

# ICC-ES Evaluation Report

**ESR-1066**

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This report also contains:

- [CA Supplement](#)

- [FL Supplement](#)

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| <p><b>DIVISION: 07 00 00—<br/>THERMAL AND<br/>MOISTURE<br/>PROTECTION</b></p> <p><b>Section: 07 46 33—<br/>Plastic Siding</b></p> | <p><b>REPORT HOLDER:<br/>CERTAINTEED LLC.</b></p> <p><b>ADDITIONAL LISTEES:<br/>VINYL CARPENTRY</b></p> | <p><b>EVALUATION SUBJECT:<br/>CERTAINTEED VINYL<br/>SIDING AND SOFFIT</b></p> |  |
|---|---|---|---|

## 1.0 EVALUATION SCOPE

### 1.1 Compliance with the following codes:

- 2024, 2021, 2018, 2015, and 2012 [International Building Code® \(IBC\)](#)
- 2024, 2021, 2018, 2015, and 2012 [International Residential Code® \(IRC\)](#)

Every code reference in this report is related to 2024 IBC and IRC. See [Table 1](#) for previous code editions of the IBC and IRC.

### Properties evaluated:

- Exterior veneer
- Wind load resistance—transverse
- Types I, II, III and IV construction
- Fire-resistance-rated construction

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

- 2022 [California Green Building Standards Code \(CALGreen\)](#), Title 24, Part 11
- 2020, 2015, 2012 and 2008 ICC 700 [National Green Building Standard™](#) (ICC 700-2020, ICC 700-2015, ICC 700-2012 and ICC 700-2008)

### Attributes verified:

See Section 3.0

## 2.0 USES

CertainTeed vinyl sidings, which are also sold under the brand name Vinyl Carpentry, are used as exterior wall coverings on buildings of all construction types over approved sheathings; and as closures on the underside of exterior roof eaves (soffits).

## 3.0 DESCRIPTION

The CertainTeed and Vinyl Carpentry vinyl sidings and soffits are extruded from polyvinyl chloride (PVC) resins. The siding panels conform to the requirements of ASTM D3679 and are formed with an upper edge having nail slots and a lower edge that hooks into the upper edge of the lower course. The accessory items, used to detail the application of the product as an exterior wall covering, are of the same material.

All siding panels are designed with receiving legs and a nailing flange with pre-punched elongated nailing slots. All siding panels used in horizontal applications have weep holes pre-punched at a maximum of 17 inches (432 mm) on center on the underside to provide ventilation and drainage.

The siding panels are available in different colors with a smooth finish or embossed with a matt or wood-grain texture. The siding panels range in thickness from 0.036 inch to 0.050 inch (0.914 mm to 1.27 mm).

The accessory shapes include a fascia, "F" shaped trim, "J" shaped trim, drip cap, starter strips, inside/outside corners, quarter round soffit molding, undersills, soffit cove trim, and "H" divider bar. The thicknesses of accessories range from 0.040 to 0.050 inch (1.02 to 1.27 mm).

Refer to [Table 2](#) for panel thicknesses, lengths, and profiles within the scope of this report.

The attributes of the CertainTeed vinyl sidings have been verified as conforming to the provisions of (i) CALGreen Sections A4.405.1.3 (prefinished materials) and A5.406.1.2 (reduced maintenance); (ii) ICC-700-2020 Sections 601.7 and 11.601.7, ICC 700-2015 and ICC 700-2012 Sections 601.7, 11.601.7, and 12.1(A).601.7 (site-applied finishing materials); and (iii) ICC 700-2008 Section 601.7 (site-applied finishing materials). Note that decisions on compliance for those areas rest with the user of this report. The user is advised of the project-specific provisions that may be contingent upon meeting specific conditions, and the verification of those conditions is outside the scope of this report. The code may provide supplemental information as guidance.

## 4.0 INSTALLATION

### 4.1 General:

Installation must be in accordance IBC Section 1404.15 or IRC Sections R703.3 and R703.11.1 and IRC Table R703.3(1), as applicable, ASTM D4756, the manufacturer's published installation instructions, and this report. The manufacturer's published installation instructions must be available on the jobsite during installation.

