.1 for water-resistive barriers; (ii) ICC 700 2020 Sections 602.1.8, 11.602.1.8, 1202.6 and 13.104.1.4; (vi) ICC 700 2015 Sections 602.1.8, 11.602.1.8 and 12.6.602.1.8 (iii) ICC 700-2012 Sections 602.1.8, 11.602.1.8 and 12.5.602.1.8; ICC 700-2008 Section 602.9 for water-resistive barriers.

The attributes of the ZIP System® R-Sheathing have been verified as conforming to the provisions of (i) 2021 IgCC Section 701.3.1.2, 2018 IgCC Section 701.3.1.1 and 2015 and 2012 IgCC Section 605.1.2.1 for air barriers; and (ii) 2020 ASHRAE 189.1 Section 7.3.1.2, 2017, 2014 ASHRAE 189.1 Section 7.3.1.1 and 2011 ASHRAE 189.1 Section 7.4.2.9 for air barriers. Note that decisions on compliance for those areas rest with the user of this report.

### 3.0 DESCRIPTION

#### 3.1 Sheathing Panel:

ZIP System® R-Sheathing is an insulated sheathing made by combining  $\frac{7}{16}$ -inch-thick ZIP System® Wall Sheathing, subject of [ESR-1474](#), with a layer of maximum 2-inch-thick (25.4 mm) rigid foam plastic insulation laminated to its interior face using polyvinyl alcohol (PVA) adhesive. The ZIP System® Wall Sheathing is OSB complying with U.S. DOC PS 2 for wood structural panels as Exposure 1 with a 24/0, 24/16, or Wall 24 span rating, and is overlaid on the exterior side with a polymer-modified sheet material with equivalent resistance to an ASTM E2556 Type II or 60-minute Grade D water-resistive barrier.

#### 3.2 Insulation Board:

The rigid foam plastic insulation is EnergyShield® CGF, subject of [ESR-1375](#), which complies with the ICC-ES Acceptance Criteria for Foam Plastic Insulation (AC12). The foam plastic insulation boards have a nominal density of 2.0 pcf, compressive strength of 20 psi (138 kPa), vapor permeance of less than 1.0 perm, a flame-spread index of 75 or less and a smoke-developed index of 450 or less. The ZIP System® R-Sheathing panels are nominally 4 feet wide by 8, 9, 10, 11 or 12 feet long and have a square-finished-edge or machined-edge profile.

#### 3.3 Seam Tapes:

##### 3.3.1 ZIP System™ flexible flashing seam tape:

The ZIP System™ flexible flashing seam tape is a pressure sensitive self-adhering membrane tape consisting of acrylic adhesive laminated to a polyolefin backing and is the subject of [ESR-2227](#). The tape is 0.012 inch (0.30 mm) thick with a minimum width of  $3\frac{3}{4}$  inches (95.2 mm) and come in rolls of various lengths.

##### 3.3.2 ZIP System™ VP flashing tape:

The ZIP System™ VP flashing tape is a pressure sensitive self-adhering membrane tape consisting of an elastomeric non-woven, reinforced film with an acrylic adhesive and is the subject of [ESR-2227](#). The tape is 0.016 inch (0.41 mm) thick and is produced in  $3\frac{3}{4}$  inch (95.2 mm) wide rolls of various lengths.

##### 3.4 Zip System™ Liquid Applied Seam Sealant:

ZIP System™ liquid flash is a single-component, ready-mixed, flexible, polymer-based, gun-grade material which complies with AAMA 714 and is the subject of [ESR-4597](#).

### 4.0 INSTALLATION

#### 4.1 General:

ZIP System® R-Sheathing panels must be installed over wood-framed walls with minimum nominally “2-by” framing spaced at a maximum of 24 inches (406 mm) on center. In accordance with the manufacturer's published installation instructions, it is recommended that the square edges of the panels be installed with a gap between adjacent panels, and that the panels be separated from dissimilar materials. ZIP System® R-Sheathing panels may be installed vertically or horizontally. When use is in the construction of braced wall panels in accordance with Section 4.5, or as wood shear walls in accordance with Section 4.6, all joints and panel edges must be backed by framing.

When the panels are used as wall bracing panels or shearwall panels, fastening must be as described in Tables 1 or Table 2. ZIP System® R-Sheathing panels that are not used for structural bracing or shearwalls must be installed with minimum 8d common nails (or equivalent) at a

maximum spacing of 6 inches on center on panel edges and 12 inches on center in the field. Nails must have a minimum 1-inch embedment into framing.

