1) MAKE SURE THE CORRECT DEVICE AND TRIM ARE BEING USED AND ARE THE CORRECT HAND.
   NOTE: MONARCH ELECTRIFIED LOCKING TRIMS AND DEVICES CANNOT BE RE-HANDED NOR CAN
   THE UNIT BE CHANGED FROM FSA TO FSE OR VICE VERSA.
2) MAKE SURE THAT THE LUT-2 POWER SUPPLY IS USED WITH THE ELECTRIFIED TRIM AS REQUIRED.
3) MAKE SURE THAT THE 4873-089 CYLINDER MOUNTING BRACKET IS USED WITH 18 AND XX SERIES TRIMS.
1) VERIFY DOOR LAYOUT PER ATTACHED TEMPLATES ON PAGES 11-40.

<table>
<thead>
<tr>
<th>DEVICE &amp; TRIM TYPE</th>
<th>DEVICE TEMPLATE METAL / WOOD (PAGES)</th>
<th>TRIM TEMPLATE METAL / WOOD (PAGES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(F)-18-R-LE/SE/KE</td>
<td>T-5208 / W-5208 (26/27)</td>
<td>T-5365 / W-5365 (36/37)</td>
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<tr>
<td>(F)-18-R-T APOLLO</td>
<td>T-5208 / W-5208 (26/27)</td>
<td>T-5351 / W-5351 (34/35)</td>
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<tr>
<td>(F)-18-R-T VANGUARD</td>
<td>T-5208 / W-5208 (26/27)</td>
<td>T-5321 / W-5321 (32/33)</td>
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<tr>
<td>(F)-18-V-LE/SE/KE</td>
<td>T-5216 / W-5216 (30/31)</td>
<td>T-5365 / W-5365 (36/37)</td>
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<tr>
<td>(F)-18-M-LE/SE/KE</td>
<td>T-5210 / W-5210 (28/29)</td>
<td>T-5365 / W-5365 (36/37)</td>
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<tr>
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<td>T-5351 / W-5351 (34/35)</td>
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<td>T-5321 / W-5321 (32/33)</td>
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<tr>
<td>(F)-XX-R-LE/SE/KE</td>
<td>T-5001 / W-5001 (12/13)</td>
<td>T-5365 / W-5365 (36/37)</td>
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<tr>
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<tr>
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<td>T-5351 / W-5351 (33/34)</td>
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<td>(F)-XX-V-T VANGUARD</td>
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<td>T-5321 / W-5321 (32/33)</td>
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<tr>
<td>(F)-XX-M-LE/SE/KE</td>
<td>T-5010 / W-5010 (14/15)</td>
<td>T-5365 / W-5365 (36/37)</td>
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<tr>
<td>(F)-XX-M-T APOLLO</td>
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<td>(F)-XX-M-TVANGUARD</td>
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<td>(F)-17-R ALL TRIMS</td>
<td>T-5120 / W-5120 (22/23)</td>
<td>T-5467 / W-5467 (40/41)</td>
</tr>
<tr>
<td>(F)-17-V ALL TRIMS</td>
<td>T-5128 / W-5128 (24/25)</td>
<td>T-5467 / W-5467 (40/41)</td>
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<tr>
<td>(F)-19-R ALL TRIMS</td>
<td>T-5100 / W-5100 (18/19)</td>
<td>T-5427 / W-5427 (38/39)</td>
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<tr>
<td>(F)-19-R ALL TRIMS</td>
<td>T-5105 / W-5105 (20/21)</td>
<td>T-5427 / W-5427 (38/39)</td>
</tr>
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</table>

NOTE: THE TEMPLATE FOR HINGE PREP ON 17, 18, AND 19 SERIES DEVICES ARE:
T-5020 FOR METAL DOORS (ON PAGE 42) & W-5020 FOR WOOD DOORS (ON PAGE 43)

2) FOR XX DEVICES, VERIFY THAT THERE IS A WIRE RUN (OR A ROUTING FOR A WIRE RUN) FROM THE HINGE SIDE OF THE DOOR TO THE ACTIVE HEAD PREP.
ONE LEG OF THE POWER FROM THE LUT-2 POWER SUPPLY CONNECTS TO ONE LEG OF THE SOLENOID.

THE OTHER LEG OF POWER FROM THE LUT-2 POWER SUPPLY CONNECTS TO A CONTROL DEVICE (CARD READER, KEY PAD, PUSH BUTTON, DRY CONTACT, ETC.) AND THEN TO SOLENOID. SEE DIAGRAM BELOW.

NOTE: THE CONTROL DEVICE MUST BE ABLE TO WITHSTAND 24VDC @ 0.5 A, OTHERWISE USE A SWITCHING RELAY TO CONTROL THE UNIT.

### TWO INDEPENDENT TRIM SET-UP

<table>
<thead>
<tr>
<th>WIRE RUN</th>
<th>AWG REQUIRED</th>
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<td>0-100 FT.</td>
<td>18</td>
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<td>101-200 FT.</td>
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<tr>
<td>201-300 FT.</td>
<td>14</td>
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</table>
4 SYSTEM INSTALLATION

FOR 17 SERIES, SEE BELOW.
FOR 18 SERIES, SEE PAGE 6.
FOR 19 SERIES, SEE PAGE 8.
FOR XX SERIES, SEE PAGE 10.

4A. 17 SERIES DEVICE SYSTEM INSTALLATION

1) DRILL 1/2" DIA. WIRE ACCESS HOLE IN HINGE END OF 17 SERIES EXIT DEVICE AND DEBURR.

NOTE: DO NOT DRILL THIS WIRE ACCESS HOLE UNTIL AFTER DEVICE HAS BEEN SIZED TO FIT DOOR (DEVICE SOMETIMES MUST BE CUT TO LENGTH). SEE DEVICE INSTRUCTIONS.

2) VERIFY THAT THERE IS WIRE RUN FROM THE HEAD AREA OF THE DEVICE THROUGH THE PUSHBAR AND COMING OUT THE HINGE END OF THE DEVICE. THIS WILL BE USED FOR CONDUIT FOR THE ELECTRIFIED FEATURE.
3) MOUNT THE MORTISE CYLINDER FOR THE KEY OVERRIDE FEATURE (IF DESIRED) TO THE TRIM USING THE CYLINDER NUT PROVIDED WITH THE TRIM.

4) CONNECT THE WIRES FROM THE SOLENOID IN THE CONTROL TRIM TO THE WIRES RUNNING THROUGH THE 17 SERIES DEVICE.

