SECTION 07 46 33

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\*\* NOTE TO SPECIFIER \*\* Norandex Building Materials Distribution; Siding.

This section is based on the products of Norandex Building Materials Distribution, which is located at:
300 Executive Parkway, West; Suite 100
Hudson, OH 44236
Toll Free: (800) 528-0942
Tel: (330) 656-8800
Fax: (330) 656-8993
Email:thomas.tomaselli@norandex.com
Web: [www.norandex.com](http://www.norandex.com) .

Quality Norandex Building Materials Distribution building products beautify and protect the exterior of thousands of homes all across the country.

1. GENERAL
	1. SECTION INCLUDES

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

* + 1. Vinyl Siding.
		2. Aluminum Siding.
		3. Steel Siding.
		4. Soffits.
		5. Trim Accents.
		6. Gutters and Downspouts.
	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 08 11 00 - Metal Doors and Frames.
		3. Section 08 10 00 - Doors and Frames.
		4. Section 08 54 13 - Fiberglass Windows.
	1. REFERENCES

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

* + 1. AAMA 1402.86 - Standard Specification for Aluminum Siding, Soffit and Fascia.
		2. ASTM A 525 - Specification for General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process.
		3. ASTM A 526 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Commercial Quality.
		4. ASTM A 527 - Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Lock-Forming Quality.
		5. ASTM C 578 - Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.
		6. ASTM D 635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position.
		7. ASTM D 696 - Standard Test Method for Coefficient of Linear Thermal Expansion Between Negative 30 Degrees C and 30 Degrees C.
		8. ASTM D 1435 - Standard Test Method for Outdoor Weathering of Plastics.
		9. ASTM D 1929 - Standard Test Method for Ignition Properties of Plastics.
		10. ASTM D 3679 - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding.
		11. ASTM D 4226 - Standard Test Method for Impact Resistance of PVC Building Products.
		12. ASTM D 4477 - Standard Specification for Rigid Poly Vinyl Chloride (PVC) Soffit.
		13. ASTM D 4756 - Standard Practice for Installation of Rigid Poly Vinyl Chloride (PVC) Siding and Soffit.
		14. ASTM D 5206 - Standard Windload Resistance Test.
		15. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
		16. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials.
	1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00.
		2. [ Product Data ]: Manufacturer's data sheets on each product to be used, showing compliance with requirements.

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

* + 1. Selection Samples: Two complete sets of color cards representing manufacturer's full range of available colors and patterns.
		2. Manufacturer's installation instructions, showing required preparation and installation procedures.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Company with minimum of 25 years experience in manufacturing siding and associated products specified in this section.

\*\* NOTE TO SPECIFIER \*\* Preferred contractor classification is only required when offering Preferred Protection warranty. Delete if not required. Delete installer classification not required.

* + 1. Installer Minimum Qualifications:
			1. Installer shall have a minimum of 3 years experience installing all products specified in this section on projects of similar scope and size.
			2. Installer shall be licensed or otherwise authorized by all local authorities to install all products specified in this section.

\*\* NOTE TO SPECIFIER \*\* The following pre-installation meeting is suggested for all projects over 250 squares (2300 sm) total siding. Delete if not required.

* + 1. Pre-Installation Meeting: Conduct a pre-installation meeting not more than 2 weeks after the start of the siding project and before start of installation.
			1. Contractor shall schedule and arrange meeting and meeting place and notify attendees.
			2. Mandatory Attendees: Siding installer.
			3. Optional Attendees: Owner's representative, Architect's representative, prime Contractor's representative.
			4. Review all pertinent requirements for achieving the warranty specified below and set schedule for final warranty inspection.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Store products in manufacturer's unopened labeled packaging until ready for installation.
		2. Store products in a covered, ventilated area, at temperature not more than 110 degrees F (43 degrees C); do not store near steam pipes, radiators, or in sunlight.
		3. Store cartons on flat surface to maximum height recommended by manufacturer; store all rolls of coil stock on end.
		4. Store and dispose of solvent-based materials in accordance with all federal, state and local laws.
	2. WARRANTY

\*\* NOTE TO SPECIFIER \*\* Delete warranty not required. Select warranty duration based on siding specified.

