

PART 1 - GENERAL

1.1 RELATED REQUIREMENTS

- .1 Section 07 52 00 – Modified Bituminous Membrane.
- .2 Section 07 62 00 Sheet Roofing Metal Flashing and Trim.

1.2 REFERENCES

- .1 ASTM International
 - .1 ASTM A123/A123M-17, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
 - .2 ASTM A653/A653M-19a, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvanealloyed) by the Hot-Dip Process.
- .2 Canadian General Standards Board (CGSB)
 - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
 - .2 CSA O121-17, Douglas Fir Plywood.
 - .3 CSA O141-05(R2014), Softwood Lumber.
 - .4 CSA O151-17, Canadian Softwood Plywood.
 - .5 CSA O325-16, Construction Sheathing.
- .3 National Lumber Grades Authority (NLGA)
 - .1 Standard Grading Rules for Canadian Lumber 2010.

1.3 QUALITY ASSURANCE

- .1 Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
- .2 Plywood panels in accordance with CSA and ANSI standards.

1.4 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials off ground indoors and in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect wood from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.

PART 2 - PRODUCTS

2.1 FRAMING STRUCTURAL AND PANEL MATERIALS

- .1 Lumber: softwood, S4S, moisture content 19% or less in accordance with following standards:
 - .1 CSA O141.
 - .2 NLGA Standard Grading Rules for Canadian Lumber.
- .2 Furring, blocking, nailing strips, grounds, rough bucks, cants, curbs, and sleepers:
 - .1 Use S4S material.
 - .2 Board sizes: "Standard" or better grade.
 - .3 Dimension sizes: "Standard" light framing or better grade.
- .3 Plywood: to CSA O325.
- .4 Douglas fir plywood (DFP): to CSA O121, standard construction.
- .5 Canadian softwood plywood (CSP): to CSA O151, standard construction.

2.2 ACCESSORIES

- .1 Sealants: in accordance with Section 07 92 00 - Joint Sealants.
- .2 Nails, spikes, and staples: to CSA B111.
- .3 Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.
- .4 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.
- .5 Fastener Finishes:
 - .1 Galvanizing: to hot dipped galvanizing with min. 600g. zinc/m² CAN/CSA G164, use galvanized fasteners for exterior work treated lumber.
- .6 Wood Preservative:
 - .1 Preservative Coating: in accordance with manufacturer's recommendations for surface conditions:
 - .1 Preservative: VOC limit 350g/L maximum.
 - .2 Coatings: VOC limit 650 g/L maximum.

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 three 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 follows:
 - .1 Wood cants, fascia backing, curbs, nailers, and sleepers on roof deck.

3.2 MATERIAL USAGE

- .1 Plywood, DFP sheathing grade square edge, thickness as indicated.

3.3 INSTALLATION

- .1 Install members true to line, levels, and elevations, square and plumb.
- .2 Construct continuous members from pieces of longest practical length.
- .3 Select exposed framing for appearance. Install lumber panel materials so that grade-marks and other defacing marks are concealed or are removed by sanding where materials are left exposed.
- .4 Install furring and blocking as required to space-out and support, wall and ceiling finishes, facings, electrical equipment mounting boards, and other work as required.
- .5 Install rough bucks, nailers, and linings to rough openings as required to provide backing for frames and other work.
- .6 Install wood cants, nailers, curbs, and other wood supports as required and secure using galvanized fasteners.
- .7 Install sleepers as indicated.
- .8 Use dust collectors and high-quality respirator masks when cutting or sanding wood panels.
- .9 Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
- .10 Countersink bolts where necessary to provide clearance for other work.

3.4 CLEANING

- .1 Progress Cleaning:
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools, and equipment.

3.5 PROTECTION

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by rough carpentry installation.

-END OF SECTION-