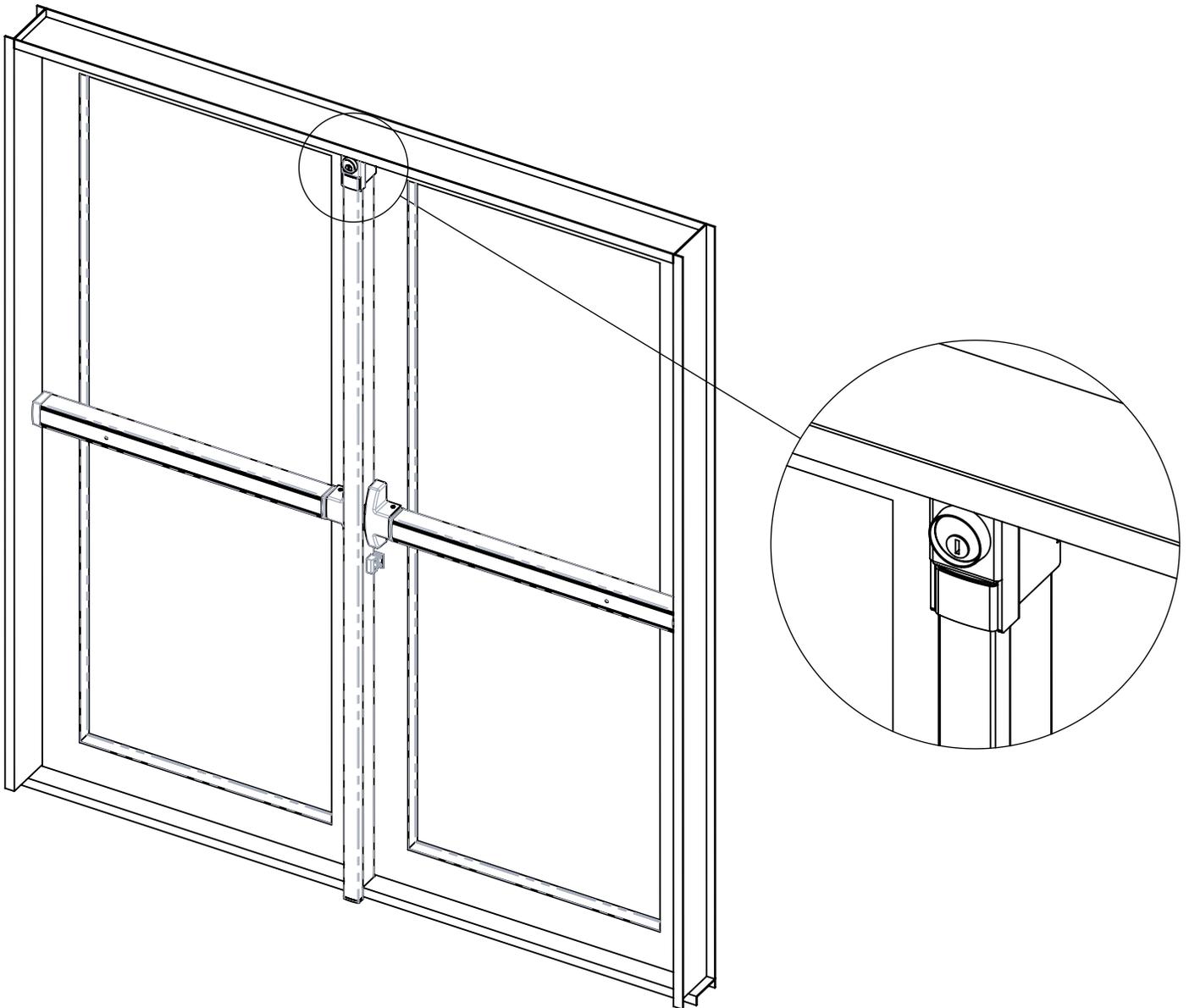




## INSTALLATION INSTRUCTIONS

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### **KRM-370 Keyed Removable Mullion**