5) THROUGHBOLT THE DEVICE AND TRIM AND PROCEED WITH DEVICE INSTALLATION.

6) AFTER DEVICE INSTALLATION, CONNECT DEVICE TO LUT-2 POWER SUPPLY AND PROCEED TO OPERATIONAL TEST ON PAGE 11.
4B. 18 SERIES DEVICE SYSTEM INSTALLATION

1) DRILL 1/2” DIA. WIRE ACCESS HOLE IN HINGE END OF 18 SERIES EXIT DEVICE AND DEBurr.

NOTE: DO NOT DRILL THIS WIRE ACCESS HOLE UNTIL AFTER DEVICE HAS BEEN SIZED TO FIT DOOR (DEVICE SOMETIMES MUST BE CUT TO LENGTH). SEE DEVICE INSTRUCTIONS.

2) MORTISE DEVICE INSTALLATION (FOR RIM OR VERTICAL DEVICE, GO TO STEP 3):

2A) ON MORTISE DEVICES, VERIFY THAT THERE IS WIRE RUN FROM THE HEAD AREA OF THE DEVICE THROUGH THE PUSHPBAR AND COMING OUT THE HINGE END OF THE DEVICE. THIS WILL BE USED FOR CONDUIT FOR THE ELECTRIFIED FEATURE.

2B) MOUNT THE ELECTRIFIED MORTISE LOCK INTO THE DOOR (IF APPROPRIATE) PER DEVICE INSTRUCTION SHEET.

2C) CONNECT THE WIRES FROM THE SOLENOID IN THE MORTISE LOCK TO THE WIRES RUNNING THROUGH THE 18-M DEVICE (IF APPROPRIATE).

2D) THROUGHBOLT THE DEVICE AND TRIM AND PROCEED WITH DEVICE INSTALLATION.
3) RIM AND VERTICAL DEVICE INSTALLATION:

3A) ON TRIMS FOR RIM AND SURFACE VERTICAL ROD DEVICES, MOUNT THE RIM CYLINDER FOR THE KEY OVERRIDE FEATURE (IF DESIRED) TO THE TRIM USING THE 4873-089 CYLINDER MOUNTING BRACKET PROVIDED WITH THE TRIM.

3B) ON RIM & SURFACE VERTICAL ROD DEVICES, CHECK TO ENSURE THAT THE SOLENOID IS SECURELY CONNECTED TO THE WIRES RUNNING THROUGH THE DEVICE CHANNEL.

3C) THROUGHBOLT THE DEVICE AND TRIM AND PROCEED WITH DEVICE INSTALLATION.

4) AFTER DEVICE INSTALLATION, CONNECT DEVICE TO LUT-2 POWER SUPPLY AND PROCEED TO OPERATIONAL TEST ON PAGE 11.
4C. 19 SERIES DEVICE SYSTEM INSTALLATION

1) DRILL 1/2" DIA. WIRE ACCESS HOLE IN HINGE END OF 19 SERIES EXIT DEVICE AND DEBURR.

   NOTE: DO NOT DRILL THIS WIRE ACCESS HOLE UNTIL AFTER DEVICE HAS BEEN Sized TO FIT DOOR (DEVICE SOMETIMES MUST BE CUT TO LENGTH). SEE DEVICE INSTRUCTIONS.

2) VERIFY THAT THERE IS WIRE RUN FROM THE HEAD AREA OF THE DEVICE THROUGH THE PUSHBAR AND COMING OUT THE HINGE END OF THE DEVICE. THIS WILL BE USED FOR CONDUIT FOR THE ELECTRIFIED FEATURE.

3) MOUNT THE MORTISE CYLINDER FOR THE KEY OVERRIDE FEATURE (IF DESIRED) TO THE TRIM USING THE CYLINDER NUT PROVIDED WITH THE TRIM.
4) CONNECT THE WIRES FROM THE SOLENOID IN THE CONTROL TRIM TO THE WIRES RUNNING THROUGH THE 19 SERIES DEVICE.

5) THROUGHBOLT THE DEVICE AND TRIM AND PROCEED WITH DEVICE INSTALLATION.

6) AFTER DEVICE INSTALLATION, CONNECT DEVICE TO LUT-2 POWER SUPPLY AND PROCEED TO OPERATIONAL TEST ON PAGE 11.
4D. XX SERIES DEVICE SYSTEM INSTALLATION

1) PULL WIRE FROM THE HINGE SIDE OF THE DOOR TO THE ACTIVE HEAD SIDE OF THE DOOR USING THE ROUTING PROVIDED BY THE DOOR MANUFACTURER OR INSTALLER

2) FOR RIM AND VERTICAL DEVICES, MOUNT THE RIM CYLINDER FOR THE KEY OVER-RIDE FEATURE (IF DESIRED) TO THE TRIM USING THE 4873-089 CYLINDER MOUNTING BRACKET PROVIDED WITH THE TRIM.

3) CONNECT THE WIRES FROM THE SOLENOID IN EITHER THE MORTISE LOCK OR THE ACTIVE HEAD TO THE WIRES PULLED THROUGH THE DOOR.

4) THROUGHBOLT THE ACTIVE HEAD AND TRIM AND PROCEED WITH DEVICE INSTALLATION.

5) AFTER DEVICE INSTALLATION, CONNECT DEVICE TO LUT-2 POWER SUPPLY AND PROCEED TO OPERATIONAL TEST ON PAGE 11.
5 OPERATIONAL TEST

FOR FSA (FAIL SAFE) DEVICES:

1) WITH POWER ENGAGED, THE TRIM WILL BE LOCKED.
2) FUNCTION THE CONTROL DEVICE OR DISCONNECT MAIN POWER FROM THE LUT-2, THE TRIM WILL UNLOCK.
3) WITH POWER ENGAGED, CHECK TO ENSURE THAT THE KEY-OVERRIDE FEATURE FUNCTIONS PROPERLY.

FOR FSE (FAIL SECURE) DEVICES:

1) WITH POWER ENGAGED, THE TRIM WILL BE UNLOCKED.
2) FUNCTION THE CONTROL DEVICE OR DISCONNECT MAIN POWER FROM THE LUT-2, THE TRIM WILL LOCK.
3) WITH POWER DISENGAGED, CHECK TO ENSURE THAT THE KEY-OVERRIDE FEATURE FUNCTIONS PROPERLY.
NOTE: 571 and 571-A strikes are not approved for fire rated applications.

