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# ICC-ES Evaluation Report

# ESR-1066

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

**SECTION: 07 46 33—PLASTIC SIDING**

**REPORT HOLDER:**

**CERTAINTEED CORPORATION**

**EVALUATION SUBJECT:**

**CERTAINTEED VINYL SIDING AND SOFFIT**



*“2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence”*



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# ICC-ES Evaluation Report

**ESR-1066**

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A Subsidiary of the International Code Council®

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

**Section: 07 46 33—Plastic Siding**

**REPORT HOLDER:**

**CERTAINTEED CORPORATION**

**EVALUATION SUBJECT:**

**CERTAINTEED VINYL SIDING AND SOFFIT**

**ADDITIONAL LISTEES:**

**VINYL CARPENTRY**

**VYTEC**

**1.0 EVALUATION SCOPE**

**1.1 Compliance with the following codes:**

- 2018, 2015, 2012 and 2009 *International Building Code*® (IBC)
- 2018, 2015, 2012 and 2009 *International Residential Code*® (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:**

- 2016 California Green Building Standards Code (CALGreen), Title 24, Part 11
- 2015, 2012 and 2008 ICC 700 *National Green Building Standard*™ (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 names Vytec and 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, Vytec 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 1 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 700-2015 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 with 2018 IBC Section 1404.14 (2015, 2012 and 2009 IBC Section 1405.14) or 2018 and 2015 IRC Sections R703.3 and R703.11.1 (2012 and 2009 IRC Section R703.4 and R703.11.1) and 2018 and 2015 IRC Table R703.3(1) (2012 and 2009 IRC Table R703.4), 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 2 of this report, as applicable. The fasteners must be located in the center of the slot, leaving a minimum  $\frac{1}{32}$ -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  $\frac{1}{4}$  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 2 and the manufacturer's published installation instructions.

## 4.3 Soffit Installation:

Soffit must be installed and fastened in accordance with the manufacturer's published installation instructions, also taking into account the high wind limitations of Table 2.

## 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  $\frac{3}{4}$  inch (19.1 mm). When sheathing other than wood-based sheathing is used, fasteners must penetrate a minimum of  $1\frac{1}{4}$  inches (31.8 mm) into framing.

Corrosion-resistant staples may be used where indicated in Table 2. Staples must be no.16 gage, with a minimum length of  $1\frac{3}{4}$  inches (44.4 mm) and a crown width of  $\frac{7}{16}$  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  $\frac{3}{4}$  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,  $2\frac{1}{2}$ -inch-long (64 mm) screws with minimum  $\frac{3}{8}$ -inch-diameter (9.5 mm) heads and  $\frac{1}{8}$ -inch-diameter (3.2 mm)

shafts, and with minimum  $\frac{5}{8}$ -inch-diameter (15.9 mm) nylon washers, to the exterior of a steel stud wall constructed with  $\frac{1}{2}$ -inch-thick (12.7 mm) gypsum wall board on the exterior and  $\frac{5}{8}$ -inch-thick (15.9 mm) Type X gypsum board on the interior. The assembly described in this section must be limited to installations located in Exposure C areas where the nominal design wind speed ( $V_{asd}$ ) under the 2018, 2015 and 2012 IBC or the basic wind speeds (3-second gust) under the 2009 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  $3\frac{1}{2}$ -inch-thick (88.9 mm), R-11, mineral wool insulation batts. The stud wall must be covered on the exterior with one layer of  $\frac{1}{2}$ -inch-thick (12.7 mm), exterior gypsum sheathing, and on the interior face with a single layer of  $\frac{5}{8}$ -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  $1\frac{3}{4}$ -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 2, 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 2 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 2018 IBC Section 1404.14 (2015, 2012 and 2009 IBC Section 1405.14) 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 are as shown in Table 2. 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 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 and 2009 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 and 2009 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 2. 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 2 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 2 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 2018 IBC Section 1405.1.1.1.2 [2015 and 2012 IBC Section 1406.2.1.1.2 (2009 IBC Section 1406.2.1.2)] or 2018 and 2015 IRC Table R302.1(1) and R302.1(2) (2009 IRC Table R302.1), 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 in Jackson, Michigan; Claremont, North Carolina; and Williamsport, Maryland, 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 October 2017).

6.2 Test reports in accordance with NFPA 268 and ASTM E119.

## 7.0 IDENTIFICATION

7.1 The vinyl sidings and soffits described in this report are identified by a stamp bearing the brand name (CertainTeed, Vytec or Vinyl Carpentry), the product name and style, the statement "Conforms to ASTM Specification D3679," and the evaluation report number (ESR-1066).

7.2 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.

