*Specifiers: Click on the ¶ icon in the WORD toolbar to reveal detailed instructions*

*(****Specifier Note****: The purpose of this guide specification is to assist the specifier in correctly specifying aluminum soffit and trim products and execution. The specifier needs to edit the guide specifications to fit the needs of specific projects. Contact a Ply Gem Product Representative to assist in appropriate product selections. Throughout the guide specification, there are Specifier Notes to assist in the editing of the file.*

References have been made within the text of the specification to MasterFormat Section numbers and titles, specifier needs to coordinate these numbers and titles with sections included for the specific project. Brackets [ ]; “AND/OR”; and “OR” have been used to indicate when a selection is required.

**SECTION 07 70 10**

**FABRICATED ALUMINUM SOFFITS AND TRIM**

Variform by Ply Gem

1. GENERAL
	* + 1. SECTION INCLUDES
				1. Aluminum [Soffits] [and[ [Trim]
				2. Accessories
			2. REFERENCES
				1. American Architectural Manufacturers Association (AAMA)

AAMA 1402: Standard Specifications for Aluminum Siding, Soffit and Fascia.

* + - 1. SUBMITTALS

*(****Specifier Note****: DELETE Submittal Procedures paragraph when not required. Coordinate requirements with Division 01, Section 01 33 00 – Submittal Procedures.)*

* + - * 1. Refer to Section [01 33 00 Submittal Procedures] [insert section number and title].
				2. Product Data: Submit manufacturer current technical literature for each type of product.
				3. Samples: Provide nominal 3 x 5 inch sample of each color indicated for aluminum siding and accessories.

*(****Specifier Note****: DELETE LEED submittal requirements when project is not pursuing LEED certification. Credits are for LEED for Homes version 2008. Recycled content products must contain a minimum of 25% postconsumer recycled content. Mastic Aluminum Siding, soffit, and accessories contain more than 25% postconsumer recycled content )*

* + - * 1. LEED Submittals:

Material and Resources (MR)

Product Certificates for Credit MR 2.2: For Environmentally Preferable Products having recycled content, documentation indicating percentages by weight of postconsumer and pre-consumer recycled content.

* + - * 1. NGBS Submittals:

Practice 601 – Quality of Construction Materials and Waste

Practice 601.7: Provide a list of building materials that do not require additional site applied finishes. Include manufacturer’s product literature showing type of finish applied to building materials.

Practice 604 – Recycled-Content Building Materials

Practice 604.1: Provide documentation indicating percentages, by weight, of recycled content.

*(****Specifier Note****: Verify location of Variform manufacturing facility when pursuing Practice 608.)*

Practice 608 – Indigenous Materials

Practice 608.1: Provide documentation indicating manufacturing location of indigenous materials that are extracted, processed, and manufactured within 500 miles of project site.

Practice 1001 – Building Owners’ Manual for One- and Two-Family Dwellings

Practice 1001.1(20): Provide documentation indicating how to maintenance and care for material.

* + - * 1. Quality Assurance Submittals

Manufacturer Instructions: Provide manufacturer’s written instructions including proper material storage, material handling, installation sequence, and attachment methods.

* + - 1. QUALITY ASSURANCE
				1. Manufacturer Qualifications: Manufacturer shall have a minimum of five (5) years experience in the production of aluminum siding.
			2. DELIVERY, STORAGE AND HANDLING

*(****Specifier Note****: DELETE Product Requirement paragraph when not required. Coordinate requirements with Division 01, Section 01 60 00 – Product Requirements.)*

* + - * 1. Refer to Section [01 60 00 Product Requirements] [insert section number and title].
				2. Deliver siding materials and components in manufacturer’s original, unopened, undamaged packaging with identification labels intact.
				3. Store siding materials on dry, level, firm, and clean surface.
			1. WARRANTY

*(****Specifier Note****: Limited warranty is transferable between property owners for properties owned by an individual.)*

*(****Specifier Note****: Warranty period for properties owned by an individual is “Lifetime”. For properties owned by a corporation, condominium co-operative, unincorporated association, school, church, government, or public entity warranty period is 50 years.)*

* + - * 1. Limited Warranty:

Manufacturing Defects: Standard form in which manufacturer agrees to repair or replace items that fail by blistering, checks, crazes, flakes, peels or weathers unevenly due to a defect in manufacturing within warranty period.