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**Phone: 800-793-4544**

**Fax: 800-867-5016**

**[www.firstchoicebuildingproducts.com](http://www.firstchoicebuildingproducts.com)**

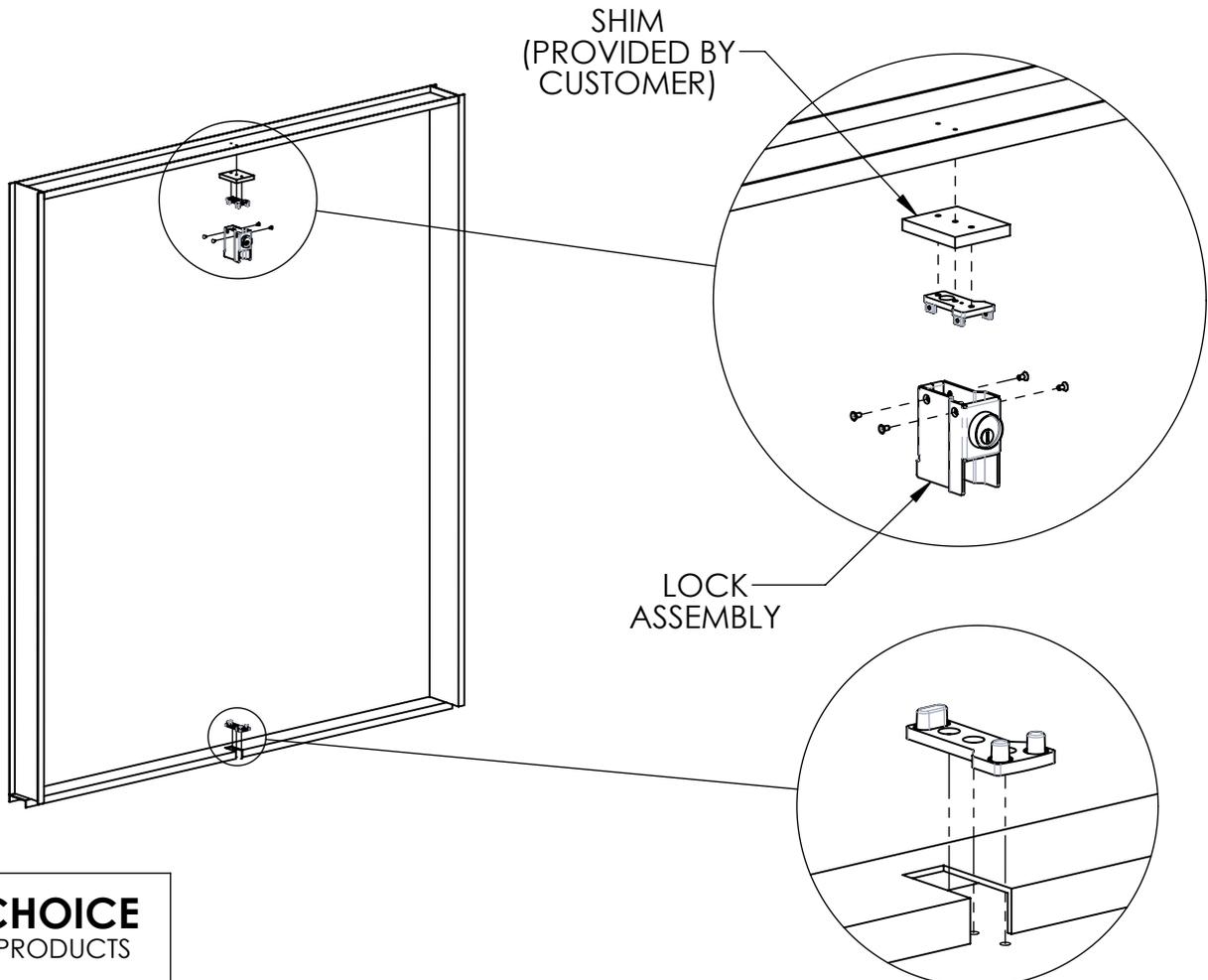
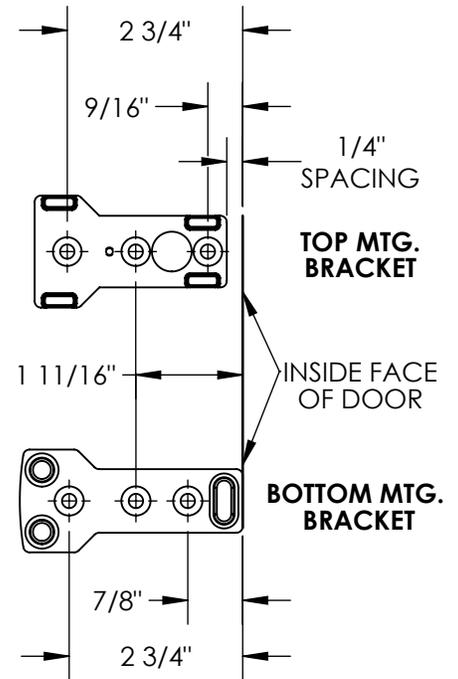
# Frame Prep for Keyed Removable Mullion:

1. Locate the Top and Bottom Mounting Brackets according to the dimensions shown, and centered in the door opening (so that both doors will equally overlap the mullion.) Use the Mounting Brackets as templates to locate and drill mounting holes.

**Note: Depending on the frame, a shim may be required to properly secure the Top Mounting Bracket (when overhang occurs). It is highly recommended to choose a shim that covers the entire profile of the Mounting Bracket to ensure security.**

2. Cut the threshold for the Bottom Bracket for mounting directly to the finished floor.

3. With Mounting Brackets installed to the header and floor, secure the Lock Assembly to the Top Mounting Bracket using 4x #10-32 x 1/2" screws. Plastic snap-arms inside the Lock Assembly should fit over the head of #6 screw in the Top Mounting Bracket to keep the Lock Assembly from falling during installation.

