

DIVISION 8 OPENINGS

08 11 13 Hollow Metal Doors and Frames

PART 1: GENERAL

1.01 Scope of Standard

- A. This standard provides general guidance concerning the specific preferences of Texas State University for assemblies of doors, sidelights, bulkheads, sills, etc., including, but not limited to, glass doors for exterior or interior applications.
- 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. Avoid use of pocket sliding doors.
- B. Avoid use of folding doors.
- C. No sliding or folding doors in path of exit access.
- D. In door clearance selection consider the possibility of future change of floor surface height such as is occasioned by the addition of carpet.
- E. Wherever possible use single doors rather than pairs of doors.
- F. Generally use doors which are flush or which utilize the simplest form of trim.
- G. Do not use louvered doors for decorative purposes.
- H. Provide positive slope away from exterior side of exterior door to prevent water backup.
- I. Where consistent with building design, protect exterior door with vestibules, canopies or the like.
- J. For energy conservation where practical, incorporate an air lock vestibule in main (heavy traffic) doors opening to the outside.
- K. Use removable mullions in pairs of doors to provide best locking condition.
- L. Doors on electrical rooms or closets should swing out.
- M. Doors on transformer vault rooms are required to swing out to conform to NFPA Standards.
- N. Glass with Door.
 - 1. Use Tempered or safety glass in entrance doors and in sidelights at entrances.

2. Provide suitable rail protection or decals as warning at glass doors and glass sidelights where glass panels extend down near floors.
 3. Generally avoid extending glass down to floor level.
 4. Provide curbs at base of glass panels to protect glass from cleaning equipment and to prevent furniture from being pushed into glass.
 5. Avoid use of excessively large glass panels in doors and sidelights.
 6. In fire rated wall or partition, glass vision panels or glass sidelights must comply with International Building Code and the NFPA Life Safety Code.
 7. Provide vision panels at interior occupied room locations.
- O. Wires for electrified hardware must be in conduit.

1.03 Reference Standards

- A. Steel Door Institute (latest version of Recommended Specifications)

1.04 Quality Control

- A. Comply with ANSI/SDI 100.
- B. Fire/Smoke Doors.
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. Frame gauge (minimum): 16 for interior & 14 for exterior.
- B. Door face sheet gauge (minimum): 18 for interior & 16 for exterior.
- C. Interior doors: Grade II-Heavy Duty, Model 2-Seamless.
- D. Exterior doors: Grade III-Extra Heavy Duty, Model 2-Seamless.
- E. Frames welded & mitered smooth. Knock-down frames are not acceptable.
- F. Sizes: Generally, provide minimum 36" wide single doors to ensure accessibility to the handicapped. Use standard size doors, not exceeding 7'-0" height & 3'-6" width. Insure doors are sized to permit movement of furnishings, supplies & equipment.
- G. Provide adequate reinforcements for anchors & hardware.

- H. Close top of door, do not leave an open channel.

PART 3: EXECUTION

- A. Consultants shall coordinate security system & hardware requirements with this section to provide necessary hardware preps, mortar boxes, & reinforcing as part of the construction contract.
- B. Hardware submittal must be reviewed and approved before frames and doors are ordered.
- C. After installation of frames, insure frames are plumb, level and square.

END OF SECTION 08 11 13