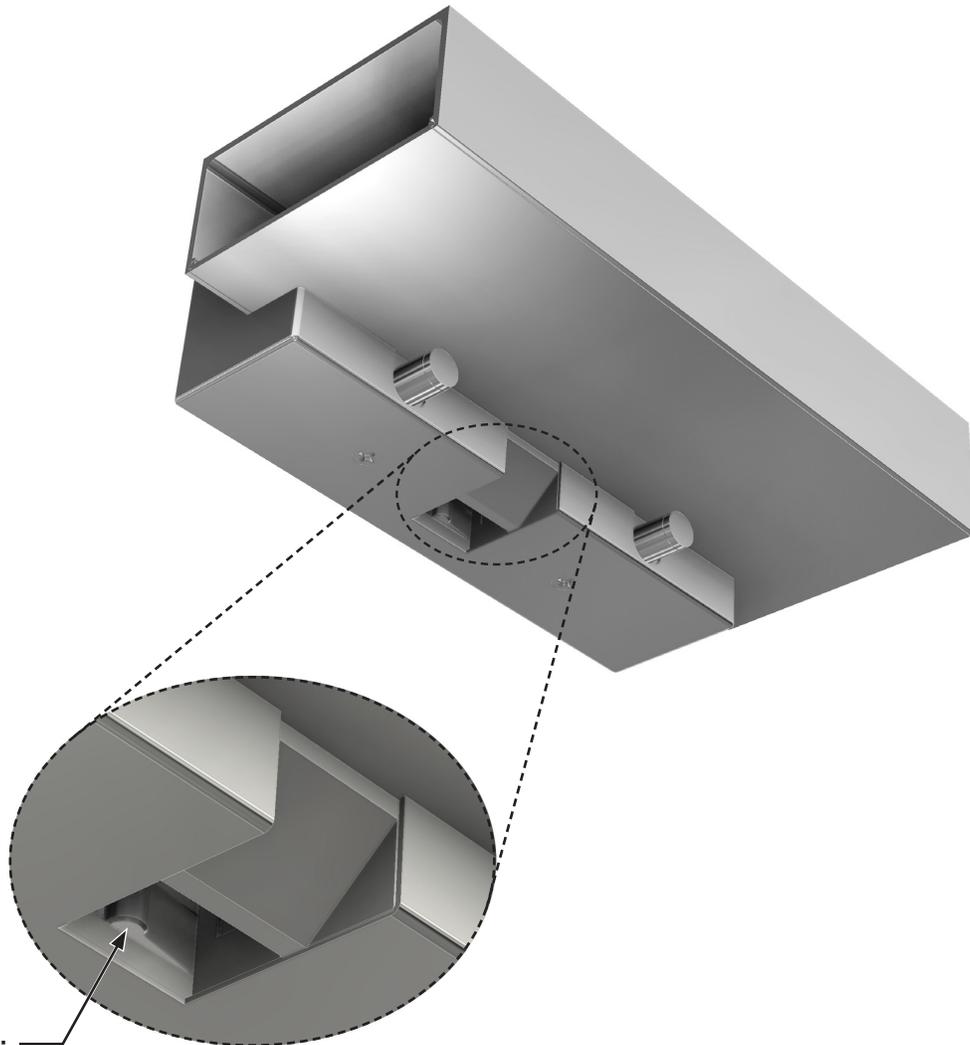


## CRL PKP1 MANUAL STRIKE KEEPER WITH SENSOR FOR SINGLE DOORS



**NOTE:**  
Sensor feature  
available on PKP  
Strikes only.

# ORDER OF ASSEMBLY AND INSTALLATION

INTRODUCTION/TOOLS REQUIRED .....	03
PARTS IDENTIFICATION.....	04
HEADER PREPARATION.....	05-10
MANUAL STRIKE APPLICATIONS.....	11
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WIRING.....	12
MANUAL STRIKE INSTALLATION.....	13
FINAL ASSEMBLY AND ADJUSTMENTS .....	14

The rapidly changing technology within the architectural aluminum products industry demands that C.R. Laurence/U.S. Aluminum reserve the right to revise, discontinue, or change any product line, specification, or electronic media without prior written notice.

**NOTE:** Dimensions in parentheses ( ) are millimeters unless otherwise noted.

# INTRODUCTION

## PKP1 MANUAL STRIKE KEEPER

### FEATURES

- Designed for use with 1/2" or 3/4" (12 or 19 mm) tempered glass doors.
- Used in conjunction with CRL glass door Panic and Deadbolt Handles.
- Fail secure. (Fail safe optional)
- Latch/Deadbolt Monitor (PKP Strikes only)

This Manual Strike Keeper satisfies the following safety standards:

- a. American National Standards Institute (ANSI/BHMA)
  - i. A117.1 Providing Accessibility and Usability for Physically Handicapped People
  - ii. A156.3 Exit Devices
  - iii. A156.18 Materials and Finishes
- b. Americans with Disabilities Act (A.D.A.)
- c. American Society for Testing and Materials (ASTM)
- d. National Fire Protection Association (NFPA 101)
- e. Underwriters Laboratory (UL)
  - i. 305 Panic Hardware

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## Tools Required

Drill bits: 1/4"

Taps: 5/16-18

Tape Measure

Cordless Drill

Phillips Head Screwdriver

1/4" and 3/16" Hex Keys

3/4" Masking Tape

Center Punch

Flat Metal File

Round Metal File

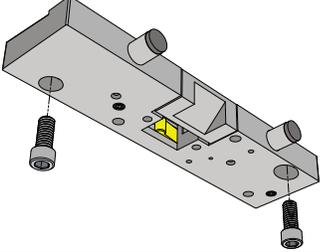
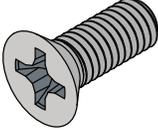
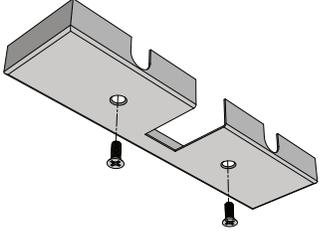
Jigsaw with Metal Cutting Blade

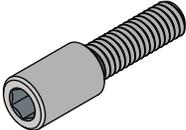
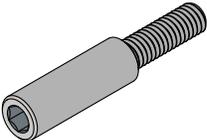
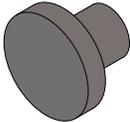
Stepladder

