

*This section includes metal access door and frame units for floors, single thickness or double thickness insulated; without fire resistance ratings; for accessing mechanical, electrical and other concealed items requiring maintenance admission. Fire-rated floor access doors are specified in 08 31 14; wall and ceiling access doors are specified in Section 08 31 13; access doors for ducts are described in Section 23 33 00. This section should be referenced from mechanical, electrical and other sections requiring access door or floor panels and frame units. This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.*

## **Part 1          General**

### **1.1            SECTION INCLUDES**

- A.    Non-fire rated floor access door and frame units.

### **1.2            RELATED SECTIONS**

- A.    Section [\_\_\_\_\_-\_\_\_\_\_]: Openings in concrete.
- B.    Section [\_\_\_\_\_-\_\_\_\_\_]: Openings in masonry.
- C.    Section [\_\_\_\_\_-\_\_\_\_\_]: Openings in partitions.
- D.    Section 08 31 13 - Access Doors and Frames: Openings in ceilings.
- E.    Section 08 31 14 - Fire-Rated Floor Access Doors and Frames.
- F.    Section 09 91 10 - Painting: Field paint finish.
- G.    Section [\_\_\_\_\_-\_\_\_\_\_]: [\_\_\_\_\_] components requiring access.
- H.    Section [\_\_\_\_\_-\_\_\_\_\_]: Mechanical components requiring access.
- I.    Section 23 33 00 - Duct Work Accessories: Access doors in ductwork.
- J.    Section [\_\_\_\_\_-\_\_\_\_\_]: Electrical components requiring access.

*List sections which specify installation of products specified in this section; indicate specific items.*

- K.    Section [\_\_\_\_\_-\_\_\_\_\_]: Placement of access frame unit anchors in [concrete] [\_\_\_\_\_].

### **1.3            REFERENCES**

*List reference standards that are included within the text of this section. Edit the following as required for project conditions.*

- A.    CAN/CSA-A440-00/A440.1-00 (R2005) - User Selection Guide to CSA Standard A440-00, Windows.

### **1.4            DESIGN REQUIREMENTS**

*Use this article carefully; restrict statements to identify system design requirements only.*

- A. Fabricate floor access assemblies to support live load of 700 kg/sq m (150 lb/sq ft) with deflection not to exceed [1/180] [1/240] [\_\_\_\_] of span.

### **1.5 SUBMITTALS FOR REVIEW**

*Do not request submittals if drawings sufficiently describe the products of this section or if proprietary specifying techniques are used. The review of submittals increases the possibility of unintended variations to drawings, thereby increasing the specifier's liability. The following submittals are intended for review and approval or other action by the Consultant.*

- A. Section 01 33 00: Submission procedures.
- B. Product Data: Provide sizes, types, finishes, hardware, scheduled locations, and details of adjoining work.
- C. Shop Drawings: Indicate exact position of all access door units.

*Use the following paragraph for submission of physical samples for selection of finish, colour, texture, etc.*

- D. Samples: Submit [two] [\_\_\_\_\_] access units of each type specified, [\_\_\_\_x\_\_\_\_] mm ([\_\_\_\_x\_\_\_\_] inch) in size illustrating frame configuration, anchors and [\_\_\_\_\_].

### **1.6 SUBMITTALS FOR INFORMATION**

*The following submittals are informational; responsive action by the Consultant is not required.*

- A. Section 01 33 00: Submission procedures.

*When manufacturer's instructions for specific installation requirements are referenced in Part 3 Execution, include the following request for submittal of those instructions. Edit the Part 3 statements to avoid conflict with manufacturer's instructions.*

- B. Manufacturer's Installation Instructions: Indicate installation requirements, rough-in dimensions and [\_\_\_\_\_].

### **1.7 SUBMITTALS AT PROJECT CLOSEOUT**

*The following submittals are for project close-out purposes.*

- A. Section 01 73 03: Submission procedures.
- B. Record actual locations of all access units.

### **1.8 QUALITY ASSURANCE**

*Include the last sentence of the following paragraph only when the costs of acquiring the specified standards are justified.*

- A. Provide all products specified in this Section from one manufacturer.

