

## PART 1 - GENERAL

### 1.1 REFERENCES

- .1 Architectural Woodwork Manufacturers Association of Canada (AWMAC).
  - .1 Quality Standards for Architectural Woodwork 1998.
- .2 Canadian General Standards Board (CGSB).
  - .1 CAN/CGSB-71.19-M88, Adhesive, Contact, Sprayable.
  - .2 CAN/CGSB-71.20-M88, Adhesive, Contact, Brushable.
- .3 Canadian Standards Association (CSA International).
  - .1 CSA 0115-M1982(R2001), Hardwood and Decorative Plywood.
  - .2 CAN/CSA 0132.2 Series-90(R1998), Wood Flush Doors.
  - .3 CAN/CSA-Z808-96, A Sustainable Forest Management System: Guidance Document.
  - .4 CSA Certification Program for Windows and Doors 00.
- .4 Environmental Choice Program (ECP).
  - .1 CCD-045-92, Sealants and Caulking Compounds.
  - .2 CCD-046-92, Adhesives.
- .5 National Fire Protection Association (NFPA).
  - .1 NFPA 80-1999, Standard for Fire Doors and Fire Windows.
  - .2 NFPA 252-1999, Standard Method of Fire Tests of Door Assemblies.
- .6 Underwriters' Laboratories of Canada (ULC).
  - .1 CAN-4S104M-80(R1985), Fire Tests of Door Assemblies.
  - .2 CAN4-S105M 85 (R1992), Fire Door Frames Meeting the Performance Required by CAN4-S104.
- .7 Canada Green Building Council (CaGBC)
  - .1 LEED Canada-NC-2009, LEED (Leadership in Energy and Environmental Design): Green Building Rating System for New Construction and Major Renovations.

1.2 ACTION AND  
INFORMATIONAL  
SUBMITTALS

- .1 Product Data:
  - .1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures.
  - .2 Submit electronic copies of WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 33 00 - Submittal Procedures.  
Indicate VOC's:
    - .1 For caulking materials during application and curing.
    - .2 For door materials and adhesives.
- .2 Sustainable Design Submittals;
  - .1 LEED Canada submittals: in accordance with Section 01 35 21 - LEED Requirements.
- .3 Shop Drawings:
  - .1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.
  - .2 Indicate door types and cutouts for lights and louvres, sizes, core construction, transom panel construction and cutouts.

1.3 SAMPLES

- .1 If requested, submit samples in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit one 300 x 300 mm corner sample of each type wood door.
- .3 Show door construction, core, glazing detail and faces.
- .4 Manufacturer's Instructions:
  - .1 Submit manufacturer's installation instructions.

1.4 QUALITY  
ASSURANCE

- .1 Test Reports: certified test reports showing compliance with specified performance characteristics and physical properties.
- .2 Certificates: product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.

1.5 DELIVERY,  
STORAGE, AND  
HANDLING

- .1 Storage and Protection:
  - .1 Protect doors from dampness. Arrange for delivery after work causing abnormal humidity has been completed.
  - .2 Store doors in well ventilated room, off floor, in accordance with manufacturer's recommendations.
  - .3 Protect doors from scratches, handling marks and other damage. [Wrap] [Crate] doors.
  - .4 Store doors away from direct sunlight.

1.6 WASTE  
MANAGEMENT AND  
DISPOSAL

- .1 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .2 Dispose of packaging material in appropriate on-site bin for recycling in accordance with site waste management program.
- .3 Unused or damaged glazing materials are not recyclable and must not be diverted to municipal recycling programs.
- .4 Divert unused adhesive material from landfill to official hazardous material collections site approved by Departmental Representative.
- .5 Do not dispose of unused paint materials into sewer systems, into lakes, streams, onto ground or in locations where it will pose health or environmental hazard.

PART 2 - PRODUCTS

2.1 WOOD FLUSH  
DOORS

- .1 Solid core: to CAN/CSA-0132.2.1.
  - .1 Construction:
    - .1 Solid particleboard core: stile and rail frame bonded to particleboard core with wood lock blocks 5-ply construction.
    - .2 No added urea-formaldehyde resins.
  - .2 Face Panels:
    - .1 Wood veneer.
  - .3 Adhesive: Type I (waterproof).

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| <u>2.2 TRANSOM AND<br/>SIDE PANELS</u> | .1 | Construction: to match adjacent door.   |
|  | .2 | Meeting edges of doors and transom panels:<br>checked.  |
| <u>2.3 FABRICATION</u>                 | .1 | Vertical edge strips to match face veneer.  |
|  | .2 | Prepare doors for louvres and glazing.  |
|  | .3 | Bevel vertical edges of single acting doors 3<br>mm in 50 mm on lock side and 1.5 mm in 50 mm<br>on hinge side. |

PART 3 - EXECUTION

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| <u>3.1 MANUFACTURER'S<br/>INSTRUCTIONS</u> | .1 | Compliance: comply with manufacturer's<br>written data, including product technical<br>bulletins, product catalogue installation<br>instructions, product carton installation<br>instructions, and data sheets. |
| <u>3.2 INSTALLATION</u>                    | .1 | Unwrap and protect doors in accordance with<br>CAN/CSA-0132.2 Series, Appendix A.   |
|  | .2 | Install doors and hardware in accordance with<br>manufacturer's printed instructions and<br>CAN/CSA-0132.2 Series, Appendix A.  |
|  | .3 | Adjust hardware for correct function.   |
|  | .4 | Install glazing in accordance with Section<br>08 80 50 - Glazing.   |
|  | .5 | Install louvres and stops.  |
|  | .6 | Secure transom and side panels by means of<br>concealed fasteners or countersunk screws<br>concealed by means of wood plugs matching<br>panel in grain and colour.  |

3.3 ADJUSTMENT .1 Re-adjust doors and hardware just prior to completion of building to function freely and properly.

3.4 CLEANING .1 Perform cleaning as soon as possible after installation to remove construction and accumulated environmental dirt.

.2 Remove traces of primer, caulking; clean doors and frames.

.3 Clean glass and glazing materials with approved non-abrasive cleaner.

.4 On completion of installation, remove surplus materials, rubbish, tools and equipment barriers.