

This document contains standards that are the minimum requirements for BCIT construction projects. The information in the document is organized using the MasterFormat® and SectionFormat® systems. It is not a specification; it is intended to supplement the Consultant's own documents. Do not use this information as a standalone specification.

**SECTION 06 20 00
FINISH CARPENTRY**

PART 1 - GENERAL

1.1 SUMMARY

- .1 Provide standing and running trim and sills as indicated and specified.
- .2 Provide shelving at closets as indicated and specified.
- .3 Provide 24 gage steel studs at sides of wood door frames.
- .4 Install metal doors and frames.
- .5 Install wood doors and frames.
- .6 Install finish hardware.
- .7 Install glazing to millwork, wood doors, and framed sidelights as indicated.
- .8 Materials not identified in these standards must be identified and approved by Owner and be approved by the Authority Having Jurisdiction.
- .9 Sustainability Goals - Mandatory Compliance: comply with allowable VOC levels for all adhesives, sealants, paints and other coatings as outlined in Division 1.

1.2 REFERENCES

- .1 ANSI/NPA A208.2-2009 Medium Density Fibreboard (MDF) for Interior Applications.
- .2 Architectural Woodwork Institute / AWMAC Standards, Edition 2, 2014 (AWI Manual).
- .3 ASTM E84-15b Standard Test Method for Surface Burning Characteristics of Building Materials.
- .4 British Columbia Building Code, 2012 Edition (BCBC).
- .5 CAN/CGSB 11.3-M87 Hardboard.
- .6 CSA O121-15 Douglas Fir Plywood.
- .7 CSA O141-05(R2014) Softwood Lumber.
- .8 CSA O153-13 Poplar Plywood.
- .9 Canadian Hardwood Plywood and Veneer Association (CHPVA), Official Grading Rules for Canadian Hardwood Plywood.
- .10 NEMA (National Electric Manufacturers Association) LD3-2005, High Pressure Decorative Laminates (HPDL).
- .11 NHLA (National Hardwood Lumber Association), NHLA Rules Book, 2015 edition.
- .12 NLGA (National Lumber Grades Authority) Standard Grading Rules For Canadian Lumber (2014 edition).
- .13 ULC 102.2 Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies (CAN/ULC S102.2-10).

1.3 DEFINITIONS

- .1 The following definitions for high pressure decorative plastic laminates apply to the work of this section.
 - .1 Commercial Grade: 1.5 mm nominal thickness.
 - .2 Horizontal Grade Standard (HGS): 1.2 mm nominal thickness.

- .3 Horizontal Grade Light (HGL): 1.0 mm nominal thickness.
- .4 Horizontal Grade Post-Forming (HGP): 1.0 mm nominal thickness.
- .5 Vertical Grade Standard (VGS): 0.7 mm nominal thickness.
- .6 Vertical Grade Post-Forming (VGP): 0.7 mm nominal thickness.
- .7 Vertical Grade Light (VGL): 0.5 mm nominal thickness.
- .8 Cabinet Liner Standard (CLS): 0.5 mm nominal thickness.
- .9 Backer Liner (BKL): 0.5 mm nominal thickness.
- .10 Melamine or Low Pressure Laminate: 0.5 mm nominal thickness.
- .11 Formaldehyde Free: means no artificial addition of urea formaldehyde.

1.4 SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 Submittal Procedures.
- .2 Product Data:
 - .1 Provide data on fire retardant treatment materials and application instructions.
 - .2 Provide signed and sealed certificate of fire retardant treatment.
 - .3 Installation Data: Provide application instructions.
 - .4 Provide door and finish hardware installation instructions.

1.5 QUALITY ASSURANCE

- .1 Perform work in accordance with AWI Manual for Custom Grade.
- .2 Manufacturer Qualifications: Shall be a member in good standing with AWMAC.

1.6 REGULATORY REQUIREMENTS

- .1 Conform to applicable code for fire retardant requirements.