Framing Square/Straight Edge

**NOTE: Modifications, other than those specified in this document, could result in failure to meet UL safety ratings and void the manufacturer's warranties.**

## PARTS IDENTIFICATION

FASTENERS AND PARTS LIST					
CALL OUT	QTY.	FASTENER	FASTENER DESCRIPTION	PART	USED WITH PART NUMBER
Ⓐ	2		5/16-18 x 3/4" SHCS		PKP1 Manual Strike Keeper for Single Door
Ⓑ	2		10-32 x 1/2" FHMS		Manual Strike Cover (Included with PKP1)

PARTS LIST				
CALL OUT	QTY	PART	PART NO.	DESCRIPTION
Ⓒ	2		ESK01	5/16-18 x 1" SHCS Stop Screw for Rail Mount Doors (Bumper Sold Separately)
Ⓓ	2		ESK02	5/16-18 x 1" SHCS Stop Screw for Glass Mount Doors (Bumper Sold Separately)
Ⓔ	2		BMPRBR	Rubber Bumper for Strike

## REMOVE HEADER AND PREPARE PER ATTACHED TEMPLATE

1. Place the header horizontally on the work surface, interior side up.
2. Mark the centerlines and the layout on the header as shown in. **(Fig. 1)**

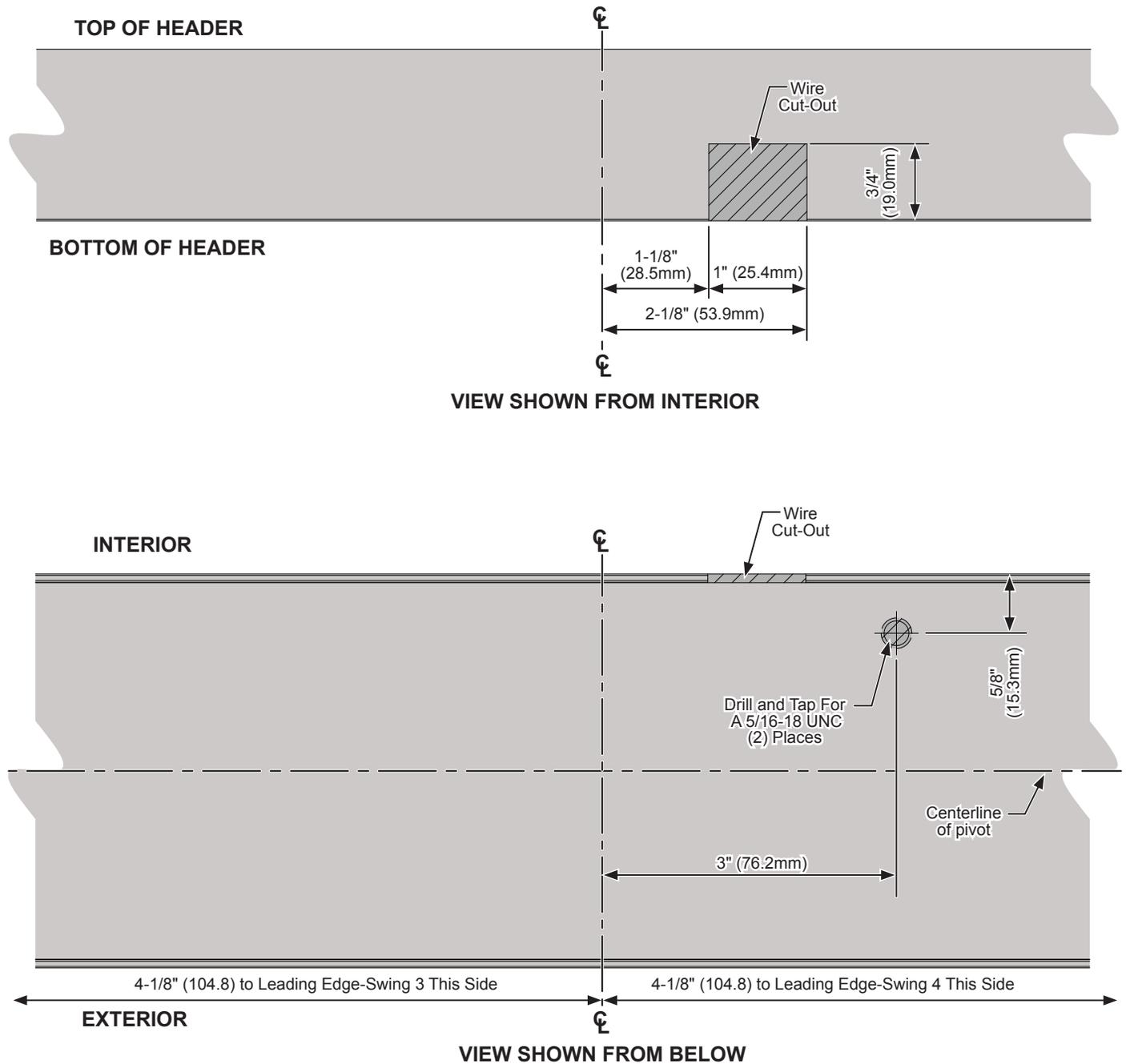


FIG. 1

NOT TO SCALE

## REMOVE HEADER AND PREPARE PER ATTACHED TEMPLATE

1. Place the header horizontally on the work surface, interior side up.
2. Mark the centerlines and the layout on the header as shown in. **(Fig. 2)**

