SECTION 07 46 33

VINYL SIDING

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\*\* NOTE TO SPECIFIER \*\* Mastic by Ply Gem; solid vinyl siding and soffit products.
This section is based on the products of Mastic by Ply Gem, which is located at:
2600 Grand Blvd. Suite 900
Kansas City, MO 64108
Toll Free Tel: 888-975-9436
Fax: 866-656-1900
Email: [request info (Mark.Schaefer@cornerstone-bb.com )](https://admin.arcat.com/users.pl?action=UserEmail&company=Mastic+by+Ply+Gem&coid=30261&rep=&fax=866-656-1900&message=RE:%20Spec%20Question%20(07464alc):%20%20&mf=)
Web: <https://www.plygem.com/wps/portal/home/brands/mastic>
 [ [Click Here](https://www.arcat.com/arcatcos/cos30/arc30261.html) ] for additional information.
Cornerstone Building Brands is the largest manufacturer of exterior building products for residential and low-rise non-residential buildings in North America. Headquartered in Cary, North Carolina, the organization serves residential and commercial customers across new construction and repair and remodel markets. As the No.1 manufacturer of vinyl windows (Ply Gem, Silver Line, Simonton, Atrium, American Craftsman, Great Lakes), vinyl siding (Mastic, Variform, Ply Gem Performance Collection), stone (Canyon Stone, Environmental Stoneworks and Ply Gem Stone) insulated metal panels (CENTRIA and Metl-Span), metal roofing (MBCI, American Building Components, Metl-Span, Metal Depots), metal wall systems (Star Building Systems, Ceco Building Systems, Metallic Building Systems, A&S Building Systems, Mesco Building Systems, Heritage Building Systems, Robertson Building Systems), and metal accessories (Metl-span, Centria, MBCI, American Building Components, Metal Depots), Cornerstone Building Brands combines a comprehensive portfolio of products with an expansive national footprint that includes approximately 20,500 employees at manufacturing, distribution and office locations throughout North America.

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Solid vinyl siding.
		2. Solid vinyl soffit.
		3. Vented vinyl soffit.
		4. Vinyl trim.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 06 10 00 - Rough Carpentry.
		2. Section 07 27 19 - Plastic Sheet Air Barriers .
		3. Section 07 90 00 - Joint Protection.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. ASTM D 256 - Standard Test Method for Determining the Pendulum Impact Resistance of Notched Specimens of Plastics.
		2. ASTM D 635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position.
		3. ASTM D 638 - Standard Test Method for Tensile Properties of Plastics.
		4. ASTM D 648 - Standard Test Method for Deflection Temperature of Plastics Under Flexural Load.
		5. ASTM D 696 - Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30 Degrees C. and 30 Degrees C.
		6. ASTM D 1784 - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.
		7. ASTM D 2843 - Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics.
		8. ASTM D 3679 - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding.
		9. ASTM D 4477 - Standard Specification for Rigid Unplasticized Poly(Vinyl Chloride) (PVC) Soffit.
		10. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
		11. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials; 2000.
		12. UBC STD 26-9 - Method of Test for the Evaluation of Flammability Characteristics of Exterior, Nonload-Bearing Wall Assemblies Containing Combustible Components Using the Intermediate-Scale, Multistory Test Apparatus; 1997.
	1. DESIGN / PERFORMANCE REQUIREMENTS
		1. Regulatory Requirements: Code compliance in accordance with the following:
			1. Metropolitan Dade County, Florida.
			2. ICC Evaluation Service.
			3. State of Florida.
	2. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Preparation instructions and recommendations.
			2. Storage and handling requirements and recommendations.
			3. Installation methods.
			4. Maintenance and care requirements.

\*\* NOTE TO SPECIFIER \*\* Delete the following paragraphs if LEED is not applicable.

* + 1. LEED Submittals: Provide documentation of how the requirements of Credit will be met:
			1. List of proposed materials with recycled content. Indicate post-consumer recycled content and pre-consumer recycled content for each product having recycled content.
			2. Product data and certification letter indicating percentages by weight of post-consumer and pre-consumer recycled content for products having recycled content.
		2. NAHB National Green Building Standard Submittals: Provide documentation of how the Credit will be met:
			1. Green Approved Product certificate from the NAHB Research Center's website; http://greenapprovedproducts.com.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
		2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
		3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
	1. QUALITY ASSURANCE
		1. Installer Qualifications: Provide installer with not less than three years of experience with products specified.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
			1. Finish areas designated by Architect.
			2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
			3. Refinish mock-up area as required to produce acceptable work.
			4. Accepted mock-ups shall be comparison standard for remaining work.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Store products in manufacturer's unopened packaging until ready for installation.
		2. Store on a flat surface under cover, stacked no more than 12 boxes high. Do not store in location where temperatures may exceed 130 degrees F.
	2. PROJECT CONDITIONS
		1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
	3. WARRANTY

\*\* NOTE TO SPECIFIER \*\* Mastic backs its vinyl siding and soffit with a Registered Medaillion Lifetime Limited Warranty. Consult actual product warranty certificates for complete coverage details.

