SECTION 074646 – FIBER-CEMENT SIDING

PART 1 - GENERAL

1.1   SUMMARY

   A.   Section includes fiber-cement siding [**and**] [**soffit**].

   B.   Related Sections:

        1.   Section 061600 – Sheathing.
        2.   Section 076200 – Sheet Metal Flashing and Trim.
        3.   Section 079200 – Joint Sealants.

   C.   Industry Standards

             • ASTM (American Society for Testing and Materials)

1.2   PREINSTALLATION MEETINGS

   A.   Preinstallation Conference: Conduct conference at Project site.

1.3   ACTION SUBMITTALS

   A.   Product Data: For each type of product.

   B.   Samples: For fiber-cement siding [**and**] [**soffit**] including related accessories.

1.4   INFORMATIONAL SUBMITTALS

   A.   Product certificates.

   B.   Product test reports.

   C.   Sample warranty.

1.5   CLOSEOUT SUBMITTALS

   A.   Maintenance data.

1.6   QUALITY ASSURANCE

   A.   Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and to set quality standards for fabrication and installation.

        1.   Build mockup of typical wall area as shown on Drawings.
        2.   Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7   WARRANTY

    A.   Special Warranty: Manufacturer agrees to repair or replace products that fail in materials or workmanship within specified warranty period.

        1.   Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1   FIBER-CEMENT SIDING

    A.   General: ASTM C1186, Type A, Grade II, fiber-cement board, noncombustible when tested according to ASTM E136; with a flame-spread index of 25 or less when tested according to ASTM E84.

    B.   Labeling: Provide fiber-cement siding that is tested and labeled according to ASTM C1186 by a qualified testing agency acceptable to authorities having jurisdiction.

    C.   Nominal Thickness: Not less than 5/16 inch.

    D.   Horizontal Pattern: Boards [**5-1/4 inches**] [**6-1/4 to 6-1/2 inches**] [**7-1/4 to 7-1/2 inches**] [**8-1/4 to 8-1/2 inches**] [**9-1/4 to 9-1/2 inches**] wide in plain style.

        1.   Texture: [**Smooth**] [**Wood grain**].

    E.   Shingle Pattern: 48-inch-wide, straight-edge notched sheets with wood-grain texture.

    F.   Panel Texture: 48-inch-wide sheets with [**smooth**] [**stucco**] [**wood-grain**] texture.

    G.   Factory Priming: Manufacturer's standard acrylic primer.

2.2   FIBER-CEMENT SOFFIT

    A.   General: ASTM C1186, Type A, Grade II, fiber-cement board, noncombustible when tested according to ASTM E136; with a flame-spread index of 25 or less when tested according to ASTM E84.

    B.   Nominal Thickness: Not less than 5/16 inch.

    C.   Pattern: [**12-inch-**] [**16-inch-**] [**24-inch-**] wide sheets with [**smooth**] [**wood-grain**] texture.

    D.   Factory Priming: Manufacturer's standard acrylic primer.

2.3   ACCESSORIES

    A.   Siding Accessories, General: Provide starter strips, edge trim, outside and inside corner caps, and other items as recommended by siding manufacturer for building configuration.

    B.   Flashing: Provide aluminum flashing complying with *Section 076200 Sheet Metal Flashing and Trim* at window and door heads and where indicated.

       1.   Finish for Aluminum Flashing: Siliconized polyester coating <**Insert Finish**>.

   C.   Fasteners:

       1.   For fastening to wood, use [**siding nails**] [**ribbed bugle-head screws**] of sufficient length to penetrate a minimum of 1 inch into substrate.

       2.   For fastening to metal, use ribbed bugle-head screws of sufficient length to penetrate a minimum of 1/4 inch, or three screw-threads, into substrate.

       3.   For fastening fiber cement, use hot-dip galvanized fasteners.

   D.   Insect Screening for Soffit Vents: Aluminum, 18-by-16 mesh.

   E.   Continuous Soffit Vents: Aluminum, hat-channel shape.

       1.   Net-Free Area: [**4 sq. in./linear ft.**] [**6 sq. in./linear ft.**] [**8 sq. in./linear ft.**] <**Insert dimension**>.
       2.   Finish: [**Mill finish**] [**White paint**] [**Brown paint**] <**Insert requirement**>.

   F.   Round Soffit Vents: Stamped aluminum louvered vents, [**2 inches**] [**2-1/2 inches**] [**3 inches**] [**4 inches**] <**Insert dimension**> in diameter.

       1.   Finish: [**Mill finish**] [**White paint**] [**Brown paint**] <**Insert requirement**>.

PART 3 - EXECUTION

3.1 INSTALLATION

   A.   General: Comply with manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.

       1.   Install fasteners no more than 24 inches o.c.

   B.   Install joint sealants as specified in *Section 079200 Joint Sealants* and to produce a weathertight installation.

3.2 ADJUSTING AND CLEANING

   A.   Remove damaged, improperly installed, or otherwise defective materials and replace with new materials complying with specified requirements.

   B.   Clean finished surfaces according to manufacturer's written instructions and maintain in a clean condition during construction.

<p align="center">**END OF SECTION 074646**</p>