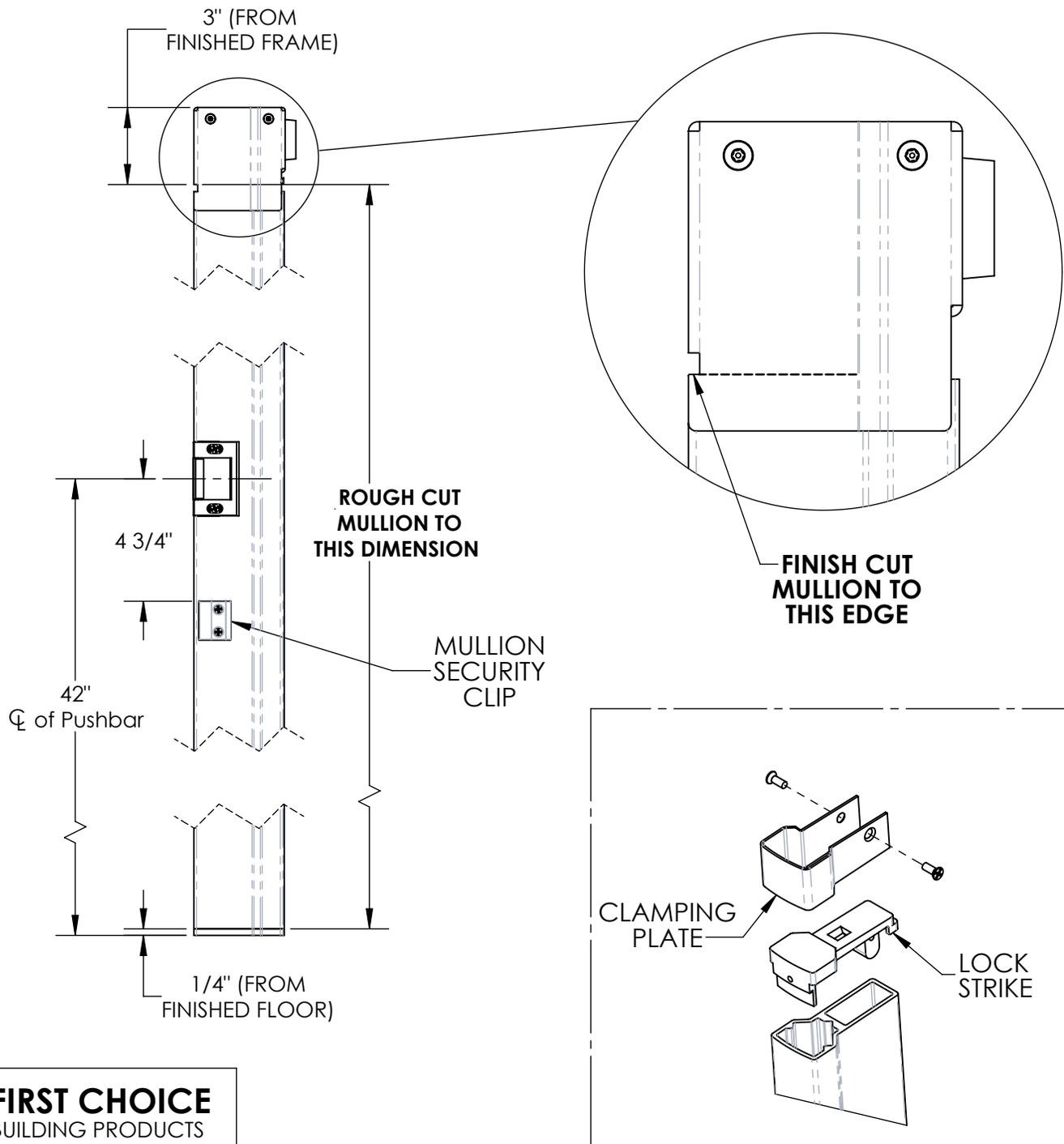


**FIRST CHOICE**  
BUILDING PRODUCTS

REVISED: 11/6/2017

# Mullion Preparation for Keyed Removable Mullion:

- 1. Rough Cut:** Measure length from finished floor to finished frame and subtract 3 1/4". (If shim is used, subtract shim-thickness.) Cut Mullion to calculated length.
- 2. Finishing Cut:** Place bottom of Mullion onto the Bottom Bracket and tilt into place. Using the specified edge of the Lock Housing as a guide (shown to the right), scribe/etch a line on the Mullion and cut to this **exact height**. Make multiple small cuts if needed.
- 3.** Set the Mullion Lock Strike on top of the Mullion, slide the Clamping Plate over the top, and secure it to the Lock Strike with #10-32 x 1/2" Flat-Head screws.
- 4.** Attach the two Mullion Security Clips to the pre-drilled holes, using 2x #10-32 Flat-Head screws each.



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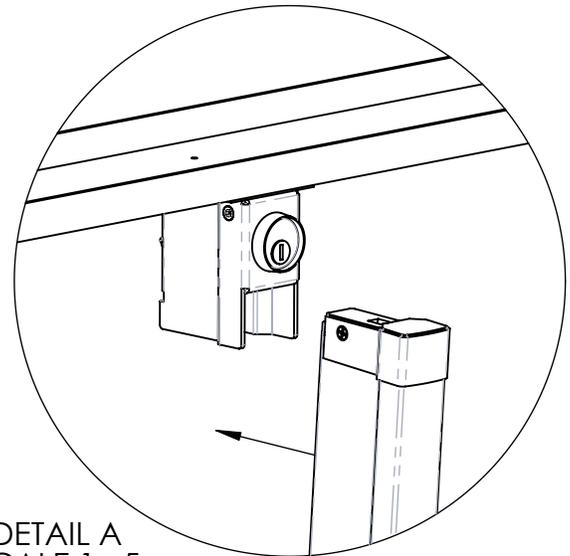
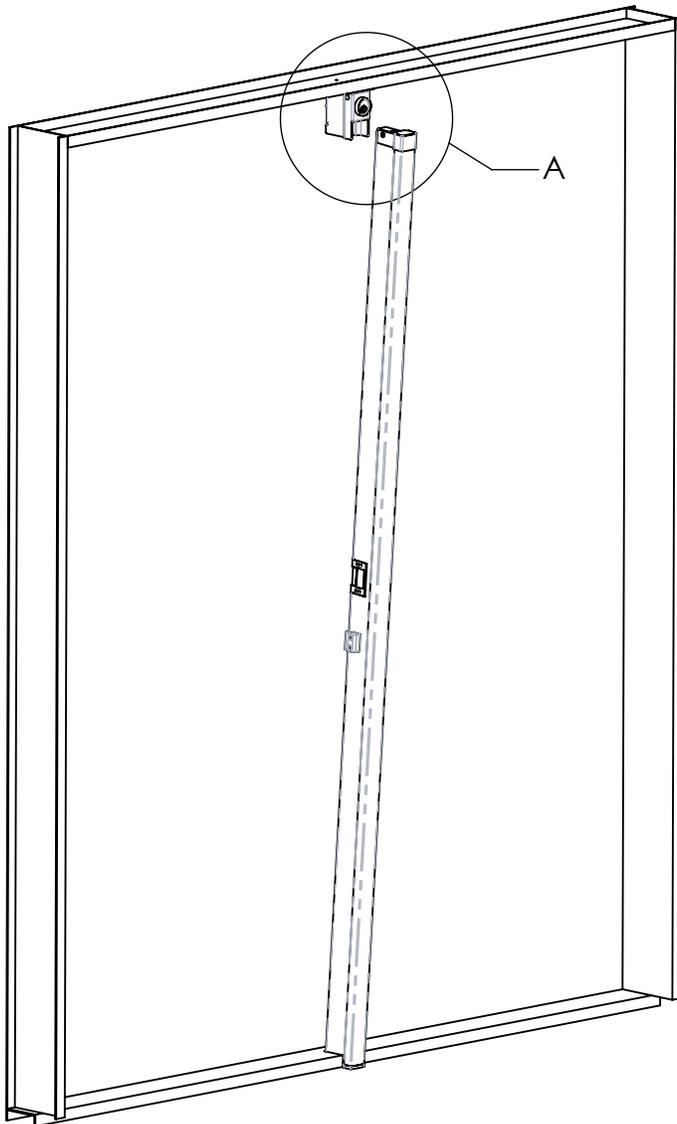
REVISED: 11/6/2017

