

PART 1 - GENERAL

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| <u>1.1 SECTION INCLUDES</u> | .1 | Requirements for installation of lumber siding. |
| <u>1.2 RELATED SECTIONS</u> | .1 | Section 01 33 00 - Submittal Procedures. |
| <u>1.3 REFERENCES</u> | .2 | Canadian General Standards Board (CGSB).
.1 CAN/CGSB-51.32-[M77], Sheathing, Membrane, Breather Type. |
| | .3 | Canadian Standards Association (CSA International).
.1 CSA B111-[1974(R2003)], Wire Nails, Spikes and Staples.
.2 CSA O121-[M1978(R1998)], Douglas Fir Plywood.
.3 CSA O151-[M1978(R1998)], Canadian Softwood Plywood. |
| | .4 | Environmental Choice Program (ECP).
.1 CCD-045-[95], Sealants and Caulking Compounds. |
| | .5 | National Lumber Grades Authority (NLGA).
.1 NLGA Standard Grading Rules for Canadian Lumber [2003]. |
| <u>1.4 SUBMITTALS</u> | .1 | Product Data:
.1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures. |

- .2 Manufacturer's Instructions:
 - .1 Submit manufacturer's installation instructions.

1.5 QUALITY ASSURANCE

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

1.6 WASTE MANAGEMENT AND DISPOSAL

- .1 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .2 Collect and separate for disposal paper, plastic, polystyrene & corrugated cardboard packaging material for recycling.
- .3 Divert unused metal materials from landfill to metal recycling facility.

1.7 Government/Owner Supplied Materials

- .1 The following materials shall be supplied by the government/owner and installed by the contractor. Contractor shall supply all fasteners and tape required to install.
 - .1 Dwelling #1, three vinyl windows and SM board insulation (25mm x 600mm x 2400mm)
 - .2 Dwelling #2, four vinyl windows and SM board insulation (25mm x 600mm x 2400mm)

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Lumber siding: to NLGA Standard Grading Rules for Canadian Lumber.
 - .1 Bevel siding: Eastern White Pine, factory coated for harsh environment, colour - white, Rabbeted Bevel pattern, 150 mm width, similar or equal to GemThane performance plus

or Cape Cod.

- .2 Air space/drainage plane to be created using sill gasket material, 90 mm width, similar or equal to FoamSealR, installed vertically, 500 mm o.c.
- .3 Accessories: exposed trim, closures, cap pieces, starter board, etc. to be treated and supplied by siding manufacturer, colour white.
- .4 Exterior wall sheathing paper: to CAN/CGSB-51.32 single ply spun bonded olefin type (Tynar).
- .5 Fasteners: nails to CSA B111, stainless steel, colour to match siding (white) to be supplied by siding manufacturer, minimum length 65mm.
- .6 Sealants: as per manufacturer's instructions, all saw cuts & touch ups to be coated/treated as per manufacturers supplied material.
- .7 Flashing: Aluminum sheet. 0.81 mm or metallic-coated sheet steel, 0.56 mm, flashing colour - white.

PART 3 - EXECUTION

3.1 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.
- .2 Contractor to visit the site prior to ordering siding & trim materials to determine quantities required for the work.

3.2 INSTALLATION

- .1 Contractor shall make a labour allowance of 5% of total area for the removal and replacement of rotted wood board sheathing. Existing board sheathing materials 19 mm match and fit spruce lumber.
- .2 Install one layer sheathing paper horizontally by stapling, lapping edges 100 mm and taping all laps with Sheathing Tape.
- .3 Install 25 mm SM board insulation (owner supplied) with 50 mm galv. Roofing nails and tape all joints with Sheathing Tape.
- .4 Install drainage plane (sill plate gasket) vertically, 500 mm o.c. and extend to bottom of starter board.
- .5 Install sill flashings, wood starter strips, inside corner flashings, edgings and flashings over openings.
- .6 Fasten wood siding in straight, aligned lengths to sheathing at 500 mm on centre maximum using two nails at each fixing location. Stagger butt joints not less than 800 mm and distribute evenly over wall faces. Cut butt joints at 45 degrees. Seal cut surfaces with manufactures touch up material.

3.3 DWELLING # 1

- .1 Replace all siding and trims, approximate total area of walls to be covered - 140 m2, contractor to verify all siding and trim boards requirements prior to ordering materials.
- .2 Replace all rotted wood board sheathing encountered, notify DR if this area exceeds (7 m2) prior to proceeding.
- .3 Replace three (3) windows (government/owner) supplied on the front elevation (1-living room & 2-bedroom). Contractor is only

responsible for exterior work only for the reinstatement of these windows.

- .4 Contractor shall install Typar, SM insulation and siding & trim boards in accordance with manufactures instructions and all openings shall be flashed. Flashing shall extend from outside of trim boards to Typar sheathing paper.

3.4 DWELLING # 2

- .1 Replace all siding and trims on three sides as shown on drawing 1 of 3, approximate total area of walls to be covered - 65 m2, contractor to verify all siding and trim boards requirements prior to ordering materials.
- .2 Replace all rotted wood board sheathing encountered, notify DR if this area exceeds (3.5 m2) prior to proceeding.
- .3 Replace four (4) windows (government/owner) supplied Contractor is only responsible for exterior work only for the reinstatement of these windows.
- .4 Contractor shall install Typar, SM insulation and siding & trim boards in accordance with manufactures instructions and all openings shall be flashed. Flashing shall extend from outside of trim boards to Typar sheathing paper.