Code Compliance Research Report
CCRR-0480

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Revision Date: 03-30-2026
Renewal Date: 03-31-2027

DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION
Section: 07 46 00 – Siding
07 42 93 – Soffit Panels

REPORT HOLDER:
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REPORT SUBJECT:
Fastplank Siding and Soffit Systems

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2024, 2021, and 2018 *International Building Code®* (IBC)
- 2024, 2021, and 2018 *International Residential Code®* (IRC)
- 2025 and 2022 *California Building Code* (CBC)
- 2025 and 2022 *California Residential Code* (CRC)
- 2025 *California Wildlife-Urban Interface Code (CWUIC)*

NOTE: This report references the most recent Code editions cited. Section numbers in earlier editions may differ.

1.2 The Fastplank Siding and Soffit Systems have been evaluated for the following properties (see Table 1):

- Physical properties
- Surface burning characteristics
- Weather resistance
- Wind resistance
- Non-combustibility

1.3 The Fastplank Siding and Soffit Systems have been evaluated for the following uses (see Table 1):

- Use as an exterior cladding on buildings of Types I, II, III, IV, and V construction under the IBC and construction permitted under the IRC.

2.0 STATEMENT OF COMPLIANCE

The Fastplank Systems comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2, and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.0.

2.1 2024 IBC and IRC Evaluation Reports: The Intertek CCRR is an *Evaluation Report* for approval of an alternate material, design, or method of construction in accordance with Section 104.2.3.6.1 of the 2024 IBC and Section R104.2.2.6.1 of the 2024 IRC.

3.0 DESCRIPTION

3.1 Fastplank Siding Systems: Models P44V and P46V Fastplank Sidings are exterior wall coverings consisting of aluminum siding planks, fastening clips, and trim accessories. The coated aluminum 16 ft. planks are extruded from 3/64 in. thick aluminum with a V-Notch™ profile. The planks are manufactured in 4 in. and 6 in. See Figure 1 for panel dimensions.

3.2 Fastplank Soffit Systems: Model P47V is a perforated aluminum profile. The Models P44V and P46V siding profile may be used for soffit applications.

3.3 Fastening Clips: The fastening clips are illustrated in Figure 2. The clips are 1 in. wide aluminum extrusions. All additional trims are illustrated in Figure 3.

3.4 Fasteners: Fasteners are as noted in Table 2 and Table 3.

4.0 PERFORMANCE CHARACTERISTICS

4.1 Physical Properties: The Fastplank Systems comply with the requirements of AAMA 1402.

4.2 Flame Spread Characteristics: Fastplank Siding and Soffit panels have a flame spread index not exceeding 25 and a smoke developed index not exceeding 450 when tested in accordance with ASTM E84, and a flame front not exceeding 10.5 ft when tested in accordance with ASTM E2768.

4.3 Wind Resistance: Allowable negative wind design pressures are given in Table 2 and Table 3 for Fastplank Systems installed in accordance with Section 5.0.

4.4 When installed in accordance with this report, Fastplank Systems comply with the requirements for weather protection as per IBC Section 1402.2 and IRC Section R703.1.1.

4.5 Non-combustibility: The Fastplank Siding and Soffit Covering planks comply with IBC 703.3.1 and meet the criteria as non-combustible materials.

4.6 Corrosion Resistance: The Fastplank Siding and Soffit Covering planks have been exposed to 1000 hours in accordance with ASTM B117 and displayed no visible deleterious effects.

5.0 INSTALLATION

5.1 General: Fastplank Systems must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation.

5.2 Application: Fastplank Systems shall be installed over an approved water-resistive barrier in accordance with Section 1403.2 of the IBC and Section R703.2 of the IRC. The water-resistive barrier is installed over OSB or plywood sheathing complying with IBC Section 2303.1.5 for wood-framed walls, and over gypsum sheathing complying with ASTM C1396 when installed over steel framing. See Table 2 and Table 3 for components and attachment.

The planks must be attached to framing using P22 clips and the fasteners described in Table 2 and Table 3.

