INSTALLATION INSTRUCTIONS

RIM EXIT DEVICE
SERIES 2100 & FL2100 - REVERSIBLE

FLAT HEAD SCREW
#10-24 X 3/8 MS

MOUNTING BRACKET

ENDCAP

LHRB SHOWN

LOCK STILE CASE

OVAL HEAD SCREW
#10-24 X 1" MS OR
#10 X 1" SMS

PAN HEAD SCREW
#10-24 X 1/2" MS OR
#10 X 1" SMS

LOCK WASHER

TOUCHBAR ASSEMBLY

HEX DOGGING KEY
(DOGGING IS NOT PERMITTED ON SERIES FL2100)

COVER

FLAT HEAD SCREW
#8-32 X 3/8 MS
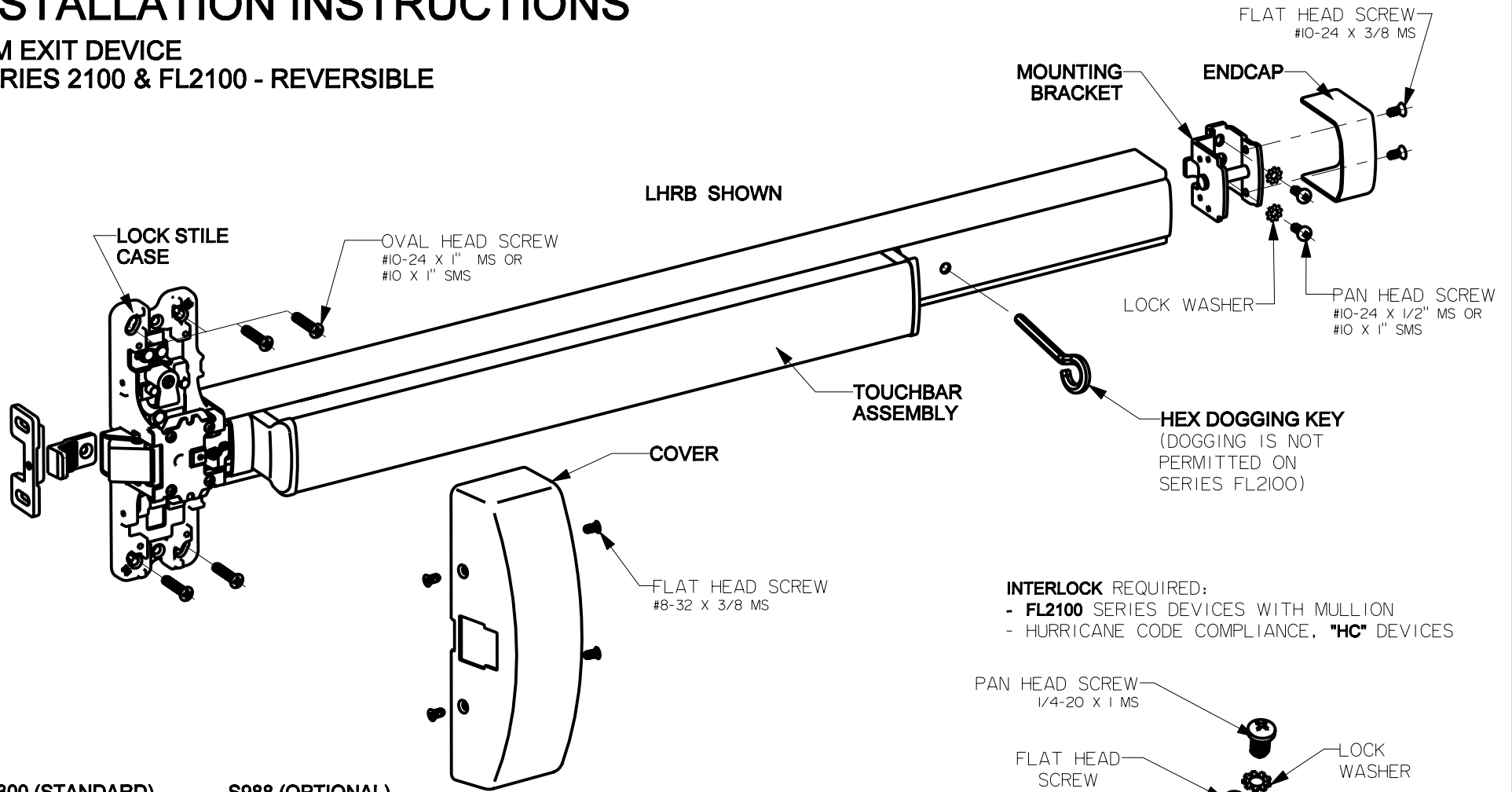
INTERLOCK REQUIRED:
- **FL2100** SERIES DEVICES WITH MULLION
- HURRICANE CODE COMPLIANCE, **"HC"** DEVICES

