



Architectural Specifications

SIDING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Siding of the following types.
1. Fiber Cement Horizontal Siding (SilvaWood).
 2. Fiber Cement Horizontal Siding (SilvaPlus).
 3. Fiber Cement Vertical Siding (SilvaWood).
 4. Fiber Cement Vertical Siding (SilvaPlus).
 5. Fiber Cement Shake Panels (SilvaWood).
 6. Fiber Cement Shake Panels (SilvaPlus).

1.2 RELATED SECTIONS

- A. Section 06201 - Exterior Finish Carpentry.
- B. Section 06620 - Wood, Fiber Cement and Composite Trim.
- C. Section 07400 - Siding Panels.
- D. Section 09900 - Painting.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: For each type of process and factory-fabricated product. Indicate component materials, dimensions, profiles, textures, and colors and include construction and application details.
1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
- C. Research/Evaluation Reports: For fire-retardant-coated wood.
- D. Verification Samples: For each finish product specified, two samples, representing actual product and color.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Installer shall be licensed, registered or otherwise acceptable to authorities having jurisdiction to install exterior building products.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inspect the materials upon delivery to assure specified products have been received. Store products in a safe area, away from construction traffic. Store under cover and off the ground, protected from moisture.

1.6 PROJECT CONDITIONS

A. 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 recommended limits.

1.7 WARRANTY

A. Material Warranty: Provide manufacturer's standard warranty and as follows:

1. SilvaWood: As provided by siding substrate manufacturer..

B. Coating Warranty: Provide manufacturer's standard warranty and as follows:

1. SilvaWood Coatings: 15 year warranty on the coating when factory applied.
2. SilvaPlus Coatings: 15 to 30 years dependent on the paint brand selected. Brands including, but not limited to: Benjamin Moore, Sherwin Williams, Akzo Nobel, Duckback, PPG and PPI group of paints.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: SilvaStar Forest Products, which is located at: 4395 Curtis Road, Bellingham, WA 98226; Tel: (360) 647-2434; Email: request info (info@silvastar.com); Web: www.silvastar.com

B. Substitutions: Not permitted.

C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 SIDING

A. Substrate: Fiber Cement Siding; Allura products as coated by SilvaStar.

1. Type: Horizontal Fiber Cement Siding; WeatherBoards as coated by SilvaStar.
 - a. Style: Lap siding; 5-1/4 inches (133 mm) wide.
 - b. Style: Lap siding; 6-1/4 inches (159 mm) wide. .
 - c. Style: Lap siding; 7-1/4 inches (185 mm) wide. .
 - d. Style: Lap siding; 8-1/4 inches (210 mm) wide. .
 - e. Style: Lap siding; 9-1/4 inches (235 mm) wide. .
 - f. Style: Lap siding; 12 inches (305 mm) wide. .
 - g. Style: _____.
 - h. Style: As per sample.
 - i. Style: As indicated on drawings.
 - j. Texture: Smooth.

