ørsted
Architectural Building Products

Specification Section – 07 46 00

Fiber Cement Siding Accessories

1) Part 1 – General

a. Summary

i. Section Includes
   1. 07 46 00 Siding
   2. 07 42 00 Wall Panels

ii. Related Sections
   1. 06 10 00 Rough Carpentry
   2. 06 16 00 Sheathing
   3. 07 25 00 Weather Barriers
   4. 07 44 56 Thermal & Moisture Protection
   5. 07 62 00 Sheet Metal Flashing & Trim
   6. 07 70 00 Roof & Wall Specialties & Accessories

b. References

i. ASTM B 221 Standard Specification for Aluminum and Aluminum Alloy Extruded Bars, Rods, Profiles, and Tubes
ii. AAMA 2603 Specification for Powder Coating

c. Submittals

i. Product Data
   1. Indicate product code, finish, description/usage
   2. Provide manufacturer's Project Cover Page
   3. Mark or provide manufacturer's specification page to include proposed products
   4. Provide manufacturer's material and finish samples
      a. Samples to be 10" length
      b. Color/Finish samples

d. Quality Assurance

i. Applicable standards
   1. Aluminum Association (AA)
   2. American Society for Testing & Materials (ASTM)
   3. American Architectural Manufacturers Association (AAMA)
ii. Allowable tolerances in horizontal planes

1. Variation from level - 1/8" in 10'

iii. Allowable tolerances in vertical planes

1. Variation from plumb - 1/8" in 10'; 1/4" maximum in any continuous wall, line, or surface

e. Delivery, Storage, & Handling

i. Stack accessories elevated from the ground. Provide continuous support to avoid sagging, warping, distortion, or surface damage

ii. Handle aluminum material in a manner that prevents damage to surfaces, edges, and ends. Reject and remove damaged material

iii. Cover aluminum material with lightweight protection to prevent dirt and other contaminants from accumulating on the surface

iv. Proper PPE should be used when receiving, transporting, and staging material

f. Warranty

i. Provide manufacturer's written limited warranty against defects in materials and workmanship for a period of 15 years

2) Part 2 – Products

a. Manufacturer

i. Acceptable Manufacturer

Orsted Architectural Building Products
www.orstedusa.com
6779 W. Targee Street
Boise, ID 83709
Patrick O'Neill - patrick@orstedusa.com - 404.376.0243
Jonathan Kurtz – jonathan@orstedusa.com - 404.431.9605

b. Finishes

i. Field Paintable

1. Factory applied baked on primer

ii. Powder Coat

1. Colors available per Orsted Architectural Building Products website and/or Product Brochure
2. Custom Colors
3. AAMA 2603

iii. Clear Anodized

1. Architectural 200R1 (AA-M12C22A21)
2. Thickness of anodic coating to be tested per ASTM B244-97

3. Anodic coating to pass modified die stain test per ASTM B136-84

iv. Color Anodized

1. Color available per Orsted Architectural Building Products website and/or Product Brochure

c. Profiles/ Reveals/ Channels

i. Horizontal

1. Acceptable Product Code - FbC-P-Hoz
2. Characteristics
   a. Description - Creates a straight and consistent horizontal design element with a six degree downward slope that captures the top edge of a 5/16" fiber cement panel
   b. Composition - 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

ii. Reveal Horizontal

1. Acceptable Product Code - FbC-P-Reveal Hoz
2. Characteristics
   a. Description - Creates a straight and consistent horizontal design element with a six degree downward slope that captures the top edge of a 5/16" fiber cement panel
   b. Composition - 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings
3. Finish - Select from Section 2.B Finishes

iii. Drip Cap

1. Acceptable Product Code - FbC-Drip Cap
2. Characteristics
   a. Description - Creates a straight and consistent horizontal design element with a six degree downward slope that is used at door, window, and slab conditions
   b. Composition - 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

iv. Slim Drip Cap

1. Acceptable Product Code - FbC-Slim Drip Cap
2. Characteristics
   a. Description - Creates a straight and consistent horizontal design element with a six degree downward slope that is used at door, window, and slab conditions

b. Composition - 6063 T5 Aluminum Alloy
c. Dimensions and Design - As indicated on specification drawings

3. Finish – Select from Section 2.B Finishes

v. Starter
1. Acceptable Product Code - FbC-Starter
2. Characteristics
a. Description - Creates a straight and consistent horizontal design element with a six degree downward slope that is used as a starter profile or a transition from facia to soffit with 5/16" fiber cement panels
b. Composition - 6063 T5 Aluminum Alloy
c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

vi. Reveal Vertical
1. Acceptable Product Code - FbC-P-Reveal Vert
2. Characteristics
a. Description - Creates a straight and consistent vertical design element that is used to capture the edges of 5/16" fiber cement panels
b. Composition - 6063 T5 Aluminum Alloy
c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

vii. H Vertical
1. Acceptable Product Code - FbC-P-H Vert
2. Characteristics
a. Description - Creates a straight and consistent vertical design element that is used to capture the edges of 5/16" fiber cement panels
b. Composition - 6063 T5 Aluminum Alloy
c. Dimensions and Design - As indicated on specification drawings
3. Finishes – Select from Section 2.B Finishes

viii. Snap Reveal Vertical
1. Acceptable Product Code - FbC-P-Snap Reveal Vert
2. Characteristics
a. Description - Creates a straight and consistent two-piece vertical design element that is used to capture the edges of 5/16" fiber cement panels
b. Composition - 6063 T5 Aluminum Alloy