For use in Types I, II, III, or IV construction on buildings greater than 40 feet above grade, evidence the water-resistive barrier complies with IBC Section 1402.6, Exception 2, or a report of testing in accordance with NFPA 285 and IBC Section 1402.6 for an assembly representative of the final construction, must be submitted to the building official.

6.0 CONDITIONS OF USE

6.1 Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

6.2 Wind design pressures determined from allowable stress design (ASD) in accordance with the applicable Code shall not exceed the allowable wind design pressures identified in Table 2.

6.3 Supporting construction must be designed in accordance with the Code.

6.4 Only those types of fasteners and fastening methods described in this report have been evaluated for the installation of Fastplank Systems. Other methods of attachment are outside the scope of this report.

6.5 Fastplank Systems are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

7.0 SUPPORTING EVIDENCE

7.1 Reports of tests demonstrating compliance with AAMA 1402-09, ASTM E330-14(2021), ASTM E331-2000(2016), ASTM E84-21a, ASTM E2768-2013(2017), ASTM B117, and ASTM E136-2022.

7.2 Intertek Listing Report "FastPlank - Aluminum Siding and Soffit Covering", on the Intertek Directory of Building Products.

8.0 IDENTIFICATION

The components of Fastplank Systems are identified with the manufacturer's name (Engage Building Products Inc.), the product name (P44V, P46V, or P47V), the Intertek Mark as shown below, the Intertek Control Number, and the Code Compliance Research Report number (CCRR-0480).

9.0 CALIFORNIA BUILDING CODE

The Fastplank Systems, described in Sections 2.0 through 7.0 of this Research Report, comply with the *California Building Code* and *California Residential Code*, for the editions indicated in Section 1.1 of this report.

The Fastplank Siding and Soffit Covering planks are ignition resistant materials complying with CWUIC 503.2.4.

10.0 CODE COMPLIANCE RESEARCH REPORT USE

10.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

10.2 Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

10.3 Reference to the https://bpdirectory.intertek.com is recommended to ascertain the current version and status of this report.

TABLE 1 – PROPERTIES EVALUATED

	PROPERTY	APPLICABLE CODE SECTIONS[1]				
		IBC	IRC	CBC	CRC	CWUIC
Sidings	Exterior Wall Performance Requirements	1402	R703.1	1402	R703.1	503.2
	Materials	1403.5.1	-	1403.5.1	-	-
	Weather Protection	1402.2 1404.2	R703.3	1402.2 1404.2	-	-
	Wind Load Resistance	1609	R703.1.2	1609	R703.1.2	-
	Non-Combustibility	703.3.1	-	703.3.1	-	-
Soffits	Soffit Requirements	1412	R704	1412	R704	503.2
	Wind Load Resistance	1609	R704.1	1609	R704.1	-

[1]Section numbers pertain to the most recent edition cited in Section 1.1 of this Report

TABLE 2 – WIND RESISTANCE
Fastplank Siding System Allowable Negative Design Pressure (psf)

Profile	Framing[5]	Clip Fastening	Clip Spacing	Minimum Sheathing[2]	Allowable Negative Design Pressure (ASD) (psf)[2,3]
P44V or P46V	Min. 2 x 4 SPF[1] #2 spaced 16 in. oc	#10 1-1/2 in. wood screws	32 in. oc staggered. See fastening pattern in Figure 4.	7/16 in. OSB	70
	Min. 18 GA 33ksi, 3-5/8 in. x 1-5/8 in. steel studs spaced 16 in. oc	#12 1-1/2 in. metal screws		1/2 in. Exterior Gypsum	69
P44V or P46V	Min. 2 x 6 SPF #2 spaced 16 in. oc	#10 1-1/2 in. wood screws	16 in. oc to studs.	5/8 Plywood	140

[1] Minimum Specific Gravity of 0.42
[2]Sheathing, if used, must comply with the Code
[3]Allowable Negative Design Pressure is based on the average ultimate load of the tested assemblies and a safety factor of 2
[4]Maximum unbraced wall height of 10 ft., wall deflection limit of L/180
[5]Allowable design pressures are based on testing submitted to Intertek. Other installation conditions must be justified to the satisfaction of the building official.