- k. Texture: Traditional (cedar).
 - l. Thickness: 5/16 inch (7.9 mm).
 - m. Length: 12 feet (3657 mm).
2. Type: Vertical Fiber Cement Siding: WeatherBoards as coated by SilvaStar.
 - a. Style: Stucco Panel; 4 feet wide.
 - b. Style: Smooth Panel; 4 feet wide.
 - c. Style: Cedar, no groove Panel; 4 feet wide.
 - d. Style: Cedar, groove Panel; 4 feet wide.
 - e. Style: _____.
 - f. Style: As per sample.
 - g. Style: As indicated on drawings.
 - h. Length: 8 feet.
 - i. Length: 9 feet.
 - j. Length: 10 feet.
 3. Type: Shate Panel Fiber Cement Siding: WeatherBoards as coated by SilvaStar.
 - a. Style: Perfection Shingles; 8-1/4 inch wide by 12 feet long.
 - b. Style: Random Square Straight Edge, 12 inch wide by 4 feet long.
 - c. Style: Random Square Straight Edge, 16 inch wide by 4 feet long.
 - d. Style: Random Square Staggered Edge; 16 inch wide by 4 feet long.
 - e. Style: Half-Rounds; 16 inch wide by 4 feet long.
 - f. Style: Octagons, 16 inch wide by 4 feet long. .
 - g. Style: _____.
 - h. Style: As per sample.
 - i. Style: As indicated on drawings.
 4. Finish: Factory Coated by SilvaStar.
 5. Finish: Proprietary Hybrid Alkyd Emulsion Primer (HAE) only.
 6. Finish: Tinted (HAE) Primer only.
 - a. Color: _____.
 - b. Color: As per sample.
 - c. Color: As per drawings.
 7. Finish: Factory Finish Top Coating by SilvaStar.
 - a. Procedure: 1 coat, coated all 6 sides.
 - b. Procedure: 2 coats, coated all 6 sides.
 - c. Procedure: _____.
 - d. Procedure: As per sample.
 - e. Procedure: As indicated on drawings..
 - f. Paint Manufacturer: Benjamin Moore.
 - g. Paint Manufacturer: Sherwin Williams.
 - h. Paint Manufacturer: Akzo Nobel.
 - i. Paint Manufacturer: Duckback.
 - j. Paint Manufacturer: PPG.
 - k. Paint Manufacturer: PPI.
 - l. Paint Manufacturer: _____.
 - m. Brand: _____.
 - n. Paint Manufacturer/Brand: As per sample.
 - o. Paint Manufacturer/Brand: As indicated on drawings.
 - p. Color: SilvaWood Warm Pecan
 - q. Color: SilvaWood Ginger Snap
 - r. Color: SilvaWood Peanut Brittle
 - s. Color: SilvaWood Sea Salt Caramel
 - t. Color: SilvaWood Texas Toffee
 - u. Color: SilvaWood Butterscotch
 - v. Color: SilvaWood Chocolate Éclair

- w. Color: SilvaWood Earl Grey Sorbet
- x. Color: SilvaWood Butterscotch
- y. Color: SilvaWood Chocolate Cloud
- z. Color: SilvaWood Silver Macaron
- aa. Color: SilvaWood Chocolate Mousse
- bb. Color: _____.
- cc. Color: As per sample.
- dd. Color: As indicated on drawings.

B. Substrate: Fiber Cement Siding; James Hardie products as coated by SilvaStar.

1. Type: Horizontal Fiber Cement Siding; HardiePlank as coated by SilvaStar.
 - a. Style: Lap siding; 5-1/4 inches (133 mm wide).
 - b. Style: Lap siding; 6-1/4 inches (159 mm) wide. .
 - c. Style: Lap siding; 7-1/4 inches (185 mm) wide. .
 - d. Style: Lap siding; 8-1/4 inches (210 mm) wide. .
 - e. Style: Lap siding; 9-1/4 inches (235 mm) wide. .
 - f. Style: Lap siding; 12 inches (305 mm) wide. .
 - g. Style: _____.
 - h. Style: As per sample.
 - i. Style: As indicated on drawings.
 - j. Texture: Smooth with eased edge.
 - k. Texture: Smooth with squared edge.
 - l. Texture: Cedarmill with eased edge.
 - m. Texture: Cedarmill with squared edge.
 - n. Texture: _____.
 - o. Texture: As per sample.
 - p. Texture: As indicated on drawings.
 - q. Thickness: 5/16 inch (7.9 mm).
 - r. Length: 12 feet (3657 mm).
2. Type: Vertical Fiber Cement Siding; HardiePanel as coated by SilvaStar.
 - a. Style: Stucco Panel; 4 feet wide.
 - b. Style: Smooth Panel; 4 feet wide.
 - c. Style: Cedarmill Panel; 4 feet wide.
 - d. Style: _____.
 - e. Style: As per sample.
 - f. Style: As indicated on drawings.
 - g. Length: 8 feet.
 - h. Length: 9 feet.
 - i. Length: 10 feet.
3. Type: Shake Panel Fiber Cement Siding; HardieShingle as coated by SilvaStar.
 - a. Style: Heritage Straight Edge; 15.25 inch wide.
 - b. Style: Heritage Staggered Edge; 15.25 inch wide.
 - c. Style: Heritage Half-Rounds; 15.25 inch wide.
 - d. Style: _____.
 - e. Style: As per sample.
 - f. Style: As indicated on drawings.
 - g. Length: 8 feet.
4. Finish: Factory Coated by SilvaStar.
5. Finish: Proprietary Hybrid Alkyd Emulsion Primer (HAE) only.
6. Finish: Tinted (HAE) Primer only.
 - a. Color: _____.
 - b. Color: As per sample.
 - c. Color: As per drawings.