#### 4.2 Water-resistive Barrier:

To qualify as a water-resistive barrier, ZIP System® R-Sheathing panels must be installed with the polymer-modified sheet overlay facing the exterior and all panel seams must be sufficiently sealed with ZIP System™ flexible flashing Tape, Zip System™ VP flashing tape seam tape, or ZIP System™ liquid flash in accordance with [ESR-1474](#). All overlay surfaces must be dry and free of sawdust and dirt prior to application of the ZIP System™ seam tape, Zip System™ VP flashing tape, or ZIP System™ liquid flash. The seam tape must extend a minimum of 1 inch (25.4 mm) past the panel edge T-joint intersections and must be centered, within  $\frac{1}{2}$  inch (12.7 mm), over the middle of panel seams. If ZIP System™ flexible flashing tape or Zip System™ VP flashing tape is used, the tape must be pressed firmly to adhere to the surfaces and seal the seams. Wrinkles in the ZIP System™ seam tape or Zip System™ VP flashing tape are acceptable unless they create a leak path to the panel seam. If the ZIP System™ liquid flash is used to seal panel joints, the panel joints must be completely filled with the liquid flash, and a continuous bead is applied to either side of the joint. The beads of ZIP System™ liquid flash must be troweled to provide a continuous application a minimum of 1-inch to either side of the joint at a minimum thickness of 12 mils.

Flashing complying with the applicable code must be installed at the perimeter of door and window assemblies, penetrations and terminations of exterior wall assemblies, exterior wall intersections with roofs, chimneys, porches, decks, balconies, and similar projections, and at built-in gutters and similar locations where moisture could enter the wall. An adhesive-backed flashing tape that complies with the ICC-ES Acceptance Criteria for Flashing Materials (AC148), or ZIP System™ liquid flash in accordance with the installation procedures outlined in [ESR-4597](#), must be installed to seal all ZIP System® R-Sheathing flashing joints. Penetration items must be sealed to the panels. The adhesive-backed flashing tape must be installed in accordance with the manufacturer's published installation instructions.

#### 4.3 Air Barrier:

ZIP System® R-Sheathing fastened to maximum 24-inch-on-center (610 mm) wood wall framing, using 8d nails spaced at 6 inches (152 mm) around panel edges and at 12 inches (305 mm) in the field, leaving a  $\frac{1}{8}$ -inch (3.18 mm) gap between panels, forms an air barrier assembly when the gaps between panels and the perimeter of penetrations are sealed with ZIP System™ flexible flashing Tape, Zip System™ VP flashing tape, or ZIP System™ liquid flash. The assembly has demonstrated a maximum air leakage of 0.0072 cfm/ft<sup>2</sup> [0.037 L/(s·m<sup>2</sup>)] infiltration and 0.0023 cfm/ft<sup>2</sup> [0.012 L/(s·m<sup>2</sup>)] exfiltration at a pressure differential of 1.57 psf (75 Pa).

#### 4.4 Thermal Resistance:

ZIP System® R-Sheathing panels have nominal thermal resistance in accordance with the R-Sheathing Type shown in Tables 1 or 2.

#### 4.5 Braced Wall Panels in Accordance with the IRC:

ZIP System® R-Sheathing panels have been evaluated for use in intermittent braced wall panel construction in accordance with IRC Section R602.10.2 when installed in accordance with Table 1. The panels are equivalent to wood structural panels used in Bracing Method WSP and may be used with amounts of bracing (lengths) specified in IRC

Table R602.10.3(1), entitled “Bracing Requirements Based on Wind Speed.” The minimum effective braced wall panel length must be 48 inches (1219 mm) for wall heights up to 10 feet (3048 mm), 4 feet 5 inches (1346 mm) for walls not exceeding 11 feet (3352 mm) in height, and 4 feet 10 inches (1473 mm) for walls not exceeding 12 feet (3658 mm) in height. For prescriptive wall bracing under this section (Section 4.5), use is limited to areas where wind design is not required per IRC Section R301.2.1.1 and in Seismic Design Categories (SDC) A, B, and C (excluding townhouses in SDC C); use of sheathing in other conditions is outside the scope of this report. Holes and notches in wood framing are permitted in accordance with IRC Section R602.6.