TABLE 3 – WIND RESISTANCE
Fastplank Soffit Covering System Allowable Negative Design Pressure (psf)

Profile	Framing[5]	Clip Fastening	Clip Spacing	Sheathing[2]	Allowable Negative Design Pressure (ASD) (psf)[3]
P44V P46V and P47V	Min. 2 x 6 SPF #2 spaced 24 in. oc	#10 1-1/2 in. wood screws	24 in. oc to studs	(optional)	90

[1] Minimum Specific Gravity of 0.42
[2]Sheathing, if used, must comply with the Code
[3]Allowable Negative Design Pressure is based on the average ultimate load of the tested assemblies and a safety factor of 2
[4]Maximum unbraced wall height of 10 ft., wall deflection limit of L/180
[5]Allowable design pressures are based on testing submitted to Intertek. Other installation conditions must be justified to the satisfaction of the building official.

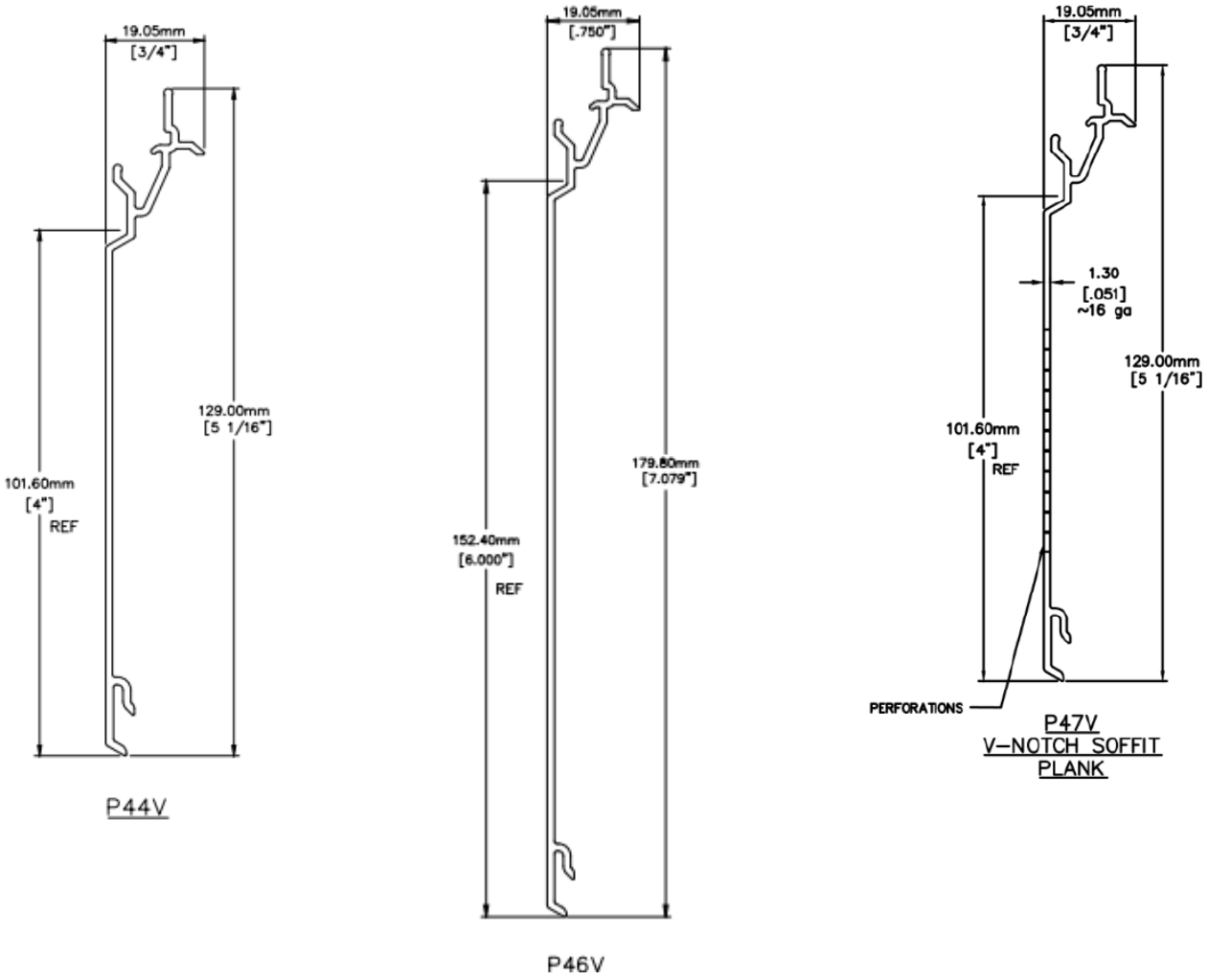
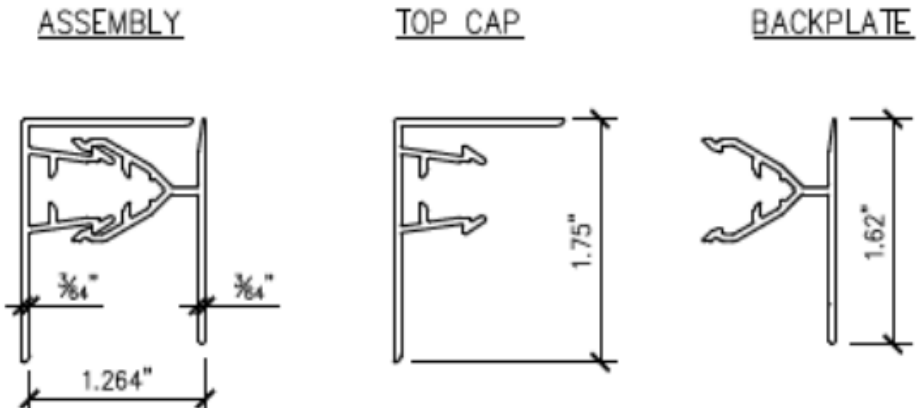