7. Finish: Factory Finish Top Coating.
 - a. Procedure: 1 coat, coated all 6 sides.
 - b. Procedure: 2 coats, coated all 6 sides.
 - c. Procedure: _____.
 - d. Procedure: As per sample.
 - e. Procedure: As indicated on drawings.
 - f. Paint Manufacturer: Benjamin Moore.
 - g. Paint Manufacturer: Sherwin Williams.
 - h. Paint Manufacturer: Akzo Nobel.
 - i. Paint Manufacturer: Duckback.
 - j. Paint Manufacturer: PPG.
 - k. Paint Manufacturer: PPI.
 - l. Paint Manufacturer: _____.
 - m. Brand: _____.
 - n. Paint Manufacturer/Brand: As per sample.
 - o. Paint Manufacturer/Brand: As indicated on drawings.
 - p. Color: SilvaWood Warm Pecan
 - q. Color: SilvaWood Ginger Snap
 - r. Color: SilvaWood Peanut Brittle
 - s. Color: SilvaWood Sea Salt Caramel
 - t. Color: SilvaWood Texas Toffee
 - u. Color: SilvaWood Butterscotch
 - v. Color: SilvaWood Chocolate Éclair
 - w. Color: SilvaWood Earl Grey Sorbet
 - x. Color: SilvaWood Butterscotch
 - y. Color: SilvaWood Chocolate Cloud
 - z. Color: SilvaWood Silver Macaron
 - aa. Color: SilvaWood Chocolate Mousse
 - bb. Color: _____.
 - cc. Color: As per sample.
 - dd. Color: As indicated on drawings.

C. Substrate: Fiber Cement Siding; Nichiha products as coated by SilvaStar.

1. Type: Horizontal Fiber Cement Siding; NichiBoard as coated by SilvaStar.
 - a. Style: Lap siding; 5-1/4 inches (133 mm wide).
 - b. Style: Lap siding; 6-1/4 inches (159 mm) wide. .
 - c. Style: Lap siding; 7-1/4 inches (185 mm) wide. .
 - d. Style: Lap siding; 8-1/4 inches (210 mm) wide. .
 - e. Style: Lap siding; 9-1/4 inches (235 mm) wide. .
 - f. Style: Lap siding; 12 inches (305 mm) wide. .
 - g. Style: _____.
 - h. Style: As per sample.
 - i. Style: As indicated on drawings.
 - j. Texture: Smooth.
 - k. Texture: Cedar.
 - l. Thickness: 5/16 inch (7.9 mm).
 - m. Length: 12 feet (3657 mm).
2. Type: Vertical Fiber Cement Siding; NichiPanel as coated by SilvaStar.
 - a. Style: Stucco Panel; 4 feet wide.
 - b. Style: Smooth Panel; 4 feet wide.
 - c. Style: Cedar Panel; 4 feet wide.
 - d. Style: Grooved Panel; 4 feet wide.
 - e. Style: _____.