* + 1. Provide a copy of Norandex's Limited Material Warranty.
			1. Duration: Lifetime.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Norandex Building Materials Distribution Inc., which is located at: 300 Executive Pkwy W. Suite 100; Hudson, OH 44236; Toll Free Tel: 800-528-0942 ; Tel: 330-656-8800; Fax: 330-656-8993 ; Email: [request info (thomas.tomaselli@norandex.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Norandex+Building+Materials+Distribution+Inc.&coid=34494&rep=&fax=330-656-8993); Web: [www.norandex.com](http://www.norandex.com)

\*\* 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.
	1. VINYL SIDING
		1. Polar Wall Plus: Polystyrene insulated vinyl siding manufacturer with the Norandex BearHug proprietary locking system and ColorHold Fade Protection for firm locking and lifetime colorfastness.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete two of the following three paragraphs.

* + - 1. Profile: Double 4 inch (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 5 inch Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			3. Profile: Double 6 inch (D6) with a 12 inch (305mm) total exposure.
			4. Vinyl Thickness: .044 inches (1.1mm).
			5. Panel Projection: 3/4 inch (19mm).
			6. Impact Resistance: Greater than 235 inch lbs.
			7. Design Windload: 215 MPH (346 Km/h) with a 60 PSF Static Windload Test Pressure.
			8. Thermal Expansion: 0.000035 inches / inch / Degrees F.
			9. Color: As listed in the Finish Schedule of this section.
			10. Polystyrene Specifications:

\*\* NOTE TO SPECIFIER \*\* Insulation Thickness and R-Value. 1 1/8 (R-2.88) for D/4 and 1-1/8 (R-3.53) D/5 Dutchlap and 1 1/4 (R-3.37) for D/6. Delete two of the following three paragraphs.

* + - * 1. Thickness: 1 1/8 inches (Nominal); R-Value: 2.88.
				2. Thickness: 1-1/8 inches (Nominal); R-Value: 3.53
				3. Thickness: 1 1/4 inches (Nominal); R-Value: 3.57.
				4. Density: 1 pound per cubic foot.
				5. Water Permeability: Not less than 5.0 Perms / inch maximum.
				6. Water Absorption: Less than 4 percent by volume.
		1. Sagebrush: Super Premium, extra thick vinyl siding provides unequalled rigidity. Patented Nail hem allows for installation with nails or staples. ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete one of the following two paragraphs.

* + - 1. Profile: Double 4 inch (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 5 inch Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			3. Vinyl Thickness: .050 inches (1.3mm).
			4. Panel Projection: 3/4 inch (19mm).
			5. Impact Resistance: Greater than 60 inch lbs.
			6. Design Windload: 206 MPH (332 Km/h) with a 59 PSF Static Windload Test Pressure.
			7. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			8. Color: As listed in the Finish Schedule of this section.
		1. Reynolds Crossroads: Super Premium, extra thick vinyl siding provides unequalled rigidity. Patented Nail hem allows for installation with nails or staples. ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete one of the following two paragraphs.

* + - 1. Profile: Double 4 inch (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 5 inch Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			3. Vinyl Thickness: .050 inches (1.3mm).
			4. Panel Projection: 3/4 inch (19mm).
			5. Impact Resistance: Greater than 60 inch lbs.
			6. Design Windload: 206 MPH (332 Km/h) with a 59 PSF Static Windload Test Pressure.
			7. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			8. Color: As listed in the Finish Schedule of this section.
		1. Cedar Reflections XL: Extra Long, 16 foot 8 inch panels provides walls with fewer seams. Heavier panels and 3/4 inch projection means extra rigidity, while ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete one of the following two paragraphs.

* + - 1. Profile: Double 4 1/2 inch Clapboard (D/4-1/2 inch) with a 9 inch (229mm) total exposure.
			2. Profile: Double 4 1/2 inch Dutchlap (D/4-1/2 inch Dutchlap) with a 9 inch (229mm) total exposure.
			3. Vinyl Thickness: .046 inches (1.2mm).
			4. Panel Projection: 3/4 inch (19mm).
			5. Impact Resistance: Greater than 60 inch lbs.
			6. Design Windload: 190 MPH (306 Km/h) with a 47 PSF Static Windload Test Pressure.
			7. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			8. Color: As listed in the Finish Schedule of this section.
		1. Great Barrier: Super Heavy Duty JawsLock seam locking and 3/4 inch projection means extra rigidity, while ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete one of the following two paragraphs.

* + - 1. Profile: Double 4 inch Clapboard (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 5 inch Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			3. Vinyl Thickness: .044 inches (1.1mm).
			4. Panel Projection: 3/4 inch (19mm).
			5. Impact Resistance: Greater than 60 inch lbs.
			6. Design Windload: 251 MPH (404 Km/h) with a 82 PSF Static Windload Test Pressure.
			7. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			8. Color: As listed in the Finish Schedule of this section.
		1. Reynolds Grand Junction: Super Heavy Duty RaiLock seam locking and 3/4 inch projection means extra rigidity, while ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete one of the following two paragraphs.

