

PART 1 GENERAL

1.1 REFERENCE

- .1 Comply with the General Conditions of the Contract, Supplementary General Conditions and the requirements of Division 1.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- .1 Unit Masonry Section 04200
- .2 Finish Carpentry Section 06200
- .3 Roofing Section 07530
- .4 Supply of Hollow Metal Work Section 08100
- .5 Supply of Wood Doors Section 08200
- .6 Finish Hardware Section 08710
- .7 Supply of Coat Rack Section 10900

1.3 SCOPE OF WORK INCLUDED

- .1 Work includes but is not limited to the supply and installation of parapet blocking and plywood, the installation of wood / steel doors and coat racks, the supply and installation of the wood privacy fencing, the supply and installation of plywood in all mechanical / electrical rooms necessary for the mounting of mechanical and electrical / data / voice systems.

1.4 SUBMITTALS

- .1 Submit shop drawings in accordance with Section 01340.
- .2 Show details of fixing and joining and, where methods indicated by Consultant can be improved upon, show such changes but maintain Consultant's lines, levels and profiles.

1.5 PROTECTION

- .1 Protect installed hardware from damage and blemishes.

1.6 WARRANTY

- .1 Provide a Warranty as stipulated in the General Conditions, from the date of final completion and acceptance of the Work. Warranty shall be signed by both manufacturer and installer.

- .2 Warranty will cover defects and shall include but not be limited to departure from Specifications and drawings, delamination, warping, bubbling, colour change of veneers and/or plastic laminate work. Deterioration, warping of cores and other defects detrimental to appearance and/or use of the fabricated product.

1.7 PRODUCT DELIVERY, STORAGE AND HANDLING

- .1 Accept delivery of hardware, doors, and frames. Arrange for proper sequence and scheduling of delivery so as not to delay the progress of the Work. Prevent materials not reasonably required from accumulating.
- .2 Inspect wood doors and hardware for damage which cannot be readily corrected.
- .3 Provide dry storage areas. Stack materials with 6" minimum clearance of the floor.
- .4 Protect fire-retardant materials against high humidity and moisture.

1.8 JOB CONDITIONS

- .1 Field Dimension - take field dimensions and fabricate work to suit field dimensions.

PART 2 PRODUCTS

2.1 MATERIALS

- .1 Wood materials - straight, sawn square, true, dresses four sides, properly sized and shaped to correct dimensions from nominal sizes indicated or specified.
- .2 Lumber grade and moisture content - comply with the official grading rules of NLGA for the particular lumber and grade, and structurally complying with the latest requirements of the Manitoba Building Code. Comply with CSA Standard 0141 Softwood Lumber. Use only grade marked lumber.

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- .3 All wood materials - well seasoned NLGA, free from defects which impair strength and durability. Moisture content limit: S-GRN: Unseasoned: S-DRY: Maximum 19% moisture content: KD: Maximum 12% moisture content. Provide maximum 12% moisture control for exterior locations and 8% maximum for interior locations.

Wood Fencing at patio for building

- 6" cedar posts lumber (note profile finial top and cap predrilled to permit galv nail attachment top fence post
- .4 Blocking, grounds, nailing strips - NLGA No. 2 Ontario White Pine, No. 2 Red Pine, or Construction No. 1 Jack Pine all complying with the grading rules of the NLGA, or Construction, Douglas Fir dense complying with COFI standard grading and dressing rules.
- .5 Wood preservative - Solignum manufactured by Sturgeons Ltd. Pentox manufactured by Osmose Wood Preserving Co. of Canada Ltd., Rez sanding Sealer manufacturer. For painted surfaces use clear type and for concealed surfaces use green tinted type. Preservative Treatment to conform to CAN/CSA-080 Series-M* (.
- .6 Rough hardware - nails, screws, bolts, lag screws anchors, special fastening devices and supports as required for the erection of all carpentry items.
- .7 Parapet plywood - Supply and install 3/4" fir sheathing exterior grade plywood (waterproof glues) at all interior faces of curtainwall. Countersink fastening device to insure flush surfaces (devices to be rust proof)
- .8 Wood blocking for parapet, and framing around roof top units are to pressure treated.
- .9 Plywood : 20mm fir sanded plywood to concrete block from 1.2m to 2.4m height AROUND perimeter of mechanical / data / voice / electrical rooms.