7.3 The report holder's contact information is the following:

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

7.4 The additional listees' contact information is the following:

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

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

TABLE 1—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 4½-inch	0.044	12-1
	36119	Double 4½-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	6½-inch Beaded	0.042	12-4
Board & Batten	34137	Single 8 Vertical	0.048	12-6
	34138	Single 8 Vertical	0.048	10-0
Carolina Beaded	38102	6½-inch Beaded	0.044	12-4
Northwoods	60106	Single 7-inch	0.050	10-1
	60148	Single 9-inch Shake	0.050	10-4
Wolverine American Legend	40110	Double 4-inch	0.042	12-6
	40122	Double 5-inch	0.042	12-0
	40119	Double 4½-inch DutchLap	0.042	12-1
Encore	43130	Triple 3-inch	0.040	12-1
	43110	Double 4-inch	0.040	12-6
	43122	Double 5-inch	0.040	12-0
	43119	Double 4½-inch DutchLap	0.040	12-1
The following products are sold under the brand name Vinyl Carpentry:				
Triple 3⅓" InvisiVent Soffit	46228	Triple 3⅓" Vented Soffit	0.044	12-6
Triple 3⅓" Soffit / Vertical	46229	Triple 3⅓" 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
Chamfer Board Soffit / Vertical	32100	Double 5-inch Solid Soffit / Vertical Siding	0.044	12-0
	32101	Double 5-inch Fully Vented	0.044	12-0

For SI: 1 inch = 25.4mm

(continued)

TABLE 1—CERTAINTED VINYL SIDING AND SOFFIT (continued)

PRODUCT NAME	PRODUCT CODE	PRODUCT STYLE	THICKNESS (inch)	LENGTH (feet-inches)
Perimeter Soffit / Vertical	46231	Triple 3 <sup>1</sup> / <sub>3</sub> -inch Solid Soffit / Vertical Siding	0.044	12-6
	46230	Triple 3 <sup>1</sup> / <sub>3</sub> -inch Vented Soffit	0.044	12-6
The following products are sold under the brand name Vytec:				
Nantucket	Double 4-inch		0.040	12-3
	Double 4-inch DutchLap		0.040	12-3
	Double 4 <sup>1</sup> / <sub>2</sub> -inch DutchLap		0.040	12-11
Proside	Double 4-inch		0.042	12-3
	Double 4 <sup>1</sup> / <sub>2</sub> -inch		0.042	12-11
	Double 4 <sup>1</sup> / <sub>2</sub> -inch DutchLap		0.042	12-11
	Single 8-inch		0.042	12-3
Prestige	Double 4 <sup>1</sup> / <sub>2</sub> -inch		0.044	12-11
	Double 4 <sup>1</sup> / <sub>2</sub> -inch DutchLap		0.044	12-11
	Double 5-inch DutchLap		0.044	12-11
Bayside Beaded	Single 6.5-inch Vertical		0.042	12-4

For SI: 1 inch = 25.4mm

TABLE 2—ALLOWABLE NEGATIVE WIND LOADS

PRODUCT NAME	MAXIMUM STUD <sup>1</sup> SPACING (inches)	FASTENER <sup>2</sup>	ALLOWABLE NEGATIVE WIND LOAD (psf)	PRODUCT NAME	MAXIMUM STUD <sup>1</sup> SPACING (inches)	FASTENER <sup>2</sup>	ALLOWABLE NEGATIVE WIND LOAD (psf)
Monogram D5	16	Nail to studs	92.6	Northwoods S7	16	Nail to studs	105.0
	24	Nail to studs	64.8	Northwoods S9	16	Nail to studs	98.7
	16	Staple to studs	64.8	Board & Batten	12	Nail to sheathing <sup>3</sup>	98.7
Monogram D5DL	16	Nail to studs	101.9	Wolverine American Legend D5	16	Nail to studs	55.6
	24	Nail to studs	61.7	Wolverine American Legend D4.5DL	16	Nail to studs	77.2
	16	Staple to studs	68.0	Wolverine American Legend D4	16	Nail to studs	71.9
Monogram D4	16	Nail to studs	160.6		24	Nail to studs	49.4
	24	Nail to studs	70.9		16	Staple to studs	80.2
	16	Staple to studs	80.2	Encore D5	16	Nail to studs	80.2
Monogram XL D4	16	Nail to studs	126.5		24	Nail to studs	46.3
	24	Nail to studs	89.4		Encore D4	16	Nail to studs
Monogram 46XL D5DL	16	Nail to studs	89.4	24		Nail to studs	55.6
	24	Nail to studs	55.6	16		Staple to studs	74.1
Restoration Classic D5	16	Nail to studs	98.7	Encore D4.5DL	16	Nail to studs	64.8
	16	Staple to studs	49.4	Encore T3	16	Nail to studs	29.1
	24	Nail to studs	68.5	Triple 3 <sup>1</sup> / <sub>3</sub> Vertical	12	Nail to sheathing <sup>3</sup>	58.7
Restoration Classic D4	16	Nail to studs	120.4	Chamfer Board Soffit / Vertical	16	Nail to sheathing <sup>3</sup>	52.5
	24	Nail to studs	95.7	Perimeter Vertical	12	Nail to sheathing <sup>3</sup>	51.9
Restoration Classic D4.5	16	Nail to studs	145.0	Universal Vertical	12	Nail to sheathing <sup>3</sup>	55.6
Restoration Classic D4.5DL	16	Nail to studs	105.0	IronMax Vertical	12	Nail to sheathing <sup>3</sup>	55.6
Restoration Classic T3	16	Nail to studs	108.0	Beaded T2 Vertical	12	Nail to sheathing <sup>3</sup>	80.2
Mainstreet D5	16	Nail to studs	89.4	Triple 3 <sup>1</sup> / <sub>3</sub> Soffit	16	Nail to framing	125.9
	16	Staple to studs	52.4	IronMax Soffit	16	Nail to framing	107.4
	24	Nail to studs	64.8	Universal Soffit	16	Nail to framing	88.9
Mainstreet D5DL	16	Nail to studs	83.3	Beaded T2 Soffit	16	Nail to framing	163.0
	16	Staple to studs	80.2	Value Soffit	16	Nail to framing	61.1
	24	Nail to studs	58.7	Nantucket D4	16	Nail to studs	70.9
	24	Staple to studs	49.4	Nantucket D4DL	16	Nail to studs	29.1
Mainstreet D4	16	Nail to studs	105.0	Nantucket 4.5DL	16	Nail to studs	55.6
	24	Nail to studs	58.7	Proside D4	16	Nail to studs	49.4
	16	Staple to studs	114.3	Proside D4.5	16	Nail to studs	29.1
Mainstreet T3	16	Nail to studs	29.1	Proside D4.5DL	16	Nail to studs	70.9
Mainstreet D4DL	16	Nail to studs	89.4	Proside S8	16	Nail to studs	29.1
Mainstreet S8	16	Nail to studs	29.1	Prestige D4.5	16	Nail to studs	114.3
Mainstreet S6.5 Beaded	16	Nail to studs	29.1	Prestige D4.5DL	16	Nail to studs	126.5
Carolina Beaded	16	Nail to studs	58.0	Prestige D5DL	16	Nail to studs	108.0
	16	Staple to studs	77.2	Bayside Beaded S6.5	16	Nail to studs	58.7
	24	Nail to studs	49.4	-	-	-	-
	24	Staple to studs	52.4	-	-	-	-