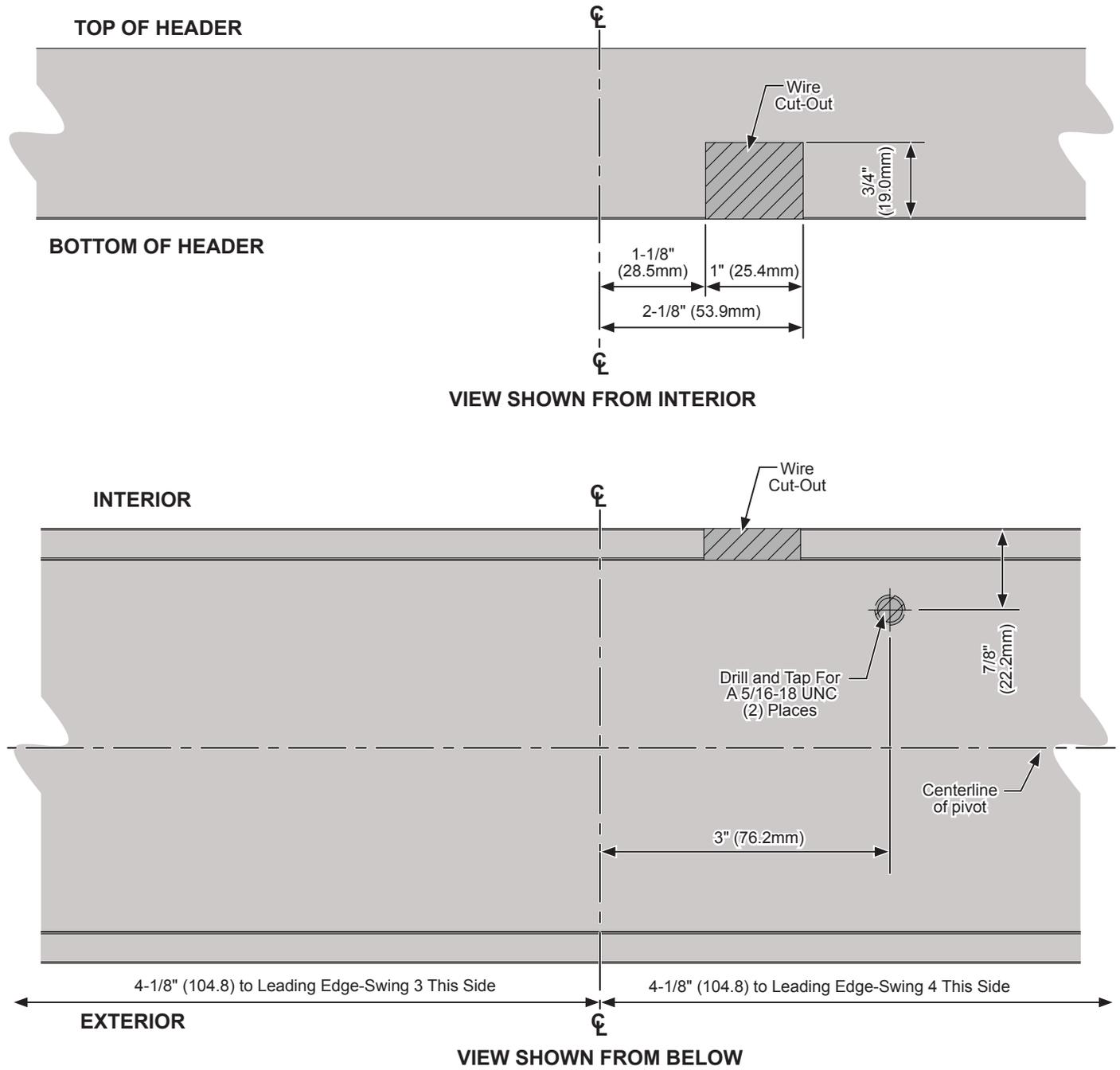


FIG. 2

NOT TO SCALE

## REMOVE HEADER AND PREPARE PER ATTACHED TEMPLATE

1. Place the header horizontally on the work surface, interior side up.
2. Mark the centerlines and the layout on the header as shown in. **(Fig. 3)**