* + - 1. Profile: Double 4 inch Clapboard (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 5 inch Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			3. Vinyl Thickness: .044 inches (1.1mm).
			4. Panel Projection: 3/4 inch (19mm).
			5. Impact Resistance: Greater than 60 inch lbs.
			6. Design Windload: 251 MPH (404 Km/h) with an 82 PSF Static Windload Test Pressure.
			7. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			8. Color: As listed in the Finish Schedule of this section.
		1. Sterling: The genuine appeal of hand sawn siding with a lightly embossed wood grain pattern. ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete three of the following four paragraphs.

* + - 1. Profile: Double 4 inch Clapboard (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 5 inch Clapboard (D/5) with a 10 inch (254mm) total exposure.
			3. Profile: Double 5 inch Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			4. ile: Single 8 inch (Single 8).

\*\* NOTE TO SPECIFIER \*\* Select Vinyl Thickness. .044 for D4, D5, D5L, .048 for Single 8. Delete one of the next two paragraphs.

* + - 1. Vinyl Thickness (D4, D5, D5DL): .044 inches (1.1mm).
			2. Vinyl Thickness (Single 8): .048 inches (1.2mm).

\*\* NOTE TO SPECIFIER \*\* Select panel projection. 5/8 inch for D4, D5, D5L, 3/4 inch for Single 8. Delete one of the next two paragraphs.

* + - 1. Panel Projection (D4, D5, D5DL): 5/8 inch (16mm).
			2. Panel Projection (Single 8): 3/4 inch (19mm).
			3. Impact Resistance: Greater than 60 inch lbs.
			4. Design Windload: 173 MPH (280 Km/h) with a 22 PSF Static Windload Test Pressure.
			5. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			6. Color: As listed in the Finish Schedule of this section.
		1. Woodsman Select: Distinctive architectural lines and unified appearance that result in a satisfying curb appeal. ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete three of the following four paragraphs.

* + - 1. Profile: Double 4 inch Clapboard (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 4 inch Dutchlap (D/4 Dutchlap) with an 8 inch (203mm) total exposure.
			3. Profile: Double 5 inch Clapboard (D/5) with a 10 inch (254mm) total exposure.
			4. Profile: Double 5 inch Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			5. Vinyl Thickness: .042 inches (1.05mm).
			6. Panel Projection: 5/8 inch (16mm).
			7. Impact Resistance: Greater than 60 inch lbs.
			8. Design Windload: 173 MPH (280 Km/h) with a 22 PSF Static Windload Test Pressure.
			9. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			10. Color: As listed in the Finish Schedule of this section.
		1. Reynolds Chesapeake Select: Distinctive architectural lines and unified appearance that result in a satisfying curb appeal. ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete three of the following four paragraphs.

* + - 1. Profile: Double 4 inch Clapboard (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 4 inch Dutchlap (D/4 Dutchlap) with an 8 inch (203mm) total exposure.
			3. Profile: Double 5 inch Clapboard (D/5) with a 10 inch (254mm) total exposure.
			4. Profile: Double 5 inch Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			5. Vinyl Thickness: .042 inches (1.05mm).
			6. Panel Projection: 5/8 inch (16mm).
			7. Impact Resistance: Greater than 60 inch lbs.
			8. Design Windload: 173 MPH (280 Km/h) with a 22 PSF Static Windload Test Pressure.
			9. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			10. Color: As listed in the Finish Schedule of this section.
		1. Summit Manor: Economy vinyl siding panel. Strong, tough and durable without sacrificing curb appeal. ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete three of the following four paragraphs.

* + - 1. Profile: Double 4 inch Clapboard (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 4 1/2 inch Clapboard (D/4.5) with a 9 inch (229mm) total exposure.
			3. Profile: Double 4 1/2 inch Dutchlap (D/4.5 DL) with a 9 inch (229mm) total exposure.
			4. Vinyl Thickness: .040 inches (1.0mm).
			5. Panel Projection: 1/2 inch (13mm).
			6. Impact Resistance: Greater than 60 inch lbs.
			7. Design Windload: 175 MPH (282 Km/h) with a 40 PSF Static Windload Test Pressure.
			8. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			9. Color: As listed in the Finish Schedule of this section.
		1. Reynolds Easy Street: Economy vinyl siding panel. Strong, tough and durable without sacrificing curb appeal. ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete three of the following four paragraphs.