1.7 DELIVERY, STORAGE, AND PROTECTION

- .1 Transport, handle, store, and protect products from moisture damage.
- .2 Do not load any area of the building beyond the design limits.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- .1 Subject to compliance with specifications the following manufacturers are acceptable for the products indicated.
 - .1 MDF/Particle Board: Sierra Pine, www.sierrapine.com or approved alternative.

2.2 MATERIALS

- .1 Materials for Door Casings, Window Sills, and Baseboard: Refer to Interior Finishes Schedule.
- .2 Closet Shelving: Refer to Interior Design drawings for materials and dimensions.

2.3 SHEET MATERIALS

- .1 Softwood Plywood: CSA O121, graded in accordance with AWI Manual for Custom grade installation.
- .2 Hardboard: CAN/CGSB 11.3, pressed wood fibre with resin binder, standard grade, 6 mm (1/4 in.) thick, smooth two sides.

- .3 Medium Density Fibreboard (MDF): ANSI A208.2; composed of wood fibres, medium density of 40-50 lbs. of grade to suit application; sanded faces, formaldehyde free. Acceptable Products meeting or exceeding requirements of ANSI A208.1-2009 Grade M2.

2.4 ADHESIVE

- .1 Adhesive: Low VOC type recommended by AWI Manual to suit application.

2.5 FASTENERS

- .1 Fasteners: Of size and type to suit application; countersink and finish in exposed locations.
- .2 Concealed Joint Fasteners: Threaded steel.

2.6 ACCESSORIES

- .1 Lumber for Shimming, Blocking, and Backing: Softwood lumber, species SPF.
- .2 Wood Filler: Oil base, tinted to match surface finish colour.

2.7 SHOP TREATMENT OF WOOD MATERIALS

- .1 Shop treat wood materials requiring ULC fire rating.
- .2 Deliver fire retardant treated materials cut to required sizes. Minimize field cutting.
- .3 Kiln dry wood after pressure treatment to maximum 12% moisture content.

2.8 FABRICATION

- .1 Fabricate to Architectural Woodwork Standards (AWI) for Custom grade.
- .2 When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.

2.9 FINISHING

- .1 Before installation, prime paint surfaces of items or assemblies to be 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. On items to receive transparent finishes, use wood filler which matches surrounding surfaces and of types recommended for applied finishes.
- .4 Seal, stain and varnish surfaces where indicated. Brush apply only. Refer to Section 09 90 00 Painting and Coating.
- .5 Prime and paint surfaces where indicated. Refer to Section 09 90 00 Painting and Coating.

PART 3 - EXECUTION

3.1 INSTALLATION - METAL DOORS AND FRAMES

- .1 Placing Frames: Comply with provisions in SDI 105, unless otherwise indicated. Set frames accurately in position, plumbed, aligned and braced securely until permanent anchors are set. After wall construction is completed, remove temporary braces and spreaders, leaving surfaces smooth and undamaged.
- .2 Wall Anchors: Provide at least three anchors per jamb. For openings 2200 mm (90 in.) or more in height, install an additional anchor at hinge and strike jambs.
- .3 Gypsum Board Partitions: For in-place partitions, install knock-down, drywall slip-on frames.
- .4 Fire-Rated Frames: install according to NFPA 80.
- .5 Coat or otherwise isolate metal doors and frames to prohibit galvanic action.
- .6 Provide solid grouting to metal door frames in conformance to SDI recommendations.

- .7 Door Installation: Comply with ANSI A250.8. Shim as necessary to comply with SDI 122 and ANSI/DHI A115.1G.
- .8 Fire-Rated Doors: Install within clearances specified in NFPA 80, 2010 edition.
- .9 Smoke Control Doors: Install to comply with NFPA 105, November 2002 edition.
- .10 After installation, remove protective wrappings from doors and frames and touch up prime coat with compatible air-drying primer.

