

Cape Spear Lightstation
Remediation/Risk Management
Cape Spear, NL

2016-08-20

PART 1 GENERAL

1.1 REFERENCES

- .1 Codes and standards referenced in this section refer to the latest edition thereof.
- .2 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.
- .3 Canadian Standards Association (CSA)
 - .1 CSA B111, Wire Nails, Spikes and Staples.
 - .2 CSA O121, Douglas Fir Plywood.
 - .3 CSA O151, Canadian Softwood Plywood.
- .4 NLGA Standard Grading Rules for Canadian Lumber.

1.2 SAMPLES

- .1 Submit samples as directed by Departmental Representative.
- .2 Submit duplicate 300 mm long sample of profile specified.

1.3 SHOP DRAWING

- .1 Submit product information, color options for selection by Departmental Representative, and installation instructions. Incorporate approved shop drawings in Operation and Maintenance Manual.

1.4 DELIVERY, STORAGE AND HANDLING

- .1 Deliver siding suitably packaged to avoid damage to finished surface.
- .2 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.

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1.5 QUALITY ASSURANCE

- .1 If requested, provide Certificate of Quality Compliance from siding manufacturer upon completion of fabrication.
- .2 If requested, provide Certificate of Quality Compliance upon satisfactory completion of installation.

1.6 WARRENTY

- .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 extend from date of Substantial Completion.

PART 2 PRODUCTS

2.1 MATERIALS

- .1 Clapboard Siding: Cape Cod or approved equal.
- .2 Moldings and trim: Western Lodgepole Pine or Eastern Spruce, No. 1 select or better grade, factory finished same as siding, as indicated on drawings.
- .3 Strapping: Softwood Lumber, kiln dried, pressure treated.
- .4 Nails: Cape Cod nails or mechanically galvanized (if approved by Departmental Representative), to securely and rigidly retain the work permanently in position (all pre-finished baked-on coatings to match siding finish).
- .5 Exterior Sheathing Membrane: CAN/CGSB 51.32m, Spun bonded olefin sheeting, conforming to ASTM D3575, single ply laminated and coated.
- .6 Sealant: thermoplastic, color to exactly match siding.

2.2 FINISH

- .1 Pre-finish color (white): 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 6 mil (0.15mm) dry film thickness.
 - .1 Standard color or custom color from manufacturer's range of colors.

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- .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 one layer of sheathing membrane horizontally on sheathed walls, weather lap edges and ends minimum 6 inches (150mm). Stagger vertical laps. Tape all edges.
- .2 Install strapping at 406 mm o.c., or as indicated on drawings.
- .3 Apply sealant around door and other opening frames.

3.3 INSTALLATION

- .1 Install siding and accessories to manufacturer's printed 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 Achieve siding joints no less than 32 inches (812 mm) apart in adjoining boards and distribute evenly over wall surface.
- .6 Miter external and internal corners: Install corner strips, closures, frieze boards skirt boards and trim.
- .7 Fasten siding securely to wood batten substrate.
- .8 Face nail 1 inch (25mm) 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.