#### **4.6 Wood Framed Shear Walls in accordance with the IBC and IRC:**

ZIP System® R-Sheathing panels may be used in the construction of wood shear walls when the design is in accordance with Table 2 and IBC Sections 2305 and 2306, as applicable. The Allowable Shear Capacity values in Table 2 must be used in lieu of the values shown in the code. Under this section (Section 4.6), the evaluation is limited to resisting in-plane wind loads and to use in Seismic Design Categories (SDC) A, B, and C, with earthquake load resistance determined using the maximum values of  $R = 2.0$ ,  $\Omega_o = 2.5$ , and  $C_d = 2.0$ . Holes and notches in the framing are permitted in accordance with the applicable code, code-referenced documents, and engineered design.

Shearwalls using ZIP System® R-Sheathing panels installed in accordance with this report may be used under the IRC when an engineered design is submitted in accordance with IRC Section R301.1.3, as applicable.

#### **5.0 CONDITIONS OF USE**

The ZIP System® R-Sheathing panels described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1** The ZIP System® R-Sheathing panels must be manufactured, identified and installed in accordance with this report and the manufacturer’s published installation instructions. In the event of a conflict between the instructions and this report, this report governs.
- 5.2** When required by the code official, this evaluation report and the manufacturer’s published installation instructions must be submitted at the time of permit application.
- 5.3** Walls sheathed with the panels must not be used to resist in-plane horizontal loads from concrete or masonry walls.
- 5.4** The ZIP System® R-Sheathing panels must be covered with a code-complying exterior wall covering or one that is recognized in a current ICC-ES evaluation report.
- 5.5** Siding installed over R-Sheathing must be installed in accordance with the code, and with the siding manufacturer’s recommendations. Siding installers must account for any extra fastener length required to attach siding through the foam backed panel and into framing.
- 5.6** Where foam plastic is used in areas where the probability of termite infestation is “very heavy,” safeguards must be followed in accordance with the protection against subterranean termite provisions in Chapter 26 of the IBC or Chapter 3 of the IRC, as applicable.

**5.7** Fire-resistance-rated construction is outside the scope of this report.

**5.8** Under the 2021 IBC, special inspection must be provided in accordance with 2021 IBC Sections 1704.3 and 1705.12 for sheathing installed in shear walls on buildings in Exposure B locations where  $V$  is 150 mph (67 m/s) or greater and in Exposures C or D where  $V$  is 140 mph (62.5 m/s) or greater. Under the 2018 IBC, special inspection must be provided in accordance with IBC Sections 1704.3 and 1705.11 for sheathing installed in shear walls on buildings in Exposure B locations where  $V_{ASD}$  is 120 mph (53.6 m/s) or greater and in Exposures C and D locations where  $V_{ASD}$  is 110 mph (49.2 m/s) or greater. A statement of special inspections complying with IBC Section 1704.3 must be provided to the code official (this includes addressing requirements in IBC Sections 1704.3.3 and 1705.11, as applicable).

**5.9** Cutting openings and penetrations in designated braced wall panels is not permitted.

**5.10** Gypsum wallboard is required to be installed on the side of the wall opposite the proprietary sheathing in accordance with IRC Section R602.10.4.3.

**5.11** Use of ZIP System® R-Sheathing panels to resist combined wind uplift and shear must be approved by the code official.

**5.12** ZIP System® R-Sheathing panels are laminated at facilities located in Camp Hill, Pennsylvania, Diboll, Texas, East Moline, Illinois, and Northglenn, Colorado, under a quality-control program with inspections provided by ICC-ES.

#### **6.0 EVIDENCE SUBMITTED**

**6.1** Data in accordance with the ICC-ES Acceptance Criteria for Water-resistive Membranes Factory-bonded to Wood-based Structural Sheathing, Used as Water-resistive Barriers (AC310), dated May 2008 (editorially revised, June 2019).

**6.2** Under the IBC and IRC for use in shear walls, data in accordance with the ICC-ES Acceptance Criteria for Proprietary Sheathing Jobsite-attached to Wood Light-frame Wall Construction Used as Shear Walls (AC269.2), dated October 2013 (editorially revised October 2021).

**6.3** Under the IRC for use as an alternative to prescriptive intermittent braced wall panels, data in accordance with the ICC-ES Acceptance Criteria for Proprietary Sheathing Attached to Wood Light-frame Wall Construction Used as Braced Wall Panels under the IRC (AC269.1), dated February 2017 (editorially October 2021).