### Single Door Application

<table>
<thead>
<tr>
<th>STRIKE</th>
<th>INSTALLED</th>
<th>“A”</th>
<th>MIN. STILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>565</td>
<td>SURFACE</td>
<td>2&quot;</td>
<td>3-3/4&quot;</td>
</tr>
<tr>
<td>565</td>
<td>FLUSH</td>
<td>1-1/2&quot;</td>
<td>3-1/4&quot;</td>
</tr>
<tr>
<td>570</td>
<td>SURFACE</td>
<td>2-1/4&quot;</td>
<td>4&quot;</td>
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<td>F-490</td>
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</table>

- For outside trim preparation, see trim template for door preparation.
- For sex bolt preparation, when required, see template T-4014.
- See master sheet #0100 for suggested reinforcing.

**DO NOT SCALE**

### Double Door Application

<table>
<thead>
<tr>
<th>STRIKE</th>
<th>INSTALLED WITH</th>
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<th>MIN. STILE</th>
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<tbody>
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</tbody>
</table>

**NOTE:** 571 and 571-A strikes are not approved for fire rated applications.
**LHR SHOWN**

**RHR OPPOSITE**

1-3/8" DIA. THRU
4-1/8" x 1-3/4" CUTOUT
1-1/2" DEEP
DEVICE SIDE OF DOOR

**DEVICE REF. C**

40-1/4" FROM FINISHED FLOOR TO DEVICE REF. C
(37-1/4" FROM FINISHED FLOOR FOR XX SERIES CROSSBAR)

**VERTICAL C**

1-3/4" - 7/8"  
2-1/16"  
15/16"  
7-3/4"  
4-1/8"  
3-7/8"

**WIRING AND ACCESS THROUGH DOOR PROVIDED BY OTHERS**

**TO EDGE OF CUTOUT**

**CUTOUT WIDTH**

1-3/4"

**SINGLE DOOR APPLICATION**

1/8"  
"A"  
VERTICAL

**DOUBLE DOOR APPLICATION**

VERTICAL C  
1/4"  
"B"  
"B"  
MULLION APPLICATION SHOWN

---

**STRIKE INSTALLED**  
**"A"**  
**MIN. STILE**

<table>
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**STRIKE INSTALLED WITH**  
**"B"**  
**MIN. STILE**

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**NOTE:**

571 AND 571-A STRIKES ARE NOT APPROVED FOR FIRE RATED APPLICATIONS.

---

**DO NOT SCALE**

---

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1-877-671-7011  www.allegion.com/us

**TITLE:**  
(F-)XX-R-KE, (F-)XX-R-LE,  
(F-/)XX-R-T, (F-)XX-R-SE RIM DEVICES  
WITH FSA OR FSE  
ELECTRIC LOCKING FEATURE  
WOOD DOOR

**DATE:**  
08-01-2002

**TEMPLATE NUMBER - REV.:**  
W-5001-2

**EFFECTIVE FOR PRODUCT SHIPPED AFTER:**  
09/01/2002

**PRIOR TO THIS DATE USE EXISTING TEMPLATES**

---

**FOR DEVICE WITH THRU-BOLTING TRIM, REFER TO TRIM TEMPLATE FOR DOOR PREPARATION**

**FOR DEVICE WITH NON-THRU-BOLTING TRIM, DRILL 9/64" DIA. HOLE x 1-1/4" DEEP OR REFER TO TEMPLATE W-4014 FOR SEX BOLTS (4 PLACES)**

**SEX BOLTS MUST BE USED FOR FIRE RATED APPLICATIONS**

---

**EFFECTIVE FOR PRODUCT SHIPPED AFTER:**  
09/01/2002

**PRIOR TO THIS DATE USE EXISTING TEMPLATES**

---

**FOR OUTSIDE TRIM PREPARATION, SEE TRIM TEMPLATE FOR DOOR PREPARATION.**

**FOR SEX BOLT PREPARATION, WHEN REQUIRED, SEE TEMPLATE W-4014.**
LHR SHOWN
RHR OPPOSITE

- SEE TEMPLATE T-4012 FOR MORTISE LOCK PREPARATION
- FOR DOORS WITH EXISTING MORTISE LOCK PREPARATION, THE DEVICE REF C IS 5/16" ABOVE THE LOCKFRONT C
- FOR SEXBOLT PREPARATION, WHEN REQUIRED, REFER TO TEMPLATE T-4014
- FOR OUTSIDE TRIM PREPARATION, SEE ADDITIONAL TRIM TEMPLATE FOR DOOR PREPARATION
- SEE MASTER SHEET #0100 FOR SUGGESTED REINFORCING

DO NOT SCALE
SEE TEMPLATE W-4012 FOR MORTISE LOCK PREPARATION

FOR DOORS WITH EXISTING MORTISE LOCK PREPARATION, THE DEVICE REF C IS 5/16" ABOVE THE LOCKFRONT C

FOR SEXBOLT PREPARATION, WHEN REQUIRED, REFER TO TEMPLATE W-4014

FOR OUTSIDE TRIM PREPARATION, SEE ADDITIONAL TRIM TEMPLATE FOR DOOR PREPARATION

1/4" FROM LATCHBOLT C TO LOCKFRONT C

5/16" TO MORTISE LOCKFRONT C

40-1/4" FROM FINISHED FLOOR TO DEVICE REF C

(XX SERIES CROSSBAR IS 37-1/4" FROM FINISHED FLOOR)

• FOR DEVICE WITH THRUBOLTING TRIM, REFER TO TRIM TEMPLATE FOR DOOR PREPARATION
• FOR DEVICE WITH NON-THRUBOLTING TRIM: DRILL 9/64" DIA. HOLE x 1-1/4" DEEP OR REFER TO TEMPLATE W-4014 FOR SEXBOLTS

(F)XX-M-KE, (F)XX-M-LE, (F)XX-M-T, (F)XX-M-SE MORTISE DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE

WOOD DOOR

FALCON

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(312) 236-1000  www.falconhardware.com

TECHNICAL SERVICE 800-826-5792
FAX-ON-DEMAND 877-454-9696

TITLE:

DATED: 1-1-2001

TEMPLATE NUMBER - REV. W-5010-2

Page 15 of 44
LHR SHOWN: RHR OPPOSITE

<table>
<thead>
<tr>
<th>INSTALLATION</th>
<th>BACKSET</th>
<th>3-1/2&quot; MIN. STILE</th>
<th>FLUSH DOOR</th>
</tr>
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<tbody>
<tr>
<td>TWO VERTICAL ROD DEVICES</td>
<td>1/2 OF STILE</td>
<td>2-3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>VERTICAL ROD x MORTISE DEVICE</td>
<td>2-3/4&quot;</td>
<td>2-3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>VERTICAL ROD x RIM DEVICE</td>
<td>2-3/4&quot;</td>
<td>2-3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>(USING 571 STRIKE)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VERTICAL ROD x RIM DEVICE</td>
<td>2-1/4&quot;</td>
<td>2-1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>(USING 571-A STRIKE)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NOTE: 571 AND 571-A STRIKES ARE NOT APPROVED FOR FIRE RATED APPLICATIONS.

