

## SECTION 08311 - ACCESS DOORS AND FRAMES

## PART 1 - GENERAL

## 1.1 SUMMARY

- A. Section Includes:
  - 1. Fire-rated and non-rated access doors and frames for walls and ceilings.
- B. Related Requirements:
  - 1. Section 09250 - Gypsum Board: Openings in gypsum board ceilings.
  - 2. Section 09900 - Paints and Coatings: Field paint finish.

## 1.2 REFERENCES

- A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.
- B. ASTM International (ASTM):
  - 1. ASTM A 653 - Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
  - 2. ASTM A 879 - Steel Sheet, Zinc Coated by the Electrolytic Process for Applications Requiring Designation of the Coating Mass on Each Surface.
  - 3. ASTM A 1008 - Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable.
  - 4. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials.
- C. National Fire Protection Association (NFPA):
  - 1. NFPA 80 - Fire Doors and Windows.
  - 2. NFPA 252 - Fire Tests for Door Assemblies.
- D. Underwriters Laboratories (UL):
  - 1. UL 10B - Fire Tests of Door Assemblies.
  - 2. UL 263 - Fire Tests Of Building Construction And Materials.

## 1.3 QUALITY ASSURANCE

- A. Perform Work in accordance with UL requirements.
- B. Fire-Rated Access Doors and Frames: Provide units complying with NFPA 80 that are identical to assemblies tested for fire-test-response characteristics per the following test method and that are listed and labeled by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
  - 1. NFPA 252 or UL 10B for vertical access doors and frames.
  - 2. ASTM E 119 or UL 263 for horizontal access doors and frames.

## PART 2 - PRODUCTS

## 2.1 MANUFACTURERS

- A. Provide access doors by one of the following manufacturers:
  - 1. Milcor, Inc (Commercial Products Group) Bensenville, IL; Contact Don Fessendon (630) 595-7320.
  - 2. Acudor Products, Inc., Fairfield, NJ. (800) 722-0501.
  - 3. Nystrom Building Products, Minneapolis, MN. (800) 547-2635 or (612) 781-7850.

## 2.2 STEEL MATERIALS

- A. Steel Sheet: Uncoated or electrolytic zinc-coated, ASTM A 879 with cold-rolled steel sheet substrate complying with ASTM A 1008, Commercial Steel (CS), exposed.
- B. Metallic-Coated Steel Sheet: ASTM A 653, Commercial Steel (CS) with A60 zinc-iron-alloy (galvannealed) coating or G60 mill-phosphatized zinc coating.
- C. Drywall Beads: 0.0299-inch zinc-coated steel sheet to receive joint compound.
- D. Manufacturer's standard finish factory primed finish.

## 2.3 ACCESS DOORS AND FRAMES FOR WALLS AND CEILINGS

- A. Flush Access Doors and Frames:
  - 1. Fabricated from steel sheet
  - 2. Exposed Trim Type:
    - a. Model NT by Nystrom.
    - b. Model M 3202 by Milcor.
    - c. Model UF 5000 by Acudor.
  - 3. Trimless Frame:
    - a. Model MW by Nystrom.
    - b. Model DW 3203 by Milcor.
    - c. Model DW 5040 by Acudor.
  - 4. Locations: Wall and ceiling.
  - 5. Door: Minimum 0.060-inch- thick sheet metal.
  - 6. Frame: Minimum 0.060-inch- thick sheet metal with 1-1/4-inch- wide, surface-mounted trim.
  - 7. Hinges: Spring-loaded, concealed-pin type or continuous piano.
  - 8. Latch: Cam latch with interior release. Provide latch for all units unless specified to have locks.
  - 9. Lock: Cylinder with 2 keys. Provide lockable cylinders as follows:
    - a. Exterior locations.
  - 10. Units larger than 24 inches on the hinge side shall have two locks or latches.
- B. Fire-rated, Insulated, Flush Access Doors and Frames:
  - 1. Fabricated from steel sheet
  - 2. Exposed Trim or Trimless Type:
    - a. Model IT or IW by Nystrom
    - b. Model UFR 3218 by Milcor.
    - c. Model FW 5050 by Acudor.
  - 3. Locations: Wall and ceiling surfaces.
  - 4. Fire-Resistance Rating: Not less than that of adjacent construction.
  - 5. Temperature Rise Rating: 250 deg F at the end of 30 minutes.
  - 6. Door: Flush panel with a core of mineral-fiber insulation enclosed in sheet metal with a minimum thickness of 0.036 inch.
  - 7. Frame: Minimum 0.060-inch- thick sheet metal with 1-inch- wide, surface-mounted trim.
  - 8. Hinges: Concealed-pin type or continuous piano.
  - 9. Automatic Closer: Spring type.
  - 10. Latch: Self-latching device operated with interior release.
  - 11. Size: Minimum 24 x 36 inches except where otherwise shown on the drawings.
- C. Trash Chute Door: Coordinate size of trash chute access door with trash compactor vendor.
- D. Substitutions: Not Permitted.

## 2.4 FINISH

- A. Base Metal Protection: Factory prime coat units with electrostatic baked on electrostatic powder. For ceiling units, prime exposed edges with coat of white rust-inhibitive paint.

## PART 3 - EXECUTION

### 3.1 INSPECTION

- A. Verify rough openings for door and frame are correctly sized and located.
- B. Beginning of installation means acceptance of existing conditions.

### 3.2 INSTALLATION

- A. Install units in accordance with manufacturer's instructions.
- B. Install units plumb, square and flush with adjacent ceiling or wall surface. Secure rigidly in place.
- C. Position to provide convenient access to concealed work requiring access.
- D. Provide weather tight installation at exterior locations

### 3.3 ACCESS DOOR SCHEDULE

- A. Provide access door and frame suitable for the application.
- B. Install trimless access door and frame in interior gypsum board walls and ceilings and other locations suitable and adaptable for trimless installation
- C. Install exposed trim access door and frame where at exterior locations and where impractical to install trimless installation.
- D. Install access doors in ceilings and walls in locations as shown on the Drawings, at valves, controls, and manual dampers requiring access, and as required by code and governing authorities.
- E. For access doors adjacent to secure areas (Cash/Counting Room), coordinate location with Walmart Construction Manager.

END OF SECTION