* + 1. Provide manufacturer's standard limited lifetime warranty.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Mastic by Ply Gem, which is located at: 2600 Grand Blvd. Suite 900; Kansas City, MO 64108 ; Toll Free Tel: 888-975-9436; Fax: 866-656-1900; Email: [request info (Mark.Schaefer@cornerstone-bb.com )](https://admin.arcat.com/users.pl?action=UserEmail&company=Mastic+by+Ply+Gem&coid=30261&rep=&fax=866-656-1900&message=RE:%20Spec%20Question%20(07464alc):%20%20&mf=); Web: <https://www.plygem.com/wps/portal/home/brands/mastic>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
	1. MATERIALS
		1. Siding and Soffit - General Requirements: Polyvinyl chloride products with the following characteristics:
			1. Siding: Comply with ASTM D 3679, Class 2.
			2. PVC cell classification in accordance with ASTM D 1784: 13334.
			3. Coefficient of linear expansion in accordance with ASTM D 696: 0.000029 inch per inch per degree F.
			4. Tensile strength when tested in accordance with ASTM D 638: Minimum 7,100 pounds per square inch.
			5. Modulus of elasticity when tested in accordance with ASTM D 638: Minimum 360,000 pounds per square inch, average.
			6. Izod impact, standard 1/8 inch bar when tested in accordance with ASTM D 256: 3.30 foot-pounds per inch, average.
			7. Shore D Hardness: Minimum 73.
			8. Specific Gravity: Minimum 1.39.
			9. Deflection temperature when tested in accordance with ASTM D 648: 170 degrees F, 264 pounds per square inch.
			10. Smoke density rating when tested in accordance with ASTM D 2843: 48 percent, average.
			11. Horizontal flammability, when tested in accordance with ASTM D 635:
				1. Burn distance: 20 mm.
				2. Burn time: Less than 5 seconds.
			12. Surface burning characteristics when tested in accordance with ASTM E 84: Flame spread less than 20, fuel contribution 0, smoke density 400.
			13. Fire Resistance - Siding: 1 hour, when tested in accordance with ASTM E 119, with siding applied over gypsum sheathing.
			14. Flammability - Siding: Comply with requirements of UBC Std 26-9.

\*\* NOTE TO SPECIFIER \*\* Include the following for Structure Insulation System Foam Backed Siding only.

* + - 1. Structure Insulation System, foamed backed siding with EPS foam backing has a Permeability Rating of 5.
		1. Fasteners: Aluminum nails, alloy 5056 or 6110, having minimum tensile strength 63,000 pounds per square inch.
		2. Vapor Retarder: Specified in Section 07 27 19 - Plastic Sheet Air Barriers .
		3. Joint Sealers: Specified in Section 07 90 00 - Joint Protection.

\*\* NOTE TO SPECIFIER \*\* Select the siding and trim required from the following paragraphs. Retain only siding type or types required for project and delete those not required. Use Type designation if more than one type siding is required for project; coordinate Type designation with Drawings.

* 1. VINYL SIDING AND TRIM
		1. Vinyl Siding Type \_\_\_: Structure Home Insulation System; Foamed Backed Siding.

\*\* NOTE TO SPECIFIER \*\* Select profile(s) required from the following paragraphs and delete those not required. If more than one profile required, copy paragraph and identify each profile by Type and indicate Types on Drawings.

* + - 1. Product Description: Double 6 profile, R Value 3.0, 12 inches exposure; nominal 0.046 inch material thickness (Vinyl); 12 foot 6 inch or 16 feet 8 inch piece length.
			2. Product Description: Single 7 profile, R Value 2.7, 7 inches exposure; nominal 0.046 inch material thickness (Vinyl); 12 foot 3 inch or 16 feet 8 inch piece length.
			3. Product Description: Double 4 profile, R Value 2.5, 8 inches exposure; nominal 0.046 inch material thickness (Vinyl); 12 foot 6 inch piece length.
			4. Product Description: Double 4-1/2 Dutch Lap profile, R Value 2.9, 9 inches exposure; nominal 0.046 inch material thickness (Vinyl); 12 foot 1 inch or 16 feet 8 inch piece length.
			5. Nailing Hem: Enhanced 1-3/8 inch wide nail hem with 1-1/4 inch elongated nail slots on 1-5/8 inch centers.
			6. Finish: Cedar woodgrain texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Light Colors Almond, Cameo, Classic Cream, Desert Sand, Linen, Sage, Sandstone, Silver Gray, Victorian Gray, Wicker; Classic Colors Corn Silk, Everest, Harbor Gray, Pebblestone Gray and Scottish Thistle and; Deep Colors Autumn Harvest, Deep Granite, English Wedgewood, Misty Shadow, Montana Suede, Quite Willow, Rugged Canyon Russet Red and Vineyard Grove.