### **1.9 PROJECT CONDITIONS**

- A. Section 01 33 00: Coordination and meetings.
- B. Coordinate the work with other work requiring access doors.

## **Part 2            Products**

### **2.1                MANUFACTURERS**

*In this article, list the manufacturers acceptable for this project. Edit the subsequent descriptive specifications to identify project requirements and to eliminate any conflict with specified manufacturer's products.*

- A.     Maxam Series, by Maxam Metal Products Limited.  
         Maxam Metal Products Limited  
         Toll Free Phone: 866-446-2926  
         Toll Free Fax: 866-436-2926  
         Direct Phone: 604-433-4243  
         Direct Fax: 604-433-4148  
         E-mail: info@maxammetal.com  
         Internet: www.maxammetal.com
- B.     [\_\_\_\_\_].
- C.     Substitutions: [Refer to Section 01 61 00.] [Not permitted.]

### **2.2                MATERIALS**

- A.     Aluminum: 6061-T6 aluminum, mill finish.
- B.     Gasketing: Neoprene composition gasketing.

### **2.3                ACCESS UNITS**

*The following paragraphs are used primarily to specify by proprietary method indicating model numbers, and by implication, the various mounting methods. Edit to include only those types required for the project.*

*This article should be coordinated with the more general statements included in the associated Fabrication article.*

- A.     Non-Fire Rated Hatch and Frame Unit: Aluminum:
  - 1.     Exposed doors: Checker plate surface, [single leaf, Model ASF.] [double-leaf, Model ASFD.]
  - 2.     Recessed doors, to accept floor covering: Smooth surface, [single leaf, Model MT.] [double-leaf, Model MTD.]
  - 3.     1 inch recessed door, fillable pan for field installation of thicker floor finishing: Smooth surface, [single leaf, Model PFD.] [double-leaf Model PFDD.]

### **2.4                FABRICATION**

*If proprietary specifying, delete references to metal thicknesses in the following paragraph if the unit construction is inferred by the unit model number.*

- A.     Non-Rated Floor Access Doors:
  - 1.     Frames: Extruded aluminum, 8 mm (5/16 inch) thick.
  - 2.     Doors: Checker plate aluminum, 6.35 mm (1/4 inch) thick. [6.35 mm (1/4 inch) smooth aluminum plate recessed to accept (1/8 inch) or (3/16 inch) or (1 inch) floor covering.]

3. Hinges: [175 degree zinc-plated steel hinges with stainless steel pivot points.]  
[Continuous 316 Stainless Steel alloy piano hinge.]
- B. Weld, fill, and grind joints to assure flush and square unit.
- C. Hardware:
  1. Lift Assist: Counterbalanced door.
  2. Hold Open Arm: Automatically lock door in 90 degree (open) position.
  3. Latch: Zinc plated steel slam latch, with removable cover plug operable from inside by spoon handle, and outside by removable tool.

## **2.5 FINISHES**

*Aluminum doors, particularly recessed doors, are normally provided with mill finish.*

- A. Aluminum Finish: [Mill] [\_\_\_\_\_] finish.

## **Part 3 Execution**

### **3.1 EXAMINATION**

- A. Section 01 73 03: Verification of existing conditions before starting work.
- B. Verify that rough openings for door and frame are correctly sized and located.

### **3.2 INSTALLATION**

- A. Install units in accordance with manufacturer's instructions.
- B. Install frames plumb and level in opening. Secure rigidly in place.
- C. Position unit to provide convenient access to concealed work requiring access.

### **3.3 SCHEDULE**

*Provide a schedule to list typical or specific locations, sizes, types, fire rating, and finishes of access units. Be careful in identifying locations and quantities, and in coordinating with mechanical and electrical work. The following is a "sample" indicating what a project schedule may look like.*

- A. Typical Floor Type: Inset for 3 mm ( 1/8 inch) thick resilient tile finish, 610 x 610 mm (24 x 24 inch) size, removable tool latch.

**END OF SECTION**