3.2 INSTALLATION - MANUFACTURED WOOD DOORS

- .1 Unwrap and protect doors in accordance with AWI Standards.
- .2 Install doors in accordance with manufacturer's written instructions.
- .3 Install non-rated doors in accordance with AWI Manual requirements.
- .4 Install fire rated doors in accordance with AWI Manual and NFPA 80 requirements.
- .5 Trim non-rated door width by cutting equally on both jamb edges.
- .6 Trim door height by cutting bottom edge to a maximum of 19 mm (3/4 in.). Trim fire door height at bottom edge only, in accordance with fire rating requirements.
- .7 Machine cut for hardware. Core for handsets and cylinders.
- .8 Coordinate installation of glass and glazing.
- .9 Install door louvres plumb and level.

3.3 INSTALLATION - FINISH HARDWARE

- .1 Examine doors and frames for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- .2 Steel Door and Frame Preparation: Drill and tap doors and frames for surface-applied hardware in conformance with CSDMA recommendations.
- .3 Hardware shall be installed by carpenter mechanics skilled in the application of institutional grade hardware, and in accordance with manufacturer's instructions.
- .4 Mounting height for hardware:
 - .1 Unless a conflict arises, the following are standard mounting heights on Products. If a question or conflict should arise, the hardware Supplier, if requested, shall assist the Contractor and Owner in determining mounting heights. Refer to ANSI/BHMA Standards A156 Series.
 - .2 Measurements are from finish floor unless noted otherwise:
 - .1 Butts:
 - .1 Top: 316.5 mm (11-3/4 in.) center of butt to top of door.
 - .2 Intermediate: Equal distance between top and bottom butts.
 - .3 Bottom: 330 mm (13 in.) center of butt.
 - .2 Knob locks: 1023 mm (40-5/16 in.) to center of strike.
 - .3 Deadlocks: 524 mm (60 in.) to center of strike.
 - .3 Fit hardware accurately using full complement of screws and draw up tight.

3.4 ERECTION TOLERANCES

- .1 Maximum Variation from True Position: 1.5 mm (1/16 in.).
- .2 Maximum Offset from True Alignment with Abutting Materials: 0.8 mm (1/32 in.).

END OF SECTION

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**SECTION 06 40 00
ARCHITECTURAL WOODWORK**

PART 1 - GENERAL

1.1 SUMMARY

- .1 Provide Custom Grade architectural woodwork in accordance with AWI/AWMAC manual.
- .2 Provide finishes to architectural woodwork. Provide BCIT with a full list of finishes and hardware used on the project.
- .3 Sustainability Goals: Mandatory Compliance: comply with allowable VOC levels for all adhesives, sealants, paints and other coatings as outlined in the LEED reference documents.
- .4 Materials not identified in these standards must be identified and approved by Owner and be approved by the Authority Having Jurisdiction.
- .5 Sustainability Goals - Mandatory Compliance: comply with allowable VOC levels for all adhesives, sealants, paints and other coatings as outlined in Division 1.
- .6 Post formed products are not acceptable.

1.3 GUARANTEE

- .1 Upon completion of the Work, furnish the Owner with a two (2) year AWMAC Guarantee.
- .2 The Guarantee shall cover replacing and/or refinishing to make good any defects in Architectural Woodwork due to faulty workmanship or defective materials supplied by this section of the specifications, which appear during a two (2) year period following the date of Substantial Performance of the Work.

1.2 REFERENCES

- .1 ANSI/NPA A208.2-2009 Medium Density Fibreboard (MDF) for Interior Applications.
- .2 Architectural Woodwork Institute / AWMAC Standards, Edition 2, 2014 (AWI Manual).
- .3 ASTM E84-15b Standard Test Method for Surface Burning Characteristics of Building Materials.
- .4 British Columbia Building Code, 2012 Edition (BCBC).
- .5 CAN/CGSB 11.3-M87 Hardboard.
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- .10 NEMA (National Electric Manufacturers Association) LD3-2005, High Pressure Decorative Laminates.
- .11 NLGA (National Lumber Grades Authority), Standard Grading Rules For Canadian Lumber (2014 edition).
- .12 NHLA (National Hardwood Lumber Association), NHLA Rules Book, 2015 edition.
- .13 ULC 102.2 Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies (CAN/ULC S102.2-10).