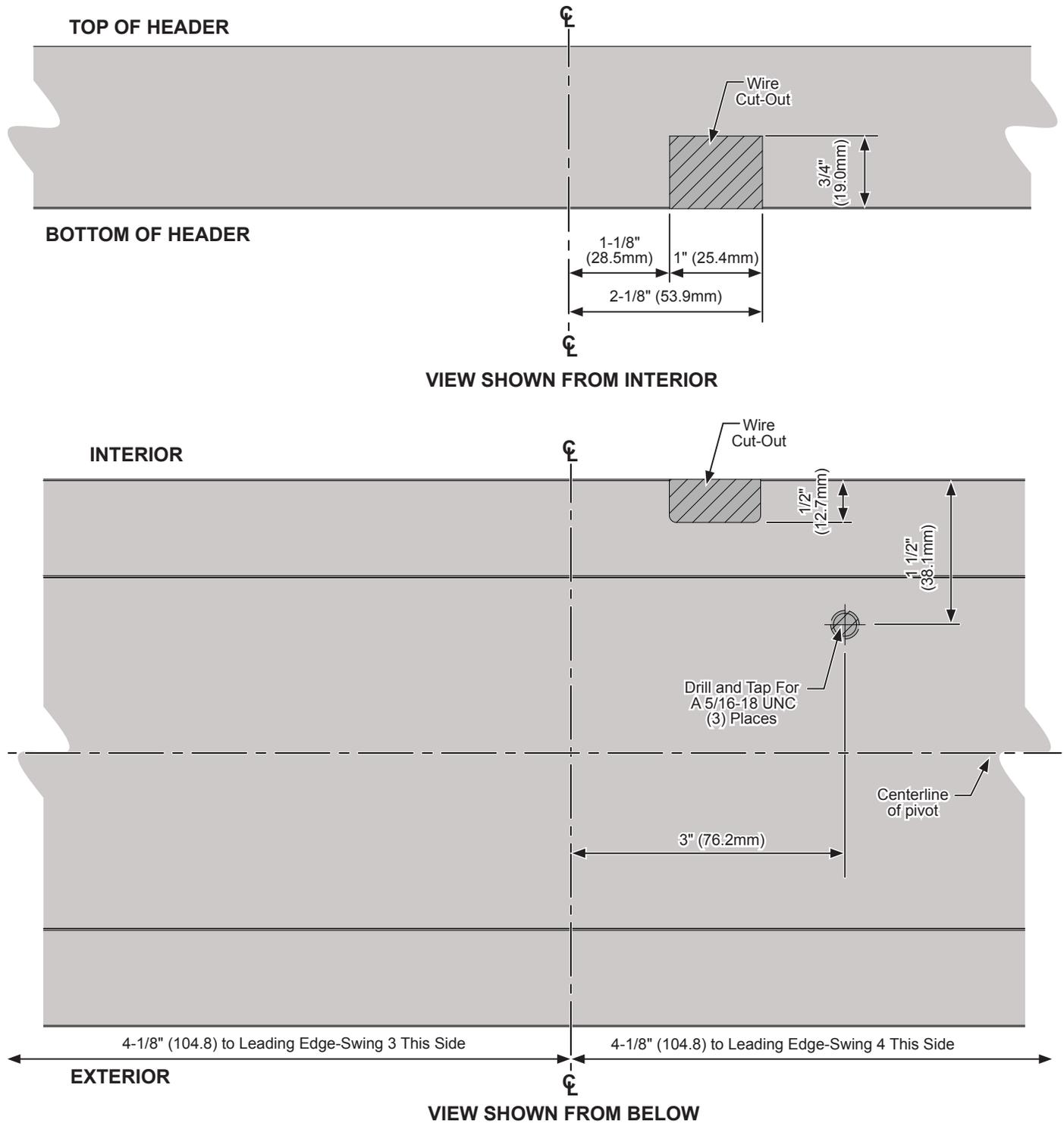
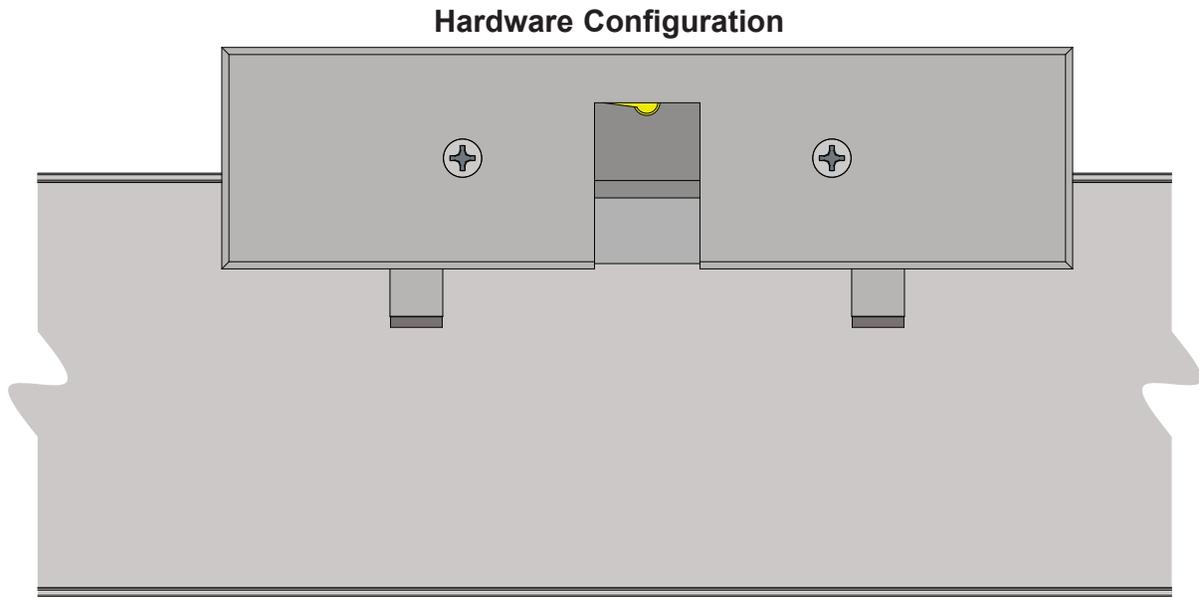