* + - 1. Single 7, Double 4-1/2 Dutch Lap and Double 4 are not available in Light Color Corn Silk, Deep Colors Autumn Harvest, Deep Granite, Misty Shadow, Russet Red, and Vineland Grove. Double 4-1/2 Dutch Lap is also available in Deep Colors English Wedgewood, Montana Suede, Quiet Willow and Rugged Canyon. Double 4 is also not available in Deep Colors.
			2. Color: As selected from manufacturer's full range of available colors.
			3. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Siding Type \_\_\_: Cedar Discovery Shingle Siding.

\*\* NOTE TO SPECIFIER \*\* Select profile(s) required from the following paragraphs and delete those not required. If more than one profile required, copy paragraph and identify each profile by Type and indicate Types on Drawings.

* + - 1. Product Description: Double 7 profile, 14 inches exposure; nominal 0.080 inch material thickness; 67-1/2 inch lengths.
			2. Product Description: Triple 5 profile, 15 inches exposure; nominal 0.090 inch material thickness; 69-1/2 inch lengths.
			3. Product Description: Double Round 6-1/4 profile, 12-1/2 inches exposure; nominal 0.080 inch material thickness; 51-1/2 inch lengths.
			4. Product Description: Hand Split Shake Shingle Siding Double 9-3/8 profile, 18-3/4 inches exposure; nominal 0.080 inch material thickness; 67-3/4 inch lengths.
			5. Finish: Cedar woodgrain texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Almond, Autumn Harvest, Brandy Wood, Cameo, Classic Cream, Colonial Yellow, Corn Silk, Deep Granite, Desert Sand, English Wedgewood, Everest, Harbor Grey, Lakeshore Fern, Linen, Mahogany, Misty Shadow, Montana Suede, Newport Bay, Natural Slate, Pebblestone Clay, Portsmouth Blue, Quiet Willow, Red Brick, Rugged Canyon, Russet Red, Sage, Sandtone, Scottish Thistle, Silver Grey, Tuscan Olive, Victorian Grey, Vineyard Grove, Wicker and Cedar Colors Cape Gray, Cedar, Red Cedar, Timber, and Walnut . Single 7 and Triple 5 is not available in Cedar Colors Walnut and Timber. Half Round is not available in Brandywood, Corn Silk, Portsmith Blue, Misty Shadow, Newport Bay, Natural Slate, red Brick, Vineyard Grove and Cedar Colors.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Siding Type \_\_\_: Quest Siding.

\*\* NOTE TO SPECIFIER \*\* Select profile(s) required from the following paragraphs and delete those not required. If more than one profile required, copy paragraph and identify each profile by Type and indicate Types on Drawings.

* + - 1. Product Description: Double 4 profile, 8 inches exposure; nominal 0.046 inch material thickness; 12 feet 6 inch piece, 16 feet 8 inch piece or 25 feet 6 inch piece lengths.
			2. Product Description: Double 5 profile, 10 inches exposure; nominal 0.046 inch material thickness; 12 foot piece length.
			3. Product Description: Double 4-1/2 Dutch Lap profile, 9 inches exposure; nominal 0.046 inch material thickness; 12 feet 1 inch piece, 16 feet 8 inch piece or 25 feet 6 inch piece lengths.
			4. Nailing Hem: Double layer, reinforced nail hem with elongated nailing holes 1 inch or 1-1/4 inches long at 1-5/8 inches on center.
			5. Finish: Cedar woodgrain texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Quest Double 4 and Double 4-1/2 available in White, Almond, Cameo, Classic Cream, Colonial Yellow, Desert Sand, Linen, Sage, Sandtone, Silver Grey, Tuscan Olive, Victorian Grey, Wicker; Classic Colors Corn Silk, Everest, Harbor Grey, Pebblestone Clay, Scottish Thistle; Deep Colors Autumn Harvest, Deep Granite, English Wedgewood, Lakeshore Fern, Misty Shadow, Montana Suede, Portsmouth Blue, Quiet Willow, Rugged Canyon, Russet Red, Vineyard Grove; and Cedar Colors, American Walnut, Cape Cod Grey, Glacier Blue, Natural Cedar, Timberstone, and Woodland Green. Quest Double 5 is not available in Colonial Yellow; Deep Colors Deep Granite, English Wedgewood, Quiet Willow, and Rugged Canyon. Quest Double 4 and Quest Double 4-1/2 Long Length and Super Long Length is not available in Colonial Yellow; Deep Colors Lakeshore Fern, and Portsmouth Blue.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Siding Type \_\_\_: Carvedwood 44 Siding.