1.3 DEFINITIONS

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| .3 | Horizontal Grade Light (HGL): | 1.0 mm nominal thickness. |
| .4 | Horizontal Grade Post-Forming (HGP): | 1.0 mm nominal thickness. |
| .5 | Vertical Grade Standard (VGS): | 0.7 mm nominal thickness. |
| .6 | Vertical Grade Post-Forming (VGP): | 0.7 mm nominal thickness. |
| .7 | Vertical Grade Light (VGL): | 0.5 mm nominal thickness. |
| .8 | Cabinet Liner Standard (CLS): | 0.5 mm nominal thickness. |
| .9 | Backer Liner (BKL): | 0.5 mm nominal thickness. |
| .10 | Melamine or Low Pressure Laminate: | 0.5 mm nominal thickness. |
| .11 | Formaldehyde Free: | means no artificial addition of urea formaldehyde. |

1.4 SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 Submittal Procedures.
- .2 Product Data:
- .1 Provide data for hardware accessories.
 - .2 Include information on laminate thicknesses.
- .3 Shop Drawings:
- .1 Show construction details of architectural woodwork and general arrangements; typical and special installation conditions; materials being supplied and connections, attachments, anchorage and location of exposed fastenings.
 - .2 Incorporate plans, elevations, sections, and details for all architectural woodwork. Details to show and specify thicknesses, types and finishes, opening doors and drawers, and cabinet hardware.
 - .3 Indicate dimensions of residential appliances specified in Section 11 31 00 Appliances, and allow for appropriate clearances.
 - .4 Show construction details of cabinet door, including elevations of door and location and attachment of hardware and fastenings.
 - .5 Do not fabricate work until Shop Drawings have been reviewed and other related submittals and samples as required by specifications, have been approved by Consultant.
- .4 Samples:
- .1 Submit three (3) 100 x 100 mm (4 x 4 in.) size samples, illustrating each plastic laminate finish.
 - .2 Submit three (3) 75 x 75 mm (3 x 3 in.) size samples, illustrating each solid quartz surfacing material.

.3 Submit two (2) samples of each type of drawer pull and hinge illustrating hardware finish and attachment arrangement.

.5 Maintenance Manual:

.1 Indicate materials and finishes used for architectural woodwork.

.2 Include type and source of cabinet hardware and specialty items used under architectural woodwork and name and telephone number of closest distributor for replacement hardware.

.3 Include maintenance procedures and schedules.

.4 Submit manufacturer's care and maintenance data for solid surfaces.

1.5 QUALITY ASSURANCE

.1 Construct architectural woodwork work in accordance with Architectural Woodwork Institute / AWMAC Standards for Custom Grade.

.2 Fabricator Qualifications: Company in good standing with AWMAC and specializing in fabricating Products specified in this section with minimum three (3) years documented experience.

.3 Mock Up: Where more than ____ areas or rooms are to have architectural woodwork installed, mock up one full set of casework with countertops for Consultant review and acceptance.

1.6 DELIVERY, STORAGE AND PROTECTION

.1 Architectural woodwork delivery, storage, and handling to be in accordance with the AWI Manual.

.2 Architectural woodwork manufacturer and Contractor are to be jointly responsible to make certain that architectural woodwork is not delivered until the building and storage areas are sufficiently dry so that architectural woodwork will not be damaged by excessive changes in moisture content.

.3 Delivered materials which are damaged in any way or do not comply with these specifications will be rejected by Consultant and will be removed from job site and replaced with acceptable materials at no expense to the Owner.