- f. Style: As per sample.
- g. Style: As indicated on drawings.
- h. Length: 8 feet.
- i. Length: 9 feet.
- j. Length: 10 feet.
- 3. Finish: Factory Coated by SilvaStar.
- 4. Finish: Proprietary Hybrid Alkyd Emulsion Primer (HAE) only.
- 5. Finish: Tinted (HAE) Primer only.
 - a. Color: _____.
 - b. Color: As per sample.
 - c. Color: As per drawings.
- 6. Finish: Factory Finish Top Coating.
 - a. Procedure: 1 coat, coated all 6 sides.
 - b. Procedure: 2 coats, coated all 6 sides.
 - c. Procedure: _____.
 - d. Procedure: As per sample.
 - e. Procedure: As indicated on drawings..
 - f. Paint Manufacturer: Benjamin Moore.
 - g. Paint Manufacturer: Sherwin Williams.
 - h. Paint Manufacturer: Akzo Nobel.
 - i. Paint Manufacturer: Duckback.
 - j. Paint Manufacturer: PPG.
 - k. Paint Manufacturer: PPI.
 - l. Paint Manufacturer: _____.
 - m. Brand: _____.
 - n. Paint Manufacturer/Brand: As per sample.
 - o. Paint Manufacturer/Brand: As indicated on drawings.
 - p. Color: SilvaWood Warm Pecan
 - q. Color: SilvaWood Ginger Snap
 - r. Color: SilvaWood Peanut Brittle
 - s. Color: SilvaWood Sea Salt Caramel
 - t. Color: SilvaWood Texas Toffee
 - u. Color: SilvaWood Butterscotch
 - v. Color: SilvaWood Chocolate Éclair
 - w. Color: SilvaWood Earl Grey Sorbet
 - x. Color: SilvaWood Butterscotch
 - y. Color: SilvaWood Chocolate Cloud
 - z. Color: SilvaWood Silver Macaron
 - aa. Color: SilvaWood Chocolate Mousse
 - bb. Color: As per sample.
 - cc. Color: As indicated on drawings.

D. Substrate: Fiber Cement Siding; MaxiTile products as coated by SilvaStar.

- 1. Type: Horizontal Fiber Cement Siding; Maxi Lap as coated by SilvaStar
 - a. Style: Lap siding; 5-1/4 inches (133 mm wide).
 - b. Style: Lap siding; 6-1/4 inches (159 mm) wide. .
 - c. Style: Lap siding; 7-1/4 inches (185 mm) wide. .
 - d. Style: Lap siding; 8-1/4 inches (210 mm) wide. .
 - e. Style: Lap siding; 9-1/2 inches wide. .
 - f. Style: Lap siding; 12 inches (305 mm) wide. .
 - g. Style: _____.
 - h. Style: As per sample

- i. Style: As indicated on drawings.
 - j. Texture: Smooth.
 - k. Texture: Traditional.
 - l. Texture: _____.
 - m. Texture: As per sample.
 - n. Texture: As indicated on drawings.
 - o. Thickness: 5/16 inch (7.9 mm).
 - p. Length: 12 feet (3657 mm).
2. Type: Vertical Fiber Cement Siding: Maxi Panel as coated by SilvaStar.
 - a. Style: Stucco Panel; 4 feet wide.
 - b. Style: Smooth Panel; 4 feet wide.
 - c. Style: Traditional Panel; 4 feet wide.
 - d. Style: _____.
 - e. Style: As per sample.
 - f. Style: As indicated on drawings.
 - g. Length: 8 feet.
 - h. Length: 9 feet.
 - i. Length: 10 feet.
 3. Type: Shake Panel Fiber Cement Siding: MultiShake as coated by SilvaStar.
 - a. Style: Classic Cedar Straight Edge.
 - b. Style: Classic Cedar Staggered Edge.
 - c. Style: Combed Cedar Straight Edge.
 - d. Style: Combed Cedar Staggered Edge.
 - e. Style: _____.
 - f. Style: As per sample.
 - g. Style: As indicated on drawings.
 4. Finish: Factory Coated by SilvaStar.
 5. Finish: Proprietary Hybrid Alkyd Emulsion Primer (HAE) only.
 6. Finish: Tinted (HAE) Primer only.
 - a. Color: _____.
 - b. Color: As per sample.
 - c. Color: As per drawings.
 7. Finish: Factory Finish Top Coating.
 - a. Procedure: 1 coat, coated all 6 sides.
 - b. Procedure: 2 coats, coated all 6 sides.
 - c. Procedure: _____.
 - d. Procedure: As per sample.
 - e. Procedure: As indicated on drawings..
 - f. Paint Manufacturer: Benjamin Moore.
 - g. Paint Manufacturer: Sherwin Williams.
 - h. Paint Manufacturer: Akzo Nobel.
 - i. Paint Manufacturer: Duckback.
 - j. Paint Manufacturer: PPG.
 - k. Paint Manufacturer: PPI.
 - l. Paint Manufacturer: _____.
 - m. Brand: _____.
 - n. Paint Manufacturer/Brand: As per sample.
 - o. Paint Manufacturer/Brand: As indicated on drawings.
 - p. Color: SilvaWood Warm Pecan
 - q. Color: SilvaWood Ginger Snap
 - r. Color: SilvaWood Peanut Brittle
 - s. Color: SilvaWood Sea Salt Caramel

