

APPENDIX N

Truro West
Elementary School
LLAL No. 06118
NSTPW No. B01-26-01-01

Architectural Woodworking

Section: 06400
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16 December 2006

*Truro West
(+ Shipyard)*

PART 1 - GENERAL

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|-------------------------|----|-------------------|---------------|
| <u>1.1 Related Work</u> | .1 | Metal Fabrication | Section 05500 |
| | .2 | Finish Carpentry | Section 06200 |
| | .3 | Laminated Plastic | Section 06240 |
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| <u>1.2 Description</u> | .1 | Work included but not restricted to the supply and installation of the following; | |
| | | .1 | Hallway shelves and hooks |
| | | .2 | All casework |
| | | .3 | Coat rods and pegs |
| | | .4 | Shelves and display cases |
| | | .5 | Vanities |
| | | .6 | Change Room benches and hooks |
| | | .7 | Stage Construction |
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| <u>1.3 Quality Assurance</u> | .1 | The fabrication and installation of Architectural woodwork shall be completed by a manufacturer with a minimum of 5 years experience. The manufacturer is responsible to obtain all site and roughing in dimensions and shall supply to other related trades all necessary information to coordinate the requirements of the work specified in this section. | |
| | .2 | Do architectural Woodwork to Millwork Standards of the Architectural Woodwork Manufacturers Association of Canada AWMAC 1987, except where specified otherwise. | |
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| <u>1.4 Samples</u> | .1 | Submit samples in accordance with Section 01340 - Shop Drawings, Product Data, Samples and Mock-ups. | |
| | .2 | Submit duplicate samples of: | |
| | | .1 | Each counter top material, to match cabinet. |
| | | .2 | Each standard colour of cabinet finish, full size. |
| | .3 | Submit duplicate colour samples of laminated plastic for colour selection | |
| | .4 | Submit duplicate samples of laminated plastic joints, edging, cutouts and post formed profiles. | |
| | .5 | Submit full range of colours and profiles for selection by Architect prior to shop drawings submittal. | |
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| <u>1.5 Shop Drawings</u> | .1 | Submit shop drawings in accordance with Section 01340 - Shop Drawings, Product Data, Samples and Mock-ups. | |
| | .2 | Indicate: | |
| | | .1 | Details of Architectural woodwork construction and related and dimensional position, with sections. |
| | | .2 | Location of each casework unit. |
| | | .3 | Location for roughing-in of plumbing, including sinks, faucets, and electrical services. |

- .4 Indicate all materials, thicknesses, finishes and hardware
- .5 Indicate typical and special installation conditions, and all connections, attachments, anchorage and location of exposed fastening.

1.6 Maintenance
Data

- .1 Provide operation and maintenance data for casework.

1.7 Product Delivery, .1 Protect millwork against dampness during and
Storage and Handling after delivery.

- .2 Store millwork in ventilated areas, protected from extreme changes of temperature or humidity.

PART 2 - PRODUCTS

2.1 Materials

- .1 All Cabinet construction in the Library, Library Office, Administration and related offices shall be maple veneer plywood.
- .2 Cabinets in the Learning Support & Resource Rooms shall be constructed using hardwood faced plywood complete with solid hardwood doors.
- .3 Cabinet construction in all other teaching spaces (i.e. classrooms) to be hardwood faced plywood with solid hardwood doors. Finish to be clear urethane. (48lb/cu.ft.) or maple veneer plywood.
- .4
 - .1 Moisture content of wood at time of installation shall be for interior locations 7%, and for exterior locations 12%.
 - .2 Use only adhesives and fastenings that develop sufficient strength for intended use, are non-staining, and are unaffected by the environment to which exposed.
 - .3 Wood: Grade mark softwood and hardwood lumber by the appropriate association under authority of the National Lumber Grades Authority. Where not exposed to view, use wood of grades suitable for fabrication, utility and structural needs. Where exposed to view, use wood to meet requirements of AWMAC Quality Grade Standard.
 - .4 Hardwood plywood: to CSA 0115-M1982 of species and thickness indicated, rotary veneer. Use veneer core with Type II bond. Good grade where exposed to view and sound grade where not.
 - .5 Canadian softwood plywood: to CSA 0151-1978. Sanded exterior grade, solid two sides where both sides are exposed to view and good one side where only one side exposed to view.
 - .6 Douglas fir plywood: to CSA 0121-M1978, exterior grade, good two sides where both sides are exposed to view and good one side where only one side exposed to view.
 - .7 Maple plywood: to CSA 0153-1976.

