

STANDARD SPECIFICATION
JANUARY 2010

DIVISION 7

SECTION 7H ALUMINUM SIDING

7H.01 GENERAL: Comply with all of the Contract Documents.

7H.02 SCOPE OF WORK: Refer to "Division Scope of Work"

7H.03 WORK NOT INCLUDED

- A. Caulking by Section 7D.
- B. Double Hung Aluminum Windows by Section 8C.

7H.04 ALUMINUM SIDING MATERIALS

- A. Aluminum siding shall be as manufactured by Alcoa Building Products or approved equal as determined by Architect/Engineer.
- B. Aluminum siding shall be of nominal thickness .024" with a tensile strength of 24,000 to 28,000 psi minimum and shall meet A.A.M.A. (Architectural Aluminum Manufacturers Association) Specifications No. 1402.02. Profile shall be 8" (exposure) horizontal clap board type. The back of each panel shall have corrosion resistive and bonding coating.
- C. A 3/8" expanded polystyrene foam insulation with corrosion resistant foil shall be laminated to the back of each panel. Insulation shall be notched every 3 1/2" to provide proper breathing for moisture and vapor removal. Each panel shall have 1/8" weep holes spaced at 17" on center at the bottom of the panel for vapor escape.
- D. Accessories:
 - Aluminum base line starter strips with nail holes 2" on center
 - Aluminum inside and outside corner posts
 - Aluminum J-channel and head flashing (window trim)
 - Aluminum nails 1 1/2" to 2" smooth shank. Trim nails 1" matching color
- E. Protective paint coating shall be an oil free polyester baked coating. Each panel shall be covered with a protective polyethylene film and shall have a limited 30 year, Pro-rated transferable warranty.
- F. Furring, hangers, nailers, etc., shall be new lumber S4S, well seasoned, air dried, No. 1 common Spruce and/or No. 2 common North Carolina Pine or any other species conforming to the requirements thereof of equivalent kind and quality.

7H.05 INSTALLATION AND WORKMANSHIP

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NOTE: BEFORE INSTALLING ALUMINUM SIDING, NAIL ALL LOOSE EXISTING SURFACE / MATERIALS AT WALLS SECURELY TO WOOD BACKING.

- A. Build-out (shim) low areas at plane of walls.
- B. Install 1" x 3" wood furring strips vertically, 16" on center.
- C. Remove non-fixed items (i.e., down spouts, window boxes, a clothes- line pulley, old hooks, nails, etc.) that would interfere with installation of new siding.
- D. Install starter strips and then each succeeding siding panel. Panels shall be staggered at the joints. No two vertical joints shall be closer than two courses.
- E. Aluminum siding shall be butted into corners and nailed into place allowing 1/16" space between post and siding for expansion purposes.
- F. Inside and outside corner post shall be placed prior to installing new siding, and shall extend 1/4" at top extended end shall be cut into 90 degrees folded flaps and nailed every 12" with proper size aluminum nails bottom end shall be left open. All posts shall be installed straight and true.
- G. Window sill extension (sides) shall be cut-off to allow "J"-trim to be installed. Fur out surfaces to provide a smooth even base for nailing. (1"x3" preservative-treated wood furring strips shall be used over brick or masonry). The wood preservative must be free of arsenate and other EPA listed hazardous compounds.
- H. Window build-out trim shall be installed allowing space for insulation.

7H.06 GUARANTEES

- A. Guarantee all items of work furnished and installed under this Section for (1) one year, in addition to manufacturer's standard warranties. All guarantees to be from the date, when **Final Certificate of Occupancy** is issued from Department of Buildings.

END OF SECTION