- FOR THRU-BOLTING TRIM, SEE TRIM TEMPLATE FOR DOOR PREPARATION
- FOR DEVICE WITH NON-THRU-BOLTING TRIM, DRILL 9/64" DIA. HOLE FOR SHEET METAL SCREW OR DRILL AND TAP #10-24 SCREW (4 PLACES)
- MACHINE SCREWS MUST BE USED FOR FIRE RATED APPLICATIONS

- FOR APPLICATIONS OVER 8 FT., INSTALL TWO ROD GUIDES EQUALLY SPACED ON TOP ROD.
- FOR FIRE RATED LESS BOTTOM ROD (LBR) APPLICATION, REFER TO TEMPLATE T-4310 FOR SPRING BOLT ASSEMBLY PREPARATION AND OMIT BOTTOM ROD PREPARATION.
- LESS BOTTOM ROD (LBR) DEVICE CANNOT BE USED IN CONJUNCTION WITH MORTISE OR RIM DEVICES.
- FOR OUTSIDE TRIM, SEE TRIM TEMPLATE FOR DOOR PREPARATION.
- FOR SEX BOLT PREPARATION, WHEN REQUIRED, SEE TEMPLATE T-4014.
- SEE MASTER SHEET #0100 FOR SUGGESTED REINFORCING.

DO NOT SCALE
FOR DEVICE WITH THRU-BOLTING TRIM, REFER TO TRIM TEMPLATE FOR DOOR PREPARATION
FOR DEVICE WITH NON-THRU-BOLTING TRIM, DRILL 9/64" DIA. HOLE x 1-1/4" DEEP OR REFER TO TEMPLATE W-4014 FOR SEX BOLTS (4 PLACES)
SEX BOLTS MUST BE USED FOR FIRE RATED APPLICATIONS

<table>
<thead>
<tr>
<th>INSTALLATION</th>
<th>BACKSET</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWO VERTICAL ROD DEVICES</td>
<td>3-1/2&quot; MIN. STILE</td>
</tr>
<tr>
<td>VERTICAL ROD x MORTISE DEVICE</td>
<td>1/2 OF STILE</td>
</tr>
<tr>
<td>VERTICAL ROD x RIM DEVICE (USING 571 STRIKE)</td>
<td>2-3/4&quot;</td>
</tr>
<tr>
<td>VERTICAL ROD x RIM DEVICE (USING 571-A STRIKE)</td>
<td>2-1/4&quot;</td>
</tr>
</tbody>
</table>

NOTE: 571 AND 571-A STRIKES ARE NOT APPROVED FOR FIRE RATED APPLICATIONS.

FOR LESS BOTTOM ROD (LBR) APPLICATION (20 MINUTE RATING), REFER TO TEMPLATE W-4310 FOR SPRING BOLT ASSEMBLY PREPARATION AND OMIT BOTTOM ROD PREPARATION.
LESS BOTTOM ROD (LBR) DEVICE CANNOT BE USED IN CONJUNCTION WITH MORTISE OR RIM DEVICES.
FOR OUTSIDE TRIM PREPARATION, SEE TRIM TEMPLATE FOR DOOR PREPARATION.
PREPARE TOP AND BOTTOM LATCHES/BOLTS AT TIME OF DEVICE INSTALLATION.
FOR SEX BOLT PREPARATION, WHEN REQUIRED, SEE TEMPLATE W-4014.
LHR SHOWN
RHR OPPOSITE

VERT C

REFER TO TRIM TEMPLATE FOR DOOR PREPARATION

40-5/16" FROM FINISHED FLOOR TO DEVICE REF C

DEVICE REF C

VERT C

SINGLE DOOR APPLICATION

1/8"

“A”

VERT C

DOUBLE DOOR APPLICATION

1/4"R

MULLION APPLICATION SHOWN

“B”

“B”

NOTE: 571 & 571-A STRIKES ARE NOT APPROVED FOR FIRE RATED APPLICATIONS

FOR OUTSIDE TRIM PREPARATION, SEE ADDITIONAL TRIM TEMPLATE FOR DOOR PREPARATION

SEE MASTER SHEET #0100 FOR SUGGESTED REINFORCING

STRIKE | INSTALLED | “A” | MIN. STILE
---|---|---|---
565 | SURFACE | 1-7/16" | 2-7/8"
565 | FLUSH | 15/16" | 2"
560 | SURFACE | 1-5/8" | 3-1/2"
F-570 | SURFACE | 1-5/8" | 3-1/2"
F-490 | SURFACE | 1-5/8" | 3-1/2"

STRIKE | INSTALLED WITH | “B” | MIN. STILE
---|---|---|---
565 | 2923 MULLION | 2-3/16" | 3-1/8"
565 | 4023 MULLION | 2-7/16" | 3-3/8"
560 | 2923 MULLION | 2-3/8" | 3-1/2"
560 | 4023 MULLION | 2-5/8" | 3-3/4"
F-570 | F-4023 MULLION | 2-5/8" | 3-3/4"
F-490 | F-4023 MULLION | 2-5/8" | 3-3/4"
571 | 19 VERTICAL | 2-5/16" | 3-1/4"
571-A | 19 VERTICAL | 1-13/16" | 2-3/4"

Customer Service
1-877-671-7011 www.allegion.com/us

TITILE:
(F)19-R-K, (F)19-R-L, (F)19-R-T, (F)19-R-SE RIM DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE


T-5100-4
**SURFACE VERTICAL ROD DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE**