FIG. 3

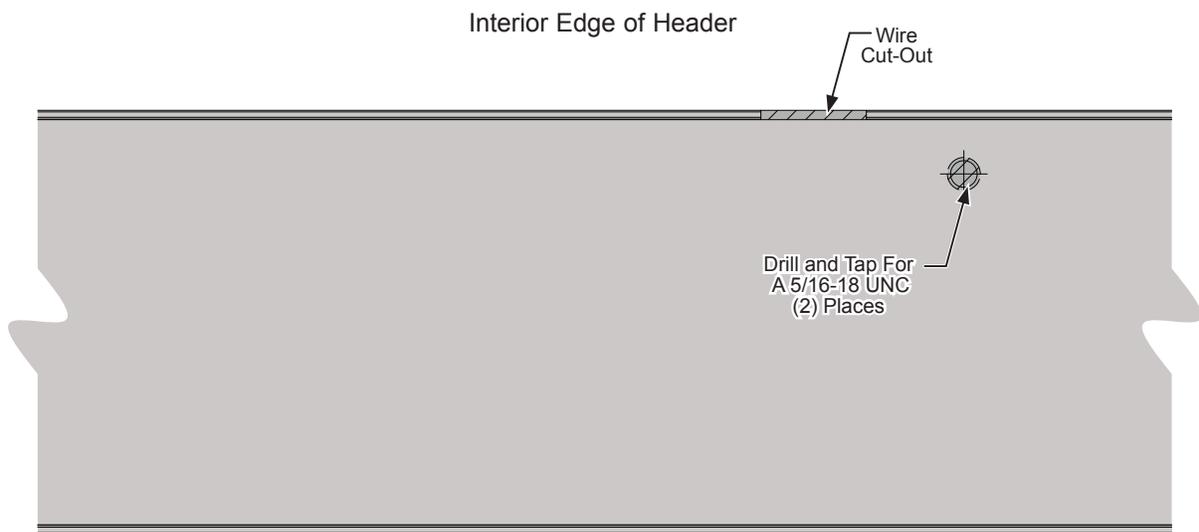
NOT TO SCALE

# REINSTALL THE PREPARED HEADER AND CONTINUE WITH THE MANUAL STRIKE INSTALLATION



**PKP1 SHOWN**

**FIG. 4**



Exterior Edge of Header  
As Viewed From Below

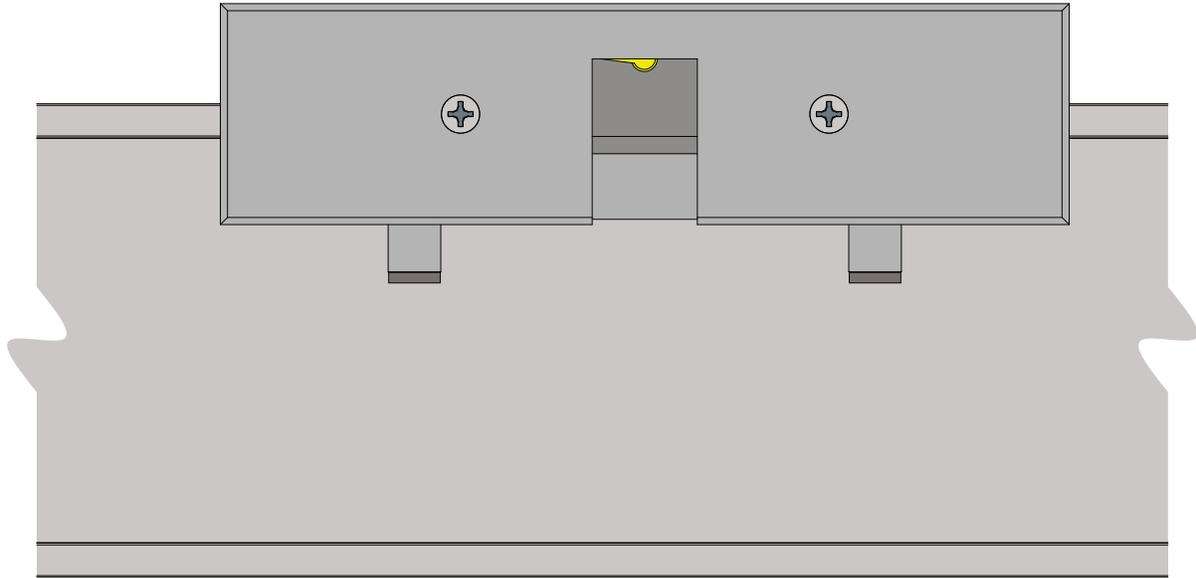
**FIG. 5**

**Use Template from Box**

NOT TO SCALE

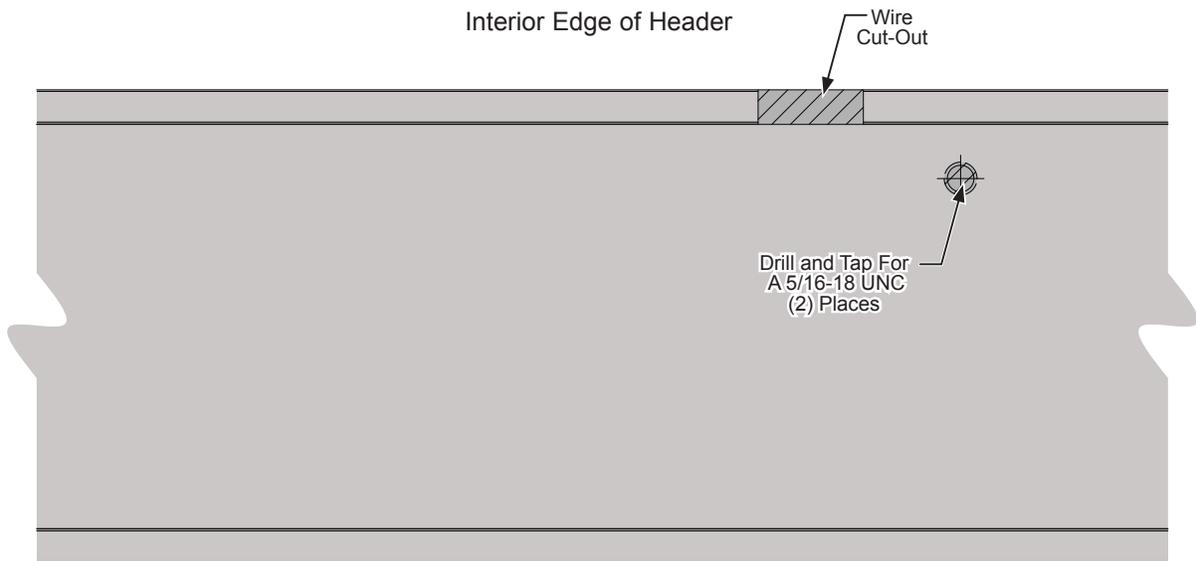
# REINSTALL THE PREPARED HEADER AND CONTINUE WITH THE MANUAL STRIKE INSTALLATION