* + - 1. Profile: Double 4 inch Clapboard (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 4 1/2 inch Clapboard (D/4.5) with a 9 inch (229mm) total exposure.
			3. Profile: Double 4 1/2 inch Dutchlap (D/4.5 DL) with a 9 inch (229mm) total exposure.
			4. Vinyl Thickness: .040 inches (1.0mm).
			5. Panel Projection: 1/2 inch (13mm).
			6. Impact Resistance: Greater than 60 inch lbs.
			7. Design Windload: 175 MPH (282 Km/h) with a 40 PSF Static Windload Test Pressure.
			8. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			9. Color: As listed in the Finish Schedule of this section.
		1. Cambridge Beaded: Brings together all the elements of early Southern architecture with all the charm, grace, and attention to detail of Old World craftsmanship. ColorHold Fade Protection provides a lifetime of exceptional color.
			1. Vinyl Thickness: .048 inches (1.2mm).
			2. Panel Projection: 5/8 inch (16mm).
			3. Impact Resistance: Greater than 60 inch lbs.
			4. Design Windload: 188 MPH (302 Km/h) with a 46 PSF Static Windload Test Pressure.
			5. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			6. Profile: Single 6 1/2 inch (165mm) exposure (6.5 Horizontal).
			7. Color: As listed in the Finish Schedule of this section.
		2. Shenandoah: Combines the look of narrow-plank New England clapboard siding and the hand-carved appearance of coastal beaded claddings. ColorHold Fade Protection provides a lifetime of exceptional color.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete one of the following two paragraphs.

* + - 1. Profile: Beaded 6 1/2 inch (165mm) exposure (6.5 Beaded).
			2. Profile: Triple 3 inch Clapboard (T/3) with a 9 inch (229mm) total exposure.

\*\* NOTE TO SPECIFIER \*\* Select Vinyl Thickness. .040 for T/3, .046 for Beaded. Delete one of the next two paragraphs.

* + - 1. Vinyl Thickness: .040 inches (1.0mm).
			2. Vinyl Thickness: .046 inches (1.17mm).
			3. Panel Projection: 5/8 inch (16mm).
			4. Impact Resistance: Greater than 60 inch lbs.
			5. Design Windload: 206 MPH (332 Km/h) with a 55 PSF Static Windload Test Pressure.
			6. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			7. Color: As listed in the Finish Schedule of this section.
		1. Premium Board & Batten: strong vertical lines and authentic replication of hand-planed wood planks is perfect for whole house applications, or to accent a gable or elevation. The light brushed finish provides the appearance of freshly-painted wood that lasts a lifetime.
			1. Vinyl Thickness: .050 inches (1.3mm).
			2. Impact Resistance: Greater than 60 inch lbs.
			3. Design Windload: 151 MPH (243 Km/h) with a 30 PSF Static Windload Test Pressure.
			4. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			5. Profile: 6 1/4 inch (159mm) exposure vertical panel.
			6. Color: As listed in the Finish Schedule of this section.
		2. Rustic Blend Plus: The perfect blend of weathered wood's natural beauty and solid vinyl siding's durability. It features a rich, random wood grain pattern that becomes more beautiful with each passing year. No two panels are exactly alike. The variegated color process provides a unique look that seems to take on the character of the environment.
			1. Vinyl Thickness: .046 inches (1.2mm).

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete two of the following three paragraphs.

* + - 1. Profile: Double 4 inch Clapboard (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 5 inch Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			3. Profile: Board and Batten Vertical with 7 inch (178mm) total exposure .

\*\* NOTE TO SPECIFIER \*\* Select Panel Projection. 1/2" for D/5 Dutchlap, 5/8" for D/4, 3/4" for Board and Batten. Delete two of the next three paragraphs.

* + - 1. Panel Projection: 1/2 inch (13mm).
			2. Panel Projection: 5/8 inch (16mm).
			3. Panel Projection: 3/4 inch (19mm).
			4. Impact Resistance: Greater than 60 inch lbs.
			5. Design Windload: 130 MPH (209 Km/h) with a 22 PSF Static Windload Test Pressure.
			6. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			7. Color: As listed in the Finish Schedule of this section.
	1. ALUMINUM SIDING
		1. Reynolds WestBrooke Aluminum Siding: Designed and manufactured to meet all types of home building and remodeling applications. Combines the classic look of handcrafted wood with the durability of aluminum, with a stain-resistant finish.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete five of the following six paragraphs.