Warranty Period: [Lifetime] [50 years].

1. PRODUCTS
	* + 1. MANUFACTURER
				1. Variform by Ply Gem (800-788-1964) (www.variform.com); 2600 Grand Boulevard, Suite 900; Kansas City, Missouri 64108.

Product: Variform

*(****Specifier Note****: DELETE or COORDINATE Substitution Limitations paragraph if substitutions, are addressed in Division 01, Section 01 25 00 – Substitution Procedures.)*

* + - * 1. Substitutions:

[Not Permitted.]

*[OR]*

[Requests for substitutions will be considered in accordance with provisions of [Section 01 60 00 – Product Requirements] [insert section number and title].]

* + - 1. MATERIALS
				1. General: Formed and coated aluminum siding complying with AAMA 1402.
			2. ALUMINUM SOFFITS

*(****Specifier Note****: Aluminum Soffit paragraphs are organized by aluminum thickness, Design Professional should select the aluminum thickness best suited for project. Siding using a thicker aluminum material will be less likely to dent and bend. In addition, the appropriate soffit profile should be chosen based on project aesthetic requirements. Delete aluminum material thicknesses and soffit profiles that are not to be used on the Project.)*

* + - * 1. General: Formed and coated aluminum soffits complying with AAMA 1402; Nominal 0.019 inch material thickness.

Product Description:

Product Name:

Variform “Commercial” Soffits.

Standard Panels

Panel Size: 12 inch exposed width, [double 6] [triple 4] inch panels with [one] [two] intermediate rib(s).

*[OR]*

Panel Size: 16 inch exposed width, quad 4 inch panels with three intermediate ribs.

*(****Specifier Note****: Center Vented only available with triple 4 soffits.)*

*(****Specifier Note****: Ventilation capability: Full Vented, double 6 soffit panel; 11 square inches per square foot of soffit area. Full Vented, triple 4 panel; 13.2 square inches per square foot of soffit area. Center Vented, triple 4; 4.4 square inches per square foot of soffit area. Center Vented, quad 4; 11.9 square inches per square foot.)*

Soffit type: [Solid, no venting] [Center Vented] [Full Vented].

Texture: Smooth.

Finish: 2 coat acrylic.

Color: [As selected from manufacturer’s full color line] [Insert Color selection] [As indicated on Drawings].

* + - * 1. General: Formed and coated aluminum soffits complying with AAMA 1402; Nominal 0.016 inch material thickness.

Product Description:

Product Name:

Variform “Durabuilt” Soffit

Standard Panels

Panel Size: 12 inch exposed width, [double 6] [triple 4] inch panels with [one] [two] intermediate rib(s).

*(****Specifier Note****: Center Vent only available with Triple 4 soffits.)*

*(****Specifier Note****: Ventilation capability: Full Vented, double 6 soffit panel; 11 square inches per square foot of soffit area. Full Vented, triple 4 panel; 13.2 square inches per square foot of soffit area. Center Vented, triple 4; 4.4 square inches per square foot of soffit area.)*

Soffit type: [Solid, no venting] [Center Vented] [Full Vented].

Texture: Smooth.

Finish: 2 coat acrylic.

Color: [As selected from manufacturer’s full color line] [Insert Color selection] [As indicated on Drawings].

* + - 1. TRIM
				1. Fascia:

General: Formed and coated aluminum fasica complying with AAMA 1402; Nominal 0.024 inch material thickness. Formed metal “L” shaped fascia with 1 inch return.

Product Name:

Variform “Fascia”.

*(****Specifier Note****: Variform only offers “Woodgrain” and “Woodgrain, beaded” embossed Texture in a 6 inch fascia width.)*

Fascia Width: [4] [6] [8] [10] inches.

Texture: [Smooth, ribbed] Woodgrain] [Woodgrain, beaded ] embossed.

Finish: 2 coat acrylic

Color: [As selected from manufacturer’s full color line] [Insert Color selection] [As indicated on Drawings].