1.7 PROJECT CONDITIONS / SITE CONDITIONS

.1 During and after installation of work of this section, maintain the same temperature and humidity conditions in building spaces as will occur after occupancy.

1.8 WARRANTY

.1 Provide two (2) year AWMAC Guarantee Certificate to include replacing and refinishing due to defects and faulty workmanship.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

.1 Subject to compliance with specifications the following manufacturers of plastic laminate are acceptable:

.1 Arborite, www.arborite.com, Distributed by PJ White, 604-327-0241

.2 Nevamar Distributed by McKillican; 604-513-8122.

.3 Wilsonart LLC, www.wilsonart.com, Distributed by McKillican; 604-513-8122.

.4 W. Kreykenbohm Corp., www.wkcorp.com, 604-888-4114.

.5 Or approved alternative.

2.2 LUMBER MATERIALS

- .1 Hardwood Lumber: AWS Manual standard for Custom grade, Douglas fir, plain sawn, maximum moisture content of 9 percent; with plain sawn grain, of quality suitable for transparent finish.
- .2 Softwood Lumber: AWS Manual for Custom grade, SPF plain sawn, maximum moisture content of 9 percent; with mixed grain, of quality suitable for opaque finish.

2.3 SHEET MATERIALS

- .1 Hardwood Plywood:
 - .1 CHPVA A; face species and cut as indicated on Drawings.
- .2 Hardwood Plywood - Fire Rated:
 - .1 Treat by pressure impregnation with fire-retardant chemicals in accordance with CSA O80.27 to provide classification for flame spread of not more than 25 and smoke developed of not more than 25. Kiln dry after treatment to a maximum moisture content of 15%.
- .3 Medium Density Fibreboard (MDF):
 - .1 ANSI A208.2; composed of wood fibres, medium density of 40-50 lbs. of grade to suit application; sanded faces, formaldehyde free. Meeting or exceeding requirements of ANSI A208.1-2009 Grade M2.
- .4 Medium Density Fibreboard (MDF) - Fire Rated:
 - .1 To ANSI A208.2; composed of wood fibres, synthetic resins and fire retardant chemicals mixed together at time of panel manufacture to achieve flame-spread index of 25 or less and smoke-developed index of 200 or less, per ASTM E84.
- .5 Hardboard:
 - .1 CAN/CGSB 11.3; pressed wood fibre with resin binder, tempered grade, 6 mm (1/4 in.) thick, smooth one side, formaldehyde free.

2.4 SUSTAINABLE MATERIALS

- .1 Confirm with Owner if these are to be used on the project.
- .2 LEED: Fabricate woodwork components within an 800 km radius of the site by truck or 2400 km radius by train or boat. Provide Material with the following recycled content:
 - .1 Forest Stewardship Council FSC Wood: FSC Wood is preferred throughout and is a requirement for 50% of wood based materials and products.
 - .2 Submit invoices and listing of materials that are FSC Certified. If a product contains a mix of materials, provide documentation from manufacturing showing the product's percentage of certified wood product. Provide cost information by separating labour and material costs.
 - .3 Certificates: Submit certification from an independent certification organization accredited by the Forest Stewardship Council certifying that wood comes from an independently certified, well-managed forestry source.
 - .4 Chain of Custody: Submit Forest Stewardship Council certification numbers and copies of invoices bearing these numbers as documentation that lumber was properly segregated from other materials while in storage and production.
- .3 Urea-Formaldehyde Resins: Composite wood and agrifiber products, including core materials inside 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 be urea-formaldehyde free (UFF).

2.5 PRESERVATIVE TREATMENT

- .1 Preservative Treatment - Lumber:
 - .1 Treat wood associated with window installations or enclosed in masonry, concrete or other material not enclosed in heated space to CSA O80 using waterborne Borax. Boromine no longer permitted to obtain minimum net retention of 40 kg/m³ of wood.
 - .2 After treatment, dry material to maximum moisture content of 12%.