**4.1.1 Framing:** Lumber framing must have a minimum specific gravity of 0.42 or must be of other wood-based materials that provide equal or greater fastener withdrawal resistance.

**4.1.2 Sheathing:** Siding profiles must be installed over sheathing as described in Section 4.7.2 of this report, for the IBC, or Section 4.7.3 of this report, for the IRC, as applicable.

**4.1.3 Water-resistive Barriers and Flashing:** The sheathing must be covered with a water-resistive barrier as required by the applicable code. Flashing must be provided at all openings, penetrations, and abutments with dissimilar materials, in accordance with the applicable code.

**4.1.4 Accessory Components:** Accessory components such as corners, starter strips and trim must be fastened in accordance with the manufacturer's published installation instructions.

### 4.2 Installation:

**4.2.1 Horizontal Siding:** For horizontal siding, a starter strip must be installed horizontally along the bottom of the area to be sided. The starter strip must be fastened to the building every 8 inches (203 mm) to 10 inches (254 mm) in slots provided in the strip. The first horizontal siding panel must be locked into the starter strip and fastened to the building through the center of the nailing slots at the maximum spacing specified in [Table 3](#) of this report, as applicable. The fasteners must be located in the center of the slot, leaving a minimum  $1/32$ -inch (0.8 mm) space between the fastener head and the face of the vinyl nailing strip, to allow for expansion. Succeeding panels must be similarly installed, locking into the panel below. The horizontal siding panel ends must be overlapped 1 inch (25.4 mm) at butt joints and held  $1/4$  inch (6.35 mm) clear of all vertical accessory members at wall ends and around openings.

**4.2.2 Vertical Siding:** Vertical siding must be interlocked and fastened, using the appropriate accessory components and fastening methods to secure the panels and allow for expansion in accordance with [Table 3](#) and the manufacturer's published installation instructions.

### 4.3 Soffit Installation:

Soffit must be installed and fastened in accordance with IRC Sections R704.2 and R704.3 and the manufacturer's published installation instructions, also taking into account the high wind limitations of [Table 3](#).

### 4.4 Fasteners:

The fasteners for attaching the siding must be corrosion-resistant nails having 0.313-inch-diameter (7.95 mm) heads and 0.120-inch-diameter (3.05 mm) shanks. For installation over wood-based sheathing (minimum equivalent specific gravity,  $G = 0.42$ ), fasteners must be long enough to penetrate the underlying framing at least  $3/4$  inch (19.1 mm). When sheathing other than wood-based sheathing is used, fasteners must penetrate a minimum of  $1 1/4$  inches (31.8 mm) into framing.

Fasteners for attaching the siding to wood structural panels must be in accordance with IRC Table R703.3.3 and the manufacturer's published installation instructions. Corrosion-resistant staples may be used where indicated in [Table 3](#). Staples must be no.16 gage, with a minimum length of 1<sup>3</sup>/<sub>4</sub> inches (44.4 mm) and a crown width of 7<sup>1</sup>/<sub>16</sub> inch (11.1 mm). For installation over framing and wood-based sheathing (minimum equivalent specific gravity, G = 0.42), minimum staple embedment into framing must be 3<sup>3</sup>/<sub>4</sub> inch (19.1 mm).

#### 4.5 Types I, II, III and IV Construction:

The vinyl siding may be installed on the exterior of buildings of any type of construction when installed over maximum 1-inch-thick (25.4 mm) expanded polystyrene insulation [1 pound per cubic foot (16 kg/m<sup>3</sup>)] and mechanically fastened with noncorrosive, self-tapping, 2<sup>1</sup>/<sub>2</sub>-inch-long (64 mm) screws with minimum 3<sup>5</sup>/<sub>8</sub>-inch-diameter (9.5 mm) heads and 1<sup>1</sup>/<sub>8</sub>-inch-diameter (3.2 mm) shafts, and with minimum 5<sup>5</sup>/<sub>8</sub>-inch-diameter (15.9 mm) nylon washers, to the exterior of a steel stud wall constructed with 1<sup>1</sup>/<sub>2</sub>-inch-thick (12.7 mm) gypsum wall board on the exterior and 5<sup>5</sup>/<sub>8</sub>-inch-thick (15.9 mm) Type X gypsum board on the interior. The assembly described in this section must be limited to installations where the design wind pressures does not exceed 30 pounds per square foot (1.44 kN/m<sup>2</sup>) under the 2024 and 2021 IBC and installations located in Exposure C areas where the nominal design wind speed ( $V_{asd}$ ) under the 2018, 2015 and 2012 IBC does not exceed 100 miles per hour (45 m/s), and the building height is less than or equal to 40 feet (12 192 mm).