\*\* NOTE TO SPECIFIER \*\* Select profile(s) required from the following paragraphs and delete those not required. If more than one profile required, copy paragraph and identify each profile by Type and indicate Types on Drawings.

* + - 1. Product Description: Double 4 profile, 8 inches exposure; nominal 0.044 inch material thickness; nominal 12 feet 6 inch piece length; smooth finish.
			2. Product Description: Double 4 profile, 8 inches exposure; nominal 0.044 inch material thickness; nominal 12 feet 6 inch piece length; woodgrain finish.
			3. Product Description: Double 4-1/2 Dutch Lap profile, 9 inches exposure; nominal 0.044 inch material thickness; nominal 12 feet 1 inch piece length; woodgrain finish.
			4. Product Description: Double 5 profile, 10 inches exposure; nominal 0.044 inch material thickness; nominal 12 feet piece length; woodgrain finish.
			5. Product Description: Triple 3 profile, 9 inches exposure; nominal 0.044 inch material thickness; nominal 12 feet 1 inch piece length; smooth finish.
			6. Nailing Hem: Rolled, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			7. Product Description: Single 8-inch profile, 8 inches exposure; nominal 0.048 inch material thickness; nominal 12 feet 6 inches piece length; smooth finish.
			8. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available are White, Almond, Cameo, Classic Cream, Colonial Yellow, Desert Sand, Linen, Sage, Sandtone, Silver Grey, Tuscan Olive, Victorian Grey, Wicker, Classic Colors Corn Silk, Everest, Harbor Grey, Pebblestone Clay, Scottish Thistle; Deep Colors Autumn Harvest, Deep Granite, English Wedgewood, Misty Shadow, Montana Suede, Quiet Willow, Rugged Canyon, Russet Red. Double 5 is not available in Deep Colors Autumn Harvest, Misty Shadow, Montana Suede, Rugged Canyon. Triple 3 is not available in Deep Colors Misty Shadow, Russet Red. Double 4 is not available in Classic Colors Corn Silk; and all Deep Colors. Single 8 is only available in White.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Siding Type \_\_\_: T-lok Barkwood Siding.

\*\* NOTE TO SPECIFIER \*\* Select profile(s) required from the following paragraphs and delete those not required. If more than one profile required, copy paragraph and identify each profile by Type and indicate Types on Drawings.

* + - 1. Product Description: Double 4 profile, 8 inches exposure; nominal 0.048 inch material thickness; nominal 12 feet 6 inch piece length.
			2. Product Description: Double 5 profile, 10 inches exposure; nominal 0.048 inch material thickness; nominal 12 feet piece length.
			3. Product Description: Double 5 Dutch Lap profile, 10 inches exposure; nominal 0.048 inch material thickness; nominal 12 feet piece length.
			4. Product Description: Triple 2-2/3 inches profile, 9 inches exposure, nominal 0.048 inch material thickness; nominal 12 feet 6 inch piece length.

\*\* NOTE TO SPECIFIER \*\* The following profile is available only in white.

* + - 1. Product Description: 8-inch profile, 8 inches exposure; nominal 0.048 inch material thickness; nominal 12 feet 6 inch piece length.
			2. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			3. Finish: Woodgrain texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Almond, Cameo, Classic Cream, Colonial Yellow, Desert Sand, Linen, Sage, Sandtone, Silver Grey, Victorian Grey, Wicker; Classic Colors Everest, Harbor Grey, Pebblestone Clay, Scottish Thistle. Single 8 is only available in White.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Siding Type \_\_\_: Liberty Elite Siding.

\*\* NOTE TO SPECIFIER \*\* Select profile(s) required from the following paragraphs and delete those not required. If more than one profile required, copy paragraph and identify each profile by Type and indicate Types on Drawings.

* + - 1. Product Description: Double 4 profile, 8 inches exposure; nominal 0.048 inch material thickness; nominal 12 feet 6 inch piece length.
			2. Product Description: Double 5 profile, 10 inches exposure; nominal 0.048 inch material thickness; nominal 12 feet piece length.
			3. Product Description: Double 5 Dutch Lap profile, 10 inches exposure; nominal 0.048 inch material thickness; nominal 12 feet piece length.
			4. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			5. Finish: Woodgrain texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Almond, Cameo, Classic Cream, Desert Sand, Linen, Sage, Sandtone, Silver Grey, Victorian Gray; Classic Colors Everest, Pebblestone Clay, Scottish Thistle.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Siding Type \_\_\_: Charleston Beaded Collection Siding.
			1. Product Description: 6-1/2 inch Beaded profile (brushed/contemporary bead), 6-1/2 inches exposure; nominal 0.044 inch material thickness; nominal 12 feet 4 inch piece length.
			2. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			3. Finish: Cedar woodgrain texture or low-gloss brushed texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Almond, Cameo, Classic Cream, Desert Sand, Linen, Sage, Sandtone, Silver Grey, Victorian Gray; Classic Colors Everest, Pebblestone Clay, Scottish Thistle.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Siding Type \_\_\_: Board plus Batten Designer Series Siding.

