

SECTION 08 14 16 – FLUSH WOOD DOORS**PART 1: GENERAL****1.01 Scope of Standard**

- A. This standard provides general guidance concerning the specific preferences of Texas State University for wood doors and panels; fire-rated and non-fire-rated; flush wood doors and panels with veneer facings.
- B. Texas State University recognizes that project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However, unless there is adequate written justification, it is expected that these guidelines will govern the design and specifications for Texas State University projects.

1.02 Design Guidelines

- A. Building Fenestration shall comply with the State Energy Code. See Codes 1.03.
- B. All general use building entrance shall have a vestibule. At least one door at primary entrance shall be power operated.
- C. One or more entrance doors may require card key access.
- D. Avoid use of folding doors and pocket sliding doors.
- E. No sliding or folding doors in path of exit access.
- F. In door clearance selection, consider the possibility of future change of floor surface height such as is occasioned by the addition of carpet.
- G. Wherever possible use single doors rather than pairs of doors.
- H. Generally use doors which are flush or which utilize the simplest form of trim.
- I. Do not use louvered doors for decorative purposes.
- J. Use removable mullions in pairs of doors to provide best locking condition.
- K. Doors on electrical rooms or closets should swing out. Doors on transformer vault rooms are required to swing out to conform to the NFPA Standards.
- L. Wood doors should not be used on the exterior.
- M. Flush bolts should not be used on wood doors.

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- N. Glass with Door.
 - a. All general use-building entrances shall have a vestibule. At least one door at primary entrances shall be power operated.
 - b. Use Tempered or safety glass in entrance doors and in sidelights at entrances.
 - c. Provide suitable rail protection or decals as warning at glass doors and glass sidelights where glass panels extend down near floors.
 - d. Generally avoid extending glass down to floor level.
 - e. Where light kits are used a 10” stile is required on latch side.
 - f. Provide curbs at base of glass panels to protect glass from cleaning equipment and to prevent furniture from being pushed into glass.
 - g. Avoid use of excessively large glass panels in doors and sidelights.
 - h. In fire rated wall or partition, glass vision panels or glass sidelights must comply with International Building Code and the NFPA Life Safety Code.
 - i. Provide vision panels at interior occupied room locations.
- O. Wires for electrified hardware must be in conduit.

1.03 Quality Control

- A. Doors shall comply with National Wood Window and Door Association Standards (NWWDA).
- B. Architectural Woodwork Quality Standards, Guide Specifications & Quality Certification Program.
- C. Contractor shall comply with Architectural Woodwork Institute (AWI)
- D. Warranty: Maximum warranty available will be required. Lifetime warranty preferred.
- E. Contractor shall not be permitted to install doors prior to building having conditioned air.
- F. Fire/Smoke Doors

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1. Where required by NFPA Standard 101, Life Safety Code, only tested & labeled fire rated door/frame assemblies will be installed.
2. Electronic hold-open and release mechanisms on fire doors can be used where approved by the Project Representative.
3. Comply with NFPA 80 Fire Doors and Other Opening Protectives.

PART 2: PRODUCTS**2.01 General**

- A. Grade: AWI Premium
- B. Faces: Selected veneers and Cutting (Quarter Cut or Rift Cut), Matching (Center Match), and Coloring by Texas State University and Consultant.
- C. Finish: Transparent finish AWI-TR3 Water Based Acrylic Lacquer, semi-filled, factory applied. Sheen to be satin.
- D. Construction: 5 ply, 1 3/4" minimum door thickness.
- E. Core: Solid block staved lumber; fire-rated mineral core. Hollow core doors are not acceptable.
- F. Edges: Same species as face lumber or veneer; sanded ease, no visible joints allowed. Fire-rated mineral core doors to have minimum 1 3/8" thick solid edges or solid blocking at hinge lockset and closer locations, 4 1/2" top & bottom rails.
- G. Face veneers for building renovations:
 1. Match existing doors.
- H. Face veneers for new buildings:
 1. Architect specified as approved by Project Representative.
- I. Face veneers for Round Rock Campus Building:
 1. White maple veneer (SR#13017 with "bronze" finish, by Buell Door Co.)
 2. Plain cut
 3. Book matched

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4. Stained Cherry color to match existing doors.
5. Final finish: Transparent AWI-TR3, water based acrylic lacquer.
 - a. Satin sheen

PART 3: EXECUTION

- A. Consultants shall coordinate security system & hardware requirements with this section to provide necessary hardware preps & reinforcing as part of the construction contract.
- B. Hardware submittal must be reviewed and approved before doors are ordered.

END OF SECTION 08 14 16