PAN HEAD SCREW
1/4-20 X 1 MS

FLAT HEAD SCREW

LOCK WASHER

INTERLOCK

S300 (STANDARD)
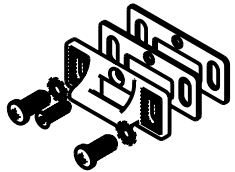
S988 (OPTIONAL) ALUMINUM FRAME
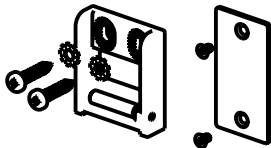
S301 (OPTIONAL)
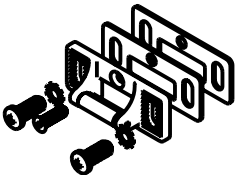
S458 (OPTIONAL)
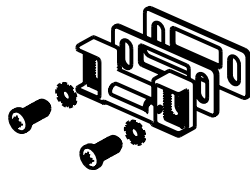
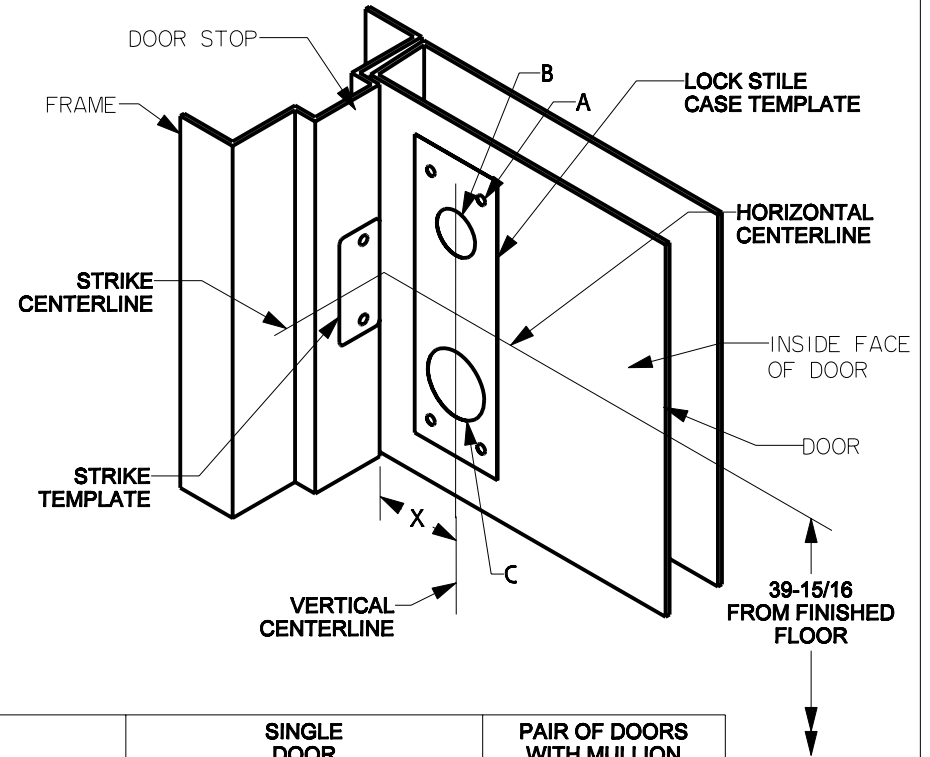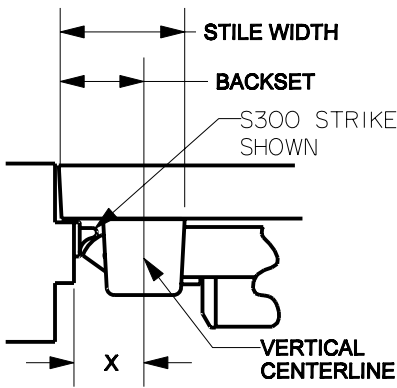| STRIKES AND SCREWS	S300 OR S301	S458	S988
1/4-20 X 3/4 MS	2	2	0
#14 X 1" SMS	2	2	0
#10-24 X 3/4" MS	1	0	0
#10 X 1" SMS	1	0	2
#10-24 X 1/2" MS	0	0	2
LOCK WASHER	2	2	2
#6-32 X 1/4" MS	0	0	2
RUB STRIP	0	0	1
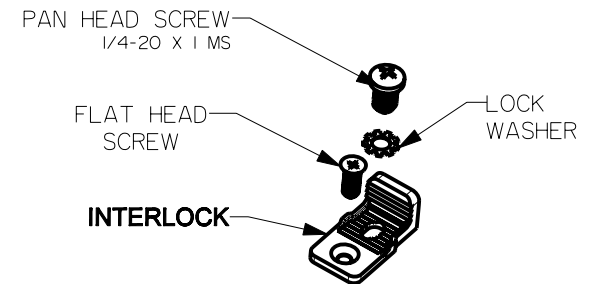
FIRE EXIT DEVICES SERIES FL2100
Sex bolts or through bolts are required for composite (Wood, Plastic and Steel covered), wood core, sheet metal and hollow metal doors without reinforcement unless door manufacturer has an alternate mounting method. Fire doors with steel reinforcement, mount devices with machine screws
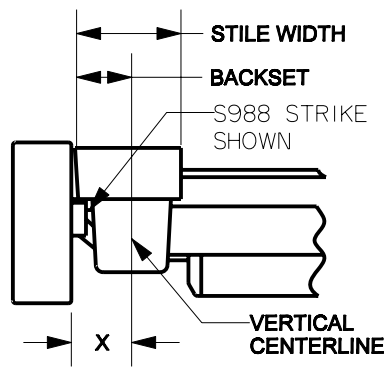
① DOOR PREPARATION

