

SECTION 08310
ACCESS DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes:
 - 1. Non-fire rated ceiling access panels.
 - 2. Related hardware and attachments.
- B. Related Sections:
 - 1. Section 09220 - Plaster.
 - 2. Section 09250 - Gypsum Board Assemblies.
 - 3. Section 09900 – Paint.
 - 4. Division 15 - Mechanical.
 - 5. Division 16 – Electrical.

1.2 SYSTEM DESCRIPTION

- A. Design Requirements:
 - 1. Verification: Obtain specific locations and sizes for required access doors and frames from trades, including mechanical and electrical, requiring access to concealed equipment and indicate on submittal schedule.

1.3 SUBMITTALS

- A. Comply with Section 01300
- B. Shop Drawings:
 - 1. Door and panel units: Show types, elevations, thickness of metals, full size profiles of door members.
 - 2. Hardware: Show materials, finishes, locations of fasteners, types of fasteners, locations and types of operating hardware, and details of installation.
 - 3. General: Show connections of units and hardware to other Work. Include schedules showing location of each type and size of door and panel units.
- C. Product Data: Manufacturer's technical data for each type of access door and panel assembly, including setting drawings, templates, fire-resistive characteristics, finish requirements, and details of anchorage devices.
 - 1. Include complete schedule, types, locations, construction details, finishes, latching or locking provisions, and other pertinent data.
- D. Manufacturer's Installation Instructions: Indicate installation requirements and rough-in dimensions.
 - 1. Shop drawings.
 - 2. Manufacturer's literature and data.

1.4 QUALITY ASSURANCE

- A. Comply with Section 01400
- B. Single Source Responsibility: Obtain access door and panel units, and frames for entire Project from 1 source and 1 single manufacturer.

- C. Fire-Resistance Ratings: Wherever a fire-resistance classification is indicated, provide access door and panel assemblies with panel door, frame, hinge, and latch from manufacturer listed in Underwriter's Laboratories (UL), "Building Materials Directory" for rating shown.
 - 1. Provide 90 minute UL label at 2-hour rated partitions.
 - 2. Provide 3 hour label at horizontal applications, up to 24 inch wide x 36 inch high.
 - 3. Provide 2 hour label at horizontal applications greater than 24 inch wide x 36 inch high.
- D. Size Variations: Obtain Architect's acceptance and approval of manufacturer's standard size units that may vary slightly from sizes indicated on Drawings.
- E. Coordination: Provide inserts and anchoring devices that will be built into other Work for installation of access door assemblies. Coordinate delivery with other Work to avoid delay.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Comply with Section 01500
- B. Package and ship in accordance to manufacturer's recommendations.
- C. Store in compliance to manufacturer's instructions.
 - 1. Store in dry area out of direct sunlight.

1.6 WARRANTY

- A. Provide manufacturer's written warranty.
- B. Warrant materials and workmanship against defects after completion and final acceptance of Work.
 - 1. Repair defects, or replace with new materials, faulty materials or workmanship developed during the guarantee period at no expense to Owner.
 - 2. Access Panel Warranty: 1 year from date of Substantial Completion of Project.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Subject to compliance with requirements, provide products from the following manufacturer:
 - 1. Babcock-Davis
9300 73rd Ave. N
Brooklyn Park, MN 55428
Toll Free Hotline: 888-412-3726
Toll Free Fax: 888-312-3726
Direct Phone: 763.488.9247
Direct Fax: 763.488.9248
E-Mail: info@babcockdavis.com
Internet: www.babcockdavis.com
- B. Substitutions: Comply with Section 01600
- C. Specifications and Drawings are based on manufacturer's proprietary literature from Nystrom Building Products. Other manufacturers shall comply with minimum levels of material, color selection, and detailing indicated in Specifications or on Drawings. Architect will be sole judge of appropriateness of substitutions.

2.2 MATERIALS

- A. Commercial quality, cold steel sheet with baked on rust inhibitive gray primer.

2.3 ACCESS PANELS

- A. Non rated flush access doors, Babcock-Davis B-NP series
 - 1. Door: Fabricate from 14-gauge cold rolled sheet steel.
 - 2. Frame: Fabricate from 16-gauge cold rolled sheet steel. Provide ¼" mounting holes.
B-NP - Plaster surfaces – 22-gauge galvanized plaster bead at perimeter.
 - 3. Hinge: Concealed pin type, spring loaded to allow for door removal, set to open 175 degrees.
 - 4. Key operated cylinder cam lock with two (2) keys per lock, keyed alike.
 - 5. Finish: Phosphate dipped with factory applied prime coat.

2.4 FABRICATION

- A. Manufacture each access panel assembly as an integral unit ready for installation.
- B. Welded construction: Furnish with a sufficient quantity of ¼" mounting holes to secure access panels to types of supports indicated.
- C. Furnish number of latches required to hold door in flush, smooth plane when closed.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that rough openings for door and frame are correctly sized and located.
- B. Verify mechanical and electrical requirements for ceiling or wall access panels.
- C. Verify conditions are ideal for suitable installation.

3.2 PREPARATION

- A. Advise installers of work relating to access panel installation including rough opening dimensions, locations of supports, and anchoring methods. Coordinate delivery with other work to avoid delay.

3.3 INSTALLATION

- A. Install access door and frame units per manufacturer's written instructions.
- B. Install frames plumb and level in opening. Secure rigidly in place.
- C. Position units to provide convenient access to concealed Work requiring access.
- D. Follow manufacturer's instructions for installing access panels.
- E. Set frames to proper alignment with the wall or ceiling.
- F. Position access panels for proper access to concealed equipment requiring access.

3.4 ADJUST AND CLEAN

- A. Adjust panel after installation for proper operation.
- B. Remove and replace panels or frames that are warped, bowed, or damaged.

END OF SECTION 8310