#### 4.6 Fire-resistance-rated Construction:

**4.6.1 One-hour Fire-resistance-rated Limited Load-bearing Wood Stud Wall:** Wood studs must be nominal 2-by-4 Douglas fir marked "STD & BTR, Doug. Fir, S-Dry," spaced 16 inches (406 mm) on center. The wall must be constructed with a single bottom plate and double top plates. The wall is a maximum of 10 feet (3.05 m) in height with double 2-by-4 wood fire blocking located at 8 feet (2.44 m) above the bottom plate. Stud cavities must be filled with 3<sup>1</sup>/<sub>2</sub>-inch-thick (88.9 mm), R-11, mineral wool insulation batts. The stud wall must be covered on the exterior with one layer of 1<sup>1</sup>/<sub>2</sub>-inch-thick (12.7 mm), exterior gypsum sheathing, and on the interior face with a single layer of 5<sup>5</sup>/<sub>8</sub>-inch-thick (15.9 mm), Type FSW, fire-resistant gypsum wall board. The exterior wall sheathing must be covered with a water-resistive barrier. The studs are assembled with two 16d smooth box nails on each end. The wall board is installed vertically with 1<sup>3</sup>/<sub>4</sub>-inch-long (44.4 mm), No. 6, bugle head drywall screws spaced 8 inches (203 mm) on center around the perimeter of the board and along the studs. Vertical joints are staggered on opposite sides of the wall. The joints must be treated with ready-mixed joint compound and spark-perforated paper joint reinforcing tape. The siding must be attached to the studs using 2-inch-long (38.1 mm) roofing nails with flat heads, spaced 8 inches (203 mm) on center along the stud.

The axial load capacity of the wall is limited to a maximum load of 1050 pounds (4670 N) per stud or 32 percent of maximum design load calculated under the ANSI/AWC *National Design Specification for Wood Construction*<sup>®</sup> (NDS).

**4.6.2 Fire-resistance-rated Walls on Buildings of Type V Construction under the IBC:** The vinyl siding may be installed over code-complying, exterior, fire-resistance-rated bearing or nonbearing walls required to be of Type V construction under the IBC without affecting the hourly rating of the walls.

#### 4.7 Wind Resistance:

**4.7.1 General:** The design wind pressure must be determined in accordance with the requirements of Chapter 16 of the IBC or Section R301.2.1 of the IRC, as applicable, and must not exceed the allowable values in [Table 3](#), subject to the conditions in Sections 4.7.2 and 4.7.3. Wind resistance of soffit panels is outside the scope of this report except where specifically listed in [Table 3](#) and where installation is as siding.

**4.7.2 IBC:** For buildings constructed under the requirements of the IBC, vinyl siding must be installed as described in IBC Section 1404.15 and Sections 4.1 through 4.6 of this report, as applicable, over sheathings or materials addressed in IBC Section 2304.6 that are capable of independently resisting both positive and negative wind pressures occurring under design conditions at the building location. The allowable negative wind loads for the vinyl siding areas shown in [Table 3](#). Positive wind pressures are not considered for the siding, since the sheathing must be capable of supporting the imposed loads.

**4.7.3 IRC:** For buildings constructed in accordance with the IRC, the siding must be installed as described in Sections 4.1 through 4.6, and in accordance with one of the following conditions:

1. Under the 2024, 2021 and 2018 IRC, installation over sheathing other than foam plastic sheathing, in applications where the design wind pressure does not exceed 30 psf or the ultimate wind speed (3-second gust) does not exceed the limits in Table R703.3.2, installation shall comply with the prescriptive requirements of IRC Section R703.11.1 and Table R703.3(1).

