

06 00 00 Wood, Plastic, and Composites

06 01 00 Wood, Plastics and Composites General:

- .1 AWMAC (Architectural, Woodwork, Manufacturers Association of Canada) Standards and the Woodwork Institute are to be the guiding bodies for the quality, and sustainability of the materials, manufacture and installation of finish carpentry and architectural woodwork.
- .2 Grades for woodwork materials and craftsmanship:

Economy: the minimum quality requirements for a project's workmanship, materials or installation and is typically reserved for woodwork that is not in public view, such as in mechanical rooms and utility areas.

Custom: is typically specified for and adequately covers most high-quality architectural woodwork, providing a well-defined degree of control over a project's quality of materials, workmanship, and installation.

Premium: used in the most visible and high-profile areas of a project, such as reception counters, boardrooms, and executive areas, providing the highest level of quality in materials, workmanship, or installation.

Submittals Required:

- .1 Plan, elevation, and detail drawings. Any required to communicate the design intent. All to include title, dimensions, scale and date.
- .2 Materials samples: Hardware and specialty fasteners
- .3 Maintenance Instructions

Product Technical Data Sheets

- .1 Panel core type (OSB, plywood, particleboard) and thickness (greater than 19mm) with any special compliance requirements, such as:
- .2 Moisture resistant
- .3 Fire retardant
- .4 NAUF (no added urea formaldehyde)
- .5 CAREB (California Air Resources Board)
- .6 Standard requirements for primers, topcoats, stains, etc. are identified in
- .7 Divisions 09 00 00 Finishes. This list is not exhaustive.

06 10 00 Rough Carpentry

- .1 Lumber: AWMAC Typical Grade: Economy – Custom

Quality standards

- .1 FSC Certified
- .2 Composite woods such as; Glue Laminated Timber (Glulam) / Cross-Laminated timber (CLT) Laminated Strand Lumber (LSL) will have NAUF (No Added Urea Formaldehyde).
- .3 Blocking concealed within framing will be provided at any ceiling mounted equipment / furniture/shelving or counter.

Fasteners, Adhesives and Other Associated Components

- .1 Low emitting or NO VOC's
- .2 Non-corrosive covered in Division 12: Furnishing, etc.

06 20 00 Finish Carpentry

General

- .1 Exposed site assembled constructions such as molding, site-built stairs and handrails, manufactured casework not otherwise covered in Division 12: Furnishings, etc.
- .2 All fabrications AWMAC Typical Grade: Custom or Premium as directed by Queen's University.
- .3 Lumber
- .4 AWMAC Typical Grade: Custom – Premium

Quality standards:

- .1 FSC Certified
- .2 Composite woods such as; Glue Laminated Timber (Glulam) / Cross-Laminated Timber (CLT) / Laminated Strand Lumber (LSL) will have NAUF (No Added Urea Formaldehyde)
- .3 Panel core type (OSB, plywood, particleboard) and thickness (greater than 19mm) with any special compliance requirements, such as:
- .4 Moisture resistant in damp locations
- .5 NAUF (NO Added Urea Formaldehyde)
- .6 Fire retardant as required

Plastic Laminate

- .1 To be selected from manufacturers full line of patterns and finishes.
- .2 Acceptable manufacturers:
 - Abet Laminati
 - Arborite
 - Formica

- Laminart
- Nevamar
- Pionite
- Willsonart

Quality Standards:

- .1 High pressure laminates
- .2 No self-edging permitted
- .3 Post formed or decorative edging
- .4 Back and side splash, where required, to be coved or otherwise continuous / seamless at counter junction
- .5 Countertop profile to be finished on underside
- .6 Apply vapor resistant material above dishwasher under counter.
- .7 Deck mount sinks into plastic laminate counters

Melamine

- .1 Grade 5 minimum
- .2 Acceptable manufacturers:
 - Formica
 - Panolam
 - Tafisa
 - Uniboard
 - Wilsonart

Fasteners, Adhesives and Other Associated Components

- .1 Low emitting or No VOC's
- .2 Non-corrosive metals, non-reactive metal combinations
- .3 Use mechanical joint fasteners
- .4 Paintable

06 40 00 Architectural Woodwork

- .1 Custom shop fabricated millwork such as casework, specialty furniture, custom doors and frames, shelving, etc.
- .2 All fabrications AWMAC Typical Grade Custom or Premium as directed by Queen's University.

Lumber

- .1 AWMAC Typical Grade: Custom – Premium

Quality Standards:

- .1 FSC Certified
- .2 Composite woods such as; Glue Laminated Timber (Glulam) / Cross-Laminated Timber (CLT) / Laminated Strand Lumber (LSL) will have NAUF (No Added Urea Formaldehyde)
- .3 Panel core type (OSB, plywood, particleboard) and thickness (greater than 19mm) with any special compliance requirements, such as:
 - Moisture resistant in damp locations
 - NAUF (No Added Urea Formaldehyde)
 - Fire retardant as required
- .4 Standing and Running Trim

Quality Standards

- .5 Use longest continuous lengths available
- .6 Scribe and miter all corners
- .7 Fill all nail holes and joints
- .8 Paintable silicone top edge where no metal trim is detail

Casework

- .1 AWMAC Typical Grade Custom or Premium as directed by Queen's University
- .2 High pressure laminates
- .3 No self-edging permitted
- .4 Post formed or decorative edging

Solid Phenolic

- .1 Use in wet / very damp locations, laboratories
- .2 Use chemical grade in laboratories using chemicals or other volatile / hazardous material
- .3 To be selected from manufacturers full line of patterns and finishes. Preference will be given to those offering core colours than black.

Plastic Laminate

- .1 To be selected from manufacturers full line of patterns and finishes
- .2 Acceptable manufacturers:
 - Abet Laminati
 - Arborite
 - Formica
 - Laminart
 - Nevamar

- Pionite
- Wilsonart

Quality Standards:

- .1 High pressure laminates
- .2 No self-edging permitted
- .3 Post formed or decorative edging
- .4 Back and side splash, where required, to be coved or otherwise continuous / seamless at counter junction
- .5 Countertop profile to be finished on underside
- .6 Apply vapor resistant material above dishwasher under counter
- .7 Deck mount sinks into plastic laminate counters

06 61 00 Cast Polymer Fabrications

Simulated Stone Fabrications (quartz, stone agglomerates, stone slab not listed in masonry)

- .1 Material / Price Grade 3
- .2 Acceptable manufacturers / products:
 - Natural stone to be granite unless softer more porous stone is specifically directed by Queen's University
 - Quartz:
 - Ceasarstone
 - Dupont Zodiaq
 - MSI
 - Radianz
 - Silestone

Solid Surfacing Fabrications (resin, plastic, acrylic, phenolic)

- .1 Material / Price Grade 3
- .2 Acceptable manufacturers:
 - Avonite
 - Dupont Corian
 - Formica
 - LSD
 - Wilsonart
 - As these materials scratch easily and require repeated repair they are not acceptable for counters, desks or other horizontal mid-high traffic applications.
 - Use only on windowsills and other low traffic areas.

- Only white and light colours / patterns are permitted

Fasteners, Adhesives and Other Associated Components

- .1 Low emitting or No VOC's

06 65 00 Plastic Trim

1. Rubber or Vinyl Millwork Wall Base

Acceptable manufacturers:

- Johnsonite
- Roppe
- BURKE
- Reserved

Quality Standards

- Use longest continuous lengths available
- Scribe and miter all corners
- Low emitting silicone applied to top edge and joints in continuous line. Silicone is not a substitute for quality installation, use minimally.
- Use low emitting adhesives