- t. Color: SilvaWood Texas Toffee
- u. Color: SilvaWood Butterscotch
- v. Color: SilvaWood Chocolate Éclair
- w. Color: SilvaWood Earl Grey Sorbet
- x. Color: SilvaWood Butterscotch
- y. Color: SilvaWood Chocolate Cloud
- z. Color: SilvaWood Silver Macaron
- aa. Color: SilvaWood Chocolate Mousse
- bb. Color: _____.
- cc. Color: As per sample.
- dd. Color: As indicated on drawings.

E. Substrate: Fiber Cement Siding; Allura products as coated by SilvaStar.

- 1. Style: _____.
- 2. Style: As per sample.
- 3. Style: As indicated on drawings.
- 4. Size: _____.
- 5. Size: As per sample.
- 6. Size: As indicated on drawings.
- 7. Texture: _____.
- 8. Texture: As per sample.
- 9. Texture: As indicated on drawings.
- 10. Length: Single lengths as applicable.
- 11. Finish: Factory Coated by SilvaStar.
- 12. Finish: Proprietary Hybrid Alkyd Emulsion Primer (HAE) only.
- 13. Finish: Tinted (HAE) Primer only.
 - a. Color: _____.
 - b. Color: As per sample.
 - c. Color: As per drawings.
- 14. Finish: Fire Protection. .
- 15. Finish: Factory Finish Top Coating.
 - a. Procedure: 1 coat, coated all 6 sides.
 - b. Procedure: 2 coats, coated all 6 sides.
 - c. Procedure: _____.
 - d. Procedure: As per sample.
 - e. Procedure: As indicated on drawings..
 - f. Paint Manufacturer: Benjamin Moore.
 - g. Paint Manufacturer: Sherwin Williams.
 - h. Paint Manufacturer: Akzo Nobel.
 - i. Paint Manufacturer: Duckback.
 - j. Paint Manufacturer: PPG.
 - k. Paint Manufacturer: PPI.
 - l. Paint Manufacturer: _____.
 - m. Brand: _____.
 - n. Paint Manufacturer/Brand: As per sample.
 - o. Paint Manufacturer/Brand: As indicated on drawings.
 - p. Color: SilvaWood Warm Pecan
 - q. Color: SilvaWood Ginger Snap
 - r. Color: SilvaWood Peanut Brittle
 - s. Color: SilvaWood Sea Salt Caramel
 - t. Color: SilvaWood Texas Toffee
 - u. Color: SilvaWood Butterscotch

- v. Color: SilvaWood Chocolate Éclair
- w. Color: SilvaWood Earl Grey Sorbet
- x. Color: SilvaWood Butterscotch
- y. Color: SilvaWood Chocolate Cloud
- z. Color: SilvaWood Silver Macaron
- aa. Color: SilvaWood Chocolate Mousse
- bb. Color: _____.
- cc. Color: As per sample.
- dd. Color: As indicated on drawings.