2. Under the 2015 IRC, installation over sheathings other than foam plastic sheathings, in applications where the design wind pressure does not exceed 30 psf or the ultimate wind speed (3-second gust) does not exceed the limits in Table R703.3.1, installation shall comply with the prescriptive requirements of IRC Section R703.11.1 and Table R703.3(1).
3. Under the 2012 IRC, In applications where the building's mean roof height does not exceed 30 feet (9 144 mm) and the basic wind speed (3-second gust) is less than 110 mph (49 m/s) in Exposure B, and does not exceed 90 mph (40 m/s) in Exposure C or 85 mph (38 m/s) in Exposure D, sheathing, other than foam plastic, must be as required by Table R703.4 of the 2012 IRC.
4. For wind conditions exceeding those listed above, the siding must be installed over sheathing that is capable of independently resisting both positive and negative wind pressures occurring under the design conditions at the building location. The allowable negative wind loads for the vinyl siding are as shown in [Table 3](#). Positive wind pressures are not considered for the siding, since the sheathing must be capable of supporting the imposed loads, including but not limited to, positive and negative transverse wind pressures.
5. For installation over foam plastic sheathing: For installation over foam plastic sheathing, in the absence of other approved backing capable of independently resisting the design wind pressure, the siding must be installed in accordance with Section R703.11.2 of the IRC.

## 5.0 CONDITIONS OF USE:

The CertainTeed Vinyl Sidings and Soffits 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 Installation complies with this report, the manufacturer's published instructions and the applicable code. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.
- 5.2 The siding is limited to maximum design wind pressures shown in [Table 3](#) of this report.
- 5.3 In jurisdictions adopting the IRC, the siding must be installed in accordance with Section 4.7.3 of this report and limited to areas where the design wind pressure does not exceed the values shown in [Table 3](#) of this report.
- 5.4 The exterior walls must be braced or sheathed to resist racking loads with approved materials in accordance with the requirements of the applicable building code.
- 5.5 When installation is on Types I, II, III and IV construction (IBC) and fire-resistance-rated construction, refer to Sections 4.5 and 4.6 of this report, respectively.
- 5.6 The siding may be installed on buildings of any construction type under the IBC or buildings under the IRC, and at a fire separation distance of greater than 5 feet (1524 mm) in accordance with IBC Section 1405.1.1.1.2 or IRC Table R302.1(1) and R302.1(2), as applicable.
- 5.7 The sheathing must be covered with a water-resistive barrier, as required by the applicable code.
- 5.8 The siding is manufactured under a quality control program with inspections by ICC-ES.

## 6.0 EVIDENCE SUBMITTED

- 6.1 Data in accordance with the [ICC-ES Acceptance Criteria for Vinyl Siding \(AC37\)](#), dated February 2014 (editorially revised February 2024).
- 6.2 Test reports in accordance with NFPA 268 and ASTM E119.

## 7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-1066) along with the name, registered trademark, or registered logo of the report holder (CertainTeed or Vinyl Carpentry) must be included in the product label.
- 7.2 In addition, the vinyl sidings and soffits described in this report are identified by a stamp bearing the brand name (CertainTeed or Vinyl Carpentry), the product name and style and, the statement "Conforms to ASTM Specification D3679".
- 7.3 The soffits must be marked every four (4) feet on center with a number or marking that ties the product back to the manufacturer. The net free area of the soffit panel must be included on the packaging or label.

7.4 The report holder’s contact information is the following:

**CERTAINTEED LLC.**  
**20 MOORES ROAD**  
**MALVERN, PENNSYLVANIA 19355**  
**(800) 233-8990**  
[www.certainteed.com](http://www.certainteed.com)

