

FOR GROUPS OF SLIDING CELL DOORS

Maximum security.

8050L PNEUMATIC LOCKING SYSTEM

The 8050L Locking System offers complete selective electric operation of sliding doors in a line or group from a remote control station. Doors are operated by pneumatic cylinders over each door. This system also provides emergency pneumatic unlocking from a remote location. Doors are locked at top and bottom in both the open and closed positions by means of a concealed vertical lock bar at the rear jamb of each door. The vertical lock bar is deadlocked at a third locking point inside the horizontal cover box above the door. Standard clear door opening widths are from 2'4" to 3'2".

FUNCTION:

ELECTRIC - A remote switch activates pneumatic cylinders which raise a vertical lock bar and propel the door open or closed. Individual lamp indicators on the control panel show locked/unlocked condition. A single switch can provide group unlocking.

MECHANICAL - In the absence of pneumatic or electrical power, doors may be individually unlocked with a manual release tool. Door movement is by hand and door will relock in either fully open or closed position.

EMERGENCY GANG RELEASE - In an emergency, all doors in a cell line may be simultaneously unlocked from a remote location using a pneumatic release system. While in emergency release mode, doors will not relock in any position.

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TECHNICAL DATA:

- COVER BOX: 1' 0-3/4" H x 7-1/2" D
- COVER BOX MATERIAL: 7 gauge steel plate
- HINGED PANEL: 10 gauge steel
- DOOR ROLLERS: 3" diameter, machined steel with sealed bearings
- VERTICAL LOCK BAR DIMENSIONS: 5/8" SQ by full height of door
- FINISH: Prime paint
- DOOR HANGER: 7 gauge steel plate
- ELECTRICAL: 24 VDC
Minimum of five 24 volt conductors are required between the control point and the door, except for those models having the letter "K" (keyswitch) in the suffix. Keyswitch models require minimum six conductors.
- AIR REQUIREMENTS: Air consumption varies with door size at 80 PSIG.

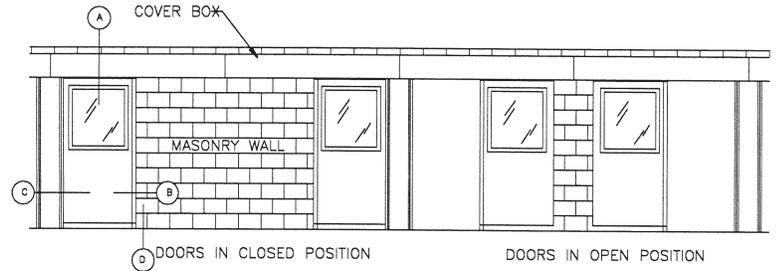


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8050L PNEUMATIC SLIDING DOOR SYSTEM



STANDARD FEATURES:

- Bottom door guide
- Door hanger
- Pneumatic emergency release
- Sloped-front cover box
- Hinged cover panel for maintenance access
- Vertical lock bar assembly
- ASTM F1643 Certified Horizontal and Vertical Impact Test-Grade 1
- Prime paint finish

OPTIONAL FEATURES:

PILASTER RELEASE – (In lieu of pneumatic release system.) Hip-high paracentric keyed mechanical release mounted in a full-height pilaster adjacent to the receiving jamb. Specify “8050LP-1” keyed one side.

ELECTRIC KEYSWITCH – Paracentric or mogul keyed local electric control switch mounted below mechanical release mechanism in pilaster. Specify “8050LPK-1” for paracentric keyed one side. Specify “8050LPKM-1” for mogul keyed one side.

HOT DIP GALVANIZED FINISH - Available for external applications with lift-off cover panel only. Not available with standard hinged cover panel. Specify “G” when ordering. Example: 8050LP-1G

FACTORY-WIRED CONTROL CABLE
Specify “8050LWC.”

DOOR SCHEDULE

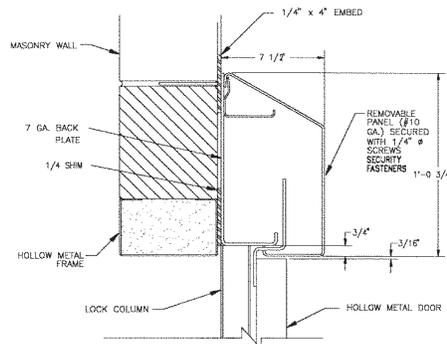
DOOR HEIGHT	CLEAR OPENING	FRAME OPENING	COVER BOX	DOOR WIDTH
8'-0" MAXIMUM	2'-4"	2'-4"	6'-0"	2'-6 1/2"
	2'-6"	2'-6"	6'-4"	2'-8 1/2"
8'-0"	2'-8"	2'-8"	6'-8"	2'-10 1/2"
	3'-0"	3'-0"	7'-4"	3'-2 1/2"
	3'-2"	3'-2"	7'-8"	3'-4 1/2"

NOTE: Cover box minimum length = (7" overtravel) + (2 x clear opening) + 9".

For doors exceeding 300 lbs. and/or greater than H-G' clear opening, contact factory.

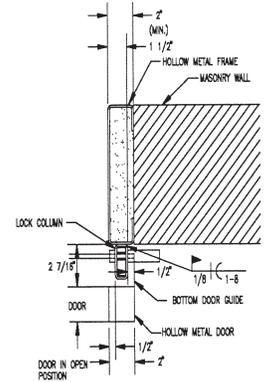
THREE HOUR FIRE DOOR RATING AVAILABLE.
Standard cover box calculation does not apply to fire rated doors.

DETAIL A – SLOPED BOX

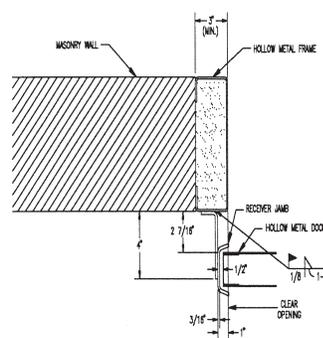


COVER BOX SECTION
7-1/2" deep x 1'-0-3/4" tall cover box field welded 1" on 6" top and bottom

DETAIL B – VERTICAL LOCK JAMB BAR

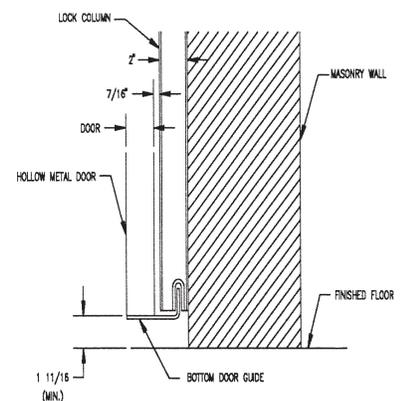


DETAIL C – RECEIVER



RECEIVER JAMB SECTION
Flush receiver jamb allows frame opening and clear opening to be the same.

DETAIL D – BOTTOM DOOR GUIDE SECTION



8050L Shown

Note: Other system configurations and details are available.
Call Customer Service for more information.