**6.4** Air leakage data in accordance with ASTM E2357.

#### **7.0 IDENTIFICATION**

**7.1** Each ZIP System® R-Sheathing panel described in this report must bear a label that includes the manufacturer’s name (Huber Engineered Woods, LLC) and address, the product name, the R-Sheathing type, the date of manufacture or a tracking number, the manufacturing plant identifier, and the evaluation report number (ESR-3373).

**7.2** The report holder’s contact information is the following:

**HUBER ENGINEERED WOODS, LLC**  
**ONE RESOURCE SQUARE**  
**10925 DAVID TAYLOR DRIVE, SUITE 300**  
**CHARLOTTE, NORTH CAROLINA 28262**  
**(800) 933-9220**  
[www.huberwood.com](http://www.huberwood.com)

**PRESCRIPTIVE METHOD (INTERMITTENT WALL BRACING)**

**TABLE 1—FASTENING REQUIREMENTS FOR ZIP SYSTEM® R-SHEATHING WITH FRAMING OF DOUGLAS FIR-LARCH FOR WIND OR SEISMIC LOADING UNDER THE IRC (WSP METHOD)**

R-SHEATHING TYPE <sup>3</sup> (R-Value of foam)	FRAMING <sup>4</sup>		FASTENING REQUIREMENT		
	Nominal Stud Size (min.)	Maximum Stud Spacing (inches)	Fastener Specifications <sup>2</sup>	Edge/Field Spacing (inches)	Minimum Penetration into Framing (inches)
R-3	2-by-4	24	0.131-inch shank nails	4/12	1.5
R-3	2-by-4	16	16ga staples, 7/16-inch crown, 2-inch length	3/6	1.0
R-6	2-by-4	24	0.131-inch shank nails	4/12	1.5
			15ga staples, 7/16-inch crown, 2.5-inch length	3/6	1.0
R-9	2-by-4	24	0.131-inch shank nails	3/12	1.5
R-12	2-by-4	24	0.131-inch shank nails	3/12	1.5

For **SI**: 1 inch = 25.4 mm

<sup>1</sup>All fasteners must be located a minimum of 3/8 inch from panel edges.

<sup>2</sup>Fasteners must be common nails or equivalent, or staples, of a type generally used to attach wood sheathing.

<sup>3</sup>Type R-12 R-Sheathing panels have a foam plastic insulation thickness of 2.0 inch. Type R-9 R-Sheathing panels have a foam plastic insulation thickness of 1.5 inch. Type R-6 R-Sheathing panels have a foam plastic insulation thickness of 1.0 inch. Type R-3 R-Sheathing panels have a foam plastic insulation thickness of 0.5 inch.

<sup>4</sup>All panel edges must be backed by framing.

**ENGINEERED METHOD (SHEARWALL PANELS)**

**TABLE 2—FASTENING REQUIREMENTS AND ALLOWABLE SHEAR CAPACITY FOR ZIP SYSTEM® R-SHEATHING WITH FRAMING OF DOUGLAS FIR-LARCH<sup>2</sup> FOR WIND OR SEISMIC LOADING UNDER THE IBC AND ENGINEERED DESIGNS UNDER SECTION R301.1.3 OF THE IRC**

R-SHEATHING TYPE <sup>4</sup> (R-Value of foam)	FRAMING		FASTENING REQUIREMENT			ALLOWABLE SHEAR CAPACITY <sup>5,6,7</sup> (plf)
	Nominal Stud Size (min.)	Maximum Stud Spacing (inches)	Fastener Specifications <sup>3</sup>	Edge/Field Spacing (inches)	Minimum Penetration into Framing (inches)	
R-3	2-by-4	24	0.131-inch shank nails	4/12	1.5	245
R-3	2-by-4	24	0.131-inch shank nails	3/12	1.5	280
R-3	2-by-4	16	16ga staples, 7/16-inch crown, 2-inch length	3/6	1.0	210
R-6	2-by-4	24	0.131-inch shank nails	4/12	1.5	230
R-6	2-by-4	24	0.131-inch shank nails	3/12	1.5	255
R-9	2-by-4	24	0.131-inch shank nails	3/12	1.5	240
R-12	2-by-4	24	0.131-inch shank nails	3/12	1.5	215

For **SI**: 1 inch = 25.4 mm, 1 plf = 14.6 N/m.

<sup>1</sup>All fasteners must be located a minimum of 3/8 inch from panel edges.

