

DOORS AND FRAMES

PART 1 – GENERAL

- 1.01 **Summary:** This section describes University specific requirements for doors and frames. Information in this section is intended to guide and supplement specifications provided by the Architect and Engineer of Record.
- 1.02 **Related work** specified elsewhere includes: door hardware and card access systems.
- 1.03 **Quality Control:** Comply with the following codes and standards:
- Florida Building Code and Florida Fire Prevention Code
 - ASTM/ANSI/SDI Standards and Testing
 - Obtain doors and frames from one source.
 - Provide labeling as required.
 - AWI Quality Standard for Architectural Flush Doors.
 - National Woodwork Manufacturer’s Association Standards.
 - USGBC LEED requirements.
- 1.04 **Door Design Criteria**
- A. **Design of entry doors:** At least one main entry door shall be accessible from adjacent sidewalks by wheelchair and shall display the proper handicapped signage. The current ANSI standards shall apply to raised letter signage for the blind. Provide an automatic opening device for accessible entry on the accessible path. If the building perimeter is secured by card access, at least one of the card accessed doors shall be located at an accessible entry. Automatic door opening devices and card reader access shall be coordinated.
- B. **Design of interior wood doors:** Specifications shall include full specification, including species, finish, veneer patterns, core materials, and manufacturer’s name. Door design shall not vary within the building, i.e. do not mix veneer treatments.
- C. Minimum door dimensions are 3’-0”x7’-0”. For renovations, do not mix heights in adjacent areas. Variances from a height of 7’-0” should be reviewed with the FSU Project Manager for applicability of a waiver.
- D. All corridor doors and doors to closets shall be 1-3/4” solid core to meet requirements of NFPA 80 and 101, and they shall use mortise locksets meeting all code requirements. Where cutouts for closers are required, the head rail should be not less than 6 inches. If hardwood edges are desired, they should be completely specified with the thickness given.

- D. **Classroom doors** shall include a view panel.
- E. If fume hoods or other large equipment occur in a room, provide doors of adequate width to provide clearance for moving the items in or out. If size is questionable, use larger size opening.
- F. As part of the Design Development submittal, the A/E shall submit CAD drawings for room numbering. The FSU Project Manager shall coordinate with the FSU Planning and Space Management to ensure that proper room numbering is provided to the design team for use in the 50% Construction Documents.
- G. All doorways shall be numbered, and a door sign shall be installed adjacent to the opening side of the door. Refer to the interior signage specification for lettering. Door numbering shall comply with accessibility code. Do not install door numbering directly on the door.
- H. Refer to related work in the Hardware section of this guideline.

PART 2 – MATERIALS

- 2.01 **Exterior Metal Doors:** Provide extra heavy duty “monumental” quality, insulated metal doors. Door shall be seamless at face and edges. Minimum dimension per each leaf shall be 3’ wide x 7’ high.
- 2.02 **Interior Metal Doors:** Provide heavy duty, seamless metal door. Minimum dimension per each leaf shall be 3’x7’.
- 2.03 **Vision Panel:** Comply w/Florida Fire Prevention Code requirements. Glass shall be wired or wireless fire rated panels set in steel frame or stops according to codes.
- 2.04 **Exterior Door Louvers:** Inverted “Y” blade type louver set in accordance with codes for prevention of vandalism and to support heavy usage. Louver shall be installed compliant w/SDI-111C.
- 2.05 **Exterior Metal Door Frames:** Provide galvanized welded metal frame with factory primed finish. Minimum 14 ga. Frame should be prepped for card access security, if applicable.
- 2.06 **Interior Metal Frames:** Provide minimum 16 ga. factory primed finish.
- 2.07 **Interior Wood Doors:** Provide solid core wood door. Wood doors with natural finish shall be treated with insoluble coating is resistant to marring, abrasion and staining.
- 2.08 **Plastic Faced Wood Doors:** Plastic laminate face shall conform to NEMA LD-3. Adhesives for both exterior and interior doors shall conform to ANSI/NWMA-I.S.1.

PART 3 – EXECUTION

- 3.01 Frames shall be installed plumb, level, rigid and in true alignment as recommended by ANSI/SDI A250.11.
- 3.02 Frames shall be properly anchored to prevent movement of frame during the opening and closing of the door. Frames in masonry shall be fully grouted. For all exterior doors other than building service doors (i.e. electrical room, mechanical room, etc.) provide conduit for card access prior to grouting.
- 3.03 In steel stud wall, a nest of studs shall be provided to prevent the flexing and breaking of the wall along the door frame. The number and gauge of studs in the nest must be specified. The finished wall shall extend into the doorframe throat opening a minimum of 1-1/2” for wrap-around frames.
- 3.04 All exterior doors shall be insulated doors and include adequate weatherstripping and threshold utilized to conserve energy. If glass vision panels are included, the glass shall be thermal/safety glass and non-reflective.
- 3.05 All exterior doors and operable items shall have an integral finish applied by the manufacturer.
- 3.06 Where two doors swing from the same mullion, provide minimum 18 ga. mullion and reinforcing.

END OF SECTION