* + - 1. Profile: Double 4 inch Smooth Clapboard (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 4 inch Roughsawn Clapboard (D/4) with an 8 inch (203mm) total exposure.
			3. Profile: Double 5 inch Roughsawn Clapboard (D/5) with a 10 inch (254mm) total exposure.
			4. Profile: Double 5 inch Roughsawn Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			5. Profile: Single 8 inch Smooth Clapboard with an 8 inch (203mm) total exposure.
			6. Profile: Single 8 inch Roughsawn Clapboard with an 8 inch (203mm) total exposure.
			7. Tensile Strength: 29000 psi (200 MPa).

\*\* NOTE TO SPECIFIER \*\* Select Panel Thickness. Delete one of the next two paragraphs.

* + - 1. Panel Thickness 0.019 inches (.5mm).
			2. Panel Thickness 0.024 inches (.6mm).
			3. Panel Projection: 1/2 inch (13mm).
			4. Finish: 0.7 mil thick Linear Polyester Coating. Color as listed in the Finish Schedule of this section.
	1. STEEL SIDING
		1. Reynolds Craftmark Classic Steel Siding: Factory produced steel manufactured using a special coating process including a hot-dipped zinc treatment, bake-bonded priming agent and exclusive Vyna-Fused PVC coating for maximum beauty and minimum upkeep. Manufactured in accordance with ASTM A 525, A 526, and A 528.

\*\* NOTE TO SPECIFIER \*\* Select Profile. Delete three of the following four paragraphs.

* + - 1. Profile: Double 4 inch Woodgrain Clapboard (D/4) with an 8 inch (203mm) total exposure.
			2. Profile: Double 5 inch Woodgrain Clapboard (D/5) with a 10 inch (254mm) total exposure.
			3. Profile: Double 5 inch Woodgrain Dutchlap (D/5 Dutchlap) with a 10 inch (254mm) total exposure.
			4. Profile: Single 8 inch Woodgrain Clapboard with an 8 inch (203mm) total exposure.
			5. Profile: Single 12 inch Woodgrain Vertical Panel with a 12 inch (305mm) total exposure.
			6. Impact Resistance: Greater than 80 inch lbs.
			7. Tensile Strength: 45000 to 52000 psi (310 - 359 MPa).
			8. Panel Thickness: 29 gauge - 0.015 inches (.4mm).
			9. Panel Projection: 1/2 inch (13mm).
			10. Finish: 3.3 to 3.7 mil thick topoat. Color as listed in the Finish Schedule of this section.
	1. SOFFITS
		1. T4 Matte Vinyl Soffit: Solid vinyl soffit designed to never crack, chip, flake or peel.
			1. Vinyl Thickness: .038 inches (0.95mm).
			2. Vinyl Thickness: .044 inches (1.1mm).
			3. Impact Resistance: Greater than 60 inch lbs.
			4. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			5. Profile: Triple 4 inch V-Groove with 12 inch (305mm) total exposure

\*\* NOTE TO SPECIFIER \*\* Select Venting Type. Delete three of the following four paragraphs.

* + - 1. Venting: Solid, No Vents.
			2. Venting: Full vent perforated with 5.7 square inches (36.77 sqcm) Net Free Ventilating Area (NFVA) per lineal foot.
			3. Venting: Center vent perforated system with 1.9 square inches (12.26 sqcm) Net Free Ventilating Area (NFVA) per lineal foot.
			4. Venting: Dual Hidden Ridge vents hidden in the grooves with a net free ventilation area per lineal foot of 10.0 sq. in.
			5. Color: As listed in the Finish Schedule of this section.
		1. D/5 Inch Select Soffit: Protects roof overhangs and porch ceilings from damaging moisture better than painted wood. Looks great for years because of solid vinyl panel that never flakes, peels, rots, splits. Pebble non-glare finish will never require painting.
			1. Vinyl Thickness: .040 inches (1.0mm).
			2. Impact Resistance: Greater than 60 inch lbs.
			3. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			4. Profile: Double 5 inch V-Groove with a 10 inch (254mm) total exposure.

\*\* NOTE TO SPECIFIER \*\* Select Venting Type. Delete one of the following two paragraphs.