Hardware Configuration



PKP1 SHOWN

FIG. 6



Exterior Edge of Header  
As Viewed From Below

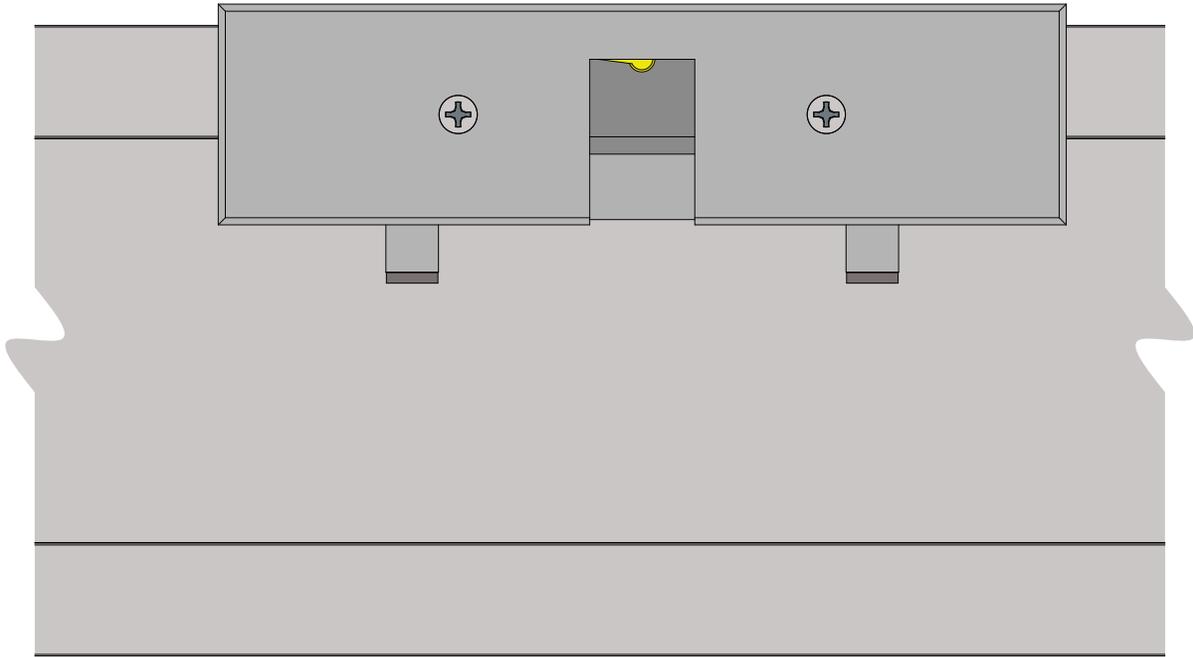
FIG. 7

Use Template from Box

NOT TO SCALE

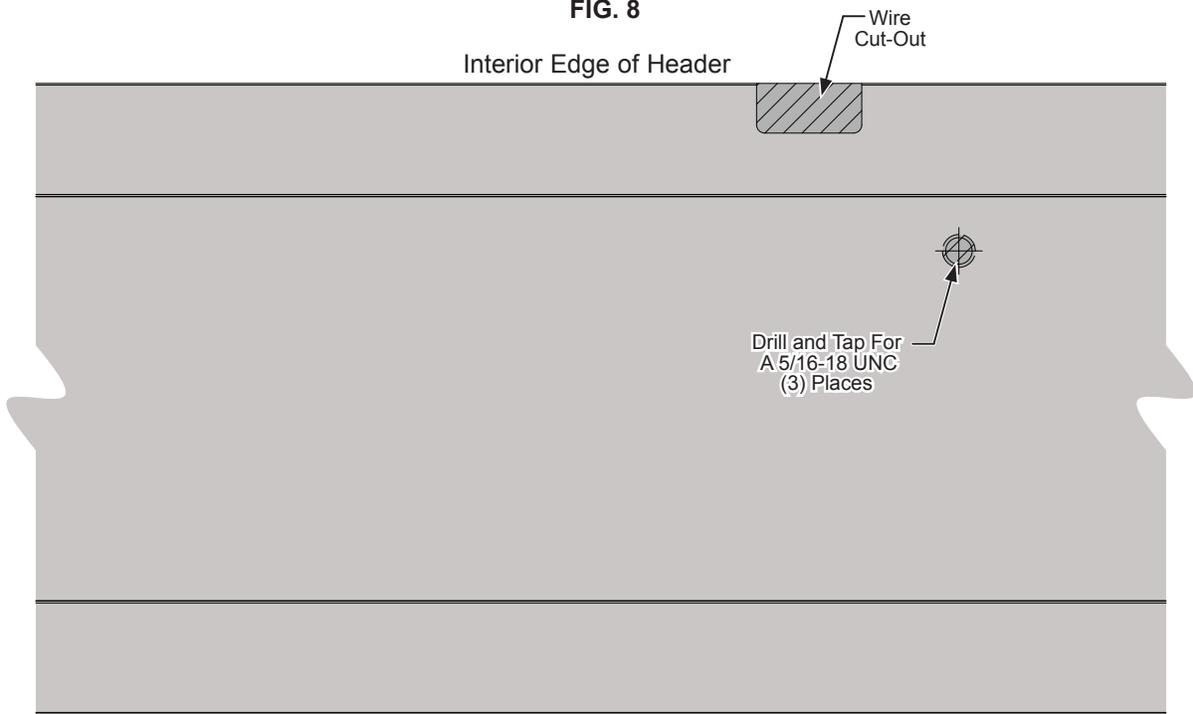
# REINSTALL THE PREPARED HEADER AND CONTINUE WITH THE MANUAL STRIKE INSTALLATION