2.6 LAMINATE MATERIALS

- .1 Plastic Laminate: High Pressure; manufactured and graded in accordance with CAN3 A172 or NEMA LD3-1991, Class 1. Grades as indicated.
- .2 Fire Rated Plastic Laminate: High Pressure; Class 1, A Fire Rated; on fire retardant treated kraft phenolic core. To ASTM E84 and ANSI/NEMA LD3. Type: VGF, HGF, or SGF as indicated.
- .3 Melamine: Thermally fused to substrate, conforming to NEMA LD3, meets or exceeds NEMA Standard LQ1. Acceptable product: Decorbond by W. Kreykenbohm.
- .4 Backing Sheet: Type BKL, conforming to NEMA LD3, 0.5 mm (0.020 in.), for use on concealed surfaces.
- .5 Fire Rated Backing Sheet: Wilsonart, Type 264 (for VGF) or Type 266 (for HGF and SGF), colour and thickness as indicated. For use with fire rated plastic laminate.

2.7 STAINLESS STEEL MATERIALS

- .1 Stainless Steel Sheet: ASTM A 240/A 240M, AISI Type 316 (UNS 30400 or 30316), stretcher leveled, with the following mill finish:
 - .1 Cold-rolled for surfaces requiring extensive polishing after fabrication to produce the uniform polished finish specified.
 - .2 Stainless Steel Sheet: Conforming to ASTM A 666, Type 304 with no. 4 satin finish, 1.6 mm [1.8 mm] thick.
- .2 Sheet size: Largest size to provide minimum number of seams. No seams allowed from counter top to splash.
- .3 Finish: AISI/SSINA No. 4.

2.8 SOLID SURFACING MATERIALS

- .1 Solid Surfacing Material:
 - .1 Solid cast, filled polymer, nonporous, with through body colors meeting ANSI Z124.3 or ANSI Z124.6
 - .2 Capable of being sanded or polished to a depth of 0.01 inch (0.25 mm)
 - .3 Coated, laminated or of composite construction not acceptable.
 - .4 Thickness: As indicated.
 - .5 Colour: As selected by Consultant from manufacturer's full range.
 - .6 Acceptable Product: Corian by Dupont, or approved alternative.

2.9 HARDWARE

- .1 General: To BHMA A156.9. Finish: Brushed stainless steel unless indicated otherwise.
- .2 Drawer and Door Pulls: Rod 'D' shaped, stainless steel, 100mm.
- .3 Drawer Slides: Side mounted, galvanized steel construction, ball bearings separating tracks, full extension.

- .4 Hinges: Fully concealed , knuckle hinge, opening 180 degrees.
- .5 Cam Locks: 21mm - 310 - 153 – 195 by Richelieu
- .6 Drawer Locks: 19m-313-133-195 by Richelieu
- .7 Shelf Standards and Rests:
 - .1 Formed steel channels, channels to be counter sunk, surface mounted not acceptable. Space slots for rests at 25 mm (1 in.) centers.
 - .2 Finish: Millwork manufacturer's standard.
 - .3 Provide adequate clips to fit into channels for shelving indicated. Where number of shelves is not indicated provide 3 shelves for each upper cabinet and two shelves for each lower cabinet.

2.10 ACCESSORIES

- .1 Adhesive: Contact cement.
- .2 Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application. Submit samples of proposed fasteners for exposed and concealed locations.
- .3 Concealed Joint Fasteners: Threaded steel.
- .4 Fasteners: Size and type to suit application.
- .5 Glass: Refer to Section 08 81 00 Glass Glazing.
- .6 Grommets: Plastic for cut-outs.
- .7 Joint Fasteners: Concealed threaded steel.
- .8 Edge Trim: Plastic (PVC) extruded flat shaped; smooth finish; self-locking serrated tongue; of width to match component thickness; and colour as indicated.