1. Circle the following.
   STRIKE NUMBER, Dimension "X", and **BACKSET** in the chart below.
   TRIM NUMBER. (if specified) at various locations (holes B and C) on the **TRIM TEMPLATE.**

2. Close door. Mark **HORIZONTAL CENTERLINE** on inside face of door and on lock side **DOOR STOP** 39-15/16" from finish floor as shown, or as required for the specific installation. (Continue horizontal centerline to outside face of door if trim is specified)

3. Mark **VERTICAL CENTERLINE** at lock side using dimension **"X".**
   (If trim is specified mark vertical centerline on the outside face of door using backset dimension)
   CAUTION: Vertical centerlines on both sides of the door should be the same dimension from the edge of the door.

4. Tape Lock Stile Case Template (and Trim Template if Trim specified) to the door so that the centerlines on the Template line up with centerlines on the door. Mark centers and drill the required holes as indicated on the templates.

5. Fold Strike Template and place on door stop or mullion and inside face of door, so the horizontal centerline on template lines up with the horizontal centerline on door stop and door. Tape template on the door stop or mullion and the door face. Mark centers and drill holes as indicated on the template.
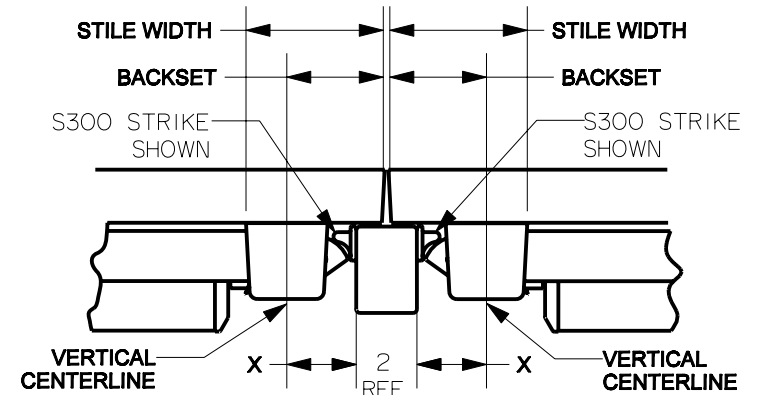

DOOR STOP — FRAME — STRIKE CENTERLINE — STRIKE TEMPLATE — VERTICAL CENTERLINE — LOCK STILE CASE TEMPLATE — HORIZONTAL CENTERLINE — INSIDE FACE OF DOOR — DOOR — 39-15/16 FROM FINISHED FLOOR

	SINGLE DOOR			PAIR OF DOORS WITH MULLION	
STRIKE No.	S300 S301	S458	S988 ALUMINUM	S300 S301	S458
DIMENSION X	2-1/4	2-1/16	2-1/16	2-1/4	2-1/16
BACKSET	2-3/4	2-9/16	1-15/16	3-1/8	2-15/16
STILE WIDTH	4-1/4 MIN	4 MIN	3-1/2 MIN	4-5/8 MIN	4-3/8 MIN

SINGLE HOLLOW METAL DOOR

STILE WIDTH — BACKSET — S300 STRIKE SHOWN — X — VERTICAL CENTERLINE

SINGLE ALUMINUM DOOR AND FRAME

STILE WIDTH — BACKSET — S988 STRIKE SHOWN — X — VERTICAL CENTERLINE

PAIR OF DOORS WITH MULLION

STILE WIDTH — BACKSET — S300 STRIKE SHOWN — VERTICAL CENTERLINE — X — 2 REF — X — STILE WIDTH — BACKSET — S300 STRIKE SHOWN — VERTICAL CENTERLINE

DEVICE PREPARATION

LHRB

INSTRUCTIONS TO CHANGE HAND
- REMOVE BACK PLATE ASSEMBLY AND ROTATE 180°

NOTE:
CAM MUST BE ABOVE THE HORIZONTAL CENTERLINE OF DEVICE.

