

08 1113 - Hollow Metal Doors and Frames

- A. Hollow Metal Doors and Frames shall comply with the National Association of Architectural Metal Manufacturers ANSO/NAAMM HMMA 861-06 "Guide Specifications for Commercial Hollow Metal Doors and Frames".
- B. Hollow Metal Doors and Frames shall comply with ANSI UL-10B,10C and 1784.
- C. Fire rated door assembly units shall comply with NFPA 80, 101 and must be labeled and listed by Underwriters Laboratories (UL) or Interek.
- D. Standard Hollow Metal work shall be fabricated in accordance with NAAMM HMMA 802-07.
- E. Exterior doors shall have minimum 16 gauge faces with minimum 14 gauge one piece welded frame. Heavier door frames shall be considered by the Design Professional for doors with heavy usage or over 7 feet in height. All frames shall be heavily reinforced at hinge, strike and closer locations. Exterior frames shall be galvanized. The top channel of each metal door shall be turned web up to avoid a dirt pocket or moisture trap. Louvered doors and full glazed doors shall have a minimum 12 inch high smooth bottom rail.
- F. Interior doors shall have minimum 16 gauge faces with minimum 14 gauge one piece welded frame. Heavier doors shall be considered by the Design Professional for doors with heavy usage or over 7 feet in height. Louvered doors and full glazed doors shall have a minimum 12 inch high smooth bottom rail.
- G. All doors shall be factory prepped to receive the finish hardware as scheduled in the reviewed and approved Finish Hardware Schedule and the requirements of NAAMH HMMA 861-14.
- H. Knockdown frames are prohibited unless approved by the Project Manager. Such frames may be used in movable partitions or where it is not feasible to install one piece welded frames if approved.
- I. Hollow Metal Doors shall carry the standard industry warranty. The warranty shall include the rehang and finishing of doors at no cost to the University.
- J. Submittals
 - 1. Submit documentation that the Manufacturer has been producing Hollow Metal Work for a minimum of five years and has a record for financial responsibility and for performing the quality of work required by the Construction Documents.
 - 2. Submit shop drawings for the fabrication of all Hollow Metal Work. Include details of each frame type, elevations of design types, conditions at openings, details

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of construction, locations and installation requirements of finish hardware and reinforcements, and details of joints and connections. Show all anchorages and necessary ancillary items.

3. Submit all additional information required to show compliance with the requirements of this section.
4. Submit a 12 inch by 12 inch sample corner section of a typical frame showing details of construction and finish.
5. Submit a 12 inch by 12 inch sample corner of a typical door showing details of construction and finish.
6. Submit a sample of the Manufacturer's Warranty for review and approval.
7. Submit samples of accessories as requested by the Design Professional.

End of 08 1113 Hollow Metal Doors and Frames