2.11 CASEWORK

- .1 Casework: AWI Custom Grade.
- .2 Cases: Veneer core plywood (no particle board or MDF permitted).
- .3 Doors and drawer fronts: Veneered MDF.
- .4 Millwork designed for clear finish, rotary cut birch or maple, with 3/4 inch solid edging.
- .5 Provide purpose made acid resistant solid surfacing veneer countertops in all labs.

2.12 PLASTIC LAMINATE CASEWORK

- .1 Cabinet Construction:
 - 1. Style: Flush overlay.
 - 2. Cores: MDF.
 - 3. Door & Drawer Fronts: Vertical Grade plastic laminate at vertical surfaces. Horizontal Grade plastic laminate at horizontal surfaces. Fire rated at locations indicated.
 - 4. Door & Drawer Edges: Vertical Grade plastic laminate at vertical surfaces. Horizontal Grade plastic laminate at horizontal surfaces. Fire rated at locations indicated.
 - 5. Semi-exposed Surfaces:
 - .1 Surfaces (other than drawer bodies): High pressure laminate, fire rated where indicated.
 - .2 Drawer Sides and Backs: Edge banded thermo-fused Melamine.
 - .3 Drawer Bottoms: Edge banded thermo-fused Melamine.
 - .4 Shelf Edges: Edge banded thermo-fused Melamine.

2.13 CASEWORK – PUBLIC REALM

- .1 Cabinet Construction:
 - .1 Style: Flush overlay.
 - .2 Cores: MDF.
 - .3 Door and Drawer Fronts and Backs: [Select White Birch] [_____].
 - .1 Cut [rotary cut] [_____].
 - .4 Door and Drawer Edges: 6 mm thick solid birch edge banding.
 - .5 Semi-exposed Surfaces:
 - .1 Surfaces (other than drawer bodies): High pressure laminate, fire rated where indicated.
 - .2 Drawer Sides and Backs: Edge banded thermo-fused Melamine.
 - .3 Drawer Bottoms: Edge banded thermo-fused Melamine.
 - .4 Shelf Edges: Edge banded thermo-fused Melamine.

2.14 CASE WORK – WET LABORATORIES

- .1 Cabinet Construction:
 - .1 Style: Flush overlay.
 - .2 Core: Plywood.
 - .3 Door and Drawer Fronts: Commercial grade 1.5 mm thick plastic laminate.
 - .4 Door and Drawer Edges: Rubber T. to full width of edge.
 - .5 Semi-exposed Surfaces:
 - .1 Surfaces (other than drawer bodies): High pressure laminate, fire rated where indicated.
 - .2 Drawer Sides and Backs: Edge banded thermo-fused Melamine.
 - .3 Drawer Bottoms: Edge banded thermo-fused Melamine.
 - .4 Shelf Edges: Edge banded thermo-fused Melamine.

2.15 COUNTERTOPS

- .1 General: Countertops containing sinks shall be constructed with cores of exterior grade plywood. Countertops not containing sinks may be constructed with MDF cores.
- .2 Edging: Provide 6 mm thick solid surface edging for countertops in public realm. Acceptable products: Corian by Dupont or approved alternative.

2.16 COUNTERTOPS IN WET LABORATORIES

- .1 Countertops in Wet Labs:
 - .1 Core: Exterior grade plywood.
 - .2 Face: Solid Surface material, acid resistant where indicated.
 - .3 Edging: Solid Surface material to match face.

2.17 FINISHING

- .1 Factory-finish products to greatest extent possible.

- .2 For wood materials requiring ULC fire rating or preservatives for concealed wood blocking, shop apply finish by brush.
 - .1 Provide ULC approved identification on fire retardant treated material.
 - .2 Deliver fire retardant treated materials cut to required sizes. Minimize field cutting.

PART 3 - EXECUTION – NOT USED

END OF SECTION