* + - 1. Venting: Solid, No Vents.
			2. Venting: Full Vent Lanced with 11.9 square inches (76.77 sqcm) Net Free Ventilating Area (NFVA) per lineal foot.
			3. Color: As listed in the Finish Schedule of this section.
		1. Beaded Porch Panel: turn-of-the-century looks and charm with three narrow weather boards. Separated and accentuated by distinctive beads, Beaded Porch Panel recreates the Victorian style popular since the 19th century. Use as soffit and porch ceilings, or vertically as an accent wainscoting.
			1. Vinyl Thickness: .040 inches (1.0mm).
			2. Impact Resistance: Greater than 45 inch lbs.
			3. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			4. Profile: Triple 2.6 inch panels with 8 inch (203mm) total exposure.
			5. Venting: Center Vent with net free ventilation area per lineal foot of 2 sq. in.
			6. Color: As listed in the Finish Schedule of this section.
		2. Cedar Reflections D5 Vinyl Soffit: Low gloss random grained finish that replicates the look of a natural cedar. Features an innovative locking system designed for strength, rigidity and superior performance even in high winds.
			1. Vinyl Thickness: .048 inches (1.2mm).
			2. Panel Projection: 3/4 inch (19mm).
			3. Impact Resistance: Greater than 60 inch lbs.
			4. Design Windload: 190 MPH (306 Km/h) with a 30 PSF Static Windload Test Pressure.
			5. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			6. Profile: Double 5 inch U-Groove with a 10 inch (254mm) total exposure.

\*\* NOTE TO SPECIFIER \*\* Select Venting Type. Delete two of the following three paragraphs.

* + - 1. Venting: Solid, No Vents.
			2. Venting: Full Vent Lanced with 11.9 square inches (76.77 sqcm) Net Free Ventilating Area (NFVA) per lineal foot.
			3. Venting: Hidden Ridge Venting System with 1.9 square inches (12.26 sqcm) Net Free Ventilating Area (NFVA) per lineal foot.
			4. Color: As listed in the Finish Schedule of this section.
		1. Aluminum Soffit: Permanent solution for overhangs while providing proper airflow and attic ventilation.
			1. Panel Projection: 3/4 inch (19mm).
			2. Impact Resistance: Greater than 60 inch lbs.
			3. Design Windload: 129 MPH with a 30 PSF Static Windload Test Pressure.
			4. Thermal Expansion: 0.0000315 inches / inch / Degrees F.
			5. Profile: Double 6 inch V-Groove with a 12 inch (305mm) total exposure.
				1. Thickness: .019 inches (0.5mm).

\*\* NOTE TO SPECIFIER \*\* Select panel VENTILATION. Delete one of the next two paragraphs.

* + - * 1. Venting: Solid, No Vents.
				2. Venting: Full Vent Laced - NFVA 15.1 square inches (97.41 sqcm) Net Free Ventilating Area (NFVA) per lineal foot.
			1. Profile: Triple 4 inch U-Groove with a 12 inch (305mm) total exposure.
				1. Thickness: .019 inches (0.5mm).

\*\* NOTE TO SPECIFIER \*\* Select panel VENTILATION. Delete two of the next three paragraphs.

* + - * 1. Venting: Solid, No Vents.
				2. Venting: Full Vent Laced - NFVA 19.6 square inches (126.45 sqcm) Net Free Ventilating Area (NFVA) per lineal foot.
				3. Venting: Center Vent - NFVA 6.5 square inches (41.93 sqcm) Net Free Ventilating Area (NFVA) per lineal foot.
			1. Profile: Quad 4 inch U-Groove with a 16 inch (406mm) total exposure.
				1. Thickness: .015 inches (0.4mm).

\*\* NOTE TO SPECIFIER \*\* Select Venting Type. Delete two of the following three paragraphs.

* + - * 1. Venting: Solid, No Vents.
				2. Venting: Full Vent Laced - NFVA 26.1 square inches (168.38 sqcm) Net Free Ventilating Area (NFVA) per lineal foot.
				3. Venting: Center Vent - NFVA 13.1 square inches (84.51 sqcm) Net Free Ventilating Area (NFVA) per lineal foot.
			1. Color: As listed in the Finish Schedule of this section.

\*\* NOTE TO SPECIFIER \*\* Select only accessory products that are specified on this project.

* 1. ACCESSORlES, ACCENTS AND TRIM
		1. Home Accents: Accessory accent siding providing rich texture, deep shadow lines and natural design that combine authentic beauty with the remarkable, low-maintenance of solid vinyl. Protected with the exclusive ColorHold acrylic capping system for superior weather-ability and color retention.

\*\* NOTE TO SPECIFIER \*\* Accent Siding Components. Delete products not required for this project.