- **DATE:** 08-01-2002
- **TEMPLATE NUMBER - REV.:** T-5105-4

---

- **FOR APPLICATIONS OVER 8 FT., INSTALL TWO ROD GUIDES EQUALLY SPACED ON TOP ROD.**
- **FOR FIRE RATED LESS BOTTOM ROD (LBR) APPLICATION, REFER TO TEMPLATE T-4310 FOR SPRING BOLT ASSEMBLY PREPARATION AND OMIT BOTTOM ROD PREPARATION.**
- **LESS BOTTOM ROD (LBR) DEVICE CANNOT BE USED IN CONJUNCTION WITH RIM DEVICES.**
- **FOR OUTSIDE TRIM, SEE TRIM TEMPLATE FOR DOOR PREPARATION.**
- **FOR SEX BOLT PREPARATION, WHEN REQUIRED, SEE TEMPLATE T-4014.**
- **SEE MASTER SHEET #0100 FOR SUGGESTED REINFORCING.**

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**CUSTOMER SERVICE**

1-877-671-7011  www.allegion.com/us

---

**TITLE:** (F-)19-V-K, (F-)19-V-L, (F-)19-V-T, (F-)19-V-SE

**SURFACE VERTICAL ROD DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE**

---

**DO NOT SCALE**
FOR LESS BOTTOM ROD (LBR) APPLICATION (20 MINUTE RATING), REFER TO TEMPLATE W-4310 FOR SPRING BOLT ASSEMBLY PREPARATION AND OMIT BOTTOM ROD PREPARATION.

LESS BOTTOM ROD (LBR) DEVICE CANNOT BE USED IN CONJUNCTION WITH RIM DEVICES.

PREPARE TOP AND BOTTOM LATCHES/BOLTS AT TIME OF DEVICE INSTALLATION.
SINGLE DOOR APPLICATION

DEVICE REF. C

40" FROM FINISHED FLOOR TO DEVICE REF. C

1/8" MOUNTING & TRIM

3-1/4" 1-5/8" 1-5/8" 3-1/4" 1/4"

1-1/8" 1/4" R (4 PLACES)

FOR F-17-R DEVICES ONLY, DRILL & TAP FOR #10-24 MACHINE SCREW (2 HOLES)

DOUBLE DOOR APPLICATION

MOUNTING & TRIM C

MOUNTING & TRIM C

MOUNTING & TRIM C

MULLION APPLICATION SHOWN

STRIKE | INSTALLED | "A" | MIN. STILE
--- | --- | --- | ---
565 | SURFACE | 1-1/8" | 3-1/4"
565 | FLUSH | 3/4" | 2-3/8"
570 | SURFACE | 1-7/16" | 3-1/2"
579 | SURFACE | 13/16" | 2-7/8"
490 | SURFACE | 1-7/16" | 3-1/2"
F-570 | SURFACE | 1-7/16" | 3-1/2"
F-490 | SURFACE | 1-7/16" | 3-1/2"

STRIKE | INSTALLED WITH | "B" | MIN. STILE
--- | --- | --- | ---
565 | 2923 MULLION | 1-7/8" | 3-3/8"
565 | 4023 MULLION | 2-1/8" | 3-5/8"
570 | 2923 MULLION | 2-3/16" | 3-3/4"
570 | 4023 MULLION | 2-7/16" | 4"
579 | 2923 MULLION | 1-9/16" | 3-1/4"
579 | 4023 MULLION | 1-13/16" | 3-1/2"
490 | 2923 MULLION | 2-3/16" | 3-3/4"
490 | 4023 MULLION | 2-7/16" | 4" 4396 | 4423 MULLION | 1-1/8" | 2-5/8"
571 | 17 VERTICAL | 2-3/16" | 3-3/4"
571-A | 17 VERTICAL | 1-11/16" | 3-1/4"

NOTE: THE 571 & 517-A STRIKES ARE NOT APPROVED FOR FIRE RATED APPLICATIONS

FOR SEXBOLT PREPARATION, WHEN REQUIRED, REFER TO TEMPLATE T-4014
SEE MASTER SHEET #0100 FOR SUGGESTED REINFORCING

FALCON
Customer Service
1-877-671-7011 www.allegion.com/us

TITLE: (F)17-R-K, (F)17-R-L, (F)17-R-T, (F)17-R-SE RIM DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE


TEMPLATE NUMBER - REV.

T-5120-6
LHR SHOWN
RHR OPPOSITE

REFER TO TRIM TEMPLATE FOR DOOR PREPARATION

40" FROM FINISHED FLOOR TO DEVICE REF. C

1-1/8" x 3/4" DEEP

MOUNTING AND TRIM C

1/4" R

(4 PLACES)

1-5/8" x 3/4" DEEP

DEVICE REF. C

3-1/4"

3-1/4"

1-1/8"

1/4"

STRIKE
INSTALLED
"A"
MIN. STILE

565
SURFACE
1-1/8"
3-1/4"

565
FLUSH
3/4"
2-3/8"

570
SURFACE
1-7/16"
3-1/2"

579
SURFACE
13/16"
2-7/8"

490
SURFACE
1-7/16"
3-1/2"

F-570
SURFACE
1-7/16"
3-1/2"

F-490
SURFACE
1-7/16"
3-1/2"

SINGLE DOOR APPLICATION
QC MOUNTING & TRIM

“A”

DOUBLED DOOR APPLICATION
QC MOUNTING & TRIM

“B”

MULLION APPLICATION SHOWN

MIN. STILE

STRIKE
INSTALLED WITH
"B"

565
2923 MULLION
1-7/8"
3-3/8"

565
4023 MULLION
2-1/8"
3-5/8"

570
2923 MULLION
2-3/16"
3-3/4"

570
4023 MULLION
2-7/16"
4"

579
2923 MULLION
1-9/16"
3-1/4"

579
4023 MULLION
1-13/16"
3-1/2"

490
2923 MULLION
2-3/16"
3-3/4"

490
4023 MULLION
2-7/16"
4"

4396
4423 MULLION
1-1/8"
2-5/8"

571
17 VERTICAL
2-3/16"
3-3/4"

571-A
17 VERTICAL
1-11/16"
3-1/4"

NOTE: THE 571 & 517-A STRIKES ARE NOT APPROVED FOR FIRE RATED APPLICATIONS

DO NOT SCALE

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Customer Service
1-877-671-7011 www.allegion.com/us

TITLE: (F)17-R-K, (F)17-R-L, (F)17-R-T, (F)17-R-SE RIM DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE

