

Part 1 General**1.1 RELATED SECTIONS**

- .1 Division 01-General Requirements
- .2 Section 07 92 00 – Joint Sealants.

1.2 REFERENCES

- .1 American Society of Mechanical Engineers (ASME)
 - .1 ASME B18.6.3-2011, Machine Screws, Tapping Screws, and Metallic Drive Screws (Inch Series).
- .2 ASTM International
 - .1 ASTM D2369-10e1, Test Method for Volatile Content of Coatings.
 - .2 ASTM D2832-92(2011), Standard Guide for Determining Volatile and Nonvolatile Content of Paint and Related Coatings.
- .3 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-93.4-92, Galvanized and Aluminum-Zinc Alloy Coated Steel Siding Soffits and Fascia, Prefinished, Residential.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Division 01-General Requirements.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for metal siding and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
 - .1 Submit drawings stamped and signed by a professional engineer registered or licensed in the Province of Ontario, Canada.
 - .2 Indicate dimensions, profiles, attachment methods, schedule of wall elevations, trim and closure pieces, metal furring, and related work.
- .4 Samples:
 - .1 Submit duplicate 305 x 305 mm samples of siding material, of colour and profile specified.
- .5 Sustainable Design Submittals:
 - .1 Low-Emitting Materials:
 - .1 Submit listing of adhesives and sealants, paints and coatings used in building, comply with VOC and chemical component limits or restriction requirements.

1.4 QUALITY ASSURANCE

- .1 Test Reports: submit certified test reports showing compliance with specified performance characteristics and physical properties.
- .2 Certificates: submit product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials off ground, indoors, in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect metal siding from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.

Part 2 Products**2.1 STEEL CLADDING AND COMPONENTS**

- .1 Strip siding: to CAN/CGSB-93.4, Type Avertical, Classplain, Vic west AD300/SR, Ideal Roofing, urban accent panel with omitted stiffener rib; or approved alternative, to be approved by Departmental Representative siding assembly compatibility with existing to be verified by contractor before ordering siding material.
 - .1 Finish coating: Class F2S.
 - .2 Colour: to match existing selected by Departmental Representative.
 - .3 Gloss: To match existing.
 - .4 Thickness: 0.9 mm (20ga) base metal thickness.
 - .5 Backing: polystyrene 75 mm thick.
 - .6 Profile: 305, 38 mm deep to match preformed interlocking joints,. Hidden fastener type to be compatible with existing siding assembly contractor to verify before ordering siding material.

2.2 FASTENERS

- .1 Screws: ASME B18.6.3. Purpose made cadmium plated steel.

2.3 CAULKING

- .1 Sealants: in accordance with Section 07 92 00 - Joint Sealants.
 - .1 Test for acceptable VOC emissions in accordance with ASTM D2369 and ASTM D2832.

2.4 ACCESSORIES

- .1 Exposed trim: inside corners, outside corners, cap strip, drip cap, undersill trim, starter strip and window/door trim of same material, colour, gloss as cladding, with fastener holes pre-punched.
- .2 Provide metal furring channels as indicated, provide shop drawing stamped and signed by professional engineer registered or licensed in the province of Ontario, Canada.

Part 3 Execution**3.1 EXAMINATION**

- .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable in accordance with manufacturer's written instructions.
 - .1 Visually inspect substrate in presence of Departmental Representative.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

3.2 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

3.3 INSTALLATION

- .1 Install cladding in accordance with CGSB 93.5, and manufacturer's written instructions.
- .2 Install continuous starter strips, drip, cap, sill and window/door opening flashings as indicated.
- .3 Install outside corners, fillers and closure strips with carefully formed and profiled work.
- .4 Maintain joints in exterior cladding, true to line, tight fitting, hairline joints.
- .5 Attach components in manner not restricting thermal movement.
- .6 Caulk junctions with adjoining work with sealant. Do work in accordance with Section 07 92 00 - Joint Sealants.

3.4 PROTECTION

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by preformed metal siding installation.

END OF SECTION