

## **PART 1      GENERAL**

### **1.1      Related Sections**

- .1      Section 06 10 00 – Rough Carpentry.
- .2      Section 07 62 00 – Sheet Metal Flashing and Trim.
- .3      Section 07 92 00 - Joint Sealants.

### **1.2      References**

- .1      Canadian General Standards Board (CGSB)
  - .1      CAN/CGSB-11.3, Hardboard.
  - .2      CAN/CGSB-11.5, Hardboard, Precoated, Factory Finished, for Exterior Cladding.
  - .3      CAN/CGSB-11.6, Installation of Exterior Hardboard Cladding.
  - .4      CAN/CGSB-51.32, Sheathing, Membrane, Breather Type.
- .2      Canadian Standards Association (CSA)
  - .1      CSA B111, Wire Nails, Spikes and Staples.
  - .2      CSA O121, Douglas Fir Plywood.
  - .3      CSA O151, Canadian Softwood Plywood.
- .3      NLGA Standard Grading Rules for Canadian Lumber.

### **1.3      Submittals**

- .1      Product Data:
  - .1      Submit manufacturer's printed product literature, specifications and data sheet.
  - .2      Submit copies of WHMIS MSDS - Material Safety Data Sheets. Indicate VOC's for caulking materials during application and curing.
- .2      Submit duplicate 300 x 300 mm size profile specified.
- .3      Submit manufacturer's installation instructions.

### **1.4      Delivery, Storage And Handling**

- .1      Deliver, handle, store and protect materials in accordance with Section 01 61 00 – Common Product Requirements.
- .2      Deliver siding suitable packaged to avoid damage to finished surface.

- .3 Store in an unheated structure or under cover until application. Siding may be temporarily stored outside if at least 4 inches off the ground and on a flat, well drained surface protected from moisture with a shed pack or waterproof cover.

## **1.5 Quality Assurance**

- .1 Provide Certificate of Quality Compliance from siding manufacturer upon completion of fabrication.
- .2 Provide Certificate of Quality Compliance upon satisfactory completion of installation.

## **1.6 Warranty**

- .1 Warranty Period: 15 years against cracking, peeling, blistering, chalking, loss of coating adhesion, yellowing with age, and no damage caused by rinse cleaning surface dirt. Warranty to commence at date of Substantial Completion.

## **1.7 Measurement For Payment**

- .1 No measurement for payment is to be made under this section. Include costs in unit prices or lump sum for items in which this item is required.

# **PART 2 PRODUCTS**

## **2.1 Materials**

- .1 Clapboard Siding: Western Lodgepole Pine or Eastern Spruce (Pre-finished Cape Cod), No. 1 select or better grade, factory finished, saw texture, bevel profile, cove or V-joint pattern, free of large knots, knot holes, or loose knots: maximum moisture content of 12 percent. Size: 16 mm thickness, 150 mm width, 114 mm actual coverage. Moldings and trim: (Pre-finished Cape Cod) Western Lodgepole Pine or Eastern Spruce, No. 1 select or better grade, factory finished same as siding. Pre-finish color: Thermoplastic acrylic latex emulsion, factory coated under controlled environment conditions by a modified vacuum coat method, one prime coat and one finish coat, applied to all board surfaces, minimum 0.15 mm dry film thickness. Standard color or custom color from manufacturer's range of colors. Touch- Up Paint: Thermoplastic acrylic latex emulsion, same type and color as siding. Colour as selected by Departmental Representative .
- .2 Strapping: Softwood Lumber, kiln dried treated with brush applied wood preservative.
- .3 Nails: Mechanically galvanized, to securely and rigidly retain the work permanently in position, pre-finished baked on coating to match siding finish. Nails 64 mm long for siding and 83 mm for trims.

- .4 Exterior Sheathing Membrane: CAN/CGSB 51.32M, Spun bonded olefin sheeting, conforming to ASTM D3575, single ply laminated and coated.
- .5 Sealant: Thermoplastic type, color to exactly match siding.
- .6 Concealed Flashings: 0.4 mm thick galvanized steel.

## **2.2 Finish**

- .1 Pre-finish color: Thermoplastic acrylic latex emulsion, factory coated under controlled environment conditions by a modified vacuum coat method, one prime coat and one finish coat, applied to all board surfaces, minimum 0.15 mm dry film thickness.
  - .1 Siding color selected from standard colors available from manufacturers range of colors.
  - .2 Touch-Up Paint: Thermoplastic acrylic latex emulsion, same type and color as siding.

## **PART 3 EXECUTION**

### **3.1 Examination**

- .1 Verify that substrate surfaces and wall openings are ready to receive work.

### **3.2 Preparation**

- .1 Install metal flashing continuous over window and other openings. Secure in position tight to wall sheathing.
- .2 Install one layer of sheathing membrane horizontally on sheathed walls, weather lap edges and ends minimum 150 mm. Stagger vertical laps. Tape all edges.
- .3 Install strapping at 400 mm o.c.
- .4 Install siding starter strips, behind first row of siding.
- .5 Apply sealant around window, door and other opening frames.

### **3.3 Installation**

- .1 Install siding and accessories to manufacturer's instructions.
- .2 Install screen at bottom of base trim.
- .3 Install siding for natural watershed.
- .4 Install siding in straight aligned lengths, set level with plumb ends and corners.

- .5 Install hardboard to CGSB11-GP-6M and manufacturers' instructions.
- .6 Achieve siding joints no less than 800 mm apart in adjoining boards and distribute evenly over wall surface.
- .7 Miter external and internal corners: Install corner strips, closures, frieze boards skirt boards and trim.
- .8 Fasten siding securely to wood batten substrate.
- .9 Face nail 25 mm from bottom of siding board directly into wood strapping, drive nail head just flush with siding surface; do not indent or penetrate painted coating.

#### **3.4 Incidental Site Finishing**

- .1 Carefully set exposed nails flush with siding coating.
- .2 Touch-up blemished siding materials to match siding color.

#### **3.5 Cleaning**

- .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

**END OF SECTION**