PART 3 EXECUTION

3.1 PREPARATION

- .1 Examine surfaces to receive the Work of this Section and proceed only when conditions are satisfactory for a proper installation.

3.2 INSTALLATION - GENERAL

- .1 Provide running members of the longest lengths obtainable.
- .2 Slowly feed machine dressed members using sharp cutters. Provide finished members free from drag, feathers, slivers or roughness of any kind. Remove machine marks by sanding.
- .3 Machine sand surfaces exposed in the finished work and hand sanded to an even smooth surface free of scratches.
- .4 Properly frame material with tight joints and rigidly secure in place. Use glue-blocks where necessary.
- .5 Design construction methods for expansion and contraction of the materials.
- .6 Conceal joints and connections wherever possible. Locate prominent joints only where directed.
- .7 Match joints made on the site with joints made in the shop.
- .8 Unless otherwise specified glue and blind screw or nail all work. Set and fill and plug surface screws using matching wood plugs.
- .9 Accurately scribe, cope and mitre members where required to produce hairline joints.
- .10 Erect work plumb, level, square and to the required lines.
- .11 Do not regard blocking, strapping and other rough carpentry indicated as complete or exact. Provide rough carpentry items required for the installation of the Work of other Sections

3.3 INSTALLATION - ROUGH CARPENTRY

- .1 Blocking and grounds - fasten wood nailers, blocking, bucks grounds, curbs, copings and strapping solidly to supporting materials in true planes so that they will remain straight and not be loosened by Work of other trades.

- .2 Wood copings - Fasten blocking to structure with 3/16" dia. bolts 30" o.c.. Fasten curbs as indicated.
 - .3 Preservative - Preserve concealed wood members in contact with exterior walls and roof before fixing in place. Preserve all other wood indicated to be preserved. Preserve wood by immersing in preservative for at least one hour.
- 3.3 INSTALLATION - ELECTRIC AND MECHANICAL / TELEPHONE BACKBOARDS
- .1 Mount switches, electrical panel boxes, fuse boxes in the electrical rooms: Install 20mm fir sanded plywood to concrete block from 1.2m to 2.4m height AROUND perimeter of electrical rooms. Cover with 5/8" fire code drywall to achieve rating between wood plywood backboard and elec / mech room distribution panels.
- 3.4 INSTALLATION - STEEL DOOR FRAMES
- .1 Set frames plumb and square in their exact location. Firmly block and brace to prevent shifting. shim up where required to ensure proper alignment and dimensions from finished floor to head of frame. Install temporary wood spreaders at mid height.
 - .2 Where steel frames are installed in concrete walls, concrete block walls secure frame to concrete with expansion bolts. Perform drilling to concrete as required. Fill recessed bolt heads flush to frame face with metal filler and grind smooth.
- 3.5 INSTALLATION - DOORS
- .1 Check doors for correct size. If improperly sized, return to manufacturer for corrections.
 - .2 Mandatory Professional Finish Hardware Installer for all doors.
 - .3 Prepare doors to receive hardware. Check each hardware item before installation. Before installation of finish hardware submit Shop Drawings indicating the location of all hardware. Drill pilot holes of suitable diameter.
 - .4 Install doors. Maintain an even clearance, no exceeding 5mm between door and frame and 10mm at floor

to allow free action of door. Allow for proper clearance where carpet is scheduled.

- .4 Install door grilles where required. (supplied by Section 08710)

3.6 INSTALLATION - FINISH HARDWARE

- .1 Accept delivery of finish hardware and be responsible for its safe storage.

- .2 Install finish hardware to template in accordance with manufacturer's written instructions. Do not modify finish hardware without manufacturer's written approval. Install finish hardware secure, plumb, level, and true to line.

- .3 After installation of hardware under this Section, check opening units for correct fit and uniformity of space around perimeter of units, or between units. Provide smoothly operating units free from binding.

- .4 Set, fit, adjust and clean hardware according to manufacturer's written instructions.

- .5 Do not install hardware until after painting in area is completed.

- .6 Follow instructions found in Section 08710

3.7 INSTALLATION - CABINET HARDWARE AND COAT RACKS

- .1 Install cabinet hardware secure, plumb, level and true to line.

- .2 Cut and fit millwork for proper installation and operation.

- .3 Size cutouts so that hardware item completely covers cutout.

- .4 Provide smoothly operating units, free from binding.

3.5 CLEANING

- .1 Final cleaning in accordance with Division 1

END OF SECTION