* + - 1. Shape: Rounds.
			2. Shape: Fishscales.
			3. Shape: Shingles.
			4. Shape: Shakes.
			5. Shape: Staggered Shakes.
			6. Shape: Corners.
			7. Color: As listed in the Finish Schedule of this section.
		1. Outside Corner System: A unique signature on your exterior look. Complete design flexibility with flat or fluted corner lineals, and beaded or cove inserts. Emphasize details with contrasting colors, or match your siding color for a unified look that stresses harmony.

\*\* NOTE TO SPECIFIER \*\* Specialty corners and window trim. Delete products not required for this project.

* + - 1. Lineal Window System
			2. 6 inch Fluted Corner
			3. 6 inch Flat Corner with Step (includes foam)
			4. 3 Piece Outside Corner System
			5. 3-1/2 inch Flat Lineal/Surround
			6. 3-1/2 inch Fluted Lineal/Suround
			7. 3-1/2 inch Flat with Step Lineal/Surround (includes foam)
			8. 5-1/2 inch Flat Lineal/Surround
			9. Cove Corner Insert
			10. Beaded Corner Insert
			11. Color: As listed in the Finish Schedule of this section.
		1. Coil Stock: 0.032 inch aluminum coil for application over properly supported rakes, fascia boards, window casings and other trim locations.
			1. Roll Size: 24 inches x 50 feet (610mm x 15240mm).

\*\* NOTE TO SPECIFIER \*\* Select Trim Color. Delete two of the next three paragraphs. Enter color below if not listed.

* + - 1. Color: White
			2. Color: Musket Brown
			3. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
		1. J-Channel: pocket trim channel for application around all penetrations and finish trim locations.

\*\* NOTE TO SPECIFIER \*\* Select color requirement. Delete one of the next two paragraphs.

* + - 1. Color: To match siding panel color.
			2. Color: To match trim color.
		1. F-Channel: pocket trim channel for application of soffit panels.
			1. Color: To match adjacent soffit or siding panel color.
		2. Corners: 3 1/2 inch (76mm) pre-molded outside corner with 3/4 inch receiving pocket or 5/8 inch receiving pocket. 12 foot (3048mm) lengths for 3/4 inch pockets and 10 foot lengths for 5/8 inch pockets.
			1. Color: To match siding panel color.
		3. Starter Strip: Locking starter bead for securing base course of siding to substrate.
		4. Under Sill Finish Bead: Finish casing for concealing cut edges and securing siding panels beneath wall terminations, windows or other large penetrations.
			1. Color: To match siding panel color.
		5. Solid Accessory Block: Pre-molded Accessory block with removable bezel for mounting lighting fixtures, plumbing fixtures, or other externally mounted devices.

\*\* NOTE TO SPECIFIER \*\* Select accessory block shape. Delete two of the next three paragraphs.

* + - 1. Shape: Rectangular.
			2. Shape: Octagonal.
			3. Shape: Round.
			4. Color: To match siding panel color.
			5. Locate behind all applicable accessory fixtures.
		1. Electrical Accessory Block: Pre-molded Accessory block with removable bezel for mounting external electrical receptacles.
			1. Shape: Rectangular
			2. Color: To match siding panel color.
			3. Locate behind all applicable electrical fixtures.
		2. Dryer Vent: Pre-molded dryer vent with exterior louvers and a 4 inch (102mm) vent tube receiver. For warm air ventilation. >From dryer or bath vents.
			1. Shape: Rectangular
			2. Color: To match siding panel color.
			3. Locate as shown on Contract Drawings.
	1. GUTTERS AND DOWNSPOUTS
		1. Aluminum Raincarrier System: Engineered and manufactured to resist weathering, staining and 'tiger striping', all components come with ReynoGuard, the scientific coating that offers superior resistance to the elements combined with easy cleanability for the homeowner.

\*\* NOTE TO SPECIFIER \*\* Select Gutter Preparation Method. Delete one of the following two paragraphs.

* + - 1. Provide Coil Stock for on-site manufacturing of seamless gutters.
			2. Provide Pre-formed "K" Style Gutters.

\*\* NOTE TO SPECIFIER \*\* Select Pre-Formed Gutter Size. Delete one of the following two paragraphs.

* + - * 1. Size: 5 inch.
				2. Size: 6 inch.
			1. Tensile Strength: 29000 psi (200 MPa).
			2. Panel Thickness 0.032 inches (.8mm).
			3. Finish: 0.7 mil thick Linear Polyester Coating. Color as listed in the Finish Schedule of this section.
			4. Elbows: .019 inch (.5mm) thick aluminum Type A and Type B elbows. Locations as noted on drawings.

\*\* NOTE TO SPECIFIER \*\* Insert Color Required.

