**Section 08 31 00**

**Access Door**

**Milcor™ Series M – Architectural Grade Flush Steel Access Door**

**Milcor™ Series MS – Architectural Grade Flush Stainless Steel Access Door**

1. **GENERAL**
	* + 1. RELATED DOCUMENTS
				1. All of the Contract Documents, including General and Supplementary Conditions and Division 01 General Requirements, apply to the work of this Section.
			2. SCOPE
2. Section Includes: Furnishing and installing factory-fabricated fire-rated or non-rated architectural grade access doors.
3. Related Sections: Other specification sections which directly relate to the work of this section include, but are not limited to, the following:

Division 3 - Concrete

Division 4 - Masonry

Division 9 - Finishes

Division 15 - Mechanical

Division 16 - Electrical

* + - 1. SYSTEM DESCRIPTION
1. **Milcor™** - Architectural Grade Flush Steel Access Door - **Series M**
2. **Milcor™** - Architectural Grade Flush Stainless Steel Access Door - **Series MS**
	* + 1. SUBMITTALS
				1. Product Data: Submit manufacturer’s product data.
				2. Shop Drawings:

Door and panel units: Show types, thickness of metals, full size profiles of door members.

Hardware: Show materials, finishes, locations of fasteners, types of fasteners, locations and types of operating hardware, and details of installation.

General: Show connections of units and hardware to other Work.

* + - * 1. Warranty: Submit executed copy of manufacturer’s standard warranty.
			1. QUALITY ASSURANCE
				1. Manufacturer Qualifications: A minimum of 5 years experience manufacturing similar products.
				2. Installer Qualifications: A minimum of 2 years experience installing similar products.
				3. Materials: For each type of material required to complete the work of this section, provide primary materials which are the products of a single manufacturer.
				4. Pre-Application Conference (as needed): A pre-application conference shall be held to establish procedures and to review conditions, installation procedures and coordination with other related work. Meeting agenda shall include review of the special details.
			2. DELIVERY, STORAGE AND HANDLING
				1. Deliver products in manufacturer’s original unopened packaging.
				2. Store materials in a dry, protected, well-vented area.
				3. Inspect product upon receipt and report damaged material immediately to delivering carrier and note such damage on the carrier’s freight bill of lading.
			3. WARRANTY
				1. **Milcor™** warrants that the Access Doors ("Product ") are free from manufacturing defects at the time of sale. **Milcor™** further warrants the Product will not prematurely deteriorate because of weathering for a period of one (1) year from date of sale. This Product Warranty applies only to the Product and does not apply to labor, materials or construction details. If upon inspection by **Milcor™** the Product is found to be defective, **Milcor™** may provide a replacement Product or a substitute at its’ sole discretion.
1. **PRODUCTS**
	* + 1. MANUFACTURER
				1. Provide **Milcor™** Access Doors as manufactured by:

**Milcor™** Company

5030 Corporate Exchange Blvd. SE

Grand Rapids, MI 49512

Phone: 800-624-8642

Fax: 855-549-2674

Email: info@milcorinc.com

Website: http://www.milcorinc.com

* + - 1. ACCESS DOOR
				1. Ordering Sequence: *Model Number, Series: (****M****)**or* ***(MS****), Size: Width (**) x Length (**).* Length denotes hinge side. The access door shall be single leaf. The door shall be pre-assembled from the manufacturer.
				2. Materials: **Series** **M**

Door: 16 ga. cold rolled steel.

Frame: 16 ga. cold rolled steel. Frame to be provided with pre-formed mounting holes 3/16 “ diameter at 4” spacing. Inner frame included to allow latching.

Hinge: Concealed spring hinges open to 175° for complete access without allowing the door to impact the wall. Quantity varies per door panel size. Extracting pin from hinge leaf attached to panel permits panel removal.

Latch: Screwdriver operated cam latch. Quantity varies per door panel size.

Finish: Powder coat - Gray.

1. Options: **Series M**

Door: 16 ga. galvanized steel.

Frame: 16 ga. galvanized steel.

Latch: Cylinder lock(replaces one cam latch) furnished with two keys. Additional custom options available upon request.

Finish: Powder coat colors - Brilliant White, Gold Sand, Jet Black.

1. Materials: **Series MS**
	1. Door: 16 ga. type 304 stainless steel.
	2. Frame: 16 ga. type 304 stainless steel. Frame to be provided with pre-formed mounting holes, 3/16” diameter at 4” spacing. Inner frame included to allow latching.
	3. Hinge: Concealed spring hinges open to 175° for complete access without allowing the door to impact the wall. Quantity varies per door panel size. Extracting pin from hinge leaf attached to panel permits panel removal.
	4. Latch: Screwdriver operated cam latch. Quantity varies per door panel size.
	5. Finish: No. 3 mill finish stainless steel.
2. Options: **Series MS**

Latch: Cylinder lock (replaces one cam latch) furnished with two keys. Additional custom options available upon request.

1. **EXECUTION**
	* + 1. INSPECTION
				1. Verify by comparing packing slip and box label that product is per specification.
				2. Verify that the substrate is dry, clean, and free of foreign matter and in compliance with requirements for installation tolerances and other conditions affecting performance. Report and correct any defects prior to any installation.
				3. Proceed with installation only after unsatisfactory conditions have been corrected.
			2. SURFACE PREPARATION
				1. Refer to manufacturer’s product literature for surface preparation requirements. Surfaces should be structurally sound, free of voids, spalls, loose aggregate and sharp ridges. Remove dust, dirt, debris or any other foreign materials.
			3. INSTALLATION
				1. Verify that **Milcor™** Access Door installation will not disrupt other trades
				2. Install access doors in strict accordance with manufacturer’s instructions and approved submittals.

Test units for proper function and adjust until proper operation is achieved.

Repair finishes damaged during installation.

Restore finishes so no evidence remains of corrective work.

* + - 1. ADJUSTING AND CLEANING
				1. Product requires no spill or leak containment.
				2. Remove and replace access doors with damage, bowing, or warping that interferes with the installation or functionality of product. Dispose of damaged material in accordance with all governmental regulations.
				3. Clean exposed surfaces using methods acceptable to the manufacturer which will not damage finish.
				4. Protect completed work from subsequent construction activities as recommended by manufacturer.

END OF SECTION