1. Section 074643   
   Composition Siding
   1. PART 1  GENERAL
      1. SUBMITTALS
         1. See Section 013000 - Administrative Requirements for submittal procedures.
         2. Product Data:  Submit manufacturer's data sheets on each product to be used, including:
            1. Manufacturer's requirements for related materials to be installed by others.
            2. Preparation instructions and recommendations.
            3. Storage and handling requirements and recommendations.
            4. Installation methods, including nail patterns.
      2. WARRANTY
         1. See Section 017800 - Closeout Submittals for additional warranty requirements.
   2. PART 2  PRODUCTS
      1. MANUFACTURERS
         1. Composition Siding:
      2. COMPOSITION SIDING
         1. Composition Siding:  Coextruded boards with recycled wood and plastic core,  polyethylene-based capping; stain-resistant, fade-resistant, and scratch-resistant.
            1. Application:  Horizontal board orientation, as indicated on drawings.
            2. Surface Texture:  ​Smooth​.
            3. Length:  12 feet, nominal.
            4. Width:  5-3/8 inches, nominal.
            5. Thickness:  15/16 inch, nominal.
            6. Color:  As selected by Architect from manufacturers full range of available colors.
         2. Trim Boards:
            1. Application:  Used as ​trim​ board.
            2. Length:  ​16 feet​, nominal.
            3. Width:  variable, nominal.
            4. Thickness:  ​.970 inch​, nominal.
            5. Surface Texture:  Match siding.
            6. Color:  As selected by Architect from manufacturers full range.
      3. PERFORMANCE REQUIREMENTS
         1. Structural Performance:  Comply with local building code in accordance with authorities having jurisdiction (AHJ) for wind load resistance requirements of project location.
      4. ACCESSORIES
         1. Clips and Anchors:  Provide as indicated in accordance with siding manufacturer; conceal unless otherwise indicated.
         2. Flashing:
   3. PART 3  EXECUTION
      1. EXAMINATION
         1. Examine substrate, clean and repair as required to eliminate conditions that would be detrimental to proper installation.
         2. Do not begin until unacceptable conditions have been corrected.
         3. If substrate preparation is responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
      2. INSTALLATION
         1. Install in accordance with manufacturer's instructions.
            1. Use trim details as indicated on drawings.
            2. Touch-up field cut edges before installing.
            3. Predrill screw holes if necessary to prevent breakage.
         2. Securely attach siding boards to furring, using fastener size, number, spacing, and minimum dimensions from board edges and ends in accordance with manufacturer’s recommendations.
            1. Cut and route siding boards using carbide-tipped blades to prevent frayed edge cuts.
            2. Predrill holes located less than 1-1/2 inches from ends of boards, 1 inch from board edges, and in siding boards 3 inches wide or less.
            3. Install fasteners perpendicular to siding substrates and flush with surface of board.
         3. Horizontal Board Orientation:
            1. Begin siding installation at lowest established level.
            2. Center butt joints over vertical furring, and as siding courses are added, stagger butt joints in a consistent stair-step manner.
            3. Install lengths of siding to span at least three furring members.
            4. Provide width of siding open joint at boards abutting ends in accordance with manufacturer’s instructions, as spacing dimensions are temperature dependent.
            5. Provide width of open joints and locations as indicated, and in accordance with manufacturer's instructions.
         4. Allow space for thermal movement between both ends of siding boards that butt against each other and trim.
         5. Do not install siding less than 6 inches from surface of ground nor closer than 1 inch to roofs, patios, porches, and other surfaces where water may collect.
2. END OF SECTION