7.5 The additional listee’s contact information is the following:

**VINYL CARPENTRY**  
**20 MOORES ROAD**  
**MALVERN, PENNSYLVANIA 19355**  
**(800) 233-8990**

**TABLE 1— APPLICABLE SECTIONS UNDER EACH EDITION OF THE IBC AND IRC**

| 2024 IBC             | 2021 IBC        | 2018 IBC             | 2015 IBC        | 2012 IBC |
|----------------------|-----------------|----------------------|-----------------|----------|
| Section 1404.15      | Section 1404.14 |                      | Section 1405.14 |          |
| Section 1405.1.1.1.2 |                 | Section 1406.2.1.1.2 |                 |          |
| 2024 IRC             | 2021 IRC        | 2018 IRC             | 2015 IRC        | 2012 IRC |
| Section R301.2.1     |                 |                      |                 |          |
| Table R302.1(1)      |                 |                      |                 | --       |
| Table R302.1(2)      |                 |                      |                 | --       |
| Section R703.3       |                 |                      | Section R703.4  |          |
| Section R703.11.1    |                 |                      |                 |          |
| Section R703.11.2    |                 |                      |                 |          |
| Table R703.3(1)      |                 |                      | Table R703.4    |          |
| Table R703.3.3       |                 | Table R703.3.2       |                 | --       |
| Section R704.2       |                 | --                   |                 |          |
| Section R704.3       |                 | --                   |                 |          |

**TABLE 2—CERTAINTEED VINYL SIDING AND SOFFIT**

| PRODUCT NAME  | PRODUCT CODE | PRODUCT STYLE   | THICKNESS (inch) | LENGTH (feet-inches) |
|---|--------------|---|------------------|----------------------|
| The following products are sold under the brand name CertainTeed:     |              |   |                  |                      |
| Monogram  | 33101        | Double 4-inch   | 0.046            | 12-6                 |
|   | 33110        | Double 4-inch   | 0.046            | 12-6                 |
|   | 33122        | Double 5-inch   | 0.046            | 12-0                 |
|   | 33103        | Double 5-inch DutchLap  | 0.046            | 12-0                 |
|   | 33125        | Double 5-inch DutchLap  | 0.046            | 12-0                 |
| Monogram XL   | 33114        | Double 4-inch   | 0.046            | 16-8                 |
|   | 33139        | Double 4-inch   | 0.046            | 20-0                 |
|   | 33126        | Double 5-inch DutchLap  | 0.046            | 16-0                 |
|   | 33140        | Double 5-inch DutchLap  | 0.046            | 20-0                 |
| Restoration Classic   | 36110        | Double 4-inch   | 0.044            | 12-6                 |
|   | 36118        | Double 4 <sup>1</sup> / <sub>2</sub> -inch                                | 0.044            | 12-1                 |
|   | 36119        | Double 4 <sup>1</sup> / <sub>2</sub> -inch DutchLap                       | 0.044            | 12-1                 |
|   | 36122        | Double 5-inch   | 0.044            | 12-0                 |
|   | 36132        | Triple 3-inch   | 0.044            | 12-1                 |
| Mainstreet  | 39131        | Triple 3-inch   | 0.042            | 12-1                 |
|   | 39110        | Double 4-inch   | 0.042            | 12-6                 |
|   | 39122        | Double 5-inch   | 0.042            | 12-0                 |
|   | 39113        | Double 4-inch DutchLap  | 0.042            | 12-6                 |