\*\* NOTE TO SPECIFIER \*\* Select profile(s) required from the following paragraphs and delete those not required. If more than one profile required, copy paragraph and identify each profile by Type and indicate Types on Drawings.

* + - 1. Product Description: Single 5-1/2 inch Board with 1-1/2 inch Batten profile, 8 inches exposure; nominal 0.048 inch material thickness; nominal 10 feet piece length.
			2. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			3. Finish: Woodgrain texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Almond, Classic Cream, Desert Sand, Sandtone, Tuscan Olive, Victorian Grey; Classic Colors Corn Silk, Everest, Harbor Gray, Pebblestone Clay, Scottish Thistle; Deep Colors Autumn Harvest, Deep Granite, English Wedgewood, Lakeshore Firn, Misty Shadow, Montana Suede, Quiet Willow, Rugged Canyon, Russet Red.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Siding Type \_\_\_: Ovation Siding.

\*\* NOTE TO SPECIFIER \*\* Select profile(s) required from the following paragraphs and delete those not required. If more than one profile required, copy paragraph and identify each profile by Type and indicate Types on Drawings.

* + - 1. Product Description: Double 4 profile, 8 inches exposure; nominal 0.042 inch material thickness; nominal 12 feet 6 inch piece length. Cedar Woodgrain texture.
			2. Product Description: Double 4.5 Dutch Lap profile, 9 inches exposure; nominal 0.042 inch material thickness; nominal 12 feet 1 inch piece length. Cedar Woodgrain texture.
			3. Product Description: Double 5 profile, 10 inches exposure; nominal 0.042 inch material thickness; nominal 12 feet piece length. Cedar Woodgrain texture.
			4. Product Description: Triple 3 profile, 9 inches exposure; nominal 0.042 inch material thickness; nominal 12 feet 1 inch piece length. Smooth finish.
			5. Product Description: 6-1/2 inch Beaded profile (brushed/traditional bead), 6-1/2 inches exposure; nominal 0.042 inch material thickness; nominal 12 feet 4 inch piece length. Cedar Woodgrain texture.
			6. Nailing Hem: Rolled, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Almond, Cameo, Classic Cream, Desert Sand, Linen, Sage, Sandtone, Silver Grey, Tuscan Olive, Victorian Grey, Wicker; Classic Colors Corn Silk, Everest, Harbor Grey, Pebblestone Clay, Scottish Thistle; Deep Colors English Wedgewood, Deep Granite, Quiet Willow, and Rugged Canyon; Solar Defense Brandywood, Mahogany, Natural Slate, Newport Bay, Brick Red. Double 5 is not available in Solar Defense colors. Triple 3 inch and 6-1/2 inch Beaded is not available in English Wedgewood, Deep Granite, Quiet Willow, Rugged Canyon and Solar Defense colors.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Siding Type \_\_\_: Mill Creek Siding.

\*\* NOTE TO SPECIFIER \*\* Select profile(s) required from the following paragraphs and delete those not required. If more than one profile required, copy paragraph and identify each profile by Type and indicate Types on Drawings.

* + - 1. Product Description: Double 4 profile, 8 inches exposure; nominal 0.040 inch material thickness; nominal 12 feet 6 inch piece length.
			2. Product Description: Double 4 Dutch Lap profile, 8 inches exposure; nominal 0.040 inch material thickness; nominal 12 feet 6 inch piece length.
			3. Product Description: Double 4-1/2 Dutch Lap profile, 9 inches exposure; nominal 0.040 inch material thickness; nominal 12 feet 1 inch piece length.
			4. Product Description: Double 5 profile, 10 inches exposure; nominal 0.040 inch material thickness; nominal 12 feet piece length.
			5. Product Description: Double 5 Dutch Lap profile, 10 inches exposure; nominal 0.040 inch material thickness; nominal 12 feet piece length.
			6. Product Description: Triple 3 profile, 9 inches exposure; nominal 0.040 inch material thickness; nominal 12 feet 1 inch piece length.
			7. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			8. Finish: Cedar woodgrain texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Almond, Cameo, Classic Cream, Desert Sand, Sandtone, Silver Grey, Tuscan Olive, Victorian Grey, Wicker; Classic Colors Everest, Pebblestone Clay, and Scottish Thistle.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Siding Type \_\_\_: Eclipse Siding.

\*\* NOTE TO SPECIFIER \*\* Select profile(s) required from the following paragraphs and delete those not required. If more than one profile required, copy paragraph and identify each profile by Type and indicate Types on Drawings.

