

STANDARD SPECIFICATION  
JANUARY 2010

**DIVISION 8**

**SECTION 8B HOLLOW 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, HOLLOW 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, hollow core wood doors within apartments and where indicated shall be:
  - a. Core – Heavy-duty corrugated paper interlocked to form a honeycomb. Cell size shall not to exceed 2" x 2", when material is fully expended. Core material shall be mechanically fastened to stiles, rails, and glue bonded to the face panels.
  - 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.

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- c. Hardware reinforcement blocks – All doors shall have a one-piece solid block (on each side) to properly secure lock to the door. Lock block shall be 20” long x 2 1/4” wide minimum, mechanically attached to the stile and glue bonded to face skins.
  - 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.

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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.
- 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