

SECTION 08310
ACCESS DOORS

PART1 GENERAL

1.1 SECTION INCLUDES

- A. Access doors, fire rated and non-rated.

1.2 RELATED SECTIONS

- A. Section 04220 - Concrete Masonry Units.
- B. Section 06100 - Rough Carpentry.
- C. Section 09250 - Gypsum Board.
- D. Section 09510 - Acoustical Tile Ceilings.
- E. Section 15820 - Duct Accessories.

1.3 SUBMITTALS

- A. Comply with Section 01001 - Submittal Procedures.
 - 1. Product Data: Submit manufacturer's product data, including installation instructions.
 - 2. Test Reports: Submit test reports or approvals from UL, Warnock Hersey, and California State Fire Marshall for fire-rated access doors.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials indoors in a clean, dry area in accordance with manufacturer's instructions.
- C. Handling: Protect materials and finishes from damage during handling and installation.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Larsen's Manufacturing
- B. Milcor
- C. The William's Brothers Corporation
- D. Substitutions: Permitted.

2.2 FIRE-RATED ACCESS DOORS

- A. Fire-Rated Access Doors: Fire Rated Wall Access Door:
 - 1. UL Listed: 1-1/2 hour, B Label, 250 degrees F maximum temperature rise in 30 minutes, for vertical wall installations.
 - 2. Warnock Hersey Listed: 1-1/2 hour rating for vertical wall assemblies.
 - 3. California State Fire Marshall Approval: 2 hour fire-rated wall assembly.
 - 4. Door and Trim: 14 gauge steel. Rolled safety edges on inside of door.
 - 5. Return Frame: 16 gauge steel.

6. Insulation: 1-7/8 inches thick mineral wool, sandwiched between 2 pieces of 22 gauge steel.
 7. Hinge: Full-length semi-concealed piano hinge. Opens 180 degrees. On long side of door.
 8. Latches: Self-latching keyed cylinder paddle latch, 151 key code, opposite hinge.
 9. Automatic panel closer.
 10. Inside panel release.
 11. Finish: Electrostatically-applied, baked grey enamel coat over rust-inhibiting phosphate treated steel.
 12. Hot smoke seal gasketing.
- B. Fire-Rated Access Doors: Fire-Rated Ceiling Access Door.
1. Warnock Hersey Listed: 1 hour rating for combustible floor/ceiling assemblies. 3 hour rating for non-combustible floor/ceiling assemblies.
 2. Door: 16 gauge steel, recessed pan.
 3. Frame: 16 gauge steel, hat channel configuration.
 4. Insulation: 1/2 inch thick ceramic fibreboard.
 5. Hinge: Full-length semi-concealed piano hinge. Opens 180 degrees. On long side of door.
 6. Latches: Self-latching direct action lock, opposite hinge. Lock to accept both key and knurled knob.
 7. Automatic Panel Closer: Spring-operated, controlled by pneumatic tube.
 8. Finish: Electrostatically-applied, baked white enamel coat over rust-inhibiting phosphate treated steel.

2.3 GENERAL PURPOSE ACCESS DOORS

- A. Access Doors: General Purpose Access Door.
1. Door and Trim: 14 gauge steel. Trim 1-1/2 inches wide.
 2. Return Frame: 18 gauge steel. Depth 1-3/4 inches.
 3. Hinges: Fully-concealed. Opens 170 degrees. On long side of door. Number of hinges varies with size of door.
 4. Latches: Flush, stainless steel cam-operated with screwdriver. Positioned opposite hinge and at top and bottom on larger sizes.
 5. Finish: Electrostatically-applied, baked grey enamel coat over rust-inhibiting phosphate treated steel.
 6. Masonry Anchor Straps: Minimum of 4 straps per door.
 7. Cylinder Lock: Keyed alike with 2 keys per lock.
 8. Mortise Series Lock: Prepped to accommodate lock.
 9. Screws: Tamper-proof.
 10. Gaskets: Weather-resistant and air-tight neoprene gaskets.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive access doors. Notify Architect if areas are not acceptable. Do not begin installation until unacceptable conditions have been corrected.

3.2 INSTALLATION

- A. Install access doors in accordance with manufacturer's instructions at locations indicated on the drawings.
- B. Install access doors plumb, level, square, rigid, without warp or rack.
- C. Provide proper support for frames.
- D. Anchor frames securely in place.

- E. Use manufacturer's supplied hardware.
- F. Replace defective or damaged doors or other components as directed by Architect.

3.3 ADJUSTING

- A. Adjust access doors and latches for smooth operation without binding.
- B. Inspect and adjust locks to operate properly.
- C. Touch-up marred finishes with manufacturer supplied paint.

3.4 CLEANING

- A. Clean surfaces in accordance with manufacturer's instructions.
- B. Do not use abrasive cleaners.

3.5 PROTECTION

- A. Protect access doors and finish from damage during construction.

...END OF SECTION 08310