|   | 39125        | Double 5-inch DutchLap  | 0.042            | 12-0                 |
|   | 39104        | Single 8-inch   | 0.042            | 12-6                 |
|   | 39102        | 6 <sup>1</sup> / <sub>2</sub> -inch Beaded                                | 0.042            | 12-4                 |
| Board & Batten  | 34136        | Single 7 Vertical   | 0.052            | 10-0                 |
|   | 34137        | Single 8 Vertical   | 0.048            | 12-6                 |
|   | 34138        | Single 8 Vertical   | 0.048            | 10-0                 |
| Carolina Beaded   | 38102        | 6 <sup>1</sup> / <sub>2</sub> -inch Beaded                                | 0.044            | 12-4                 |
| Northwoods  | 60106        | Single 7-inch Rough-Split Shake   | 0.050            | 10-1                 |
|   | 60108        | Single 7-inch Perfection Shingle  | 0.060            | 10-1                 |
|   | 60109        | Single 7-inch Sawmill Shingle   | 0.060            | 10-1                 |
| American Legend   | 40110        | Double 4-inch   | 0.042            | 12-6                 |
|   | 40122        | Double 5-inch   | 0.042            | 12-0                 |
|   | 40119        | Double 4 <sup>1</sup> / <sub>2</sub> -inch DutchLap                       | 0.042            | 12-1                 |
| Encore  | 43110        | Double 4-inch   | 0.040            | 12-6                 |
|   | 43122        | Double 5-inch   | 0.040            | 12-0                 |
|   | 43119        | Double 4 <sup>1</sup> / <sub>2</sub> -inch DutchLap                       | 0.040            | 12-1                 |
| The following products are sold under the brand name Vinyl Carpentry: |              |   |                  |                      |
| Triple 3 <sup>1</sup> / <sub>3</sub> " InvisiVent Soffit              | 46228        | Triple 3 <sup>1</sup> / <sub>3</sub> " Vented Soffit                      | 0.044            | 12-6                 |
| Triple 3 <sup>1</sup> / <sub>3</sub> " Soffit / Vertical              | 46229        | Triple 3 <sup>1</sup> / <sub>3</sub> " Solid Soffit / Vertical Siding     | 0.044            | 12-6                 |
| IronMax Soffit / Vertical   | 47201        | Double 5-inch Solid Soffit / Vertical Siding                              | 0.046            | 12-0                 |
|   | 47205        | Double 5-inch Fully Vented  | 0.046            | 12-0                 |
| Universal Soffit / Vertical   | 48224        | Triple 4-inch Fully Vented  | 0.040            | 12-0                 |
|   | 48216        | Triple 4-inch Solid Soffit / Vertical Siding                              | 0.040            | 12-0                 |
|   | 48220        | Triple 4-inch Center Vented   | 0.040            | 12-0                 |
| Beaded Soffit / Vertical  | 46209        | Triple 2-inch Solid Soffit / Vertical Siding                              | 0.039            | 12-6                 |
|   | 46211        | Triple 2-inch Vented  | 0.039            | 12-6                 |
| Value Soffit  | 49224        | Triple 4-inch Fully Vented  | 0.036            | 12-0                 |
|   | 49216        | Triple 4-inch Solid Soffit  | 0.036            | 12-0                 |
|   | 49220        | Triple 4-inch Center Vented   | 0.036            | 12-0                 |
| Perimeter Soffit / Vertical   | 46231        | Triple 3 <sup>1</sup> / <sub>3</sub> -inch Solid Soffit / Vertical Siding | 0.040            | 12-6                 |
|   | 46230        | Triple 3 <sup>1</sup> / <sub>3</sub> -inch Vented Soffit                  | 0.040            | 12-6                 |