* + - 1. Product Description: Double 4 profile, 8 inches exposure; nominal 0.040 inch material thickness; nominal 12 feet 6 inch piece length.
			2. Product Description: Double 4-1/2 Dutch Lap profile, 9 inches exposure; nominal 0.040 inch material thickness; nominal 12 feet 1 inch piece length.
			3. Product Description: 5 profile, 10 inches exposure; nominal 0.040 inch material thickness; nominal 12 feet piece length.
			4. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			5. Finish: Woodgrain texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Almond, Cameo, Classic Cream, Desert Sand, Sandtone, Tuscan Olive, Victorian Grey, Wicker, Everest, and Pebblestone Clay.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Select one of the following trim paragraphs as required for the products specified and delete the ones not required.

* + 1. Vinyl Trim:

\*\* NOTE TO SPECIFIER \*\* Select trim profile(s) required from the following paragraphs and delete those not required.

* + - 1. Universal Outside Corner Post: 4 inches by 4 inches post, 3/4 inch wide siding recess; \_\_\_\_\_\_\_\_ color.
			2. Traditional Outside Corner Post with Foam Inserts: 5-1/2 inches by 5-1/2 inches post, 3/4 inch wide siding recess; \_\_\_\_\_\_\_\_ color.
			3. Fluted Outside Corner Post with Foam Inserts: 5-1/2 inches by 5-1/2 inches post, 3/4 inch wide siding recess; \_\_\_\_\_\_\_\_ color.
			4. Standard Inside Corner Post: 2 inches by 2 inches covered projection, 3/4 inch wide siding recess; \_\_\_\_\_\_\_\_ color.
			5. J-Trim: Channel, 1-3/4 inches nailing leg, 3/4 inch forward leg, 5/8 inch channel width; \_\_\_\_\_\_\_\_ color.
			6. J-Trim: Channel, 1-3/4 inches nailing leg, 3/4 inch forward leg, 7/8 inch channel width; \_\_\_\_\_\_\_\_ color.
			7. J-Trim: Channel, 1-3/4 inches nailing leg, 3/4 inch forward leg, 1-1/4 inch channel width; \_\_\_\_\_\_\_\_ color.
			8. Finishing Trim: 1-1/2 inches nailing leg, 3/4 inch forward leg; \_\_\_\_\_\_\_\_ color.
			9. Double Finish Trim: 1-1/2 inches nailing leg, 3/4 inch forward leg, double channel 7/8 inch total width; \_\_\_\_\_\_\_\_ color.
			10. Wide Window Casing: 3-1/2 inches nailing leg, 2-1/2 inch forward leg with 7/8 inch return; white color.
			11. Wide Window Casing: 3-1/2 inches nailing leg, 2-1/2 inch forward leg with 1-1/4 inch return; white color.
			12. Wide Window Casing: 3-1/2 inches nailing leg, 2-1/2 inch forward leg with 3/4 inch return; white, cameo, pebblestone clay, desert sand, and victorian grey color.
			13. Starter Strip: Single-row nailing hem with elongated nailing holes 1-1/4 inches long 1-5/8 inches on center, 1/4 inch base projection; white color.
			14. Starter Strip: Single-row nailing hem with elongated nailing holes 1-1/4 inches long 1-5/8 inches on center, 1-1/4 inch base projection; white color.
		1. Cedar Discovery Siding Trim:

\*\* NOTE TO SPECIFIER \*\* Select trim profile(s) required from the following paragraphs and delete those not required. Corner posts and Cedar Finish Trim is available to match siding, most is available in White, Cameo, Desert Sand, Whicker and Pebblestone Clay. Verify colors required with manufacturer and insert below.

* + - 1. Perfection Corner Post: Double 7 inch siding, 3-1/2 inches wide by 1 inches thick; \_\_\_\_\_\_\_\_ color.
			2. Perfection Corner Post: Triple 5 inch siding, 3-1/2 inches wide by 1 inches thick; \_\_\_\_\_\_\_\_ color.
			3. Hand Split Shake Corner Post: Double 7 inch siding, 3-1/2 inches wide by 1 inches thick; \_\_\_\_\_\_\_\_ color.
			4. Cedar Finish Trim: Exposed leg 3/4 inch, 3/8 inch thick and 1-1/2 inches high with nailing strip; \_\_\_\_\_\_\_\_ color.
			5. Starter Strip Aluminum: 2-1/2 inches high with nailing leg.
			6. Starter Strip Galvanized Steel: 3-1/2 inches high with nailing leg.
			7. Snap-In Crown: 3-1/32 inches high, and 1 inch deep; \_\_\_\_\_\_\_\_ color.
			8. Snap-In Crown Mount with J-Channel: 1-1/32 inches wide, with 15/16 inch forward leg; \_\_\_\_\_\_\_\_ color.
		1. Structure Home Insulation System Siding Trim:

\*\* NOTE TO SPECIFIER \*\* Select trim profile(s) required from the following paragraphs and delete those not required. Some trim is available to match siding, most is available in White, Cameo, Desert Sand, Whicker and Pebblestone Clay. Verify colors required with manufacturer and insert below.