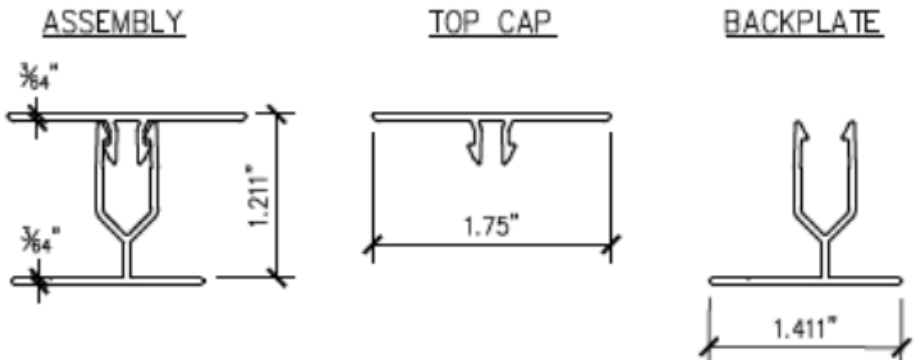
FIGURE 1 – PLANK DIMENSIONS

FIGURE 2 – FASTENING CLIPS

J-trim Clip



Vertical Trim



Perforated Starter Track

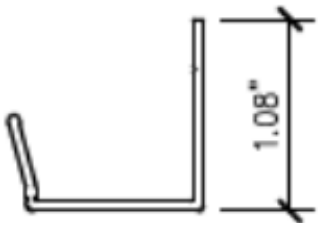


FIGURE 3 – TRIM AND ACCESSORIES

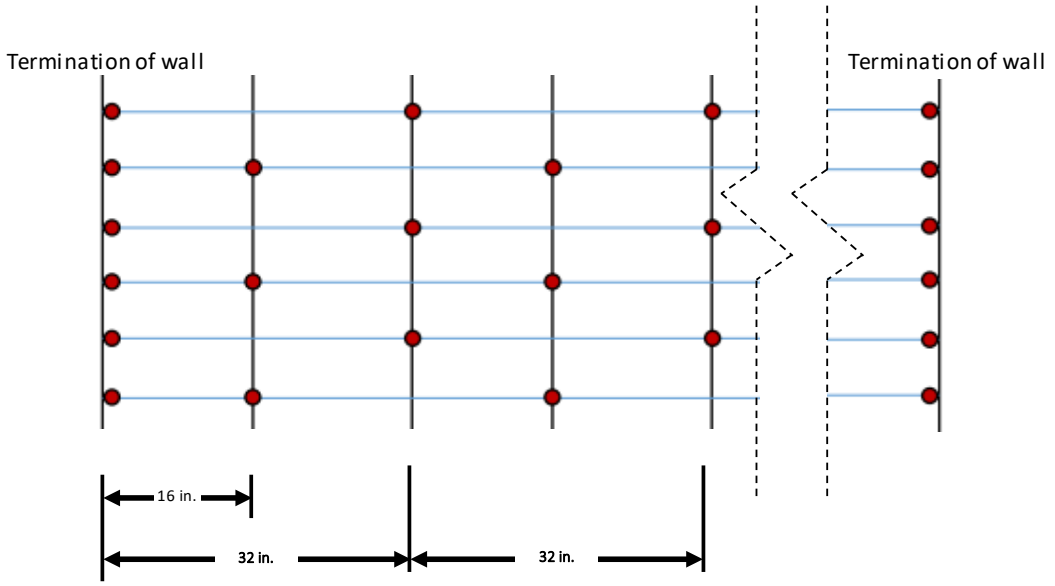


FIGURE 4 – STAGGERED CLIP INSTALLATION PATTERN

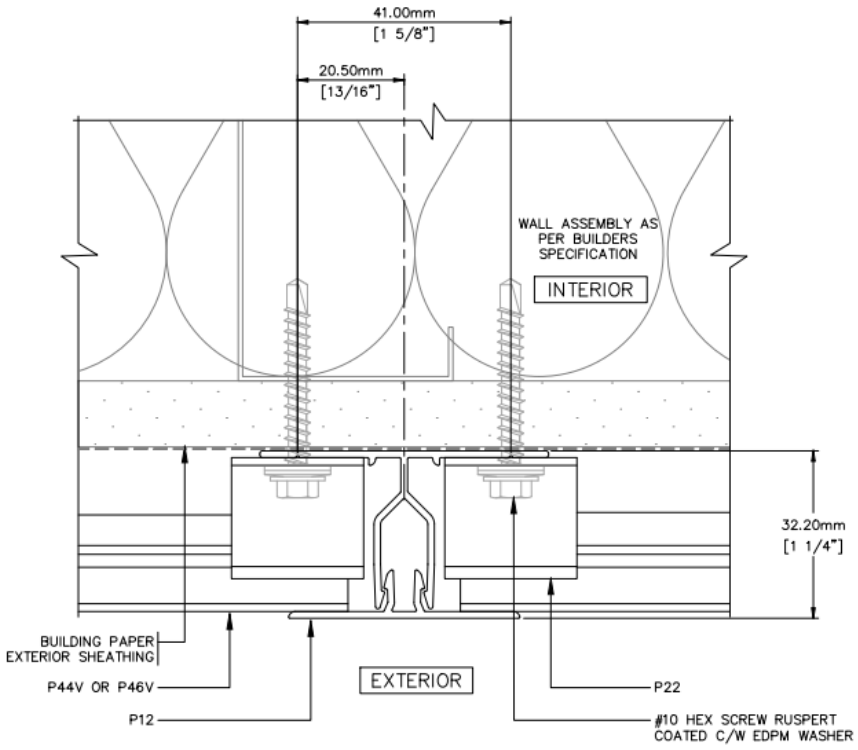


FIGURE 5 – TYPICAL INSTALLATION DETAIL