

Cloverdale Sport and Ice Complex

Architectural Specifications 250430-
Casework 06 41 00_IFT

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Section 00 01 10
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Part 1 General

1.1 SECTION INCLUDES

- .1 Cabinet units.
- .2 Countertops.
- .3 Cabinet hardware.
- .4 Wood panelling
- .5 Storage shelving, cubbies, rental lace-up cubby benches
- .6 Desks, worksurfaces.

1.2 RELATED REQUIREMENTS

- .1 Section 06 10 00 - Rough Carpentry: Grounds and support framing.
- .2 Section 08 80 00 - Glass and Glazing: Glass for casework.
- .3 Division 26 - Electrical: Power, signal, and data wiring.

1.3 REFERENCE STANDARDS

- .1 ANSI A135.4-2020 - Basic Hardboard.
- .2 [ASTM A153/A153M-16a Standard specification for zinc coating \(hot-dip\) on iron and steel hardware](#)
- .3 [ASTM C503/C503M-15 Standard specification for marble dimension stone](#)
- .4 [ASTM C615/C615M-18e1 Standard specification for granite dimension stone](#)
- .5 [ASTM C629/C629M-15 Standard specification for slate dimension stone](#)
- .6 NAAWS 4.0 - North American Architectural Woodwork Standards (AWS) – 2021.
- .7 [ANSI/BHMA A156.9-2015 Cabinet hardware](#)
- .8 [CSA O80 SERIES:21 Wood preservation](#)
- .9 CAN/ULC-S102-18 - Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies.
- .10 [NEMA LD 3-2005 High-pressure decorative laminates \(HPDL\)](#)
- .11 [STD A208.1-2016 Particleboard](#)
- .12 [STD A208.2-2016 Medium density fiberboard \(MDF\) for interior applications](#)

1.4 ADMINISTRATIVE REQUIREMENTS

- .1 Section 01 31 00: Project management and coordination procedures.

1.5 ACTION SUBMITTALS

- .1 Section 01 33 00: Submission procedures.
- .2 Product Data:
 - .1 Provide data for hardware accessories.
 - .2 Provide data on fire retardant treatment materials and application instructions.
- .3 Shop Drawings: Indicate materials, component profiles and elevations, assembly methods, joint details, fastening methods, accessory listings, hardware location and schedule of finishes.
- .4 Samples:
 - .1 Submit two (2) samples, 300 x 300 mm (12 x 12 inches) in size, illustrating casework finish.
 - .2 Submit two (2) samples, 300 x 300 mm (12 x 12 inches) in size, illustrating countertop finish.
 - .3 Submit two (2) samples of drawer pulls, hinges, illustrating hardware finish.
- .5 Installation Data: Provide manufacturer's special installation requirements.

1.6 CLOSEOUT SUBMITTALS

- .1 Section 01 78 00: Submission procedures.

1.7 QUALITY ASSURANCE

- .1 Perform fabrication and installation to AWMAC manual, Custom grade.
- .2 Manufacturers Qualifications: Company specializing in manufacturing the Products specified in this section with minimum five (5) years documented experience and a member in good standing with AWMAC.
- .3 Installers Qualifications: Company specializing in performing the work of this section with minimum three (3) years documented experience and approved by the fabricator.
- .4 Fire Retardant Treated Wood (FRTW): Certified and labelled by ULC.

1.8 MOCK-UPS

- .1 Section 01 43 00: Requirements for mock-up.
- .2 Provide mock-up of full size base cabinet which includes plumbing accessories and fitments.
- .3 Locate where directed by Consultant.
- .4 Approved mock-up may remain as part of the Work.

1.9 DELIVERY, STORAGE, AND HANDLING

- .1 Section 01 61 00: Transport, handle, store, and protect products.
- .2 Deliver materials after area of operation is fully enclosed; plaster and concrete work dry and area broom clean.
- .3 Protect units from moisture damage as specified in AWS.

1.10 SITE CONDITIONS

- .1 Ambient Conditions:
 - .1 Maintain indoor temperature and humidity during and after installation within range recommended by AWS for location of the project.

Part 2 Products

2.1 MATERIALS

- .1 Provide materials that comply with requirements of AWMAC Quality Standard for each type of woodwork and quality grade specified, unless otherwise indicated.
- .2 Urea-Formaldehyde Resins: Composite wood and agrifiber products, including core materials inside the building, must contain no added urea-formaldehyde resins. This is referred to in this specification as Urea-Formaldehyde Free (UFF). Adhesives used to fabricate laminated assemblies containing these products must contain no urea-formaldehyde.