WOOD DOOR


TEMPLATE NUMBER - REV.
W-5120-1

Page 23 of 44
LHR SHOWN; RHR OPPOSITE

1-5/8" BACKSET (3-1/4" MIN. STILE)

NOTE: VERTICAL CL AND MOUNTING AND TRIM CL DIFFER BY 1/4"

FOR APPLICATIONS OVER 8 FT., INSTALL TWO ROD GUIDES EQUALLY SPACED ON TOP ROD.
FOR FIRE RATED LESS BOTTOM ROD (LBR) APPLICATION, REFER TO TEMPLATE T-4310 FOR SPRING BOLT ASSEMBLY PREPARATION AND OMIT BOTTOM ROD PREPARATION.
LESS BOTTOM ROD (LBR) DEVICE CANNOT BE USED IN CONJUNCTION WITH MORTISE OR RIM DEVICES.
FOR OUTSIDE TRIM, SEE TRIM TEMPLATE FOR DOOR PREPARATION.
FOR SEX BOLT PREPARATION, WHEN REQUIRED, SEE TEMPLATE T-4014.
SEE MASTER SHEET #0100 FOR SUGGESTED REINFORCING.
NOTE: VERTICAL "C" AND MOUNTING AND TRIM "C" DIFFER BY 1/4"
**NOTE:** 571 and 571-A STRIKES ARE NOT APPROVED FOR FIRE RATED APPLICATIONS.

**DOUBLE DOOR APPLICATION**

<table>
<thead>
<tr>
<th>STRIKE</th>
<th>INSTALLED WITH</th>
<th>&quot;B&quot;</th>
<th>MIN. STILE</th>
</tr>
</thead>
<tbody>
<tr>
<td>565</td>
<td>2923 MULLION</td>
<td>2-3/4&quot;</td>
<td>4-1/2&quot;</td>
</tr>
<tr>
<td>570</td>
<td>2923 MULLION</td>
<td>3&quot;</td>
<td>4-3/4&quot;</td>
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<tr>
<td>579</td>
<td>2923 MULLION</td>
<td>3-1/4&quot;</td>
<td>5&quot;</td>
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<tr>
<td>579</td>
<td>4023 MULLION</td>
<td>2-3/8&quot;</td>
<td>4-1/8&quot;</td>
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<tr>
<td>579</td>
<td>4023 MULLION</td>
<td>2-5/8&quot;</td>
<td>4-3/8&quot;</td>
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<tr>
<td>570</td>
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<td>3&quot;</td>
<td>4-3/4&quot;</td>
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<td>490</td>
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</tr>
<tr>
<td>490</td>
<td>4023 MULLION</td>
<td>3-1/4&quot;</td>
<td>5&quot;</td>
</tr>
</tbody>
</table>

**SINGLE DOOR APPLICATION**

<table>
<thead>
<tr>
<th>STRIKE</th>
<th>INSTALLED</th>
<th>&quot;A&quot;</th>
<th>MIN. STILE</th>
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</thead>
<tbody>
<tr>
<td>565</td>
<td>SURFACE</td>
<td>2&quot;</td>
<td>4-3/8&quot;</td>
</tr>
<tr>
<td>565</td>
<td>FLUSH</td>
<td>1-1/2&quot;</td>
<td>3-7/8&quot;</td>
</tr>
<tr>
<td>570</td>
<td>SURFACE</td>
<td>2-1/4&quot;</td>
<td>4-5/8&quot;</td>
</tr>
<tr>
<td>579</td>
<td>SURFACE</td>
<td>1-5/8&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>490</td>
<td>SURFACE</td>
<td>2-1/4&quot;</td>
<td>4-5/8&quot;</td>
</tr>
<tr>
<td>F-570</td>
<td>SURFACE</td>
<td>2-1/4&quot;</td>
<td>4-5/8&quot;</td>
</tr>
<tr>
<td>F-490</td>
<td>SURFACE</td>
<td>2-1/4&quot;</td>
<td>4-5/8&quot;</td>
</tr>
</tbody>
</table>

**FOR OUTSIDE TRIM PREPARATION, SEE TRIM TEMPLATE FOR DOOR PREPARATION.**

**FOR SEX BOLT PREPARATION, WHEN REQUIRED, SEE TEMPLATE T-4014.**

**SEE MASTER SHEET #0100 FOR SUGGESTED REINFORCING.**

**DO NOT SCALE**

---

**DATE:** 08-01-2002

**EFFECTIVE FOR PRODUCT SHIPPED AFTER**

- 09/01/2002
- PRIOR TO THIS DATE USE EXISTING TEMPLATES

---

**TEMPLATE NUMBER - REV.**

T-5208-9

---

**FALCON**

Customer Service
1-877-671-7011 www.allegion.com/us

**TITLE:** (F)-18-R-KE, (F)-18-R-LE, (F)-18-R-T, (F)-18-R-SE

**RIM DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE**
LHR SHOWN
RHR OPPOSITE

1-3/8" DIA. THRU
4-1/8" x 1-3/4" CUTOUT
1-1/2" DEEP
DEVICE SIDE OF DOOR

DEVICE REF. C

40-1/4" FROM FINISHED FLOOR TO DEVICE REF. C

VERTICAL C

1-3/4"

7/8"

2-1/16"

15/16"

2"

4-1/8"

3-7/8"

7-3/4"

TO EDGE OF CUTOUT
CUTOUT WIDTH

SINGLE DOOR APPLICATION

1/8"

"A"

PANEL VERTICAL

DOUBLE DOOR APPLICATION

VERTICAL C

1/4"

"B"

"B"

MULLION APPLICATION SHOWN

STRIKE| INSTALLED| "A"| MIN. STILE
---|---|---|---
565 SURFACE| 2"| 4-3/8"
565 FLUSH| 1-1/2"| 3-7/8"
570 SURFACE| 2-1/4"| 4-5/8"
579 SURFACE| 1-5/8"| 4"
490 SURFACE| 2-1/4"| 4-5/8"
F-570 SURFACE| 2-1/4"| 4-5/8"
F-490 SURFACE| 2-1/4"| 4-5/8"

STRIKE| INSTALLED WITH| "B"| MIN. STILE
---|---|---|---
565 2923 MULLION| 2-3/4"| 4-1/2"
565 4023 MULLION| 3"| 4-3/4"
570 2923 MULLION| 3"| 4-3/4"
570 4023 MULLION| 3-1/4"| 5"
579 2923 MULLION| 2-3/8"| 4-1/8"
579 4023 MULLION| 2-5/8"| 4-3/8"
490 2923 MULLION| 3"| 4-3/4"
490 4023 MULLION| 3-1/4"| 5"
F-570 F-4023 MULLION| 3-1/4"| 5"
F-490 F-4023 MULLION| 3-1/4"| 5"
571 18/XX VERTICAL| 2-7/8"| 4-5/8"
571-A 18/XX VERTICAL| 2-3/8"| 4-1/8"

NOTE: 571 AND 571-A STRIKES ARE NOT APPROVED FOR FIRE RATED APPLICATIONS.

