Part 1 General

1.1 REFERENCES

.1 CSA International

.1 CAN/CSA 080 Series - 08 (R2012), Wood Preservation.

.2 CSA 0121 - 08 (R2013), Douglas Fir Plywood.

.3 CSA-O141-05 (R2009) - Softwood Lumber.

.4 CSA 0151 - 09, Canadian Softwood Plywood.

.5 CSA 0153 - 13, Poplar Plywood.

.6 CSA 0437 Series - 93 (R2011), Standards on OSB and Waferboard.

.7 National Lumber Grades Authority (NGLA), Standard Grading Rules for Canadian Lumber, 2010 edition.

.8 CSA 0151, CSA 0121, CSA 0153, CSA 0437, CSA G164-M92, and CSA 080.15

1.2 ACTION AND INFORMATIONAL SUBMITTALS

.1 Submit in accordance with Section 01 11 00 – General Requirements.

.2 Product Data:

.1 Submit manufacturer's instructions, printed product literature and data sheets for wood products and accessories and include product characteristics, performance criteria, physical size, finish and limitations.

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 DELIVERY, STORAGE AND HANDLING

.1 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.

.2 Storage and Handling Requirements:

.1 Protect materials from weather upon delivery to job site.

.2 Store materials on raised supports. Cover materials with waterproof covering. Provide adequate air circulation and ventilation.

.3 Do not store seasoned materials in wet or damp areas.

.3 Packaging Waste Management: remove for reuse and return by manufacturer of pallets, crates, padding, packaging materials.

Part 2 Products

2.1 FRAMING STRUCTURAL AND PANEL MATERIALS

.1 Lumber: to CAN/CSA 0141, softwood, S-P-F, S4S, surface-dry, graded and stamped in accordance with current National Lumber Grades Authority (NLGA) Standard Grading Rules for Canadian Lumber.

.1 Moisture Content: maximum 19% at time of installation.

.2 Finger jointed lumber is not acceptable.

.2 Framing and Board Lumber: in accordance with NBC and as specified in schedules.

.3 Furring, Blocking, Nailing Strips, Grounds, Rough Bucks, Cants, Curbs Fascia Backing and Sleepers: S4S, "Standard" or better grade for board, post and timber sizes, "Standard" light framing or better for dimension sizes.

.4 Canadian Softwood Plywood: to CSA 0151.

.5 Douglas Fir Plywood: to CSA 0121.

.6 Poplar Plywood: to CSA 0153, standard construction.

.7 Oriented Strand Board: to CSA 0437.0.

2.2 ACCESSORIES

.1 Nails and Spikes:

.1 Use common spiral nails and spiral spikes except where indicated otherwise.

.2 Use hot dip galvanized finished steel for exposed exterior work, highly humid interior areas and for pressure - preservative and fire-retardant treated lumber.

.2 Bolt, nut, washer, screw and pin type fasteners: hot dip galvanized finish to CSA G164-M92.

.3 Surface applied wood preservative: copper napthanate base or pentachlorophene, prepared in accordance with CSA O80.15, coloured green.

.4 Sealing Tape: minimum 60 mm width, polypropylene sheathing tape with acrylic adhesive, or duct tape of same width.

Part 3 Execution

3.1 EXAMINATION

.1 Verification of Conditions: verify conditions of substrates previously installed under other Sections or Contracts are acceptable for product installation in accordance with manufacturer's written instructions.

.1 Visually inspect substrate in presence of Consultant.

.2 Inform Consultant of unacceptable conditions immediately upon discovery.

.3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Consultant.

3.2 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.

3.3 WOOD FURRING AND BLOCKING

.1 Provide wood furring and blocking at locations indicated on drawings and as specified.

3.4 CARPENTRY IN CONNECTION WITH ROOFING

.1 Carefully remove existing flashing, and trim neatly as required to suit new details in order to install panel facing and roof membrane applications.

.2 Replace deteriorated wood blocking at the discretion of the Consultant with materials of the same style, type, and dimensions.

3.5 SCHEDULE OF DIMENSION LUMBER

.1 Non-structural wall components, spruce species, and construction grade.

3.6 CLEANING

.1 Progress Cleaning: leave Work area clean at end of each day.

.2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment.

.3 Waste Management: separate waste materials for reuse and recycling.

.1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.

3.7 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