## Hardware Configuration



PKP1 SHOWN

FIG. 8



Interior Edge of Header

Wire Cut-Out

Drill and Tap For A 5/16-18 UNC (3) Places

Exterior Edge of Header  
As Viewed From Below

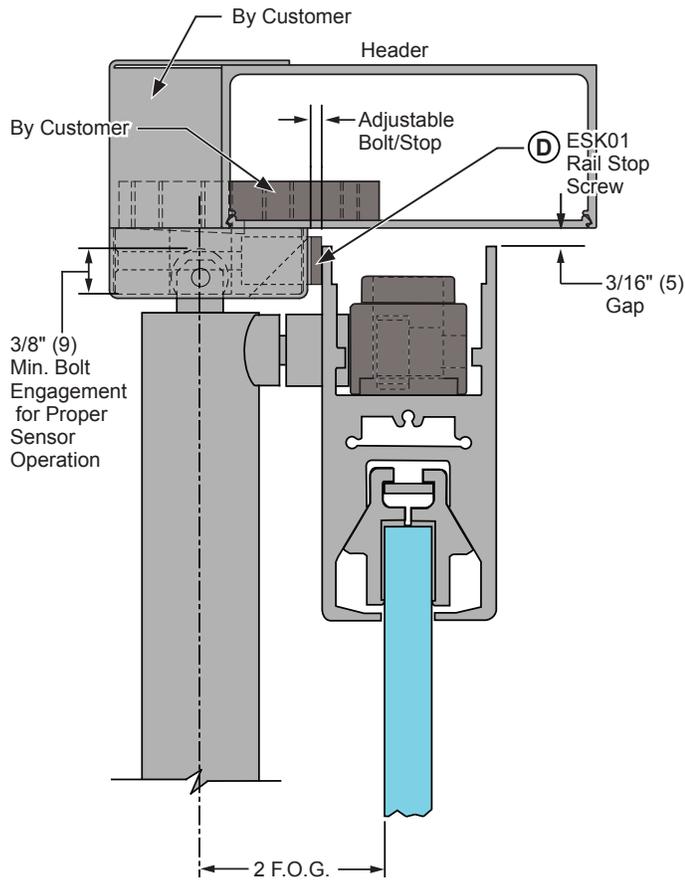
FIG. 9

**Use Template from Box**

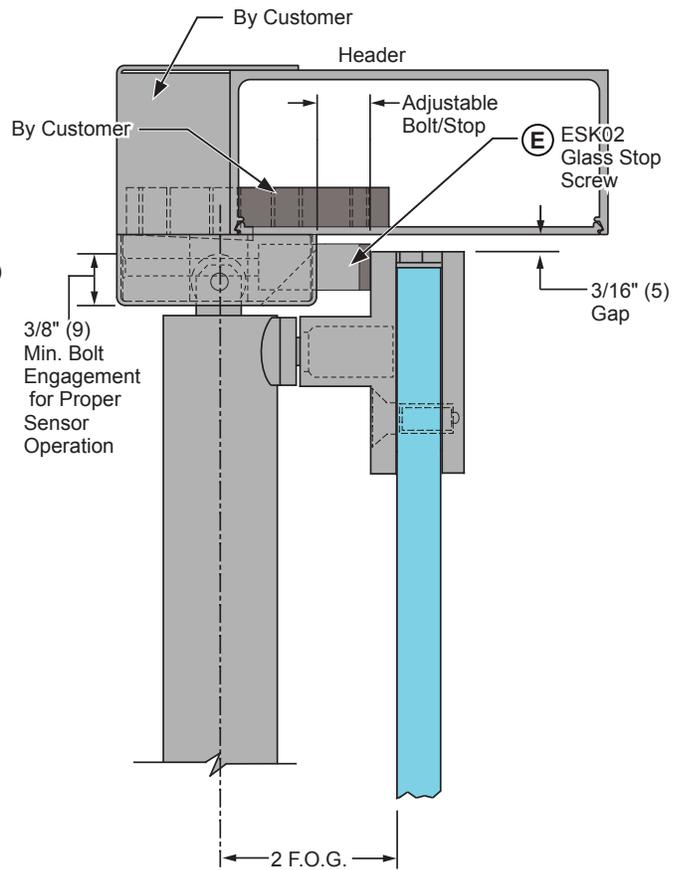
NOT TO SCALE

# MANUAL STRIKE APPLICATIONS

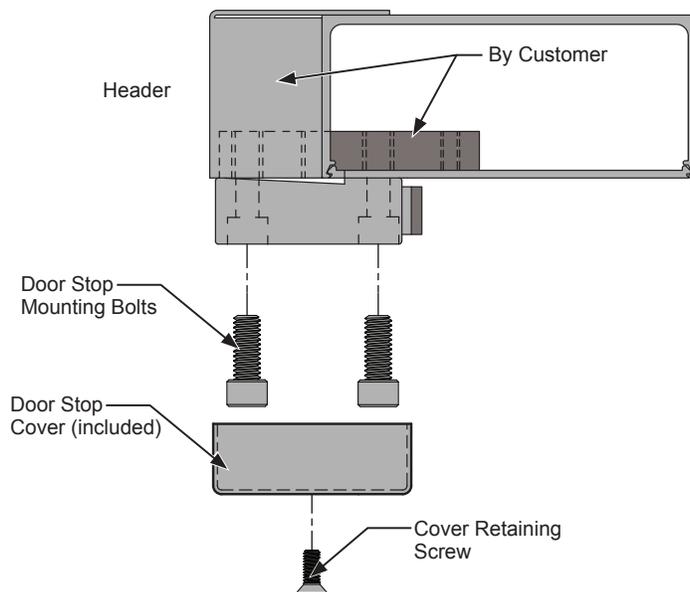
## DOOR RAIL APPLICATION AND DIRECT TO GLASS APPLICATION



**DOOR RAIL MOUNTING**  
**FIG. 10**



**GLASS MOUNTING**  
**FIG. 11**



**FIG. 12**

NOT TO SCALE

# MANUAL STRIKE INSTALLATION

## WIRING

**NOTE:** Must be within  $\pm 10\%$  of the listing on the strike label.

1. Before installing the strike, make the necessary wire connections through the wiring cut-out. Refer to the table below in. **(Fig. 13)**

⑥A for latch/deadbolt and monitor on PKP strikes only.

2. Tuck the wire harness into the cut-out as you attach the PKP1 Manual Strike to the header. Avoid pinching the wires. **(Fig. 14)**

### Specifications

- Handle material: 1-1/4" (32) diameter Stainless Steel Tubing.
- Switch, SPDT, maximum contact rating 5 Amps @ 250 Volts.
- Watertight precision body.
- 10 million cycle mechanism.
- Meets with IP67 (IEC 529) requirements.

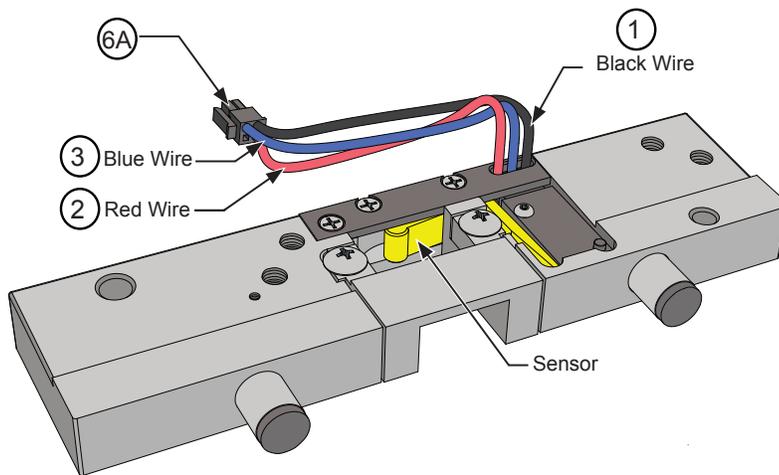


FIG. 13

BOLT MONITOR SWITCH	WIRE STANDARDS		
	WIRE #	COLOR	USAGE
	1	BLACK	COM
	2	RED	NO
3	BLUE	NC	

NOT TO SCALE

## MANUAL STRIKE INSTALLATION (CONTINUED)

1. Fasten the Manual Strike to the header using **(A)** (2) 5/16-18 x 3/4" SHCS. (**Fig. 14**)
2. Check the horizontal alignment. Make sure that the centerline of the latch bolt is aligned with the centerline of the strike.

