

STANDARD SPECIFICATION  
JANUARY 2010

**DIVISION 8**

**SECTION 8B SOLID CORE WOOD DOORS**

8B.01 GENERAL: Comply with all of the Contract Documents.

8B.02 SCOPE OF WORK: Refer to "Division Scope of Work"

8B.03 WORK NOT INCLUDED

- A. Finish Hardware by Section 8D.
- B. Installation of Finish Hardware by Section 6B.
- C. Provide hollow metal frames by Section 8A.

8B.04 SWING, SOLID CORE WOOD DOORS

A. General:

- 1. All wood doors shall be kiln dried with moisture content of 6 to 12 percent.
- 2. All doors shall be 1 3/8" thick and sizes according Door Schedule.
- 3. All new wood doors must comply with the Window and Door Manufacturer's Association (WDMA) Specifications I.S.1A-97 "General Requirements for Wood Flush Doors".
- 4. New wood doors shall be as manufactured by Built-Rite Door Company, Inc. Bronx, NY or approved equal, as determined by Architect/Engineer.

A. Materials:

- 1. Interior flush, solid core wood doors within apartments and where indicated shall be:
  - a. Core – Solid core mat formed from 32 lb particleboard conforming to ANSI:A208.1 Grade # 1-LD-2-1989
  - b. Edges – Stiles and Rails shall be of one-piece solid stock (Poplar or Aspen) with a minimum size 1 1/8" thick x 2 1/4" width after machining.
  - c. Hardware reinforcement blocks – All doors shall have a one-piece solid block (on each side) to properly secure lock to door. Lock block shall be 20" long x 2 1/4" wide minimum, mechanically attached to the stile and glue bonded to face skins.

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- d. Face Panel – 1/8” thick tempered hardboard manufactured by Georgia Pacific STD HDBD 515 or approved equal.
  - e. Glue Bond – Type II water resistant adhesive.
- 2. All exposed surfaces and edges shall be finished smooth and be free from marks, blemishes, or defacements of any kind caused by workmanship or manufacture.
  - 3. Doors shall be individually labeled by manufacturer and delivered to the job site after buildings have been substantially completed.

8B.05 QUALITY ASSURANCE

A. Quality Standards: Comply with the following standards:

- 1. NWWDA Quality Standards: I.S.1 "Industry Standard for Wood Flush Doors", of National Wood Window and Door Association (NWWDA).
- 2. AWI Quality Standard: "Architectural Woodwork Quality Standards"; Section 1300 "Architectural Flush Doors", of Architectural Woodwork Institute (AWI) for grade of door, core construction, finish, and other requirements exceeding those of NWWDA quality standard.

B. NWWMA Quality Marking: Mark each wood door with NWWDA Wood Flush Door Certification Hallmark certifying compliance with applicable requirements of NWWDA I.S. 1 Series.

- 1. For manufacturers not in NWWDAQ Hallmark Program, a certification of compliance may be substituted in lieu of marking of individual doors.

8B.06 SHOP DRAWINGS

A. Shop drawings shall be furnished for approval by Architect/Engineer, and shall show material and construction, as well as sizes of finished work. Contractor to verify field dimensions. Complete Door Schedule submission to Architect/Engineer mandatory prior to ordering of doors.

8B.07 CERTIFICATES

A. Submit certificates for interior wood doors for compliance with specifications.

8B.08 INSTALLATION

A. Install all doors in accordance with the specified industry standards and the manufacturer's instructions, except where more strict requirements are indicated.

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- B. Installation tolerances for interior wood doors
1. Provide edge clearances as follows or as required by NFPA 80:
    - a. Between doors and frames on pull side at head and jambs - 1/8" max
    - b. Between meeting edges on pull side of pairs of doors - 1/8" max
    - c. Between bottom of door and finish floor for all interior wood swing doors - 1" max
    - d. Between bottom of door and saddle for bathroom doors - 1" max

8B.09 ADJUSTING AND CLEANING

- A. Delivered to the job site doors shall be stored flat in a dry area, and handled in such manner as to avoid warping, twisting or bending.
- B. Properly install wood doors in hollow metal frames:
1. Adjust for smooth and balanced door movement. Reinstall or replace doors, which do not swing or operate freely.
  2. All edges shall be properly primed immediately after fitting of the doors.
  3. Repair or replace doors damaged during installation. Replace all warped doors.
  4. Protect installed wood doors from damage or deterioration.
  5. When hardware is installed on doors by the manufacturer, prior to final finishing, remove hardware (except prime coated items and hinges) until completion of painting work.

8B.10 GUARANTEES

- A. Guarantee all items of work furnished and installed under this Section for (1) one year, in addition to manufacturer's standard warranties. All guarantees to be from the date, when **Final Certificate of Occupancy** is issued from Department of Buildings.

END OF SECTION