

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 General Requirements Division 1
- .2 Sheet Vapour Retarders Section 07 26 00

1.2 REFERENCES

- .1 American National Standards Institute (ANSI)
 - .1 ANSI A208.1-1999, Particleboard, Mat Formed Wood.
- .2 American Society for Testing and Materials (ASTM)
 - .1 ASTM A 36/A 36M-94, Specification for Structural Steel.
 - .2 ASTM A 653/A 653M-94, Specification for Sheet Steel, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvaneal) by the Hot Dip Process.
 - .3 ASTM D 1761-88, Standard Test Methods for Mechanical Fasteners in Wood.
- .3 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-11.3-M87, Hardboard.
 - .2 CAN/CGSB-51.32-M77, Sheathing, Membrane, Breather Type.
 - .3 CAN/CGSB-51.34-M86, Vapour Barrier, Polyethylene Sheet for Use in Building Construction.
 - .4 CAN/CGSB-71.26-M88, Adhesive for Field-Gluing Plywood to Lumber Framing for Floor Systems.
- .4 Canadian Standards Association (CSA)
 - .1 CAN/CSA-A82.27-M91, Gypsum Board.
 - .2 CSA-A123.2-M1979(R1992), Asphalt Coated Roofing Sheets.
 - .3 CAN/CSA-A247-M86, Insulating Fiberboard.
 - .4 CSA-B111-1974, Wire Nails, Spikes and Staples.
 - .5 CAN/CSA-G164-M92, Hot Dip Galvanizing of Irregularly Shaped Articles.
 - .6 CSA-O112 Series-M1977, CSA Standards for Wood Adhesives.
 - .7 CSA O121-M1978, Douglas Fir Plywood.
 - .8 CAN/CSA-O141-91, Softwood Lumber.
 - .9 CSA-O151-M1978, Canadian Softwood Plywood.
 - .10 CSA-O153-M1980, Poplar Plywood.
 - .11 CAN/CSA-O325.0-92, Construction Sheathing.
 - .12 CAN3-O437 Series-93, Standards on OSB and Waferboard.

1.3 QUALITY ASSURANCE

- .1 Lumber identification: by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
- .2 Plywood, particleboard, OSB and wood based

composite panels in accordance with CSA and ANSI standards.

PART 2 - PRODUCTS

2.1 FRAMING AND STRUCTURAL MATERIALS

- .1 Factory treated wood with water-based combination of polymer resins and PMRA-Health Canada/EPA-registered actives that provide broad spectrum protection against mould as determined by AWPA-E24-12 Standard. P6980 is a topical surface coating applied (in accordance to "Direction of Use") label via a flood coat technology and/or hand brushed (two liberal coats) to obtain coating thickness of 6 mil (wet basis).
 - .1 Form and Appearance: White Viscous Liquid
 - .2 Appearance on Wood: Semi-Transparent Blue (when combined with P-6979-1)
 - .3 Gloss: Flat
 - .4 Odor: Low
 - .5 Specific Gravity: (g/cm3), 1.020-1.030
 - .6 pH: 8.0 - 8.5
 - .7 Viscosity: High viscosity 30-35 Z#5
 - .8 Solvents: low
 - .9 Solid Content: 22% +/-0.5%
 - .10 Freezing Point: -1° C (31° F)
 - .11 Diluent: Water
 - .12 Cleanup: Soap & Water
 - .13 Drying Time (to touch) @ 21° C and 50% relative humidity - 30 min. max
 - .14 Wet Film Thickness: 6 wet Mils/US gal
 - .15 Coverage: 250-280 sq. ft. /US gal
 - .16 Longer drying time needed in high humidity or at low temperature
 - .17 VOC (g/l): Actual - 15, Regulatory - 71
- .1 Preserved Plywood panels: to CAN/CSA-S-406.

2.2 PANEL MATERIALS

2.3 ACCESSORIES

- .1 Polyethylene film: to CAN/CGSB-51.34, Type 1, 0.15 mm thick.
- .2 Sealants See Section 07900
- .3 General purpose adhesive: to CSA-O112 Series.
- .4 Nails, spikes and staples: to CSA-B111.
- .5 Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.
- .6 Proprietary fasteners: toggle bolts, expansion shields and lag bolts, screws and lead or inorganic fiber plugs, explosive actuated

fastening devices, recommended for purpose by manufacturer.

- .7 Nailing discs: flat caps, minimum 25 mm diameter, minimum 0.4 mm thick, sheet metal, fiber, formed to prevent dishing. Bell or cup shapes not acceptable.

2.4 FASTENER FINISHES

- .1 Galvanizing: to CAN/CSA-G164, use galvanized fasteners for exterior work interior highly humid areas and pressure-preservative treated lumber.

2.5 WOOD PRESERVATIVE

- .1 Factory applied 2 part coating: to CSA-080 Series, water borne finish.
 - .1 Treat surfaces of material with wood preservative, before installation of cut/exposed pressure treated wood edges
 - .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 all material as indicated as follows:
 - .1 Wood, nailers and blocking for exterior wall openings.
 - .2 Wood fascia backing, curbs, nailers on roof deck.

PART 3 - EXECUTION

3.1 PREPARATION

- .1 Store wood products.

3.2 INSTALLATION

- .1 Comply with requirements of NBC 2010 Part 9 supplemented by following paragraphs.
- .2 Install members true to line, levels and elevations, square and plumb.
- .3 Construct continuous members from pieces of longest practical length.
- .4 Install plywood wall sheathing in accordance with manufacturer's printed instructions.
- .5 Install furring and blocking as required to space-out and support casework, cabinets, wall and ceiling finishes, facings, fascia, soffitt, siding electrical equipment mounting boards, and other work as required.
- .6 Install furring to support siding applied vertically where there is no blocking and where sheathing is not suitable for direct nailing.
 - .1 Align and plumb faces of furring and

blocking to tolerance of 1:600.

- .7 Install rough bucks, nailers and linings to rough openings as required to provide backing for frames and other work.
- .8 Install fascia backing, nailers, curbs and other wood supports as required and secure using galvanized fasteners.

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 Use nailing disks for soft sheathing as recommended by sheathing manufacturer.

END OF SECTION