<sup>2</sup>For framing of other species, the shear value above must be multiplied by the Specific Gravity Adjustment Factor = [1 - (0.50 - SG)], where SG is the specific gravity of the framing lumber in accordance with the AWC NDS. This adjustment factor must not be greater than 1.

<sup>3</sup>Fasteners must be common nails or equivalent, or staples, of a type generally used to attach wood sheathing.

<sup>4</sup>Type R-6 R-Sheathing panels have a foam plastic insulation thickness of 1.0 inch. Type R-3 R-Sheathing panels have a foam plastic insulation thickness of 0.5 inch.

<sup>5</sup>The maximum height-to-width aspect ratio of shear walls is 2:1.

<sup>6</sup>The allowable shear capacity may be increased by 40% for wind in Allowable Stress Design in accordance with Section 2306.3 IBC.

<sup>7</sup>All panel edges must be backed by framing.

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**REPORT HOLDER:**

HUBER ENGINEERED WOODS, LLC

**EVALUATION SUBJECT:**

ZIP SYSTEM® R-SHEATHING (INSULATED SHEATHING)

## 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that ZIP System® R-Sheathing, described in ICC-ES evaluation report [ESR-3373](#), has also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

**Applicable code editions:**

- 2023 *City of Los Angeles Building Code* (LABC)
- 2023 *City of Los Angeles Residential Code* (LARC)

## 2.0 CONCLUSIONS

The ZIP System® R-Sheathing, described in Sections 2.0 through 7.0 of the evaluation report [ESR-3373](#), complies with the LABC Chapters 14 and 23, and the LARC, and is subject to the conditions of use described in this supplement.

## 3.0 CONDITIONS OF USE

The ZIP System® R-Sheathing described in this evaluation report supplement must comply with all of the following conditions:

- All applicable sections in the evaluation report [ESR-3373](#).
- The design, installation, conditions of use and identification of the ZIP System® R-Sheathing panels are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report [ESR-3373](#).
- The design, installation and inspection are in accordance with additional requirements of LABC Chapters 16 and 17, as applicable.
- Under the LARC, an engineered design in accordance with LARC Section R301.1.3 must be submitted.

This supplement expires concurrently with the evaluation report ESR-3373, reissued June 2023 and revised April 2024.

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HUBER ENGINEERED WOODS, LLC

**EVALUATION SUBJECT:**

ZIP SYSTEM® R-SHEATHING (INSULATED SHEATHING)

**1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that ZIP System® R-Sheathing, described in ICC-ES evaluation report ESR-3373, has also been evaluated for compliance with the code(s) noted below.

**Applicable code editions:**

- 2022 California Building Code® (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) AKA: California Department of Health Care Access and Information (HCAI) and the Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

- 2022 California Residential Code® (CRC)

**2.0 CONCLUSIONS****2.1 CBC:**

The ZIP System® R-Sheathing, described in Sections 2.0 through 7.0 of the evaluation report ESR-3373, complies with CBC Chapters 14 and 23, provided the design and installation are in accordance with the 2021 *International Building Code*® (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 16 and 17, as applicable.

**2.1.1 OSHPD:** The applicable OSHPD Sections and Chapters of the CBC are beyond the scope of this supplement.

**2.1.2 DSA:** The applicable DSA Sections and Chapters of the CBC are beyond the scope of this supplement.

**2.2 CRC:**

The ZIP System® R-Sheathing, described in Sections 2.0 through 7.0 of the evaluation report ESR-3373, complies with CRC Chapters 3 and 6, provided the design and installation are in accordance with the 2021 *International Residential Code*® (IRC) provisions noted in the evaluation report and the additional requirements of CRC Chapters 3 and 6 as applicable.

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**1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that ZIP System® R-Sheathing, described in ICC-ES evaluation report ESR-3373, has also been evaluated for compliance with the codes noted below.

**Applicable code editions:**

- 2023 Florida Building Code—Building
- 2023 Florida Building Code—Residential

**2.0 CONCLUSIONS**

The ZIP System® R-Sheathing, described in Sections 2.0 through 7.0 of ICC-ES evaluation report ESR-3373, complies with the *Florida Building Code—Building* and *Florida Building Code—Residential*, provided the design requirements are determined in accordance with the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-3373 for the 2021 *International Building Code*® meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable.

Use of the ZIP System® R-Sheathing for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* or the *Florida Building Code—Residential* has not been evaluated and is outside the scope of this supplemental report.

For products falling under Florida Rule 61G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

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