2.2 LUMBER MATERIALS

- .1 AWS Lumber: Maximum moisture content of Softwood, lumber grades as required for 9% grade specified.

2.3 SHEET MATERIALS

- .1 Wood Sheet Materials: Panel grades as required for AWS grade specified.
 - .1 Softwood Plywood: Suitable for opaque finish.
 - .2 Medium Density Fibreboard (MDF): NPA A208.2; composed of wood fibres, made with waterproof binders containing no urea-formaldehyde resin, moisture resistant; of grade to suit application; sanded faces.
- .2 Solid Surfacing: Homogeneous filled cast polymeric resin panel.
- .3 Solid Phenolic: Composite panel of melamine impregnated decorative surface papers superimposed over a varying number of kraft phenolic core sheets.

2.4 PLASTIC LAMINATE MATERIALS

- .1 Acceptable Manufacturers:
 - .1 Formica, Wilsonart.
- .2 Substitutions: Refer to Section 01 25 00.
- .3 High Pressure Decorative Laminate (HPDL): NEMA LD 3, grades as indicated, or if not indicated, as required by AWMAC, Class 1 flame spread rated, minimum 0.7 mm thick.
- .4 Laminate Backing Sheet (BKL): NEMA LD 3, 0.5 mm thick, Class 1 flame spread rated, undecorated, colour white.
- .5 Cabinet Liner (CLS): NEMA LD 3, not less than 0.5 mm mm thick, colour White.

2.5 EDGE BANDS

- .1 Wood Edgeband: 3mm (1/8") Hardwood edgeband, of same species and cut as exposed surfaces.

2.6 ACCESSORIES

- .1 Adhesive: Type recommended by AWS to suit application.
- .2 Fasteners: Stainless steel, type 304, of size and type to suit application.

2.7 HARDWARE

- .1 Hardware: BHMA A156.9.
- .2 Drawer and Door Pulls: Stainless Steel, Finger Pulls, brushed finish; 5 inch centres.
- .3 Cabinet Locks: Keyed cylinder, two (2) keys per lock, master keyed.
- .4 Catches: Roller catches, BHMA A156.9, B03071 or Ball friction catches, BHMA A156.9, B03013. .
- .5 Drawer Slides: Side-mounted, full-extension, zinc-plated steel drawer slides with steel ball bearings, BHMA A156.9, B05091, and rated for the following loads:
 - .1 Box Drawer Slides: 334 N (75 lbf).
 - .2 File Drawer Slides: 667 N (150 lbf).
 - .3 Pencil Drawer Slides: 200 N (45 lbf).
 - .4 Keyboard Slide: 334 N (75 lbf).
- .6 Hinges: Frameless Concealed; BHMA A156.9, B01602, 100 degrees of type, steel with satin finish.
- .7 Grommets: Metal material for cut-outs.

2.8 WOOD TREATMENT

- .1 Fire Retardant Treated Wood (FRTW): CAN/CSA-O80, chemically treated and pressure impregnated; capable of providing a maximum flame spread/smoke development rating of 25/450, to CAN/ULC-S102.

2.9 WOOD CASEWORK

- .1 Casework Construction: Meeting AWS, Custom grade.
 - .1 Type: Frameless, flush overlay cabinet and door interface.
 - .2 Core: Fibreboard or plywood (as detailed) core.
 - .3 Finish: as detailed.
- .2 Exposed Surfaces (Transparent Finish): Plywood as detailed face species, book matched or slip matched (as detailed) cut, quarter sawn.
 - .1 Doors and Drawer Fronts: Match required.
 - .2 Edges: Solid lumber, or as detailed.
 - .3 Interior Surfaces: Veneer of same species and cut as exposed exterior surfaces.
- .3 Exposed Surfaces (Opaque Finish):
 - .1 Doors and Drawer Fronts: Closed grain hardwood.
 - .2 Edges: Solid lumber, or as detailed.
 - .3 Interior Surfaces: Same species and cut as exposed exterior surfaces.

- .4 Semi-exposed Surfaces:
 - .1 Surfaces (other than drawer bodies): Match species and cut indicated for exposed surfaces.
 - .2 Shelves: Match species and cut indicated for exposed surfaces.
 - .3 Edges: Solid lumber, or as detailed.
 - .4 Drawer Sides and Backs: Hardwood plywood.
 - .5 Drawer Bottoms: Hardboard.