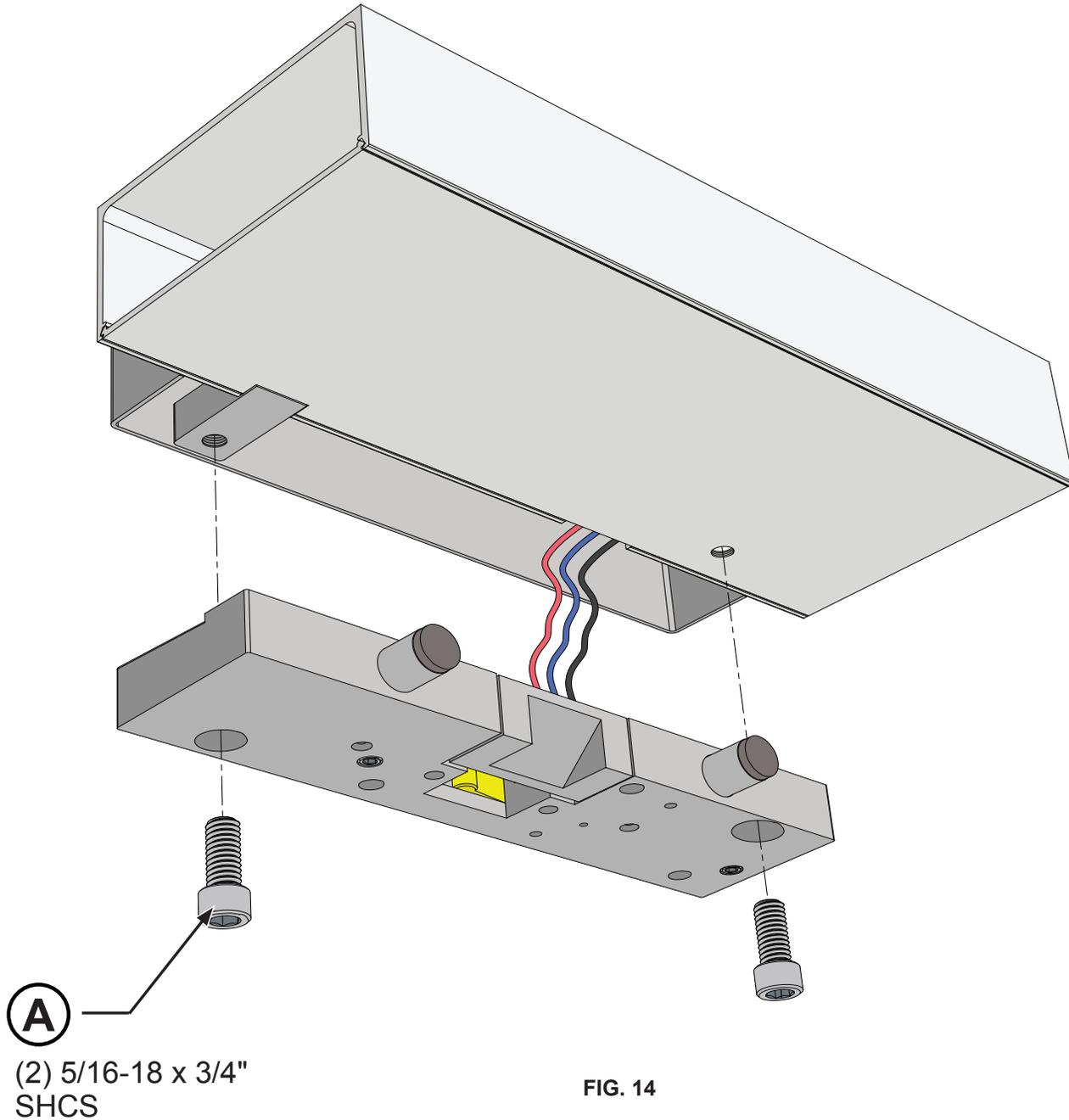


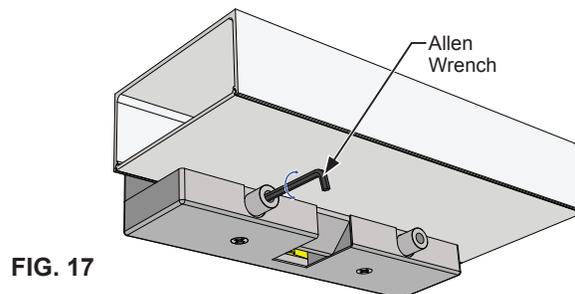
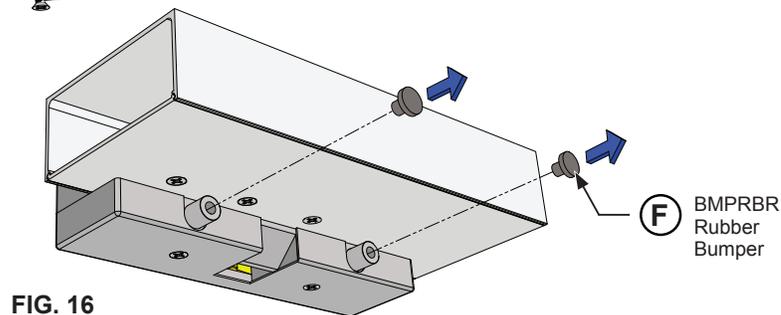
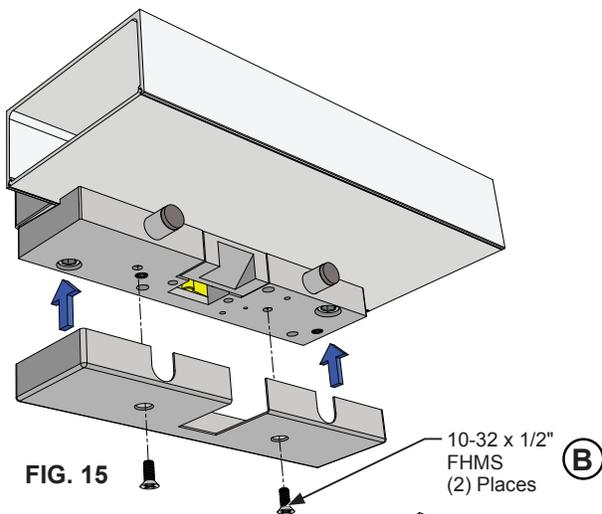
FIG. 14

NOT TO SCALE

## MANUAL STRIKE INSTALLATION (CONTINUED)

### RE-ATTACH STRIKE COVER AND MAKE FINAL ADJUSTMENTS

1. Install the Strike cover using (B) (2) 10-32 x 1/2" FHMS. (Fig. 15)
2. When the door closes against the rubber stop pads, the retractable bolt should automatically move upward to engage the strike.
3. The door stops may require adjustment to allow strike engagement. Do not overtighten. This can cause the door to rattle.
4. To adjust the stop, remove the rubber bumper covering a socket for a 1/4" Allen wrench. (Fig. 16) Insert the wrench and rotate in or out as needed. (Fig. 17) One full turn is equal to approximately 1/16" (1.6) of adjustment. Re-attach the rubber bumper.



NOT TO SCALE