

SECTION 08 11 13
HOLLOW METAL DOORS AND FRAMES
Design Standard

PART 1 GENERAL

1.1 PURPOSE:

Interior doors play an important role in the user's experience of the interior built environment, and are perhaps the most intimately experienced element of the interior built environment, because they are used daily to enter and exit the rooms and spaces within a building. Doors should be inviting, easy to find, easy to use, durable and maintainable, add aesthetic value to the interior environment, and allow authorized entries while restricting unauthorized entries. painted hollow metal doors for interior non-public area doors. The interior door design standards cited herein are intended to establish and maintain a minimum level of interior door quality in the educational and work facilities of San Mateo County Community SMCCCD has standardized College District buildings.

A. Sustainability Requirements:

1. San Mateo County Community College District is strongly committed to promoting sustainability throughout their campus projects. Section 01 81 13 Sustainability of the Design Standard provides guidelines and recommendations for implementing sustainability strategies. Where relevant, specific sustainability criteria is noted in this section; however, each project team should review and cross reference that front section while developing the specific project and its documentation. Each discipline shall confirm that specific performance and manufacturer information provided in the specification section is in alignment with code requirements, LEED criteria, and any other goals for sustainability.
2. Greenguard certified doors and frames

1.2 REFERENCE STANDARDS:

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design;
- B. ANSI A250.3 - Test Procedure and Acceptance Criteria for Factory-Applied Finish Painted Steel Surfaces for Steel Doors and Frames
- C. ANSI A250.8 - SDI-100 Recommended Specifications for Standard Steel Doors and Frames
- D. ANSI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames
- E. BHMA A156.115 - Hardware Preparation in Steel Doors and Steel Frames
- F. ICC A117.1 - Accessible and Usable Buildings and Facilities; International Code Council
- G. ITS (DIR) - Directory of Listed Products; Intertek Testing Services NA, Inc.; current edition.
- H. NAAMM HMMA 840 - Guide Specifications for Installation and Storage of Hollow Metal Doors and Frames; The National Association of Architectural Metal Manufacturers
- I. NAAMM HMMA 860 - Guide Specifications for Hollow Metal Doors and Frames; The National Association of Architectural Metal Manufacturers
- J. NAAMM HMMA 861 - Guide Specifications for Commercial Hollow Metal Doors and Frames; The National Association of Architectural Metal Manufacturers

- K. NAAMM HMMA 865 - Guide Specifications for Sound Control Hollow Metal Doors and Frames; The National Association of Architectural Metal Manufacturers
- L. NFPA 80 - Standard for Fire Doors and Other Opening Protectives
- M. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies; National Fire Protection Association
- N. UL 10B - Standard for Fire Tests of Door Assemblies; Current Edition, Including All Revisions.
- O. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies; Current Edition, Including All Revisions.

PART 2 - PRODUCTS

2.1 DOORS

- A. Extra Heavy-Duty Doors to meet ANSI A250.8, Level 3. Physical performance: Level A according to ANSI A250.4
 - 1. Painted hollow metal doors are to be used for non-public type spaces, such as utility rooms, maintenance shops, warehouses, and theatrical back-of-house areas such as oversized scene shop doors. Exceptions shall be approved by the Vice Chancellor of Facilities.
 - 2. Face: Cold-rolled steel sheet, minimum thickness of 0.053 inch (1.3 mm).
 - a. Exterior Locations: Metallic-coated.
 - b. Interior Locations: Uncoated.
 - 3. Edge Construction: Model 1, Full Flush.
 - 4. Core:
 - a. Interior: Manufacturer's standard kraft-paper honeycomb,
 - b. Exterior: Polystyrene, polyurethane, or polyisocyanurate.
- B. For wood doors to be installed in hollow metal frames refer to Section 08 14 16.

2.2 FRAMES

The design professional shall select the appropriate frame for new construction, retrofit installations, or retrofit replacements. Extra heavy-duty frames to meet ANSI A250.8, Level 3. Physical performance: Level A according to ANSI A250.4

- 1. Specify full profile welded frames for typical new construction.
- 2. Specify knock-down frames for installations where wall finishes are existing condition.
- 3. Materials
 - a. Interior Exposure: Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B; suitable for exposed applications.
 - b. Exterior Exposure: Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS), Type B.

2.3 FINISHES

- A. Prime Finish: Clean, pretreat, and apply manufacturer's standard primer.
- B. Paint grade hollow metal doors and frames shall be painted the same color as the surrounding wall finish, to allow the doors to visually "disappear" to reinforce that the doors are not for public access.
- C. Knock down frames shall be painted the same color as the surrounding wall finish.
- D. Paint finish as specified in Division 09 Section "Painting".

2.4 APPROVED MANUFACTURERS

- A. List a minimum of 3 manufacturers:
- B. Manufacturers: Subject to compliance with requirements provide products by one of the following:
 - 1. Ceco Door; ASSA ABLOY.
 - 2. Curries Company; ASSA ABLOY.
 - 3. DKS Steel Door and Frame Systems Inc.
 - 4. Republic Doors and Frames.
 - 5. Steelcraft; an Allegion brand.

PART 3 - EXECUTION

3.1 SUBSTITUTIONS ALLOWED?

Allowed in general however subject to SMCCCD approval

3.2 ASSOCIATED DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS

Physical Access Control & Security Management System Design Standard

END OF SECTION