DO NOT SCALE

FALCON®

Customer Service
1-877-671-7011 www.allegion.com/us

DATE: 08-01-2002

TEMPLATE NUMBER - REV. W-5208-2
LHR SHOWN
RHR OPPOSITE

SEE TEMPLATE T-4012 FOR MORTISE LOCK PREPARATION

FOR DOORS WITH EXISTING MORTISE LOCK PREPARATION, THE DEVICE REF C IS 5/16" ABOVE THE LOCKFRONT C

SEE MASTER SHEET #0100 FOR SUGGESTED REINFORCING

FOR SEXBOLT PREPARATION, WHEN REQUIRED, REFER TO TEMPLATE T-4014

FOR OUTSIDE TRIM PREPARATION, SEE ADDITIONAL TRIM TEMPLATE FOR DOOR PREPARATION

DO NOT SCALE

FALCON
Customer Service
1-877-671-7011 www.allegion.com/us

TITLE: (F)18-M-KE, (F)18-M-LE,
(F)18-M-T, (F)18-M-SE MORTISE DEVICES
WITH FSA OR FSE ELECTRIC LOCKING
FEATURE

DATE: 1-1-2001
TEMPLATE NUMBER - REV.
T-5210-3

Page 28 of 44
* SEE TEMPLATE W-4012 FOR MORTISE LOCK PREPARATION

* FOR DOORS WITH EXISTING MORTISE LOCK PREPARATION, THE DEVICE REF C IS 5/16" ABOVE THE LOCKFRONT C

* FOR OUTSIDE TRIM PREPARATION, SEE ADDITIONAL TRIM TEMPLATE FOR DOOR PREPARATION

- FOR DEVICE WITH THRUBOLTING TRIM, REFER TO TRIM TEMPLATE FOR DOOR PREPARATION
- FOR DEVICE WITH NON-THRUBOLTING TRIM: DRILL 9/64" DIA. HOLE x 1-1/4" DEEP OR REFER TO TEMPLATE W-4014 FOR SEXBOLTS (4 HOLES)

FIRE RATED DEVICES REQUIRE SEXBOLTS

---

FALCON

Customer Service
1-877-671-7011 www.allegion.com/us

TITLE: (F)18-M-KE, (F)18-M-LE, (F)18-M-T, (F)18-M-SE MORTISE DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE WOOD DOOR

DATE: 1-1-2001

TEMPLATE NUMBER - REV. W-5210-2
LHR SHOWN: RHR OPPOSITE

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<tr>
<td>(USING 571-A STRIKE)</td>
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NOTE: 571 AND 571-A STRIKES ARE NOT APPROVED FOR FIRE RATED APPLICATIONS.

- **DRILL 9/64" DIA. HOLE OR DRILL AND TAP FOR #10-24 SCREW (8 PLACES)**
- **MACHINE SCREWS MUST BE USED FOR FIRE RATED APPLICATIONS**

**EFFECTIVE FOR PRODUCT SHIPPED AFTER 09/01/2002**
**PRIOR TO THIS DATE USE EXISTING TEMPLATES**

- **FOR THRU-BOLTING TRIM, SEE TRIM TEMPLATE FOR DOOR PREPARATION**
- **FOR NON-THRU-BOLTING TRIM, DRILL 9/64" DIA. HOLE OR DRILL AND TAP FOR #10-24 SCREW (4 PLACES)**
- **MACHINE SCREWS MUST BE USED FOR FIRE RATED APPLICATIONS**

- **FOR APPLICATIONS OVER 8 FT., INSTALL TWO ROD GUIDES EQUALLY SPACED ON TOP ROD.**
- **FOR FIRE RATED LESS BOTTOM ROD (LBR) APPLICATION, REFER TO TEMPLATE T-4310 FOR SPRING BOLT ASSEMBLY PREPARATION AND Omit BOTTOM ROD PREPARATION.**
- **LESS BOTTOM ROD (LBR) DEVICE CANNOT BE Used IN CONJUNCTION WITH MORTISE OR RIM DEVICES.**
- **FOR OUTSIDE TRIM, SEE TRIM TEMPLATE FOR DOOR PREPARATION.**
- **FOR STEX BOLT PREPARATION, WHEN REQUIRED, SEE TEMPLATE T-4014.**
- **SEE MASTER SHEET #0100 FOR SUGGESTED REINFORCING.**

**DO NOT SCALE**

Title: (F-)18-V-KE, (F-)18-V-LE, (F-)18-V-T, (F-)18-V-SE
Surface Vertical Rod Devices with FSA or FSE Electric Locking Feature

Customer Service
1-877-671-7011 www.allegion.com/us

Date: 08-01-2002
Template Number - Rev. T-5216-4
LHR SHOWN
RHR OPPOSITE

DATE: 08-01-2002

DO NOT SCALE

EFFECTIVE FOR PRODUCT SHIPPED AFTER
09/01/2002

PRIOR TO THIS DATE USE EXISTING TEMPLATES

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<td>3-1/2&quot; MIN. STILE</td>
</tr>
<tr>
<td>VERTICAL ROD x MORTISE DEVICE</td>
<td>2-3/4&quot; OF STILE</td>
</tr>
<tr>
<td>VERTICAL ROD x RIM DEVICE (USING 571 STRIKE)</td>
<td>2-3/4&quot;</td>
</tr>
<tr>
<td>VERTICAL ROD x RIM DEVICE (USING 571-A STRIKE)</td>
<td>2-1/4&quot;</td>
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</tbody>
</table>

NOTE: 571 AND 571-A STRIKES ARE NOT APPROVED FOR FIRE RATED APPLICATIONS.