*(****Specifier Note****: Smooth texture is only available in 2 coat acrylic finish and Striated is only available in PVC Coated finish.)*

* + - * 1. Window and door trim: Coil stock for field forming window and door trim, configuration as indicated on drawings.

Material Thickness: Nominal 0.018 inches.

Coil Width: 24 inches.

Coil Length: 50 feet.

Texture: [Smooth] [Textured Satin].

Finish: [Acrylic coated] [PVC coated].

Color: White

*[OR]*

*(****Specifier Note****: Coil stock below offers the widest color selection.)*

* + - * 1. Window and door trim: Coil stock for field forming window and door trim, configuration as indicated on drawings.

Material Thickness: Nominal 0.019 inches.

Coil Width: 24 inches.

Coil Length: 50 feet.

Texture: [Smooth] [Striated].

Finish: [Acrylic coated] [PVC coated].

Color: [As selected from manufacturer’s full color line] [Insert Color selection] [As indicated on Drawings].

*[OR]*

* + - * 1. Window and door trim: Coil stock for field forming window and door trim, configuration as indicated on drawings.

Material Thickness: Nominal 0.019 inches.

Coil Width: 24 inches.

Coil Length: 50 feet.

Texture: Smooth.

Finish: Polyester coat.

Color: White.

*[OR]*

* + - * 1. Window and door trim: Coil stock for field forming window and door trim, configuration as indicated on drawings.

Material Thickness: Nominal 0.024 inches.

Coil Width: 24 inches.

Coil Length: 50 feet.

Texture: Smooth.

Finish: 2 coat acrylic.

Color: [White] [Brown] [Black].

*[OR]*

* + - * 1. Window and door trim: Coil stock for field forming window and door trim, configuration as indicated on drawings.

Material Thickness: Nominal 0.024 inches.

Coil Width: 24 inches.

Coil Length: 50 feet.

Texture: Striated.

Finish: PVC Coated.

Color: White.

* + - 1. ACCESSORIES
				1. Fasteners:

[Stainless steel] [Aluminum] fasteners, as recommended by manufacturer, of sufficient length to penetrate minimum 1 inch into substrate.

Size: As recommended by manufacturer.

* + - * 1. Aluminum Accessories:

General: Accessories includes, but is not limited to, drip edges, starter strips, “J” and “F” channels.

Texture: Smooth.

Color: Match Soffits.

* + - * 1. Flashing: Provide [aluminum] [stainless-steel] [Insert metal] flashing complying with Section [07 62 00 Sheet Metal Flashing and Trim] [insert section number and title] at window and door heads and where indicated.

Finish for Aluminum Flashing: [Same as aluminum soffits] [Siliconized polyester coating, same color as soffits] [Insert finish].

* + - * 1. Sealants: Mildew-Resistant Silicone Joint Sealant per panel manufacturer’s details, refer to Section [07 92 00 – Joint Sealants] [Insert section number and title].
1. EXECUTION
	* + 1. PREPARATION
				1. Verify that substrate is in place and ready for installation of aluminum soffits.

*(****Specifier Note****: COORDINATE with project requirements, DELETE if weather barrier is not required.)*

* + - * 1. Verify weather barrier installation is complete and ready for the installation of aluminum soffits.

*(****Specifier Note****: EDIT installation article deleting specific accessories and trim installation paragraphs not used on Project.)*

* + - 1. INSTALLATION
				1. General: Install siding per manufacturer’s written installation instructions.

Do not install damaged components.

Center nails in elongated nailing slots without binding siding to allow for thermal movement.

Install soffits and accessories according to AAMA 1402.

* + - * 1. Install fasteners at no more than [24 inches] [insert spacing] on center.
				2. Stagger panel joints uniform pattern as installation progresses.
				3. Apply joint sealants at joints per manufacturer’s installation instructions and to meet the requirements of Section [07 92 00 – Joint Sealants] [Insert section number and title].
			1. CLEANING AND PROTECTION
				1. Remove damaged, defective or improperly installed materials. Replace with new materials installed per requirements of this section.
				2. Clean finished surfaces according to manufacturer’s written instructions; maintain clean condition until Final Completion.

END OF SECTION