### INSTALLATION INSTRUCTIONS

1. PREPARE INSIDE FACE OF DOOR FOR DEVICE.
   - A. See device directions for locations of vert. and device ref. centerlines.

2. PREPARE OUTSIDE FACE OF DOOR FOR TRIM.
   - A. Transfer vert. and device ref. centerlines from inside face to outside face of door. Be sure vert. centerline is parallel to edge of door.
   - B. Locate and prepare all holes as indicated.

3. INSTALL CYLINDER (IF REQUIRED).
   - A. If using mortise cylinder, install cylinder into mortise lock.
   - B. If using rim cylinder, install cylinder using cylinder rose. Then cut tailpiece to extend 3/8" beyond inside face of door.

4. INSTALL TRIM ON DOOR.
   - **TOP OF PULL:** 1/4"-20X2" FPHMS
   - **BOTTOM OF PULL:** 1/4"-20X2-1/4" FPHMS FINISH WASHER

5. INSTALL DEVICE ON DOOR PER DEVICE INSTRUCTIONS.

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### Device Specifications

<table>
<thead>
<tr>
<th>Device</th>
<th>&quot;A&quot;</th>
<th>&quot;B&quot;</th>
<th>&quot;C&quot;</th>
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</thead>
<tbody>
<tr>
<td>(F)XX-R-DT</td>
<td>OMIT</td>
<td>OMIT</td>
<td>4-3/16</td>
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<td>(F)XX-R-NL</td>
<td>OMIT</td>
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<td>(F)XX-M-DT</td>
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<td>OMIT</td>
<td>OMIT</td>
<td>31/32</td>
</tr>
</tbody>
</table>

### Installation Notes

- **C'sk to 1/2" Dia.**
- For 1/4"-20 FPHMS
- For height from finished floor, refer to device template
- For Device Backset, refer to device template
- Device instructions.
INFORMATION INSTRUCTIONS
1. PREPARE INSIDE FACE OF DOOR FOR DEVICE.
   A. SEE DEVICE DIRECTIONS FOR LOCATIONS OF VERT. AND DEVICE REF. CENTERLINES.
2. PREPARE OUTSIDE FACE OF DOOR FOR TRIM.
   A. TRANSFER VERT. AND DEVICE REF. CENTERLINES FROM INSIDE FACETO OUTSIDE FACE OF DOOR. BE SURE VERT. CENTERLINE IS PARALLEL TO EDGE OF DOOR.
   B. LOCATE AND PREPARE ALL HOLES AS INDICATED.
3. INSTALL CYLINDER (IF REQUIRED).
   A. IF USING MORTISE CYLINDER, INSTALL CYLINDER INTO MORTISE LOCK.
   B. IF USING RIM CYLINDER, INSTALL CYLINDER USING CYLINDER ROSE. THEN CUT TAILPIECE TO EXTEND 3/8" BEYOND INSIDE FACE OF DOOR.
4. INSTALL TRIM ON DOOR AND CUT THUMBPIECE TO SIZE.
   A. TRIM MOUNTING.
      ♦ TOP OF PULL: 1/4"-20x2" FPHMS
      ♦ BOTTOM OF PULL: 1/4"-20x2-1/4" FPHMS
      FINISH WASHER
   B. CUT THUMBPIECE.
      ♦ RIM & VERTICAL:
      THUMBPIECE TO EXTEND 5/8"-3/4" BEYOND DOOR SKIN.
      ♦ MORTISE:
      THUMBPIECE TO BE INSIDE DOOR SKIN BY 1/4".
5. INSTALL DEVICE ON DOOR PER DEVICE INSTRUCTIONS.

DEVICE | "A" | "B" | DEVICE | "A" | "B"
-------|-----|-----|--------|-----|-----
(F)XX-R-TP | OMIT | 1-1/4" | (F)18-R-TP (BE) | OMIT | OMIT
(F)XX-R-TP (BE) | OMIT | OMIT | (F)18-R-TP (NL) | OMIT | 1-1/4"
(F)XX-R-TP (NL) | 1-1/4" | OMIT | (F)18-M-TP | 1-1/4" | OMIT
(F)XX-M-TP | 1-1/4" | OMIT | (F)18-M-TP (BE) | OMIT | OMIT
(F)XX-M-TP (BE) | OMIT | OMIT | (F)18-M-TP (NL) | 1-1/4" | OMIT
(F)XX-M-TP (NL) | 1-1/4" | OMIT | (F)18-V-TP | 1-1/4" | OMIT
(F)XX-V-TP | 1-1/4" | OMIT | (F)18-V-TP (BE) | OMIT | OMIT
(F)XX-V-TP (BE) | OMIT | OMIT | (F)18-V-TP (NL) | 1-1/4" | OMIT
(F)XX-V-TP (NL) | 1-1/4" | OMIT | (F)18-R-TP | OMIT | 1-1/4"