c. Dimensions and Design - As indicated on specification drawings

3. Finish – Select from Section 2.B Finishes

ix. Reveal Vertical Transition

1. Acceptable Product Code - FbC-T-Reveal Vert TR
2. Characteristics
   a. Description - Creates a straight and consistent vertical design element that is used to capture the edge of 5/16" fiber cement panel and 5/16" fiber cement lap siding
   b. Composition - 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

x. J Channel

1. Acceptable Product Code - FbC-P-J Channel
2. Characteristics
   a. Description - Creates a straight and consistent vertical or horizontal design element that captures the edge of a 5/16" fiber cement panel
   b. Composition - 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

xi. F Channel

1. Acceptable Product Code - FbC-P-F Channel
2. Characteristics
   a. Description - Creates a straight and consistent vertical or horizontal design element that captures the edge of a 5/16" fiber cement panel
   b. Composition - 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

xii. J Channel Lap

1. Acceptable Product Code - FbC-L-J Channel Lap
2. Characteristics
   a. Description - Creates a straight and consistent vertical or horizontal design element that captures the edge of a 5/16" fiber cement lap siding
   b. Composition - 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

xiii. X Outside Corner
    1. Acceptable Product Code - FbC-P-X OSC
    2. Characteristics
        a. Description - Creates a straight and consistent outside corner design element that captures edges of 5/16” fiber cement panels
        b. Composition - 6063 T5 Aluminum Alloy
        c. Dimensions and Design - As indicated on specification drawings
    3. Finish – Select from Section 2.B Finishes

xiv. Captured Outside Corner
    1. Acceptable Product Code - FbC-P-Captured OSC
    2. Characteristics
        a. Description - Creates a straight and consistent outside corner design element that captures edges of 5/16” fiber cement panels
        b. Composition - 6063 T5 Aluminum Alloy
        c. Dimensions and Design - As indicated on specification drawings
    3. Finish – Select from Section 2.B Finishes

xv. X Outside Corner Lap
    1. Acceptable Product Code - FbC-L-X OSC Lap
    2. Characteristics
        a. Description - Creates a straight and consistent outside corner design element that captures edges of 5/16” fiber cement lap siding
        b. Composition - 6063 T5 Aluminum Alloy
        c. Dimensions and Design - As indicated on specification drawings
    3. Finish – Select from Section 2.B Finishes

xvi. Captured Outside Corner Lap
    1. Acceptable Product Code - FbC-L-Captured OSC Lap
    2. Characteristics
        a. Description - Creates a straight and consistent outside corner design element that captures edges of 5/16” fiber cement lap siding
        b. Composition - 6063 T5 Aluminum Alloy
        c. Dimensions and Design - As indicated on specification drawings
    3. Finish – Select from Section 2.B Finishes

xvii. Outside Corner Transition
    1. Acceptable Product Code - FbC-T-X OSC TR
    2. Characteristics

a. Description - Creates a straight and consistent outside corner design element that is used to capture the edge of 5/16" fiber cement panel and 5/16" fiber cement lap siding
b. Composition - 6063 T5 Aluminum Alloy
c. Dimensions and Design - As indicated on specification drawings

3. Finish – Select from Section 2.B Finishes

xviii. Captured Inside Corner

1. Acceptable Product Code - FbC-P-Captured ISC
2. Characteristics
   a. Description – Creates a straight and consistent inside corner design element that captures edges of 5/16" fiber cement panels
   b. Composition – 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

xix. Sharp Inside Corner

1. Acceptable Product Code - FbC-P-Sharp ISC
2. Characteristics
   a. Description - Creates a straight and consistent inside corner design element that abuts the edges of 5/16" fiber cement panels
   b. Composition - 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

xx. Captured Inside Corner Lap

1. Acceptable Product Code - FbC-L-Captured ISC Lap
2. Characteristics
   a. Description - Creates a straight and consistent inside corner design element that captures edges of 5/16" fiber cement lap siding
   b. Composition - 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings
3. Finish – Select from Section 2.B Finishes

xxi. Captured Inside Corner Transition

1. Acceptable Product Code - FbC-T-Captured ISC TR
2. Characteristics
   a. Description - Creates a straight and consistent inside corner design element that captures edges of a 5/16" fiber cement panel and 5/16" fiber cement lap siding
   b. Composition - 6063 T5 Aluminum Alloy
   c. Dimensions and Design - As indicated on specification drawings

3. **Finish – Select from Section 2.B Finishes**

3) Part 3 – Execution

a. Installation

i. **Proper PPE should be used**
ii. **Review project submittals, packing slips, and contract documents to ensure the correct components are installed in the appropriate locations**
iii. **Perform a visual inspection of prior and adjacent trades' work prior to installation**
iv. **Install in accordance with building codes, siding manufacturer's best practice, and construction documents**
v. **Install in accordance with Orsted Architectural Building Products Best Practices**

b. Special Considerations

i. **Never install profiles in a manner where the aesthetic flange can accumulate moisture**
ii. **Profiles are not designed to replace flashings required by building codes, or contract documents**
iii. **Protect profiles from damage until date of substantial completion. Replace profiles that become damaged**
iv. **When cutting material to length, use a non-ferrous carbide blade with a high tooth count. Use of full-length material is recommended when possible**