* + - 1. Corner Lineal with EPS Foam: 5 inches wide by 1-13/16 inches thick, with 2 inch nailing leg; \_\_\_\_\_\_\_\_ color.
			2. Window and Door Casing Lineal with EPS Foam: 3-1/2 inches wide by 1-13/16 inches thick, with 2 inch nailing leg; \_\_\_\_\_\_\_\_ color.
			3. Corner Starter and Lineal: 1-1/2 inches wide, with 1-9/16 inch nailing leg; \_\_\_\_\_\_\_\_ color.
			4. Snap-In Crown Mount with J-Channel: 1-6/16 inches wide, with 3/4 inch forward leg; \_\_\_\_\_\_\_\_ color.
			5. Snap-In Crown: 3-1/32 inches high, and 1 inch deep; \_\_\_\_\_\_\_\_ color.
			6. Inside Corner Post: 1-1/4 inches by 1-1/4 inches covered projection; \_\_\_\_\_\_\_\_ color.
			7. Outside Corner Post: 4 inches by 4 inches post, 1-1/4 inch wide siding recess; \_\_\_\_\_\_\_\_ color.
			8. Starter Strip: Single-row nailing hem with elongated nailing holes, 1/2 inch base projection; white color.
			9. All Purpose J-Channel: 2 inches nailing leg, 1 inch forward leg, 1-1/4 inch channel width; \_\_\_\_\_\_\_\_ color.
			10. Window Casing Trim: 3-1/2 inches nailing leg, 2-1/2 inch forward leg, 1-1/4 inch channel width; white color.
			11. J-Channel Aluminum: 1-3/4 inches nailing leg, 1 inch forward leg, 1-1/4 inch channel width; \_\_\_\_\_\_\_\_ color.
			12. Flexible J-Channel Aluminum: 1-3/4 inches nailing leg, 1 inch forward leg, 1-1/4 inch channel width; white color.

\*\* NOTE TO SPECIFIER \*\* Select the soffit and trim required from the following paragraphs. Retain only soffit type or types required for project and delete all those not required. Use Type designation if more than one type soffit is required for project; coordinate Type designation with Drawings.

* 1. VINYL SOFFIT AND TRIM
		1. Vinyl Soffit Type \_\_\_: Ventura Hidden Vent Soffit.

\*\* NOTE TO SPECIFIER \*\* Select product(s) required from the following paragraphs and delete those not required.

* + - 1. Product Description: Vented Triple 3-1/3 V-groove profile, 10 inches exposure, 5/8 inch depth; nominal 0.044 inch material thickness; nominal 12 feet piece length.
			2. Product Description: Non-vented Triple 3-1/3 V-groove profile, 10 inches exposure, 5/8 inch depth; nominal 0.044 inch material thickness; nominal 12 feet piece length.
			3. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			4. Finish: Low-gloss brushed texture.
			5. Ventilation - Supply ventilation type soffit material having .156 by .750 openings with 9.19 square inches free air space per square foot of soffit area.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Almond, Brookstone, Cameo, Champaigne, Classic Cream, Desert Sand, Everest, Linen, Musket Brown, Pebblestone Clay, Sage, Sandtone, Silver Grey, and Victorian Grey. All colors except Musket Brown are warranted for sidewall use.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. Vinyl Soffit Type \_\_\_: Pro-Select Soffit.
			1. Product Description: Double 5 V-groove profile, 10 inches exposure, 5/8 inch depth; nominal 0.046 inch material thickness; nominal 12 feet piece length.
			2. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			3. Finish: Low-gloss brushed texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Cameo, Chestnut Brown, Classic Cream, Colonial Yellow, Desert Sand, Everest, Harbor Grey, Musket Brown, Pebblestone Clay, Pine Needle, Redwood, Sandtone, Sawmill, Silver Cedar, Silver Grey, Spruce Blue, Victorian Grey, Village Green, Weathered Ash, and Wicker. All colors except Musket Brown are warranted for sidewall use.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Select one of the following three paragraphs and delete those not required. If more than one type is required, ensure that pattern is indicated on Drawings.

* + - 1. Supply ventilating type soffit material having 1/8 inch diameter holes for 7.53 square inches free air space per square foot of soffit area.
			2. Supply non-ventilating type soffit material.
			3. Supply both ventilating type and non-ventilating type soffit materials to achieve indicated patterns.
		1. Vinyl Soffit Type \_\_\_: Pro-Tech Plus Soffit.

\*\* NOTE TO SPECIFIER \*\* Select product(s) required from the following paragraphs and delete those not required.