# Keyed Mullion Install & Removal

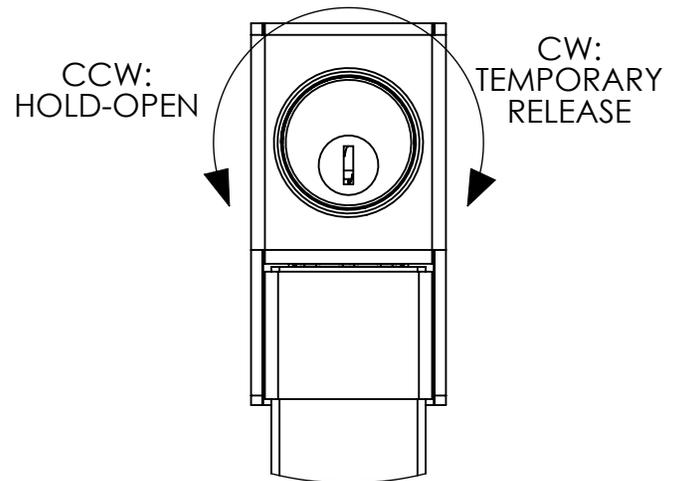
1. To install the Mullion, set it down onto the Bottom Bracket, tilt it forward into the Lock Assembly, and lock it into place. The Hook Latch should engage and lock the Mullion automatically.

**NOTE: If the Mullion does not fit, remove the Clamping Plate and Lock Strike and trim 1/32" off the top of the Mullion. If the Mullion is too short, increase the thickness of the shim on the Top Bracket.**

2. To Remove the Mullion, insert and turn key to disengage the Hook Latch. (**Clockwise rotation for temporary release, Counter-Clockwise rotation for hold-open function.**)



DETAIL A  
SCALE 1 : 5



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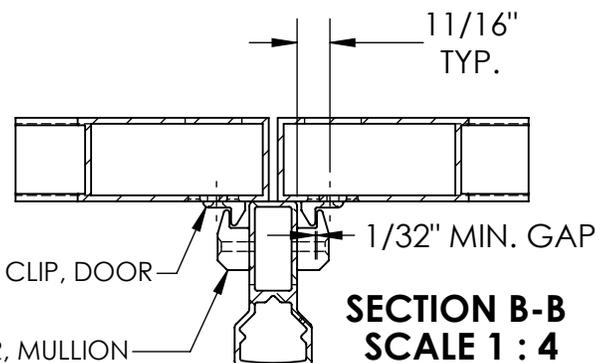
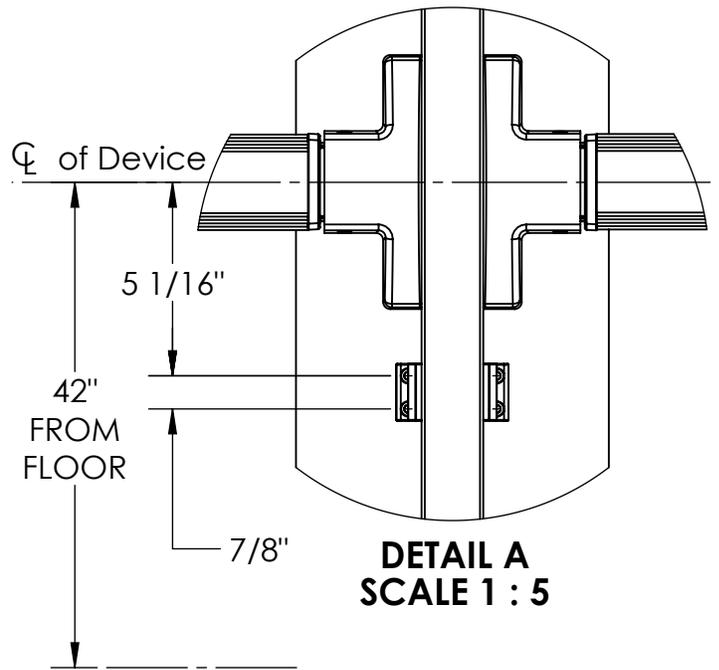
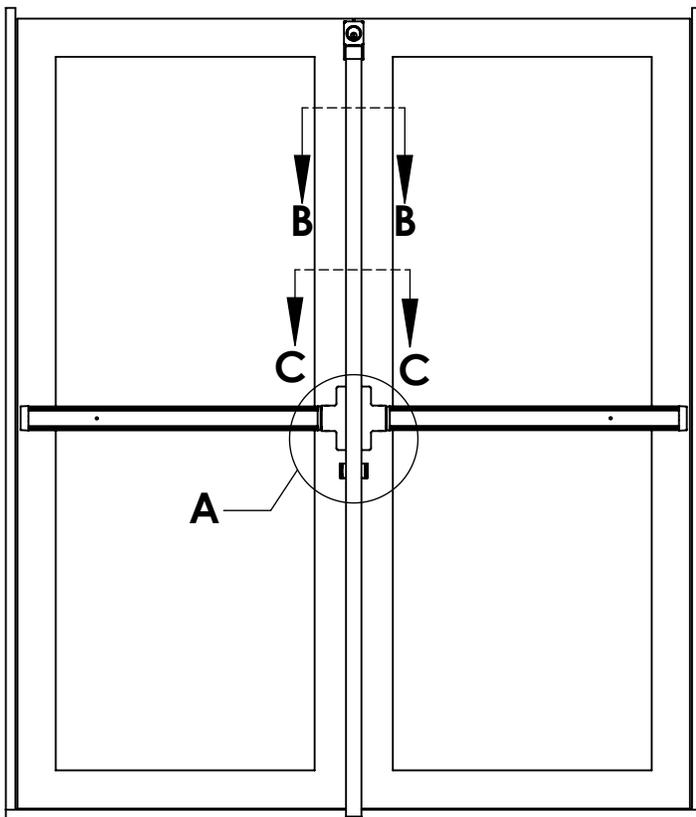
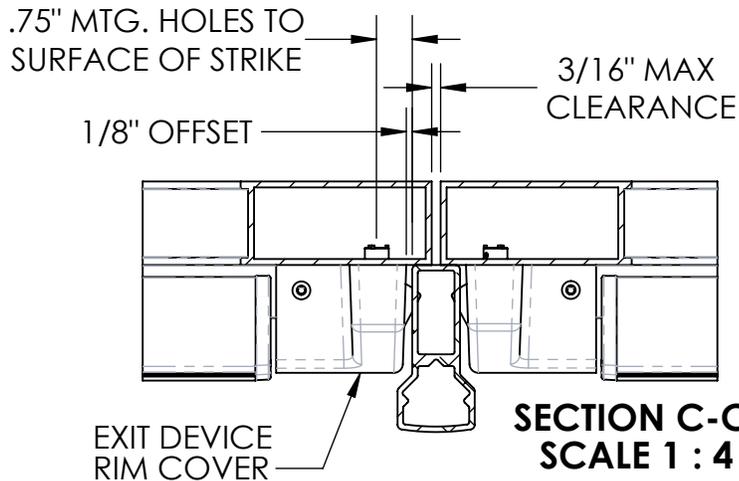


