

Part 1 General

1.1 SUMMARY OF WORK

- .1 Work Included: The work of this Section includes the provision of all labour, materials, equipment, and services required to fabricate wood slab doors, as indicated on the drawings, as specified herein and as required for a complete project.

1.2 RELATED SECTIONS

- .1 Section 08 11 00 - Metal Doors and Frames.
- .2 Section 09 91 23 - Interior Painting.

1.3 REFERENCES

- .1 Architectural Woodwork Manufacturers' Association of Canada (AWMAC):
 - .1 AWMAC/WI North American Architectural Woodwork Standards, NAAWS Edition 3.1-2017.
- .2 American National Standards Institute (ANSI):
 - .1 ANSI A135.4, Basic Hardboard, 2012 Edition.
 - .2 ANSI A208.1-2016, Particleboard.
- .3 Door and Hardware Institute (DHI):
 - .1 DHI TDH-007-20, Installation Guide for Doors and Hardware.
- .4 National Fire Protection Association (NFPA):
 - .1 NFPA 80-2019, Standard for Fire Doors and Other Opening Protectives.
- .5 Ontario Building Code 2015 (OBC).
- .6 Underwriters' Laboratories of Canada (ULC):
 - .1 CAN/ULC-S104-15, Standard Method of Fire Tests of Door Assemblies.
 - .2 CAN/ULC-S105:2016, Standard Specification for Fire Door Frames Meeting the Performance Required By CAN/ULC-S104.

1.4 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 all doors.

1.5 REQUIREMENTS OF REGULATORY AGENCIES

- .1 Fire rated doors: labelled and listed by an organization accredited by Standards Council of Canada in conformance with CAN/ULC-S104 and CAN/ULC-S105 for ratings specified or indicated.
 - .2 The work of this Section to conform to the requirements of the OBC, latest revision, and all other applicable codes and regulations, to the satisfaction of the authorities having jurisdiction.
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1.6 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials, including packaging materials.

1.7 WARRANTY

- .1 For the work of this Section, the 12-months warranty period prescribed in the General Condition of the Contract is extended to three years.
- .2 Warrant that the doors will not warp, twist, show core lines, split delaminate or sag.

Part 2 Products

2.1 GENERAL DOOR CONSTRUCTION

- .1 Particleboard-Core Doors:
 - .1 Particleboard: ANSI A208.1, Grade LD-2, made with binder containing no urea-formaldehyde resin.
- .2 Blocking: Provide wood blocking in particleboard-core doors as needed to eliminate through-bolting hardware, and as follows:
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 - .1 HB-1: 125-mm top-rail blocking, in doors indicated to have closers.
 - .2 HB-2, 125 mm bottom-rail blocking, in doors indicated to have kick plates.
 - .3 HB-3: 125-mm midrail blocking, in doors indicated to have exit devices.
 - .4 HB-4: typical minimum.

2.2 WOOD FLUSH DOORS

- .1 Interior solid core doors:
 - .1 Grade: Custom to AWMAC/WI NAAWS.
 - .2 Faces: Hardboard to ANSI A135.4, Class 1 (tempered).
 - .3 Finish: paint as per Section 09 91 00 – Interior Painting.
 - .4 Core: particleboard.
 - .5 Construction:
 - .1 Stiles and rails bonded to core, then entire unit abrasive planed before veneering.
 - .2 Five-ply with face, crossbands and core bonded together in single hot-press method.
 - .6 Adhesive: water-proof for interior doors.
 - .7 Performance grade: Heavy duty to ANSI/WDMA I.S.1A.
 - .8 Glazing: in accordance with Section 08 80 50 - Glazing.
 - .9 STC rating: 35.

2.3 FABRICATION

- .1 Factory machine doors for hardware that is not surface applied. Locate hardware to comply with DHI Recommended Location for Hardware for Flush Wood Doors. Comply with final hardware schedules, door frame Shop Drawings, DHI standards, and hardware templates.
- .2 Coordinate with hardware mortises in metal frames to verify dimensions and alignment before factory machining.
- .3 Prepare doors for glazing. Provide hardwood to match high pressure laminate finish glazing

stops with mitred corners.

- .4 Bevel vertical edges of single acting doors 3 mm in 50 mm on lock side and 1.5 mm in 50 mm on hinge side.
- .5 Finish laminated plastic smooth and flush with stile edges of door and bevel at approximately 20 degrees.

Part 3 Execution

3.1 INSTALLATION

- .1 Install doors and hardware in accordance with Door Hardware Institute TDH-007 and manufacturer's instructions.
- .2 Install fire rated doors and hardware to NFPA 80.
- .3 Fit hardware accurately and securely in accordance with the manufacturer's directions. Adjust operating parts for smooth, correct function.
- .4 Seal all four edges immediately for fitting, including areas routed for concealed closers and other hardware.

3.2 ADJUSTMENT

- .1 Re-adjust doors and hardware just before occupancy of building to function freely and properly.

3.3 CLEANING

- .1 Upon completion of the installation remove from the premises all surplus material, dirt and debris caused by the work of this Section and leave the installation clean.
- .2 Make good any damage caused by the work of this Section.

END OF SECTION