- .8 Plastic Laminate: commercial grade to meet specified requirements of CSA Standard A172-M79.
- .9 Plastic laminate for cabinets u.n.o.
- .4 Fastening
 - .1 Fasten work with nails generally, but use screws or special fasteners at critical joints, and where required by specified quality grade standards.
 - .2 Glue built-up work as well as nailing and screwing.
 - .3 Blind nail unless impossible.
 - .4 Set finishing nails below finished surfaces to receive putty.
- .5 Finishing
 - .1 Finish each surface of Work of specified quality grade standard where exposed or semi-exposed.
 - .2 Fine sand surfaces level and smooth after fabrication.
- .6 Corridor Shelves and Hooks
 - .1 Maple slat shelf as detailed
 - .2 Maple support and coat hook dowels as detailed
- .7 Locker Room Coat Hooks and Benches
 - .1 Maple support and coat hook dowels as detailed
 - .2 Maple slat benches as detailed
- .8 Fixed Wall Mounted Bench
 - .1 Provide fixed wall mounted bench with heavy wood dowels for hanging clothes, provide hanging and seating for 20 persons in the Change and Shower Rooms of Elementary Schools.
- .9 Permanent Stage Construction
 - .1 2x6 @ 24" o.c. framing material or 2x4 framing material @ 16" o.c. on concrete deck with
 - .2 3/4" T&G select spruce plywood, base sheet with layer of bldg paper between plywood layers
 - .3 3/4" square edge poplar plywood, finished sheet, screwed in place and painted black.
 - .4 4 foot wide strip of hardwood is required at front edge of stage on all performing sides.
- .10 Storage Rooms (Building Support Services) Shelving
 - .1 Wood/metal Shelving Units
 - .1 built-in wood/metal shelving to suit room
 - .2 layout 5 shelves high minimum amount.
 - .3 Teacher storage: 40 linear feet x 24" wide
 - .4 General storage: 16 linear feet x 24" wide
 - .5 Art Storage: 23 linear feet x 24" wide
 - .6 General Storage: 30 linear feet x 18" wide

2.3 Countertop
Materials

- .1 Solid plastic laminate: to CAN3-A172, Type 3, 1.6mm thick, colour to be selected matt. See Section 06240.
- .2 Post formed one piece, factory laminated to CAN3-0188.1.
- .3 Draw bolts and splines: as recommended by fabricator.

2.4 Cabinet
Hardware

- .1 Cabinet Hardware items listed below shall comply with ANSI/BHMA A 1S6.6-1982.
 - .1 Hinges: BHMA BOO1421 or BO 1441 as required.
 - .2 Magnetic catches: BHMA BO 3151.
 - .3 Drawer slides: BHMA BO 5051.
 - .4 Drawer or door lock: BHMA E07042/E07122 C26D finish - Cyl.
 - .5 Adjustable shelving standards: BHMA B04061.
 - .6 Shelf rests: BHMA B04091.
- .2 Acceptable products for door and drawer pulls:
 - .1 Hager HA 2652-88.9 mm C26D.
 - .2 Canadian Builder's Hardware Manufacturing Ltd. CBH 220 88.9 mm C260.
 - .3 Standard Metal Hardware Manufacturing Ltd. SM 302A.
 - .4 Richelieu #33205 Bright Chrome "D" pull

2.5 Fabrication

- .1 Set nails and countersink screws, apply stained or plain wood filler to indentations, sand smooth and leave ready to receive finish.
- .2 Shop install cabinet hardware for doors, shelves and drawers. Recess shelf standards unless noted otherwise.
- .3 Shelving to cabinetwork to be adjustable unless otherwise noted.
- .4 Provide cutouts for plumbing fixtures, inserts, appliances, outlet boxes and other fixtures.
- .5 Shop assemble work for delivery to site in size easily handled and to ensure passage through building openings.

2.6 Finishing

- .1 Shop apply all specified finishes in accordance with relevant Sections.
- .2 All M.D.F. P.25.B board to be sealed on all edges and backs and fronts.
- .3 To reduce emissions all plywood and fibreboard surfaces including edges and all surfaces hidden from view to be sealed with a Sealer Coat.
 - .1 Acceptable product is "Lucido washcoat" as supplied by Chemcraft.
- .4 Clear finish on exposed woodwork as noted

PART 3 - EXECUTION

3.1 Installation

- .1 Install casework plumb with countertops level to 1.5 mm in 3 m.
- .2 Level base cabinets by adjusting levelling screws.
- .3 Fit closure strips and scribe to irregularities of adjacent surfaces, maximum gap opening 0.5 mm.
- .4 Support wall cabinets on continuous galvanized steel hanging brackets or by bolting directly to wall.
- .5 Bolt adjoining cabinets together, maximum width of joint 1 mm.
- .6 Apply small bead of sealant at junction of counter top and adjacent wall finish.
- .7 After installation, adjust operating hardware.

3.2 Colour Schedule
by Use

1. Finish wood panels indicated on the drawings are to be sealed stained and protected with a clear coat.
 1. Acceptable Clear Coat ; Lucido #634 -XXX, as produced by Chemcraft Ltd.
 2. Stain grade to be selected from sample pieces to be provided by contractor.
2. MCP colour to be from Manufacturers standard range.
3. Cover and protect finish work until final cleaning.

3.2 Cleaning

- .1 On completion, touch up marred or abraded finished surfaces.
- .2 Wipe down surfaces to remove fingerprints and markings and leave in clean condition.

END OF SECTION 06400