# Attaching Exit Device & Door Security Clips, Keyed Mullion

1. Doors should overlap the front face of Mullion symmetrically with 3/16" Maximum Gap between stiles.
2. 3/4" dimension required from mounting-holes of Exit Device to face of Strike (1/8" offset clearance from edge of Rim Cover to face of Strike.)

**NOTE: Narrow-stile doors will not fit Exit Device(s) when using Surface-Mounted Strike.**

3. With the doors in closed position, locate each Door Security Clip so that they are aligned with and engage with Mullion Clips, leaving 1/32" minimum gap between Clips.
4. Mark the mounting holes, drill, and attach Security Clips using the screws provided.



**MM-702**  
SECURITY CLIP, DOOR

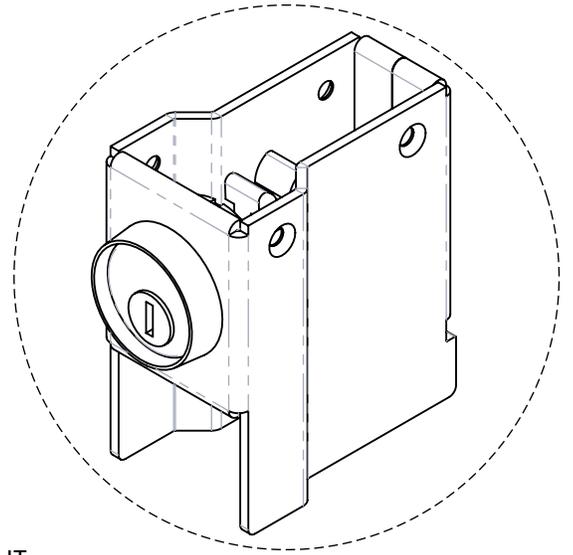
**MM-701**  
STABLIZER, MULLION

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BUILDING PRODUCTS

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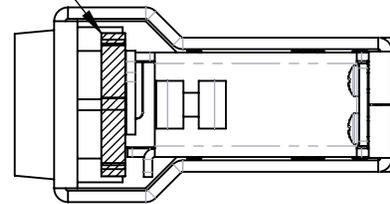
# Key Cylinder Replacement for Keyed Removable Mullion

1. To **REPLACE MORTISE KEY CYLINDER**, remove the Lock Assembly from the door-frame to get access to the interior.



2. Remove the Brass **KEY CYLINDER NUT** by unscrewing counter-clockwise from the inside of the housing. (It may be necessary to push firmly on the front face of the lock to ease loosening.)

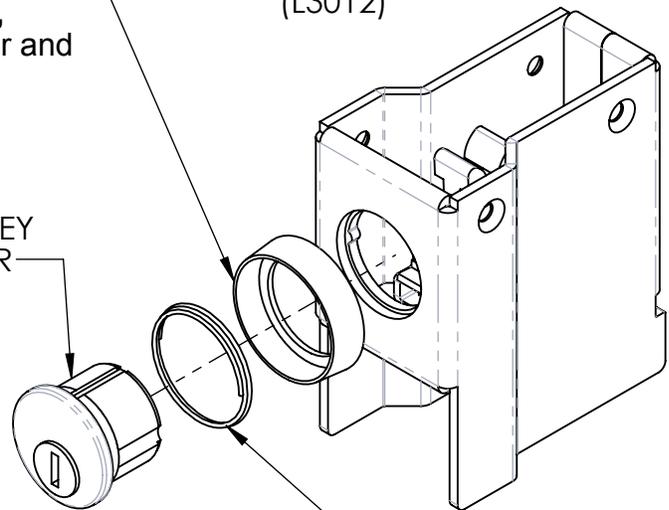
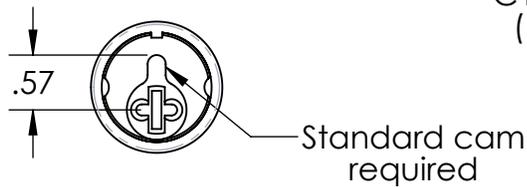
KEY CYLINDER NUT  
(KRM-006)



3. Keeping **LOCK COLLAR** and **SPRING**, replace with a new Mortise Key Cylinder and standard straight cam.

MORTISE LOCK COLLAR  
(L3012)