For SI: 1 inch = 25.4

TABLE 3—ALLOWABLE NEGATIVE WIND LOADS

| PRODUCT NAME               | MAXIMUM STUD <sup>1</sup> SPACING (inches) | FASTENER <sup>2</sup> | ALLOWABLE NEGATIVE WINDLOAD (psf) |                    | PRODUCT NAME              | MAXIMUM STUD <sup>1</sup> SPACING (inches) | FASTENER <sup>2</sup>          | ALLOWABLE NEGATIVE WINDLOAD (psf) |                    |
|----------------------------|--|-----------------------|-----------------------------------|--------------------|---------------------------|--|--------------------------------|-----------------------------------|--------------------|
|                            |  |                       | 2012, 2015, 2018 IBC/IRC          | 2024, 2021 IBC/IRC |                           |  |                                | 2012, 2015, 2018 IBC/IRC          | 2024, 2021 IBC/IRC |
| Monogram D5                | 16   | Nail to studs         | 92.6                              | 66.7               | Mainstreet S8             | 16   | Nail to studs                  | 29.1                              | 21.0               |
|                            | 24   | Nail to studs         | 64.8                              | 46.7               | Mainstreet S6.5 Beaded    | 16   | Nail to studs                  | 29.1                              | 21.0               |
|                            | 16   | Staple to studs       | 64.8                              | 46.7               | Carolina Beaded           | 16   | Nail to studs                  | 58.0                              | 41.7               |
| Monogram D5DL              | 16   | Nail to studs         | 101.9                             | 73.4               |                           | 16   | Staple to studs                | 77.2                              | 55.6               |
|                            | 24   | Nail to studs         | 61.7                              | 44.4               |                           | 24   | Nail to studs                  | 49.4                              | 35.6               |
|                            | 16   | Staple to studs       | 68.0                              | 49.0               |                           | 24   | Staple to studs                | 52.4                              | 37.7               |
| Monogram D4                | 16   | Nail to studs         | 160.6                             | 115.6              | Northwoods S7 Rough-Split | 16   | Nail to studs                  | 105.0                             | 75.6               |
|                            | 24   | Nail to studs         | 70.9                              | 51.0               | Northwoods S7 Perfection  | 16   | Nail to studs                  | 120.4                             | 86.7               |
|                            | 16   | Staple to studs       | 80.2                              | 57.7               | Northwoods S7 Sawmill     | 16   | Nail to studs                  | 120.4                             | 86.7               |
| Monogram XL D4             | 16   | Nail to studs         | 126.5                             | 91.1               | Board & Batten S8         | 12   | Nail to sheathing <sup>3</sup> | 98.7                              | 71.1               |
|                            | 24   | Nail to studs         | 89.4                              | 64.4               | Board & Batten S7         | 12   | Nail to sheathing <sup>3</sup> | 111.1                             | 80.0               |
| Monogram XLD5DL            | 16   | Nail to studs         | 89.4                              | 64.4               | American Legend D5        | 16   | Nail to studs                  | 55.6                              | 40.0               |
|                            | 24   | Nail to studs         | 55.6                              | 40.0               | American Legend D45DL     | 16   | Nail to studs                  | 77.2                              | 55.6               |
| Restoration Classic D5     | 16   | Nail to studs         | 98.7                              | 71.1               | American Legend D4        | 16   | Nail to studs                  | 71.9                              | 51.8               |
|                            | 16   | Staple to studs       | 49.4                              | 35.6               |                           | 24   | Nail to studs                  | 49.4                              | 35.6               |
|                            | 24   | Nail to studs         | 68.5                              | 49.3               |                           | 16   | Staple to studs                | 80.2                              | 57.7               |
| Restoration Classic D4     | 16   | Nail to studs         | 120.4                             | 86.7               | Encore D5                 | 16   | Nail to studs                  | 80.2                              | 57.7               |
|                            | 24   | Nail to studs         | 95.7                              | 68.9               |                           | 24   | Nail to studs                  | 46.3                              | 33.3               |
| Restoration Classic D4.5   | 16   | Nail to studs         | 145.0                             | 104.4              | Encore D4                 | 16   | Nail to studs                  | 108.0                             | 77.8               |
| Restoration Classic D4.5DL | 16   | Nail to studs         | 105.0                             | 75.6               |                           | 24   | Staple to studs                | 55.6                              | 40.0               |
| Restoration Classic T5     | 16   | Nail to studs         | 108.0                             | 77.8               |                           | 16   | Nail to studs                  | 74.1                              | 53.4               |
| Mainstreet D5              | 16   | Nail to studs         | 89.4                              | 64.4               | Encore D4.5DL             | 16   | Nail to studs                  | 64.8                              | 46.7               |
|                            | 16   | Staple to studs       | 52.4                              | 37.7               | Triple 3-1/3 Vertical     | 12   | Nail to sheathing <sup>3</sup> | 58.7                              | 42.3               |
|                            | 24   | Nail to studs         | 64.8                              | 46.7               | Perimeter Vertical        | 12   | Nail to sheathing <sup>3</sup> | 51.9                              | 37.4               |
| Mainstreet D5DL            | 16   | Nail to studs         | 83.3                              | 60.0               | Universal Vertical        | 12   | Nail to sheathing <sup>3</sup> | 55.6                              | 40.0               |
|                            | 16   | Staple to studs       | 80.2                              | 57.7               | IronMax Vertical          | 12   | Nail to sheathing <sup>3</sup> | 55.6                              | 40.0               |
|                            | 24   | Nail to studs         | 58.7                              | 42.3               | Beaded T2 Vertical        | 12   | Nail to sheathing <sup>3</sup> | 80.2                              | 57.7               |
|                            | 24   | Staple to studs       | 49.4                              | 35.6               | Triple 3-1/3 Soffit       | 16   | Nail to framing                | 125.9                             | 90.6               |
| Mainstreet D4              | 16   | Nail to studs         | 105.0                             | 75.6               | IronMax Soffit            | 16   | Nail to framing                | 107.4                             | 77.3               |
|                            | 24   | Nail to studs         | 58.7                              | 42.3               | Univeral Soffit           | 16   | Nail to framing                | 88.9                              | 64.0               |
|                            | 16   | Staple to studs       | 114.3                             | 82.3               | Beaded T2 Soffit          | 16   | Nail to framing                | 163.0                             | 117.4              |
| Mainstreet T3              | 16   | Nail to studs         | 29.1                              | 21.0               | Value Soffit              | 16   | Nail to framing                | 61.1                              | 44.0               |
| Mainstreet D4DL            | 16   | Nail to studs         | 89.4                              | 64.4               |                           |  |                                |                                   |                    |