* + - 1. Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
	1. FINISH SCHEDULE
		1. Siding Color:

\*\* NOTE TO SPECIFIER \*\* Enter color from manufacturer's available range for the products specified. Delete all but colors required for the specific project.

* + - 1. To be selected by Architect from manufacturer's standard available color range.
			2. Almond.
			3. Beige.
			4. Butternut.
			5. Cactus.
			6. Champagne.
			7. Cobblestone.
			8. Cottonwood.
			9. Cypress.
			10. Cream.
			11. Dune.
			12. Evergreen.
			13. Firebrick.
			14. Granite.
			15. Hazel.
			16. Ivy.
			17. Linen.
			18. Maplewood.
			19. Moss.
			20. Red Oak.
			21. Russet.
			22. Saddle.
			23. Sand.
			24. Sandstone.
			25. Sierra.
			26. Silver.
			27. Steel Blue.
			28. Tan.
			29. Tumbleweed.
			30. Wedgewood.
			31. Wheat.
			32. White.
			33. Yellow.
		1. Accessory Color:

\*\* NOTE TO SPECIFIER \*\* Select J-Channel, Corner and other accessory colors . Delete all but colors required for the specific project.

* + - 1. Color to match Siding Color.

\*\* NOTE TO SPECIFIER \*\* Enter color from manufacturer's available range for the products specified.

* + - 1. Color:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
		1. Soffit Color:

\*\* NOTE TO SPECIFIER \*\* Select Soffit Color. Delete all but colors required for the specific project.

* + - 1. To be selected by Architect from manufacturer's standard available color range.
			2. Almond.
			3. Beige.
			4. Brown.
			5. Cactus.
			6. Champagne.
			7. Cobblestone.
			8. Cream.
			9. Dune.
			10. Evergreen.
			11. Firebrick.
			12. Granite.
			13. Hazel.
			14. Ivy.
			15. Linen.
			16. Russet.
			17. Saddle.
			18. Sand.
			19. Sandstone.
			20. Sierra.
			21. Silver.
			22. Steel Blue.
			23. Tan.
			24. Tumbleweed.
			25. Wedgewood.
			26. Wheat.
			27. White.
		1. Home Accents Color:

\*\* NOTE TO SPECIFIER \*\* Select Gutter Color. Delete all but colors required for the specific project.

* + - 1. To be selected by Architect from manufacturer's standard available color range.
			2. Almond.
			3. Champagne.
			4. Cobblestone.
			5. Cream.
			6. Dune.
			7. Evergreen.
			8. Granite.
			9. Firebrick.
			10. Hazel.
			11. Ivy.
			12. Linen.
			13. Russet.
			14. Saddle.
			15. Sand.
			16. Sandstone.
			17. Sierra.
			18. Silver.
			19. Steel Blue
			20. Tan.
			21. Tumbleweed.
			22. Wedgewood.
			23. Wheat.
			24. White.
1. EXECUTION
	1. EXAMINATION
		1. Prior to commencing installation, verify governing dimensions of building and condition of substrate.
	2. PREPARATION
		1. Examine, clean, and repair as necessary any substrate conditions which would be detrimental to proper installation.
		2. Do not begin installation until unacceptable conditions have been corrected.
	3. INSTALLATION
		1. General: Install products in accordance with the latest printed instructions of the manufacturer, with all components true and plumb.
		2. Nailing: Nail horizontal panels by placing nail in center of slot. Nail vertical panels by placing first nail at top of top slot and remaining nails in center of slots.
		3. Drive nails straight, leaving 1/32 inch (0.8mm) space between nail head and flange of panel.
		4. Stapling: Staple horizontal panels by resting head of stapler into nail hem staple channel. Shoot staple legs into the centers of dual parallel nail slots, leaving 1/32 inch (0.8mm) space between the staple crown and flange of panel.
		5. Spacing: Allow space between both ends of siding panels and trim for thermal movement. Overlap horizontal panel ends one-half the width of factory pre-cut notches.
		6. Joints in Horizontal Siding: Stagger lap joints in uniform pattern as successive courses of siding are installed.
		7. Joints in Vertical Siding: Install J-channel and flashing to accommodate successive courses of vertical siding. Install wood shims at building corners to bring cut edges of vertical siding out to correct plane.
	4. PROTECTION
		1. Protect installed products until completion of project.
		2. Touch-up, repair or replace damaged products before Substantial Completion.
	5. CLEANING
		1. At completion of work, remove debris caused by siding installation from project site.

END OF SECTION