* + - 1. Product Description: Triple 4 V-groove profile, 12 inches exposure, 5/8 inch depth; nominal 0.040 inch material thickness; nominal 12 feet piece length.
			2. Product Description: Double 5 V-groove profile, 10 inches exposure, 1/2 inch depth; nominal 0.042 inch material thickness; nominal 12 feet piece length.
			3. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			4. Finish: Low-gloss matte texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Cameo, Classic Cream, Colonial Yellow, Desert Sand, Everest, Harbor Grey, Musket Brown, Pebblestone Clay, Sandtone, Silver Grey, Victorian Grey, Village Green, and Wicker. All colors except Musket Brown are warranted for sidewall use.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Select one of the following four paragraphs and delete those not required. If more than one type is required, ensure that pattern is indicated on Drawings. Center ventilating type is available only in white.

* + - 1. Supply ventilating type soffit material having 1/8 inch diameter holes for 5.87 square inches free air space per square foot of soffit area.
			2. Supply center ventilating type soffit material having 1/8 inch diameter holes for 1.96 square inches free air space per square foot of soffit area.
			3. Supply non-ventilating type soffit material.
			4. Supply both ventilating type and non-ventilating type soffit materials to achieve indicated patterns.
		1. Vinyl Soffit Type \_\_\_: Pro-Bead Soffit.
			1. Product Description: Triple 2-2/3 Bead profile, 8 inches exposure, 3/8 inch depth; nominal 0.040 inch material thickness; nominal 12 feet 6 inches piece length.
			2. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			3. Finish: Low-gloss matte texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Cameo, Classic Cream, Desert Sand, Pebblestone Clay, Sandtone, abd Victorian Grey.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Select one of the following three paragraphs and delete those not required. If more than one type is required, ensure that pattern is indicated on Drawings.

* + - 1. Supply ventilating type soffit material having concealed lanced openings for 1.54 square inches free air space per square foot of soffit area.
			2. Supply non-ventilating type soffit material.
			3. Supply both ventilating type and non-ventilating type soffit materials to achieve indicated patterns.
		1. Vinyl Soffit Type \_\_\_: Universal Soffit.
			1. Product Description: Triple 4 V-groove profile, 12 inches exposure, 1/2 inch depth; nominal 0.036 inch material thickness; nominal 12 feet piece length.
			2. Nailing Hem: Single-row, with elongated nailing holes 1-1/4 inches long at 1-5/8 inches on center.
			3. Finish: Low-gloss matte texture.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two color paragraphs. Complete second paragraph as required. Colors available include White, Cameo, Desert Sand, Pebblestone Clay, Sandtone, and Victorian Grey.

* + - 1. Color: As selected from manufacturer's full range of available colors.
			2. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Select one of the following four paragraphs and delete those not required. If more than one type is required, ensure that pattern is indicated on Drawings. Center ventilating type is available only in white.

* + - 1. Supply ventilating type soffit material having 1/8 inch diameter holes for 5.87 square inches free air space per square foot of soffit area.
			2. Supply center ventilating type soffit material having 1/8 inch diameter holes for 1.96 square inches free air space per square foot of soffit area.
			3. Supply non-ventilating type soffit material.
			4. Supply both ventilating type and non-ventilating type soffit materials to achieve indicated patterns.
		1. Vinyl Trim:

\*\* NOTE TO SPECIFIER \*\* Select Vinyl Trim profiles from the following paragraphs as required for project. Delete the paragraphs not equired.

* + - 1. Soffit J-Trim: Channel, 1-1/2 inches nailing leg, 3/4 inch forward leg, 1/2 inch channel width; \_\_\_\_\_\_\_\_ color.
			2. Soffit J-Trim: Channel, 1-3/4 inches nailing leg, 1 inch forward leg, 5/8 inch channel width; \_\_\_\_\_\_\_\_ color.
			3. T-Channel: 1-3/4 inches batten, 5/8 inch recess; \_\_\_\_\_\_\_\_ color.
			4. Frieze Runner F-Channel: \_\_\_\_\_\_\_\_ color.
			5. Pro-Bead Soffit J-Trim: Channel, 2-3/8 inch nailing leg, 1-3/8 inch forward leg, 3/8 inch channel width; \_\_\_\_\_\_\_\_ color.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared. Verify dimensions and acceptability of substrate
		2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions.
		2. Installation of vapor retarder is specified in Section 07 27 19 - Plastic Sheet Air Barriers .
		3. Attach vinyl products to substrate for weathertight installation; ensure that horizontal components are installed true to level, that vertical components are installed true to plumb.
		4. Stagger lap joints in horizontal siding in uniform pattern as successive courses of siding are installed.
		5. Install joint sealers are specified in Section 07 90 00 - Joint Protection.
	4. ADJUSTING AND CLEANING
		1. Clean dirt from surface of installed products, using mild soap and water.
		2. After completing installation, remove from project site excess materials and debris resulting from installation of vinyl products.
	5. PROTECTION
		1. Protect installed products until completion of project.
		2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION