

**MEDALLION ENTRY SYSTEMS, INC.
STAINLESS STEEL DOOR AND FRAME
SPECIFICATIONS**

1. Doors:

- a. Stainless Steel Doors shall be as manufactured by Medallion Entry Systems, Inc., Indianapolis, Indiana
- b. Doors shall be rigid, neat in appearance, and free from defects, warp and buckle. Where molded details are required, they shall be sharp in detail, straight and true. All louvers and other required inserts shall be constructed and installed in doors at the fabricators plant, unless otherwise approved.
- c. Doors shall be prepared to receive hardware as specified in the finish hardware schedule.
- d. Door face sheets shall be 14, 16, or 18 gauge, type 304 or 316, #4 finish stainless steel.
- e. Doors shall be internally reinforced and sound deadened with polystyrene or honeycomb. Cores shall be laminated to the inside face sheets completely filling the inside of the door.
- f. All doors shall have 14 gauge stainless steel vertical reinforced edge channels full height of the door on both hinge and lock stiles.
- g. Doors shall have a 1/8" in 2" bevel on hinge and lock edges.
- h. Doors shall be reinforced across top and bottom with continuous stainless steel 14 gauge channels. Close flush with stainless steel caps or fully welded and polished where noted.
- i. Doors shall be mortised and fully adequately reinforced for hardware. Mortised hardware reinforcements shall be drilled and tapped at the factory. Reinforcements for surface applied hardware shall be drilled and tapped in the field by others. All components shall be stainless steel. No carbon steel is allowed.
- j. Doors shall be provided with 3/16" thick stainless steel strap hinge reinforcements.
- k. There shall be no seams on the faces or edges of the doors. Vertical edges of doors shall be continuously seam welded, ground smooth and polished, full height of the door. Mechanical joints or intermittently welded seams on either the edges or face of the door will not be permitted.
- l. Glazing moldings shall be not less than 18 gauge stainless steel and secured to the door with stainless steel self-tapping metal screws.

2. Frames:

- a. Stainless steel frames for doors, viewing windows and other openings shall be custom fabricated to the types and sizes indicated on the drawing and specified herein. Frames shall be welded
- b. Fabricate frames of type 304 (316 available) stainless steel, 16 gauge for interior and 14 gauge for exterior
- c. The head and jambs shall have welded joints with all contact edges closed tight. Miter or butt, and face-weld the corner joints from the outside. Dress all exposed welds flush and smooth. Faces of frames at junction of head and jambs shall present neat line joints, with no visible seams or discoloration from welds.
- d. Provide anchors to secure frames to adjoining construction. Anchors shall be stainless steel and not be lighter than 16 gauge unless otherwise specified. Anchors for oversized or special profile frames shall be as required by the door manufacturer.
- e. Provide a minimum of three wall anchors for each jamb. Locate anchors opposite top and bottom hinges and midway between.
- f. At masonry, provide anchors of stainless steel, adjustable or T shaped as required
- g. At stud partitions, provide stainless steel anchors welded or otherwise securely fastened to back of frames. Anchors shall be suitable for fastening to closed studs, open steel studs, and wood studs.
- h. At existing openings prepare frames for anchors suitable for securing with expansion type fasteners.
- i. Provide floor or sill anchors at the bottom of each jamb member. Anchors shall be securely welded inside each jamb.
- j. For welded frames a temporary spreader bar will be tack welded to the feet of jambs to serve as bracing during shipping and handling.
- k. Where noted, jambs shall be fabricated with hospital stops capped at 45 degrees. Height of bottom of stop shall be as detailed.
- l. Stainless steel reinforcement; Frames shall be mortised, reinforced, drilled and tapped for all mortised hardware. Frames shall be reinforced for surfaced applied hardware with drilling and tapping to be done in field by others. All components shall be stainless steel, No carbon steel is allowed.