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.

## ICC-ES Evaluation Report

## ESR-1066 CBC and CRC Supplement

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**Section: 07 46 33—Plastic Siding**

### REPORT HOLDER:

**CERTAINTEED CORPORATION**

### 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, recognized in ICC-ES master evaluation report ESR-1066, have also been evaluated for compliance with the codes noted below.

#### Applicable code editions:

- 2016 *California Building Code*® (CBC)
- 2016 *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 master evaluation report ESR-1066, comply with CBC Chapter 14, provided the design and installation are in accordance with the 2015 *International Building Code*® provisions noted in the master report and the applicable provisions of the CBC.

The CertainTeed vinyl sidings and soffits have not been evaluated under CBC Chapter 7A for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

#### 2.2 CRC:

The CertainTeed vinyl sidings and soffits, described in Sections 2.0 through 7.0 of the master evaluation report ESR-1066, comply with CRC Chapter 7, provided the design and installation are in accordance with the 2015 *International Residential Code*® provisions noted in the master report and the applicable provisions of the CRC.

The CertainTeed vinyl sidings and soffits have not been evaluated under CRC Section R337 for use in the exterior design and construction of new buildings located in a Fire Hazard Severity Zone within State Responsibility Areas or any Wildland–Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the *International Wildland–Urban Interface Code*®.

This supplement expires concurrently with the master report, reissued May 2019.



## ICC-ES Evaluation Report

## ESR-1066 FBC Supplement

Reissued May 2019

This report is subject to renewal May 2020.

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

### REPORT HOLDER:

**CERTAINEED CORPORATION**

### EVALUATION SUBJECT:

**CERTAINEED VINYL SIDING AND SOFFIT**

### 1.0 REPORT PURPOSE AND SCOPE

#### Purpose:

The purpose of this evaluation report supplement is to indicate that CertainTeed Vinyl Siding and Soffits, recognized in ICC-ES master report ESR-1066, have also been evaluated for compliance with the codes noted below.

#### Applicable code editions:

- 2017 *Florida Building Code—Building*®
- 2017 *Florida Building Code—Residential*®

### 2.0 CONCLUSIONS

The CertainTeed Vinyl Siding and Soffits, described in Sections 2.0 through 7.0 of the master evaluation report ESR-1066, comply with the *Florida Building Code—Building*® and the *Florida Building Code—Residential*®, provided the design and installation are in accordance with the 2015 *International Building Code*® provisions noted in the master report and the following conditions apply:

- Design wind loads determined in accordance with ASCE 7-10 or Section 1609 of the *Florida Building Code—Building*® are permitted to be multiplied by 0.6 when comparing to the wind loads in Table 2 of the master report.
- Installation over foam sheathing under the *Florida Building Code—Residential*® must be in accordance with Section R703.11.
- 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 9N-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 master report, reissued May 2019.