

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 07 21 13 – Board Insulation.
- .2 Section 07 27 10 – Air Barriers.
- .3 Section 07 27 13 – Self-Adhered Vapour Retarders.
- .4 Section 09 21 16 – Gypsum Board Assemblies.

1.2 REFERENCES

All reference standards shall be current issue or latest revision at the date of building permit issue. This specification refers to the following standards, specifications or publications:

- .1 American Society for Testing and Materials (ASTM)
 - .1 ASTM A 653/A653M, Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvanealed) by the Hot-Dip Process.
 - .2 ASTM C 36/C36M, Specification for Gypsum Wallboard.
- .2 Canadian Standards Association (CSA)
 - .1 CSA B111, Wire Nails, Spikes and Staples.
 - .2 CSA O121, Douglas Fir Plywood.
 - .3 CAN/CSA-O141, Softwood Lumber.
 - .4 CSA O151, Canadian Softwood Plywood.
- .3 National Lumber Grades Authority (NLGA)
 - .1 Standard Grading Rules for Canadian Lumber.

1.3 QUALITY ASSURANCE

- .1 Lumber 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.

1.4 WASTE MANAGEMENT AND DISPOSAL

- .1 Set aside damaged wood and dimensional lumber off-cuts for approved alternative uses (e.g. bracing, blocking, cripples, bridging). Store this separated reusable wood waste convenient to cutting station and area of work.
- .2 Do not burn scrap at the project site.

PART 2 - PRODUCTS

2.1 PANEL MATERIALS

- .1 Plywood, OSB and wood based composite panels: to CAN/CSA-O325.0.
- .2 Douglas fir plywood (DFP): to CSA O121, standard construction.

2.2 ACCESSORIES

- .1 Exterior wall sheathing paper: to CAN/CGSB-51.32 spunbonded olefin type as indicated. Standard of Acceptance: Tyvek® CommercialWrap®
- .2 Sealants: as per Section 07 92 10 - Joint Sealing.
- .3 General purpose adhesive: to CSA O112 Series.
- .4 Nails, spikes and staples: to CSA B111.
- .5 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.

2.3 FASTENER FINISHES

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

PART 3 - EXECUTION

3.1 PREPARATION

- .1 Store wood products such that they are not exposed to rainfall and ground moisture.

3.2 INSTALLATION

- .1 Comply with requirements of Manitoba Building Code supplemented by following paragraphs.
- .2 Install members true to line, levels and elevations, square and plumb.
- .3 Install furring and blocking as required to space-out and support casework, cabinets, wall and ceiling finishes, facings, fascia, soffit, siding, electrical equipment mounting boards, and other work as required.
- .4 Use dust collectors and high quality respirator masks when cutting or sanding wood panels.

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 Electrical equipment mounting boards:
 - .1 Plywood, DFP or CSP, G1S grade, square edge 19 mm thick, painted grey.

End of Section