MORTISE KEY  
CYLINDER  
(L3034)



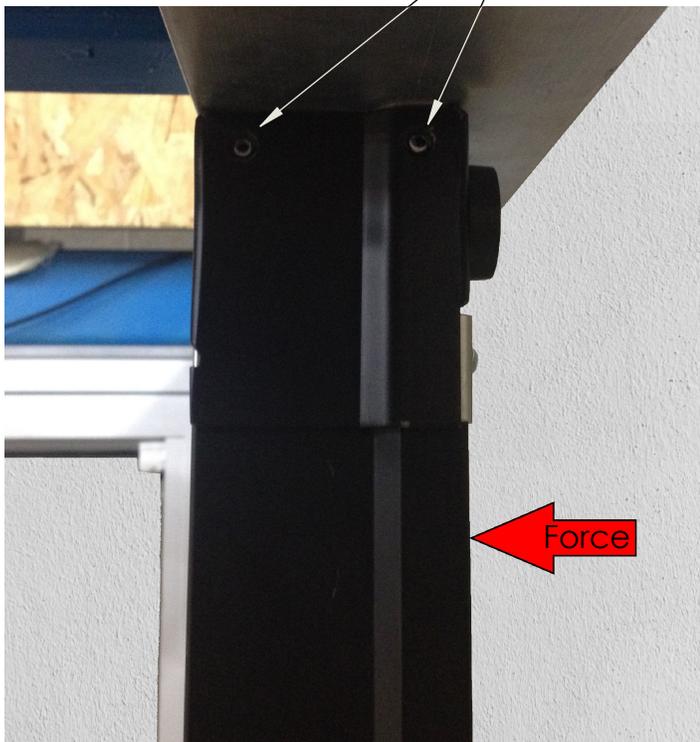
TAPERED SPRING  
(L3030)

4. Insert the new key cylinder (with parts shown), and re-install with **KEY CYLINDER NUT** by screwing clockwise. Add a small amount of thread-locking compound to prevent loosening and tighten securely.

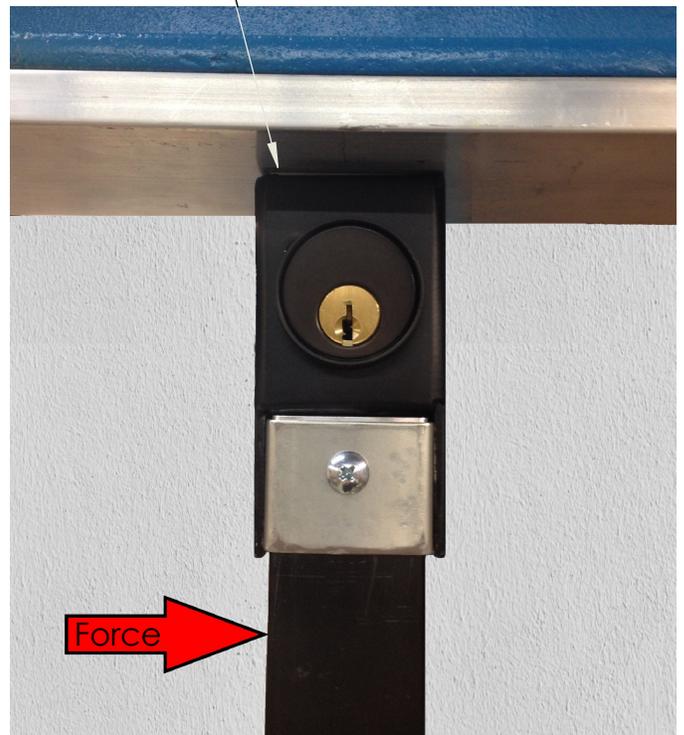
## KRM-000 Keyed Removable Mullion Theft Prevention

- Pictured is a front and side view of a First Choice keyed mullion with the #10-32 security torx mounting screws **removed** in the case of an attempted theft.

WITHOUT SCREWS,  
TOP ASSEMBLY REMAINS  
ENGAGED AND LOCKED  
WHEN PUSHED IN  
SEVERAL DIRECTIONS.



