

SECTION 081113

STEEL DOORS AND FRAMES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Steel doors and frames; non-rated and fire rated.

1.2 SUBMITTALS

- A. Shop Drawings: Indicate door and frame elevations, internal reinforcement, cut-outs for glazing, and finish.
- B. Product Data: Indicate door and frame configurations, location of cut-outs for hardware reinforcement.

1.3 QUALITY ASSURANCE

- A. Conform to the following:
  - 1. SDI-100 - Standard Steel Doors and Frames.
  - 2. DHI - Door Hardware Institute - The Installation of Commercial Steel Doors and Steel Frames, Insulated Steel Doors in Wood Frames and Builder's Hardware.
  - 3. Fire Rated Door and Frame Construction: ASTM E152
  - 4. Handicapped: ANSI A117.1.
- B. Certification: All steel doors and frames shall be delivered to the site bearing the certification label of conformance to Steel Door Institute (SDI) Standards.

PART 2 PRODUCTS

2.1 DOORS AND FRAMES

- A. Manufacturers:
  - 1. Ceco Door Products
  - 2. Benchmark Metal Doors and Frames
  - 3. Curies Hollow Metal Doors and Frames, Series 707N  
Style as indicated on the Door Schedule.
- B. Exterior Doors: SDI-100 Grade II. Galvanized.
- C. Interior Doors: SDI-100 Grade II.
- D. Exterior Frames: 16 gage galvanized thick material, core thickness.
- E. Interior Frames: 18 gage thick material, core thickness.
- F. Door Core: As indicated on the Door Schedule
- G. Thermal Insulated Door: Total insulation R value of 15 (Solid Door).

- H. Sound Rated Door: STC of 22, measured in accordance with ASTM E413.
- 2.2 ACCESSORIES

- A. Silencers: Resilient rubber.
- B. Primer: Zinc chromate.

2.3 FABRICATION - DOORS

- A. Fabricate doors with hardware reinforcement welded in place.
- B. Attach fire rated label to each rated door unit. (See Door Schedule).

2.4 FABRICATION - FRAMES

- A. Fabricate frames as knock down units.
- B. Fabricate frames with hardware reinforcement plates welded in place.
- C. Reinforce frames wider than 48 inches with roll formed steel channels fitted tightly into frame head, flush with top.
- D. Prepare frame for silencers and install.

2.5 FINISH

- A. Steel Sheet: Galvanized to ASTM A525 G60.
- B. Primer: Baked.
- C. Coat inside of frame profile with bituminous coating.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install doors and frames in accordance with ANSI/SDI-100.
- B. Coordinate installation of doors and frames with installation of hardware specified in Section 08710.
- C. Coordinate with wallboard construction for frame anchor placement.
- D. Install door louvers, plumb and level.
- E. Coordinate installation of glass and glazing.

3.2 TOLERANCES

- A. Maximum Diagonal Distortion: 1/16 inch measured with straight edge, corner to corner.

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West Clarkstown Road, New City, NY

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3.3 SCHEDULE - See Door Schedule.

END OF SECTION