- FOR DEVICE WITH THRU-BOLTING TRIM, REFER TO TRIM TEMPLATE FOR DOOR PREPARATION
- FOR DEVICE WITH NON-THRU-BOLTING TRIM, DRILL 9/64" DIA. HOLE x 1-1/4" DEEP OR REFER TO TEMPLATE W-4014 FOR SEX BOLTS (4 PLACES)
- SEX BOLTS MUST BE USED FOR FIRE RATED APPLICATIONS

- FOR LESS BOTTOM ROD (LBR) APPLICATION (20 MINUTE RATING), REFER TO TEMPLATE W-4310 FOR SPRING BOLT ASSEMBLY PREPARATION AND OMIT BOTTOM ROD PREPARATION.
- LESS BOTTOM ROD (LBR) DEVICE CANNOT BE USED IN CONJUNCTION WITH MORTISE OR RIM DEVICES.
- FOR OUTSIDE TRIM PREPARATION, SEE TRIM TEMPLATE FOR DOOR PREPARATION.
- PREPARE TOP AND BOTTOM LATCHES/BOLTS AT TIME OF DEVICE INSTALLATION.
- FOR SEX BOLT PREPARATION, WHEN REQUIRED, SEE TEMPLATE W-4014.

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Page 31 of 44
DO NOT SCALE
THRUBOLTING TRIM

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TITLE: APOLLO TRIM - T
FUNCTIONS FOR (F)18 & (F)XX SERIES
DEVICES WITH FSA OR FSE ELECTRIC
LOCKING FEATURE


TEMPLATE NUMBER - REV.
T-5351-2
Title: "KE" "R" and "SR" Trims for Falcon Electric

For Backset, see device template

Device "A" "B"

(F)XX-K-KE x FSA OR FSE 1-13/16" 3-3/16"
(F)XX-R-LE x FSA OR FSE 1-13/16" 1-1/4"
(F)XX-V-LE x FSA OR FSE 1-13/16" 1-1/4"
(F)XX-M-LE x FSA OR FSE 1-13/16" 1-1/4"
(F)XX-M-SE x FSA OR FSE 1-13/16" 1-1/4"
(F)18-R-LE x FSA OR FSE 1-13/16" 3-3/16"
(F)18-M-LE x FSA OR FSE 1-13/16" 3-3/16"
(F)18-M-SE x FSA OR FSE 1-13/16" 3-3/16"
(F)18-KE x FSA OR FSE 1-13/16" 1-1/4"
(F)18-V-LE x FSA OR FSE 1-13/16" 1-1/4"
(F)18-V-SE x FSA OR FSE 1-13/16" 1-1/4"

1-1/4" Dia. Thru, omited if Authorized Access is not required

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www.allegion.com/us
"KE", "LE" AND "SE" TRIMS FOR (F)18 & (F)XX SERIES DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE WOOD DOOR

FALCON

Title: "KE", "LE" AND "SE" TRIMS FOR (F)18 & (F)XX SERIES DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE WOOD DOOR


DO NOT SCALE THROUBOLTNG TRIM

DEVICE

"A"  "B"

"A"  "B"

"A"  "B"

"A"  "B"

"A"  "B"

"A"  "B"

"A"  "B"

"A"  "B"

"A"  "B"

"A"  "B"

TITLE: "KE", "LE" AND "SE" TRIMS FOR (F)18 & (F)XX SERIES DEVICES WITH FSA OR FSE ELECTRIC LOCKING FEATURE WOOD DOOR

DATE: 1-1-2001

TEMPLATE NUMBER - REV. W-5365-2

Page 37 of 44
### Electrification Feature

<table>
<thead>
<tr>
<th>Feature</th>
<th>&quot;A&quot;</th>
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<tbody>
<tr>
<td>Electric Latch Retraction (ELR)</td>
<td>1/2</td>
</tr>
<tr>
<td>Delayed Egress (DE - 18 Series Only)</td>
<td>3/4</td>
</tr>
<tr>
<td>Security Monitoring (AE, DM, LK, LM, SM)</td>
<td>1/2</td>
</tr>
<tr>
<td>Electric Lock/Unlock Trim (FSA/FSE)</td>
<td>1/2</td>
</tr>
<tr>
<td>Hard Wire Exit Alarm (HWEA)</td>
<td>1/2</td>
</tr>
<tr>
<td>Electric Dogging (ED)</td>
<td>1/2</td>
</tr>
</tbody>
</table>

**Clear Channel Access Required for Wire Connection**

**"A" Dia. (To Be Prepared at Time of Device Installation)**

**CONDUCTING HINGE OR APPROVED POWER TRANSFER - SUPPLIED BY OTHERS**

**NOTE: FOR DELAYED EGRESS DEVICES, TRANSFER MUST BE U.L. APPROVED**

**See Device Installation Direction**

**Reinforcement Recommended for Device Mounting**

**Drill & Tap for 1/4"-20 Screw or Drill 3/8" Dia. Hole Thru for Sexbolt (To Be Prepared at Time of Device Installation)**

**For Height from Finished Floor, See Device Template**

**Reinforcement Recommended for Device Mounting**

**Electrification Feature**

- Electric Latch Retraction (ELR)
- Delayed Egress (DE - 18 Series Only)
- Electric Lock/Unlock Trim (FSA/FSE)
- Hard Wire Exit Alarm (HWEA)
- Electric Dogging (ED)

**DO NOT SCALE**

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**FALCON**

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**Title:** Hinge Stile Preparation for Electrified Devices for (F)17, (F)18, and (F)19 Series Devices

**Date:** 1-15-2000

**Template Number - Rev.** T-5020-4
LHR SHOWN  
RHR OPPOSITE  
- 6" FOR FLUSH DOORS  
- 1" LESS THAN STILE FOR STILED DOORS

HOLE TO BE CAPPED AFTER PROVIDING RUN FROM POWER TRANSFER TO 1" DIA. HOLE

CLEAR CHANNEL ACCESS REQUIRED FOR WIRE CONNECTION

"A" DIA. (TO BE PREPARED AT TIME OF DEVICE INSTALLATION)

DRILL 3/8" DIA. HOLE THRU FOR SEXBOLT (TO BE PREPARED AT TIME OF DEVICE INSTALLATION)

FOR HEIGHT FROM FINISHED FLOOR, SEE DEVICE TEMPLATE

SEE DEVICE INSTALLATION DIRECTION

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<tr>
<td>SECURITY MONITORING (AE, DM, LK, LM, SM)</td>
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<tr>
<td>ELECTRIC LOCK/UNLOCK TRIM (FSA/FSE)</td>
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</tr>
<tr>
<td>HARD WIRE EXIT ALARM (HWEA)</td>
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DO NOT SCALE