

PART 1 GENERAL

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| <u>1.1 REFERENCES</u> | .1 | American Society for Testing and Materials International (ASTM) |
| | .1 | ASTM A123/A123M-02, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products. |
| | .2 | ASTM A653/A653M-06, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process. |
| | .2 | Canadian Standards Association (CSA International) |
| | .1 | CSA B111-1974 (R2003), Wire Nails, Spikes and Staples. |
| | .2 | CAN/CSA-G164-M92 (R2003), Hot Dip Galvanizing of Irregularly Shaped Articles. |
| | .3 | CSA O121-M1978 (R2003), Douglas Fir Plywood. |
| | .4 | CSA O141-05, Softwood Lumber. |
| | .5 | CSA O151-04, Canadian Softwood Plywood. |
| | .6 | CSA O153-M1980 (R2003), Poplar Plywood. |
| | .7 | CAN/CSA-O325.0-92 (R2003), Construction Sheathing. |
| | .3 | Health Canada/Workplace Hazardous Materials Information System (WHMIS) |
| | .1 | Material Safety Data Sheets (MSDS). |
| | .4 | National Lumber Grades Authority (NLGA) |
| | .1 | Standard Grading Rules for Canadian Lumber 2005. |
| <u>1.2 SUBMITTALS</u> | .1 | Submit Submittal submissions: in accordance with Section 01 33 00 - Submittal Procedures. |
| <u>1.3 QUALITY ASSURANCE</u> | .1 | Lumber identification: by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board. |
| | .2 | Plywood identification: by grade mark in accordance with applicable CSA standards. |

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| 1.4 DELIVERY,
STORAGE, AND
HANDLING | .1 | Waste Management and Disposal: |
| | .1 | Separate waste materials for recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal. |

PART 2 PRODUCTS

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| 2.1 LUMBER
MATERIAL | .1 | Lumber: unless specified otherwise, softwood, S4S, moisture content 19% or less in accordance with following standards: |
| | .1 | CAN/CSA-0141. |
| | .2 | NLGA Standard Grading Rules for Canadian Lumber. |
| | .2 | Furring, blocking, nailing strips, grounds, rough bucks, cants, curbs, fascia backing: |
| | .1 | S2S is acceptable for all work. |
| | .2 | Board sizes: "Standard" or better grade. |
| | .3 | Dimension sizes: "Standard" light framing or better grade. |
| | .4 | Post and timbers sizes: "Standard" or better grade. |

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| 2.2 PANEL
MATERIALS | .1 | Douglas fir plywood: to CSA 0121, standard construction. |
| | .1 | Urea-formaldehyde free. |
| | .2 | Canadian softwood plywood (CSP): to CSA 0151, standard construction. |
| | .1 | Urea-formaldehyde free. |

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| 2.3 ACCESSORIES | .1 | Nails, spikes and staples: to CSA B111. |
| | .2 | Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers. |
| | .3 | Proprietary fasteners: toggle bolts, expansion shields and lag bolts, screws and lead or inorganic fibre plugs, explosive actuated fastening devices, recommended for purpose by manufacturer. |

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| 2.4 FINISHES | .1 | Galvanizing: to CAN/CSA-G164 ASTM A653/A653M, use galvanized fasteners for exterior work |
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pressure- preservative treated lumber.

2.5 WOOD
PRESERVATIVE

- .1 Surface-applied wood preservative: clear or copper naphthenate or 5% pentachlorophenol solution, water repellent preservative.
- .2 Pentachlorophenol use is restricted to building components that are in ground contact and subject to decay or insect attack only. Where used, pentachlorophenol-treated wood must be covered with two coats of an appropriate sealer.
- .3 Structures built with wood treated with pentachlorophenol and inorganic arsenicals must not be used for storing food nor should the wood come in contact with drinking water.

PART 3 EXECUTION

3.1 PREPARATION

- .1 Treat surfaces of material with wood preservative, before installation.
- .2 Apply preservative by dipping, or by brush to completely saturate and maintain wet film on surface for minimum 3 minute soak on lumber and one minute soak on plywood.
- .3 Re-treat surfaces exposed by cutting, trimming or boring with liberal brush application of preservative before installation.
- .4 Treat material as indicated as follows :
 - .1 Wood cants, fascia backing, curbs, nailers.
 - .2 Wood furring on outside surface of exterior masonry and concrete walls.

3.2 INSTALLATION

- .1 Comply with requirements of NBC, supplemented by the following paragraphs.
- .2 Install furring and blocking as required to space-out and support, wall and ceiling finishes, facings, fascia, soffit, and other work as required.
- .3 Align and plumb faces of furring and blocking

to tolerance of 1:600.

- .4 Install rough bucks, nailers and linings to rough openings as required to provide backing for frames and other work.
- .5 Install wood cants, fascia backing, nailers, curbs and other wood supports as required and secure using galvanized steel fasteners.
- .6 Install wood backing, dressed, tapered and recessed slightly below top surface of roof insulation for roof hopper.
- .7 Use caution when working with particle board. Use dust collectors and high quality respirator masks.

3.3 ERECTION

- .1 Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
- .2 Countersink bolts where necessary to provide clearance for other work.

3.4 SCHEDULES

- .1 Provide electrical equipment backboards for mounting electrical equipment as indicated. Use 19 mm thick plywood on 19 x 38 mm furring around spacing, perimeter and at maximum 300 mm intermediate.