

The BILCO Company
www.bilco.com

Guide Specifications in CSI Format

BILCO Type T floor access doors are designed with molding strips to accept carpet or composition flooring material to provide access that is virtually hidden in interior applications. Type T floor access doors feature aluminum construction, 150 psf (732 kg/m²) reinforcing for pedestrian applications and engineered lift assistance for easy one-hand operation. Available in a number of standard sizes and special sizes can be specified. For more information, please visit our website www.bilco.com or call 1-800-366-6530.

SECTION 083100

ACCESS DOORS

(BILCO TYPE T)

PART 1 - GENERAL

1.1 SUMMARY

- A. Work Included: Provide factory-fabricated vault access doors.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data.
- B. Shop Drawings: Submit shop drawings including profiles, accessories, location, adjacent construction interface, and dimensions.
- C. Warranty: Submit executed copy of manufacturer's standard warranty.

1.3 QUALITY ASSURANCE

- A. Manufacturer: A minimum of 5 years experience manufacturing similar products.
- B. Installer: A minimum of 2 years experience installing similar products.
- C. Manufacturer's Quality System: Registered to ISO 9001 Quality Standards including in-house engineering for product design activities.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver products in manufacturer's original packaging. Store materials in a dry, protected, well-vented area. Inspect product upon receipt and report damaged material immediately to delivering carrier and note such damage on the carrier's freight bill of lading.

1.5 WARRANTY

- A. Manufacturer's Warranty: Provide manufacturer's standard warranty. Materials shall be free of defects in material and workmanship for a period of five years from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no charge.

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PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Basis-of-Design Manufacturer: Type T Floor Access Door by The BILCO Company, P.O. Box 1203, New Haven, CT 06505, 1-800-366-6530, Fax: 1-203-535-1582, Web: www.bilco.com.

2.2 VAULT ACCESS DOOR

- A. Furnish and install where indicated on plans vault access door Type T, size [insert: width (_____) x length (_____)]. Length denotes hinge side. The floor access door shall be single leaf and pre-assembled from the manufacturer.
- B. Performance characteristics:
1. Cover: Shall be reinforced to support a minimum live load of 150 psf (732 kg/m²) with a maximum deflection of 1/150th of the span.
 2. Operation of the cover shall be smooth and easy with controlled operation throughout the entire arc of opening and closing. Operation of the cover shall not be affected by temperature.
- C. Cover: Shall be 1/4" (6mm) aluminum smooth pattern plate with extruded aluminum molding [specify 1/8" (3mm) or 3/16" (5mm) in height, depending on flooring material thickness] fastened to the cover to receive floor covering.
- D. Frame: Frame shall be extruded aluminum with strap anchors bolted to the exterior.
- E. Hinges: Shall be specifically designed for horizontal and shall be bolted to the underside of cover.
- F. Lifting mechanisms: Cam-action hinges shall pivot on torsion bars to provide, smooth, easy, and controlled cover operation throughout the entire arc of opening and to act as a check in retarding downward motion of the cover when closing.
- G. A removable exterior turn/lift handle with a spring loaded ball detent shall be provided to open the cover.
- H. Hardware:
1. Hinges: Cast steel cam-action hinges which pivot on torsion bars shall be provided.
 2. Cover shall be equipped with a steel hold open arm that automatically locks the cover in the open position.
 3. Cover shall be fitted with the required number and size of torsion bars.
 4. A Type 316 stainless steel snap lock with fixed handle shall be mounted on the underside of the cover.
 5. Hardware: shall be zinc plated and chromate sealed. Type 316 stainless steel hardware is available for installation in corrosive environments.
- I. Finishes: Factory finish shall be mill finish aluminum with bituminous coating applied to the exterior of the frame.

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PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and openings for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install products in strict accordance with manufacturer's instructions and approved submittals. Locate units level, plumb, and in proper alignment with adjacent work.
 - 1. Test units for proper function and adjust until proper operation is achieved.
 - 2. Repair finishes damaged during installation.
 - 3. Restore finishes so no evidence remains of corrective work.

3.3 ADJUSTING AND CLEANING

- A. Clean exposed surfaces using methods acceptable to the manufacturer which will not damage finish.

END OF SECTION

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