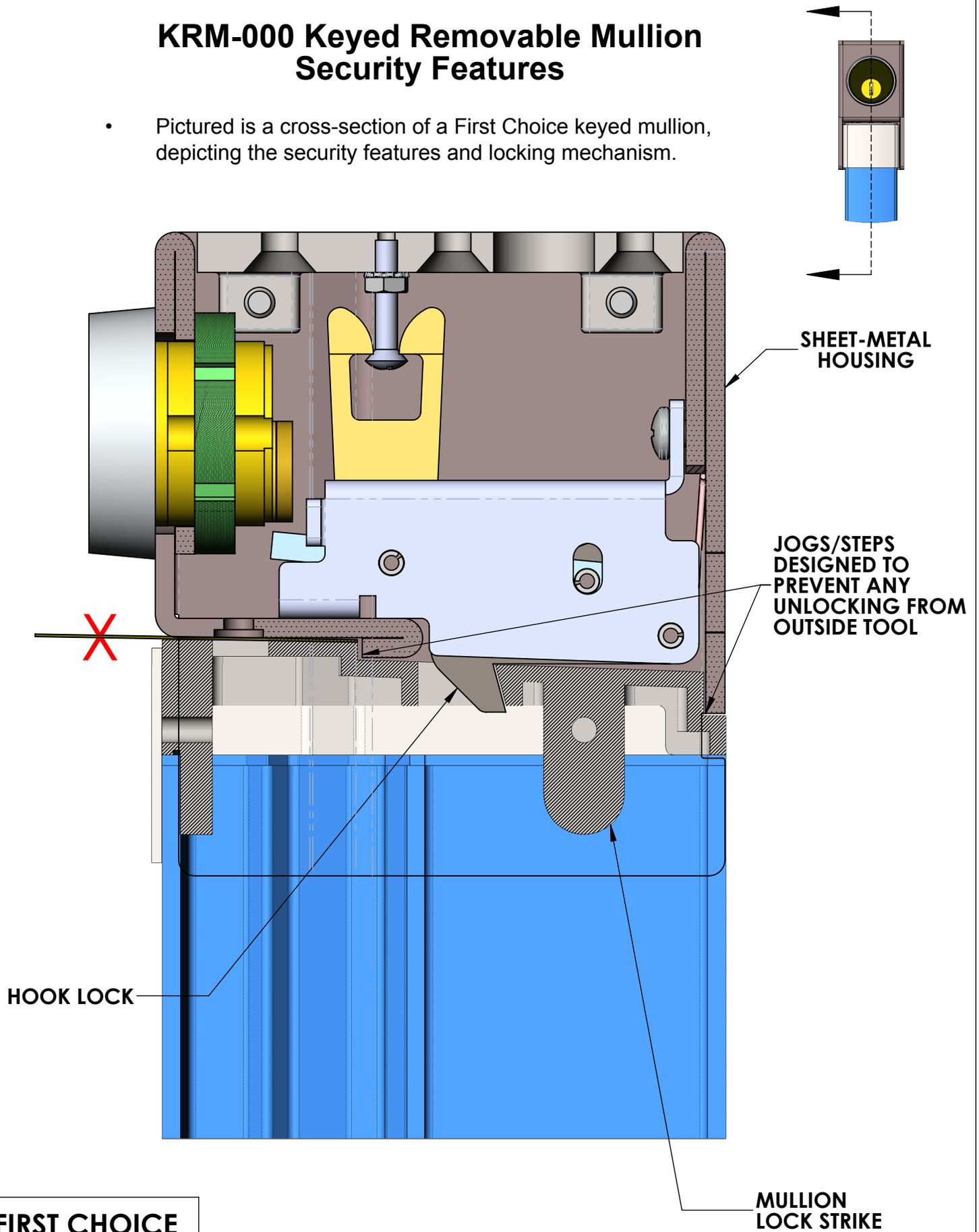
PUSHED **BACK**



PUSHED **SIDEWAYS**

# KRM-000 Keyed Removable Mullion Security Features

- Pictured is a cross-section of a First Choice keyed mullion, depicting the security features and locking mechanism.



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4

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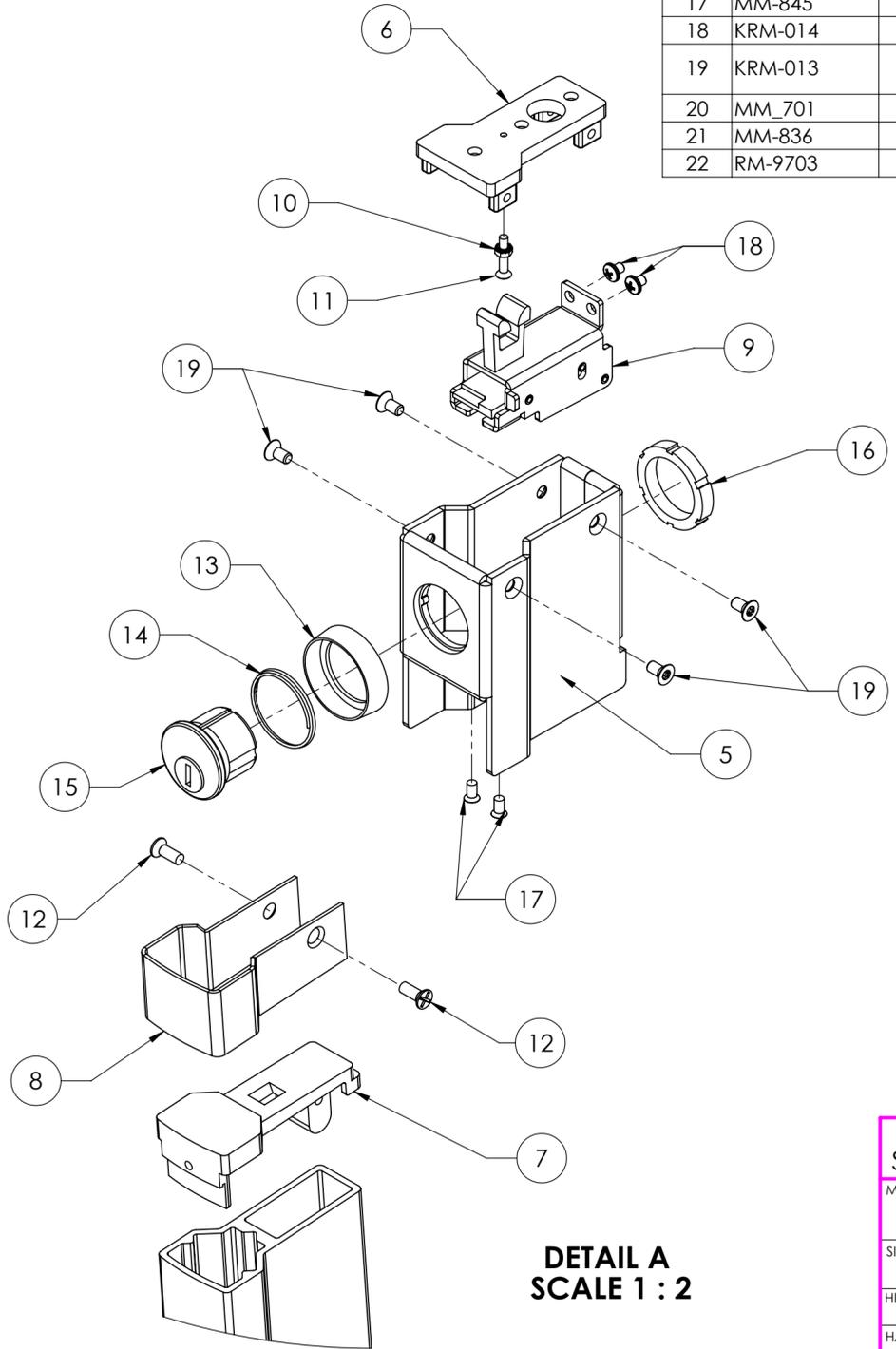
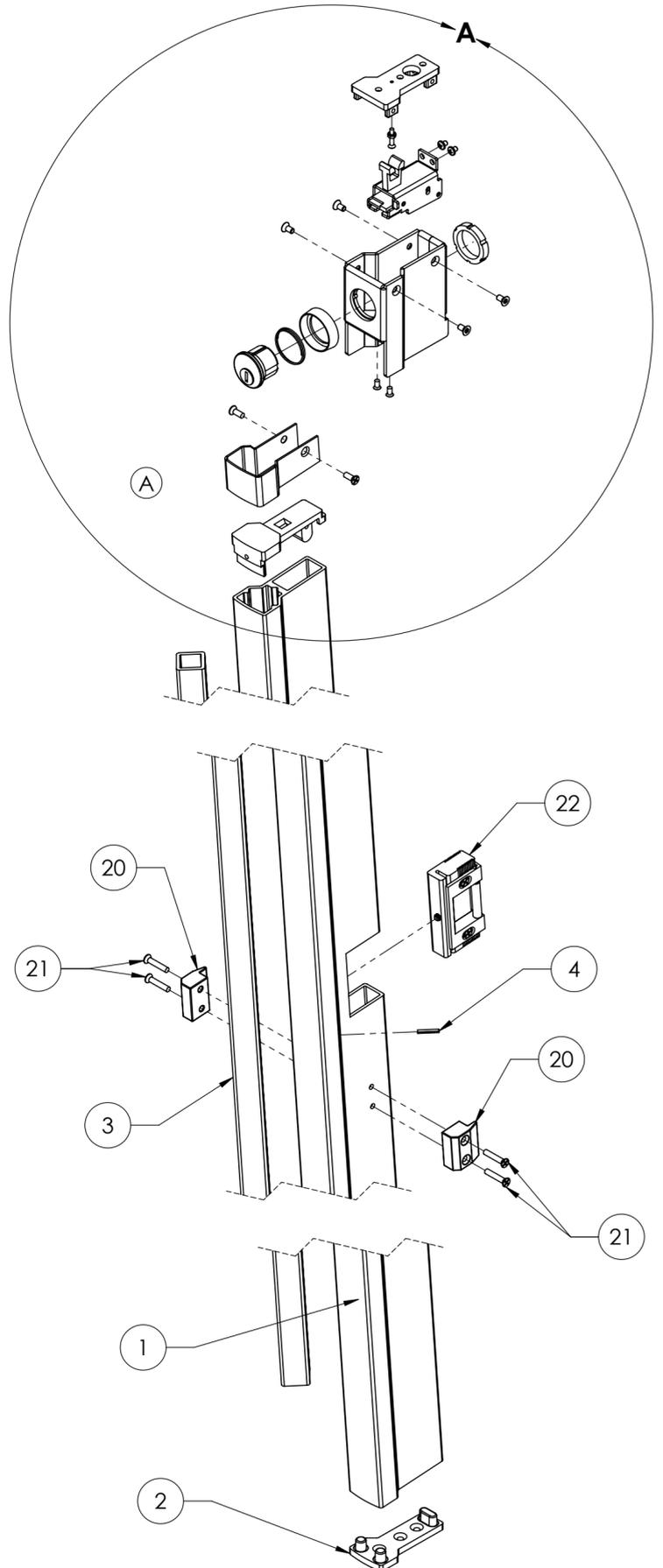
2

