

**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