

SECTION 08140  
WOOD DOORS

**PART 1 - GENERAL**

**1.1 SUMMARY**

- .1 Provide factory finished flush and panel, interior and exterior wood doors as scheduled and specified.
- .2 Refer to Section 06200 Finish Carpentry for wood door installation.

**1.2 RELATED SECTIONS**

- .1 06200 Finish Carpentry.
- .2 07290 Weather Resistive Barrier.
- .3 07620 Sheet Metal Flashing and Trim.
- .4 08810 Glazing.
- .5 09910 Paints and Coatings.

**1.3 SUBMITTALS**

- .1 Submit in accordance with Division 1 Submittal Procedures.
- .2 Shop Drawings: Provide Door Schedule for review to the Consultant.
- .3 Samples: submit one 300 mm by 300 mm sample of each type of door corner for Consultant's approval.

**1.4 QUALITY ASSURANCE STANDARDS**

- .1 The Architectural Woodwork Institutes Quality Standards Illustrated, 2003 edition referred to as the QSI Manual, together with authorized additions and amendments, shall be used as a reference standard and shall form part of this project specification.
- .2 Architectural woodwork to be used in the project shall meet QSI Manual Standards for custom grade.
- .3 A copy of the QSI Manual shall be made readily available for reference purposes.
- .4 References in this specification section to part and item numbers mean those parts and items contained within the QSI Manual.
- .5 Materials and installation shall be in Imperial measurement as specified.

**1.5 DELIVERY, HANDLING AND STORAGE**

- .1 Wood door delivery storage and handling shall be in accordance with QSI Manual.
- .2 Delivered materials which are damaged in any way or do not comply with these specifications will be rejected. Remove from job site and replaced with acceptable materials.

**PART 2 - PRODUCTS**

**2.1 GENERAL**

- .1 Use clean stock only and comply with QSI Standards for custom grade.
- .2 Interior doors: 1 3/4 inch (45 mm) thick.
- .3 Solid Core Doors shall have stiles and rails securely bonded to core with adhesive, then sanded as a complete assembly prior to application of face.
- .4 See Door Schedule for frame type. See Section 08110 for metal frames.

**2.2 STILE AND RAIL DOORS**

- .1 Unit Entry Doors and Common Area Doors:
  - .1 Grade: QSI Economy Grade.
  - .2 Faces: Raised panel hardboard, primed for a paint finish.

- .3 Core: Solid core particle board or solid wood stave core, fully glued and bonded.
- .4 Frames: Metal Frame, knock down type, Fire Rated as required.
- .2 Interior Doors:
  - .1 Grade: QSI Economy Grade.
  - .2 Faces: Raised panel hardboard, primed for a paint finish.
  - .3 Core: Hollow core, expanded honeycomb.
  - .4 Frames: Finger joined Pine, primed for a paint finish.
- 2.3 FLUSH WOOD DOORS**
  - .1 Grade: QSI Economy Grade. Thickness as indicated.
  - .2 Core: Solid wood stave core.
  - .3 Face: Hardboard, primed for paint finish.
  - .4 Glazing: Dimensions as indicated. Refer to 08810 Glazing.
- 2.4 FLUSH WOOD FIRE RATED DOORS**
  - .1 Flush wood fire rated doors shall be ULI, ULC, or WHI tested and labeled fire doors for 20 minute or 45 minute fire ratings, as scheduled.
  - .2 Flush wood fire rated doors shall have a reinforced door edge and a blocking system for hardware as required to maintain rating.
    - .1 Location of lock, closures, and panic hardware blocks shall be manufacturer's standard to maintain rating. Specified as scheduled. Refer to page 437 Figure 1300-23 of The Manual.
  - .3 Faces: Hardboard primed for paint finish.
  - .4 Edges shall be to the manufacturer's standard for fire rated wood doors.
- 2.5 WOOD FRAMES**
  - .1 Grade: QSI Quality custom grade.
  - .2 Frames: Finger joint Pine, primed for paint finish.
  - .3 Construction: Frames shall conform to QSI Manual, for single rebate and casing.
  - .4 Corners shall be rabbet type construction to QSI Manual.
- 2.6 FIRE RATED DOOR AND SIDELIGHT FRAMES**
  - .1 Fire rated door frames and sidelight frames shall be 20 minute, rated as per BCBC 9.10.133.
  - .2 Wood frames for rated 20 minute wood doors to be not less than 38 mm in thickness.
  - .3 Profiles shall be to the manufacturer's standard.
- PART 3 - EXECUTION**
  - 3.1 INSTALLATION**
    - .1 Refer to Section 06200 Finish Carpentry.

END OF SECTION