1

# KRM-370

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	MM_711-M	MULLION - MACH.	1
2	MM_709	BOTTOM MTG. BLOCK	1
3	MM_712	MULLION STIFFENER	1
4	MM_814	ROLL PIN	1
5	KRM-001	MULLION LOCK CASE	1
6	KRM-003	TOP MTG. BLOCK	1
7	KRM-008	MULLION LOCK STRIKE	1
8	KRM-009	MULLION STRIKE SECURITY PLATE	1
9	KRM-010	HOOK LATCH SUB-ASSY	1
10	KRM-024	#6-32 LOCK NUT	1
11	KRM-028	#6-32 OVAL HEAD SCREW	1
12	MM-855	FLAT HEAD #10-32 X .5"	2
13	L3012	MORTIS LOCK COLLAR	1
14	L3030	TAPERED SPRING	1
15	L3034	MORTISE KEY CYLINDER	1
16	KRM-006	KEY CYLINDER NUT	1
17	MM-845	#8-32 X 5/16" FHCS	2
18	KRM-014	#8-32 X 3/16" BHCS	2
19	KRM-013	Tamper-Resistant #10-32 FHCS	4
20	MM_701	SECURITY CLIP - MULLION	2
21	MM-836	FHCS #10-32 X 1	4
22	RM-9703	Recessed Strike ASSY	1

ISSUE NO.	LOC.	CHANGE AND DATE
1	XX	ORIGINAL DRAWING 11/10/2015
2	TAH	A. REMOVE KRM-015 1/13/2016
3	TAH	B. REVISED KRM-001, KRM-003, KRM-006 KRM-008, KRM-010, C. ADD KRM-024 & KRM-028 11/3/17



DETAIL A  
SCALE 1 : 2

UNLESS OTHERWISE SPECIFIED; BREAK ALL SHARP CORNERS AND REMOVE ALL BURRS.

USED ON

MATERIAL				SEE BOM				<b>C</b> FIRST CHOICE <sup>®</sup> BUILDING PRODUCTS			
SIZE	KIND	SHAPE	TEMPER	PART NAME KEYED REMOVABLE MULLION ASSY							
HEAT TREAT				DRAWN BY TAH		DATE 11/6/2017		DESIGNED BY HINCKLEY		SCALE 1:4	
HARDNESS				CASE DEPTH		SHEET NO. 1 of 1		INCH THIRD ANGLE PROJECTION		<b>KRM-370</b>	
PART FINISH				NONE							

4

3

2

1