RHRB

INSTRUCTIONS TO CHANGE FUNCTION
- REMOVE CAM AND ROTATE 180° AS SHOWN

BACK PLATE ASSEMBLY

LOCK STILE CASE

BACK PLATE ASSEMBLY

DOWN
2103/FL2103
KEY RETRACTS LATCH

CAM

UP
2108/FL2108
KEY LOCKS AND UNLOCKS TRIM

NOTE:
BACK PLATE ASSEMBLY NEED NOT BE REMOVED FROM LOCK STILE CASE TO CHANGE FUNCTION

BACKSET

DIMENSION Z

HINGE SIDE FILLER

VERTICAL CENTERLINE

END OF CHANNEL

2-3/16" RECOMMENDED
1-11/16" MINIMUM

1-3/32"

CHANNEL LENGTH
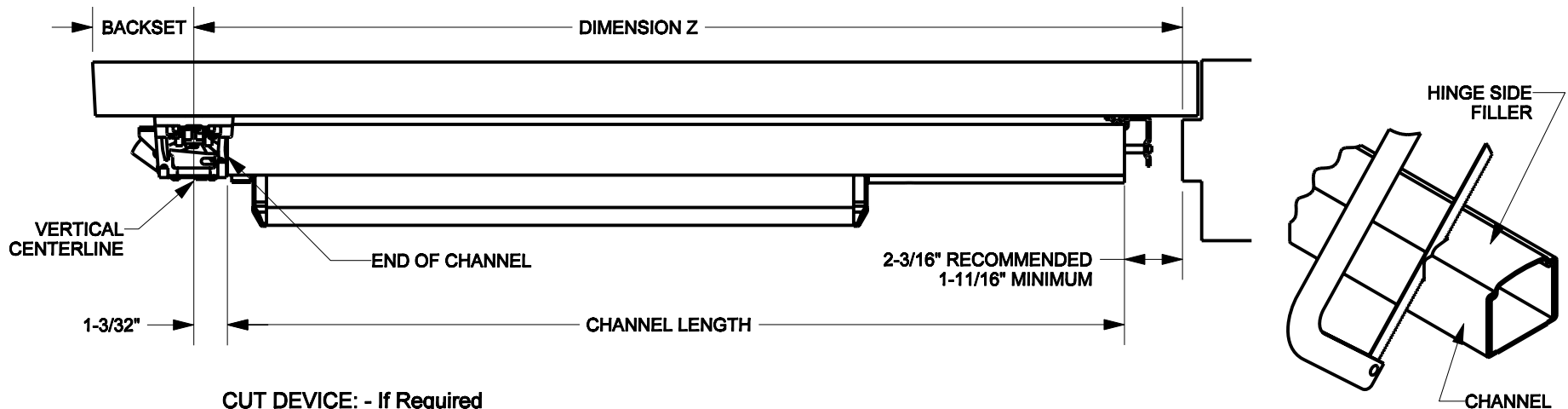
CHANNEL

CUT DEVICE: - If Required
1. Determine proper **CHANNEL LENGTH** by subtracting 3 1/4" from dimension **Z**.
2. Mark cut off point (hinge side filler must be all the way inside of channel).
3. Cut off channel and hinge side filler and deburr.

