

**08 1416 - Flush Wood Doors**

- A. Flush Wood Doors shall be 1-3/4" thick solid core doors with wood veneer or plastic laminate veneer.
- B. Flush Wood Doors shall comply with WDMA I.S. 1-A Extra Heavy Duty Performance Grade.
- C. Fire-rated Flush Wood Doors shall comply with NFPA 80 and shall be listed and labeled by a qualified testing agency for the indicated fire-protection ratings based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
- D. Minimum quality grade for all Flush Wood Doors shall be AWI section 1300 Custom Grade. Finish of door vertical edges shall match the finish of the door faces.
- E. Plastic laminate shall comply with NEMA HPDL.
- F. Fabricate heads of all Flush Wood Doors to provide solid wood blocking for the attachment of door closers, even when door closers are not included in the finish hardware schedule.
- G. Flush Wood Doors shall come from a single manufacturer and a single supplier.
- H. Fabricate Flush Wood Doors with adhesives and composite wood products that do not contain urea formaldehyde.
- I. Seal the top and bottom of Flush Wood Doors with two coats of clear varnish or sealer recommended by the Flush Wood Door manufacturer immediately upon arrival on the site to prevent moisture penetration. Seal edges of Flush Wood Doors, edges of cutouts and mortises after fitting and machining.
- J. Warranty
  - 1. Flush Wood Door Manufacturer shall issue a warranty agreeing to repair or replace doors that fail in materials or workmanship at no cost to the Owner. Failures include, but are not limited to, warping (bow, cup or twist) more than 1/4 inch in a 42 by 84 inch section, telegraphing of core construction in face veneers exceeding 0.01 inch in a 3 inch span, and delamination of veneer.
  - 2. The Warranty shall not include the refunding of the price received by the Flush Wood Door Manufacturer as a means of satisfying the Warranty.
  - 3. The Warranty shall include all finishing and installation which may be required due to repair or replacement of defective doors.
  - 4. The Warranty period for Interior Flush Wood Doors shall be the lifetime of the

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installation.

5. The Warranty period for Exterior Flush Wood Doors shall be five years from the Date of Substantial Completion.

**K. Submittals**

1. Submit sample warranties for review and approval.
2. Submit shop drawings showing the location and size of each door, elevation of each type of door, details of core and edge construction, location and extent of finish hardware blocking, fire ratings, requirements for factory finishing, trim for openings and similar components, and all other data required to show the doors meet the specified requirements.
3. Submit door manufacturer's specifications and installation instructions for each type of door required.
4. Submit veneer samples for review and approval.

**L. Additional Conditions**

1. Do not deliver or install doors until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.
2. Energy conservation and sustainable design must be given thorough consideration when incorporating fenestration into the building design. Building fenestration shall comply with State Energy Code and municipality's currently adopted version of the International Energy Conservation Code (IECC).
3. Energy Efficient Exterior Openings shall comply with minimum thermal ratings, based on ASTM C 1363. Openings are to be tested as fully functional, thermal insulating door and frame assemblies.

End of 08 1416 Flush Wood Doors