F. Substrate: Other as coated by SilvaStar.

1. Style: _____.
2. Style: As per sample.
3. Style: As indicated on drawings.
4. Size: _____.
5. Size: As per sample.
6. Size: As indicated on drawings.
7. Texture: _____.
8. Texture: As per sample.
9. Texture: As indicated on drawings.
10. Length: Single lengths as applicable.
11. Finish: Factory Coated by SilvaStar.
12. Finish: Proprietary Hybrid Alkyd Emulsion Primer (HAE) only.
13. Finish: Tinted (HAE) Primer only.
 - a. Color: _____.
 - b. Color: As per sample.
 - c. Color: As per drawings.
14. Finish: Fire Protection. .
15. Finish: Factory Finish Top Coating.
 - a. Procedure: 1 coat, coated all 6 sides.
 - b. Procedure: 2 coats, coated all 6 sides.
 - c. Procedure: _____.
 - d. Procedure: As per sample.
 - e. Procedure: As indicated on drawings..
 - f. Paint Manufacturer: Benjamin Moore.
 - g. Paint Manufacturer: Sherwin Williams.
 - h. Paint Manufacturer: Akzo Nobel.
 - i. Paint Manufacturer: Duckback.
 - j. Paint Manufacturer: PPG.
 - k. Paint Manufacturer: PPI.
 - l. Paint Manufacturer: _____.
 - m. Brand: _____.
 - n. Paint Manufacturer/Brand: As per sample.
 - o. Paint Manufacturer/Brand: As indicated on drawings.
 - p. Color: SilvaWood Warm Pecan
 - q. Color: SilvaWood Ginger Snap
 - r. Color: SilvaWood Peanut Brittle
 - s. Color: SilvaWood Sea Salt Caramel
 - t. Color: SilvaWood Texas Toffee
 - u. Color: SilvaWood Buttertart
 - v. Color: SilvaWood Chocolate Éclair
 - w. Color: SilvaWood Earl Grey Sorbet

- x. Color: SilvaWood Butterscotch
- y. Color: SilvaWood Chocolate Cloud
- z. Color: SilvaWood Silver Macaron
- aa. Color: SilvaWood Chocolate Mousse
- bb. Color: _____.
- cc. Color: As per sample.
- dd. Color: As indicated on drawings.

2.3 FINISH COATING SYSTEM

- A. Primer: Ultra low VOC Hybrid Alkyd Emulsion primer. Tinted where scheduled or required.
- B. Finish Coating: Hybrid Alkyd Emulsion (HAE). Polymer technology of alkyd-oil coating in a water emulsion providing environmental benefits. Borax for mold resistance and greater long-term appearance.
- C. System: Coated on all 6 six sides.
- D. Wood Appearance proprietary Two Coat System (SilvaWood Coatings).
- E. Custom Color Coating System (SilvaPlus Coatings).

2.4 FASTENERS

- A. Nails for Fiber Cement Siding with SilvaStar SilvaWood Coating: As recommended by fiber cement siding manufacturer.

PART 3 EXECUTION

3.1 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions including the following:
 1. Coordinate work with related trades; scribe and cope siding boards for accurate fit. Allow for installation of related work to avoid cutting and patching.
 2. Select siding boards of longest practical lengths. Discard boards that are warped, twisted, bowed, crooked or otherwise defective.
 3. Comply with siding manufacturer's and substrate manufacturer's installation instructions. Comply with local building codes and regulations.
 4. Apply touch up coating on surfaces and ends cut during installation.
 5. As work proceeds, maintain premises free of unnecessary accumulation of tools, equipment, surplus materials, and debris related to this work.
- B. Finish materials on all ends and sides and ends. Apply touch up coating on new cuts. Factory finishing is preferred.

3.3 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION