

1.1 General

1.2 REFERENCE STANDARDS

- .1 ASTM International (ASTM).
  - .1 ASTM F1667-18a, Standard Specification for Driven Fasteners: Nails, Spikes, and Staples.
- .2 Canadian Standards Association (CSA).
  - .1 CSA O151-17, Canadian Softwood Plywood.

1.3 QUALITY CONTROL

- .1 Lumber identification: by grade stamp in accordance with the regulation of the Maritime Lumber Bureau grading rules.
- .2 Plywood identification: by grade stamp in accordance with applicable CSA standard.

1.4 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver, store, and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Store materials on site in such a way as to prevent damage, deterioration, or the loss or impairment of their structural and other essential properties. Replace defective or damaged materials with new.

1.5 JOB CONDITIONS

- .1 Check job dimensions governing required openings, curb heights, blocking, roughing-in, and fabrication of shop-made components.
- .2 Examine site conditions and surfaces for defects of work which may adversely affect the quality of workmanship of this section.
- .3 Commencement of work shall imply acceptance of surfaces.
- .4 Be responsible for obtaining all required field dimensions.

2 Products

2.1 FURRING AND BLOCKING

- .1 Furring, blocking, nailing strips, grounds, rough bucks, curbs, fascia backing and sleepers:
  - .1 Board sizes: "Standard" or better grade.
  - .2 Dimension sizes: "Standard" light framing or better grade.

2.2 PANEL MATERIALS AND APPLICATIONS

- .1 Softwood plywood: to CSA O151; square edge unless noted otherwise.
  - .1 Select grade for roof curbs/parapets.
  - .2 Sheathing grade as noted.

## 2.3 ACCESSORIES

- .1 Nails, spikes, and staples: to ASTM F1667 and as noted.
- .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, powder actuated fastening devices, recommended for purpose by manufacturer.
- .4 Surface-applied wood preservative: copper naphthenate, green coloured, water repellent preservative.

## 2.4 STORAGE CABINET

- .1 Storage cabinet: 914 mm W x 780 mm H x 350 mm D; wall mounted, two solid doors, complete with hardware. Construct from prefinished steel, factory painted white.
- .2 Locate where directed by Departmental Representative.

## 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 Departmental Representative.
  - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
  - .3 Proceed with installation only after unacceptable conditions have been remedied.

### 3.2 FRAMING INSTALLATION

- .1 Install members true to line, levels, and elevations, square and plumb.
- .2 Construct continuous members from pieces of longest practical length.
- .3 Install spanning members with "crown-edge" up.
- .4 Select exposed framing for appearance. Install lumber and panel materials so that grade-marks and other defacing marks are concealed or are removed by sanding where materials are left exposed.
- .5 Frame, anchor, fasten, tie, and brace members to provide necessary strength and rigidity.
- .6 Countersink bolts where necessary to provide clearance for other work.
- .7 Where power driven nails are used, increase number of fasteners by 50% (decrease spacing by 1/3). Use same nail diameter.

### 3.3 FURRING AND BLOCKING

- .1 Install furring, strapping, and blocking to space-out and support casework, cabinets, wall and ceiling finishes, facings, fascia, soffit, siding, electrical equipment mounting boards, and other work.
- .2 Install rough bucks, blocking, nailers, and linings for attachment of all items such as finished carpentry work, handrails, windows, specialties, washroom accessories, and miscellaneous accessories.

### 3.4 SURFACE-APPLIED PRESERVATIVE TREATMENT

- .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 Retreat surfaces exposed by cutting, trimming, boring, etc., with a liberal application of brush-applied preservative before installation.
- .4 Treat wood members in contact with masonry or concrete.

### 3.5 CLEANING

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

### 3.6 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