PART I - GENERAL

1.1 REFERENCES
   A. ANSI/SDI A250.8-2003 (R2008)

PART 2 - PRODUCTS

2.1 STEEL DOORS AND FRAMES

A. Acceptable Manufacturers
   1. Curries
   2. Pioneer
   3. Republic

B. Materials
   1. Metal Doors – Exterior and/or wet locations:
      a. SDI level 3 minimum. Hollow metal doors shall be constructed of 16 gauge
         minimum galvanized face sheets, conforming to ASTM A924 G90, welded to a
         steel channel frame. Steel channel frame to be continuous all sides of door.
         Plastic fillers are not acceptable.
      b. SDI Model 2, continuous welded vertical edges to join face sheet to channel frame.
         Welds are to be ground, filled and dressed smooth to make them invisible. Skins
         shall not be crimped, interlocked or glued.
      c. Cores shall be polystyrene bonded to both face sheets.
   2. Metal Doors - Interior:
      a. SDI level 3 minimum. Face sheets are to be made of commercial quality 16 gauge
         cold rolled steel that complies with ASTM A366 or 620.
      b. SDI Model 2. Continuous welded vertical edges to join face sheet to channel frame.
         Welds are to be ground, filled and dressed smooth to make them invisible. Skins
         shall not be crimped, interlocked or glued.
      c. Cores shall be one piece honeycomb.
   3. Metal Frames – Exterior and/or wet locations:
      a. SDI level 4. 14 gauge hot dipped zinc coated steel that complies with ASTM
         designations A924 G90.
      b. Frames to be constructed with closed and tight mitered seams. Weld seams and
         full web of frame, corner or intersection. Grind and dress smooth weld area. Apply
         a zinc rich primer over the grinding area, and finish with a matching prime paint.
      c. No knock-down hollow metal frames will be allowed.
d. Reinforce frame to accept closer, whether a closer is specified or not.

4. Metal Frames – Interior:
   a. SDI level 3. 16 gauge minimum that complies with ASTM A366 or A620.
   b. Frames to be constructed with closed and tight face miter seams. Weld face miter seams. Grind and dress smooth weld area, finish with a matching prime paint.
   c. No knock-down hollow metal frames will be allowed.
   d. Reinforce frame to accept closer, whether a closer is specified or not.

2.2 DOORS AND FRAMES IN ELEVATOR MACHINE ROOMS

A. Doors and frames in elevator machine rooms shall meet all requirements listed in this Section, and in addition shall have the following characteristics:
   1. 42” wide door
   2. Door swings out of the space
   3. Heavy-duty closer (see Section 08 71 00)
   4. Storeroom Function Lockset (see Section 08 71 00)
   5. Fire rated in accordance with Code

PART 3 - EXECUTION

3.1 STEEL DOORS AND FRAMES

A. Frames in Masonry Walls: Door frames in masonry walls shall be back-primed with bituminous coating and grouted solid. Provide a minimum of three anchors per jamb.

B. Frames in Stud Walls: Door frames in stud walls shall have a minimum of three anchors on each side, attached to double studs that extend full height of wall. Door frames shall be securely anchored to the floor.
   1. Doors and Frames in Elevator Machine Rooms:

C. Installation:

D. Install all door and frames in accordance with ANSI/SDI A250.8-2003 (R2008)

END OF SECTION 08 11 13

This section of the U of I Facilities Standards establishes minimum requirements only. It should not be used as a complete specification.