2.10 PLASTIC LAMINATE CASEWORK

- .1 Casework Construction: Meeting AWS, Custom grade.
 - .1 Type: Frameless, flush overlay cabinet and door interface.
- .2 Exposed Surfaces:
 - .1 Drawers and Drawer Fronts: HPDL, as scheduled colour range, with scheduled finish.
 - .2 Interior surfaces: Melamine, colour and pattern white.
 - .3 Edges: HPDL.
- .3 Semi-exposed Surfaces:
 - .1 Surfaces (other than drawer bodies): HPDL, colour as detailed.
 - .2 Adjustable Shelves: HPDL.
 - .3 Edges: HPDL.
 - .4 Drawer Sides and Backs: Veneer core plywood.
 - .5 Drawer Bottoms: Tempered hardboard.

2.11 PLASTIC LAMINATE COUNTERTOPS

- .1 Meeting the requirements of AWS Quality Standards, Custom grade for counter construction supplemented as follows:
- .2 High Pressure Decorative Laminate (HPDL): as scheduled colour range, with as scheduled finish.
 - .1 Product: Formica, manufactured by Wilsonart.
- .3 Postformed Laminate: HPDL, as scheduled colour range, with as scheduled finish.
 - .1 Product: Formica, manufactured by Wilsonart.
- .4 Core Material: Medium density fiberboard.
 - .1 Wet Tops: Veneer core plywood with type II adhesive.
- .5 Backsplash: Butt joint style, height as shown.
- .6 Edge Treatment: As detailed, edge thickness As detailed.

2.12 SOLID SURFACE COUNTERTOPS

- .1 Solid Surface Surfacing:

- .1 Colour: as scheduled.
- .2 Edge Treatment: Self-edge.
- .3 Integral sink or Prepared for undermount sink, as detailed.
- .4 Backsplash: Butt joint style, height as shown.
- .5 Product: Corian, manufactured by Corian.

2.13 FABRICATION

- .1 Shop prepare and identify components for matching during site assembly.
- .2 Shop assemble casework for delivery to site in units easily handled and to permit passage through building openings.
- .3 When necessary to cut and fit on site, provide materials with ample allowance for site cutting and scribing.

2.14 WOOD FINISHES

- .1 Factory Finishing System: to match grade of product to be finished.
 - .1 Transparent Finishing Systems: System as scheduled.
 - .2 Sheen: as scheduled.
- .2 Site Finishing: Site finished as specified in Section 09 91 00 as scheduled.

Part 3 Execution

3.1 EXAMINATION

- .1 Section 01 71 00: Verify existing conditions before starting work.
- .2 Verify that field measurements are as indicated on Shop Drawings.
- .3 Verify adequacy of backing and support framing.
- .4 Verify mechanical, electrical, plumbing, HVAC and other building components, affecting work in this Section are in place and ready.

3.2 INSTALLATION

- .1 Install Work to AWS, grade as indicated.
- .2 Set and secure casework in place; rigid, plumb, and level.
- .3 Use fixture attachments in concealed locations for wall mounted components.
- .4 Use concealed joint fasteners to align and secure adjoining cabinet units and counter tops.
- .5 Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch (1mm). Do not use additional overlay trim for this purpose.
- .6 Secure casework and counter bases to floor using appropriate angles and anchorages.
- .7 Countersink mechanical fasteners used at exposed and semi-exposed surfaces, excluding installation attachment screws and those securing casework end to end.
- .8 Cut equipment cutouts shown on plans using templates provided.

- .9 Site glaze glass materials using the interior dry method specified in Section 08 80 00.

3.3 PREPARATION FOR SITE FINISHING

- .1 Seal surfaces in contact with cementitious materials.
- .2 Sand work smooth and set exposed nails and screws.
- .3 Apply wood filler in exposed nail and screw indentations.
- .4 On items to receive transparent finishes, use wood filler that matches surrounding surfaces and of types recommended for applied finishes.

3.4 ADJUSTING

- .1 Test installed work for rigidity and ability to support loads.
- .2 Adjust hardware to function smoothly and correctly.
- .3 Fill and retouch nicks, chips and scratches; replace unrepairable damaged items.

3.5 CLEANING

- .1 Section 01 74 10: Cleaning installed work.
- .2 Clean casework, counters, glass, hardware, fittings, and fixtures of dust, pencil and ink marks and broom clean the area of operation.

END OF SECTION



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