For SI: 1 inch = 25.4 mm, 1psf = 0.0479 kpa

<sup>1</sup>Studs are minimum 2-by-4 wood with a minimum specific gravity of 0.42.

<sup>2</sup>Nails and staples must be as specified in Section 4.4.

<sup>3</sup>Minimum nominally 1/2-inch thick wood-based sheathing having a minimum specific gravity of 0.42, or other materials having equivalent withdrawal resistance.

**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**  
**Section: 07 46 33—Plastic Siding**

**REPORT HOLDER:**

**CERTAINTEED LLC.**

**EVALUATION SUBJECT:**

**CERTAINTEED VINYL SIDING AND SOFFIT**

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

The purpose of this evaluation report supplement is to indicate that the CertainTeed vinyl sidings and soffits, described in ICC-ES evaluation report ESR-1066, have also been evaluated for compliance with the codes 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 CertainTeed vinyl sidings and soffits, described in Sections 2.0 through 7.0 of the evaluation report ESR-1066, comply with CBC Chapter 14, provided the design and installation are in accordance with the 2021 *International Building Code*® provisions noted in the evaluation report and the applicable provisions of the CBC.

**2.1.1 OSHPD:**

The applicable OSHPD Sections of the CBC are beyond the scope of this supplement.

**2.1.2 DSA:**

The applicable DSA Sections of the CBC are beyond the scope of this supplement.

**2.2 CRC:**

The CertainTeed vinyl sidings and soffits, described in Sections 2.0 through 7.0 of the evaluation report ESR-1066, comply with CRC Chapter 7, provided the design and installation are in accordance with the 2021 *International Residential Code*® provisions noted in the evaluation report and the applicable provisions of the CRC.

This supplement expires concurrently with the evaluation report, reissued May 2024 and revised October 2024.



**DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION**  
**Section: 07 46 33—Plastic Siding**

**REPORT HOLDER:**

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## 1.0 REPORT PURPOSE AND SCOPE

**Purpose:**

The purpose of this evaluation report supplement is to indicate that CertainTeed Vinyl Siding and Soffits, described in ICC-ES evaluation report ESR-1066, have 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 CertainTeed Vinyl Siding and Soffits, described in Sections 2.0 through 7.0 of the evaluation report ESR-1066, comply with the *Florida Building Code—Building*® and the *Florida Building Code—Residential*®. The design requirements must be determined in accordance with the *Florida Building Code—Building*® and the *Florida Building Code—Residential*®, as applicable. The installation requirements noted in the ICC-ES evaluation report ESR-1066 for the 2021 *International Building Code*® meet the requirements of the *Florida Building Code—Building*® or the *Florida Building Code—Residential*®, as applicable, with the following conditions:

- Clearance between exterior wall coverings and final earth grade must meet the requirements of Section 1403.8 of the *Florida Building Code—Building*® or Section R318.7 of the *Florida Building Code—Residential*®, as applicable.
- Soffit pieces must be labeled and installed in accordance with the requirements of Section 1709.10 of the *Florida Building Code—Building*®.

Use of the CertainTeed Vinyl Siding and Soffits for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building*® and the *Florida Building Code—Residential*® has not been evaluated and is outside the scope of this evaluation 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).

This supplement expires concurrently with the evaluation report, reissued May 2024 and revised October 2024.