

PART 1 - GENERAL

1.1 RELATED
REQUIREMENTS

- .1 Section 01 33 00 - Submittal Procedures.
- .2 Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
- .3 Section 06 10 00 - Rough Carpentry.
- .4 Section 06 20 00 - Finish Carpentry.
- .5 Section 07 62 00 - Sheet Metal Flashing and Trim.
- .6 Section 07 92 00 - Joint Sealants.
- .7 Section 08 11 00 - Metal Doors and Frames.

1.2 REFERENCES

- .1 American National Standards Institute (ANSI)
 - .1 ANSI A135.6-06, Hardboard Siding Standard.
- .2 ASTM International
 - .1 ASTM D 5116-10, Standard Guide For Small-Scale Environmental Chamber Determinations of Organic Emissions From Indoor Materials/Products.
- .3 American National Standards Institute (ANSI)
 - .1 ANSI A135.6, Hardboard Siding Standard.
- .4 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.
- .5 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-51.32, Sheathing, Membrane, Breather Type.
- .6 CSA International
 - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
 - .2 CSA O121-08, Douglas Fir Plywood.
 - .3 CSA O151-09, Canadian Softwood Plywood.
- .7 Environmental Choice Program (ECP)
 - .1 CCD-045-95, Sealants and Caulking Compounds.

1.2 REFERENCES
(Cont'd)

- .8 National Lumber Grading Authority (NLGA)
 - .1 NLGA Standard Grading Rules for Canadian Lumber 2010.

1.3 ACTION AND
INFORMATIONAL
SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for wood siding and include product characteristics, performance criteria, physical size, finish and limitations.
 - .2 Submit 2 copies of WHMIS MSDS in accordance with Section 01 35 29 - Health and Safety Requirements, 01 35 43 - Environmental Procedures. Indicate VOC's for caulking materials during application.

1.4 QUALITY
ASSURANCE

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

1.5 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.

1.6 DELIVERY,
STORAGE AND
HANDLING

- .1 Deliver, store and handle materials in accordance with Section and 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.

1.6 DELIVERY,
STORAGE AND
HANDLING
(Cont'd)

- .3 (Cont'd)
- .2 Store and protect siding from nicks, scratches, and blemishes.
- .3 Replace defective or damaged materials with new.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Engineered Wood Siding and Trims: 304.8 wide face with 110 plank Revele lap siding. .
- .2 Strapping: Softwood Lumber, kiln dried treated with brush applied wood preservative, size 38 mm x 89 mm spaced 400 mm o.c.
- .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, Spunbonded olefin sheeting, conforming to ASTM D3675, single ply laminated and coated.
- .5 Sealant: Thermoplastic type, color to exactly match siding.
- .6 Concealed Flashings: 0.4 mm thick galvanized steel.
- .7 Trims: Batten trim 114 mm wide supplied by siding manufacturer. Pre-finished.

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 Standard color or custom color from manufacturer's range of colors.
 - .2 Touch-up Paint: Thermoplastic acrylic latex emulsion, same type and color as siding.

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 Proceed with installation only after unacceptable conditions have been remedied.
- 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 PREPARATION .1 Install metal flashing continuous over window and other openings. Secure in position tight to wall sheathing.
- .2 Install strapping at 400 mm o.c.
 - .3 Install pre-fabricated starter strips.
 - .4 Apply sealant around window, door and other opening frames.
- 3.4 INSTALLATION .1 Install siding and accessories to manufacturer's instructions.
- .2 Install starter strip.
 - .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 manufacturer's instructions.
 - .6 Achieve siding joints no less than 800 mm apart adjoining boards and distribute evenly over wall surface.
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3.4 INSTALLATION
(Cont'd)

- .7 Install corner trims, battens, closures, etc.
- .8 Fasten siding securely to wood batten substrate. Ensure strapping is secured into the structural wood framing members a minimum of 64 mm of per siding manufacturer's specifications.
- .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.
- .10 Install metal drip flashing over door frame.

3.5 INCIDENTAL SITE
FINISHING

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

3.6 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
- .3 Waste Management: separate waste materials for reuse, disposal and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
 - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.

3.7 PROTECTION

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