- CAUTION -
PROTECT INSIDE OF DEVICE FROM METAL SHAVINGS

② APPLY DEVICE

LOCKING SLIDE
LIFT
CAM
LEVEL
MARK HOLE LOCATION
MOUNTING BRACKET
LOCK STILE CASE

CAUTION:
For 1715, 2015 and 4914 trim the lift must be unlocked. The cam will move locking slide away from lift to unlock.
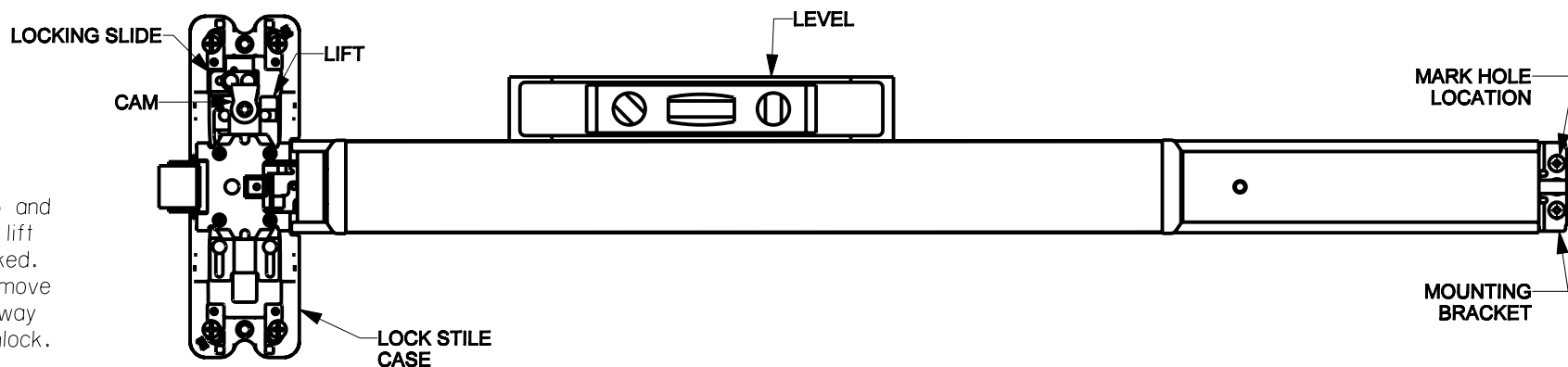
NOTE: If Trim is specified: See the Trim installation instructions packaged with the trim. If the Exit Device has Electrical or other options see specific option instructions in exit device carton.

1. Lock Stile Case Mounting
   DEVICE WITH TRIM – See Trim instructions
   CYLINDER ONLY – Install cylinder with cylinder back plate as shown. Make sure the tailpiece is extending 1/2" to 7/8" from the inside face of door. Insert tailpiece into **CAM** in the lock stile case and mount it to the door with 4 screws.
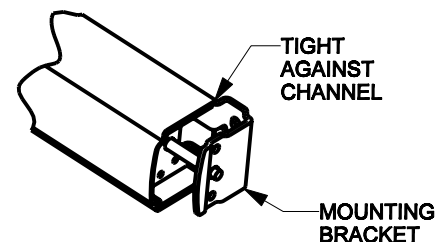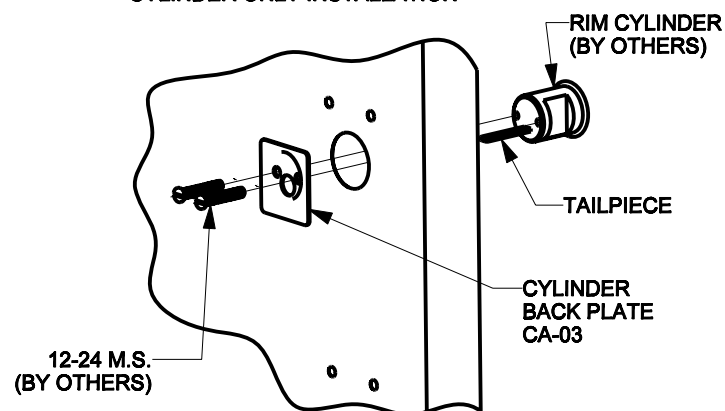   **EXIT ONLY** – Mount Lock Stile Case to the door with 4 screws.

2. Insert **MOUNTING BRACKET** into touch bar assembly tight against channel. Level device, mark and drill 2 holes for #10 sheet metal screws or #10-24 machine screws. Fasten **MOUNTING BRACKET** to door and attach **ENDCAP** with 2 screws.

3. Fasten strike to frame and adjust strike so that the device latches tightly without binding. Strike shims are provided if excessive gap is apparent between latch and strike lip.
   - For S300 and S301 strikes apply third center screw once adjustment is complete.
   - For S988 strike apply rub strip to the aluminum frame as shown on instructions packaged with strike.
   - For FL with mullion and HC devices, install interlock by sliding it into slot under Lock Stile Case. Secure with screws and lock washer.

4. Attach cover to lock stile case.

CYLINDER ONLY INSTALLATION

RIM CYLINDER (BY OTHERS)
TAILPIECE
CYLINDER BACK PLATE CA-03
12-24 M.S. (BY OTHERS)

TIGHT AGAINST CHANNEL
MOUNTING BRACKET