128-3/4 Pivot Set
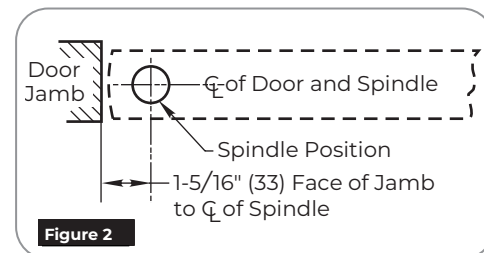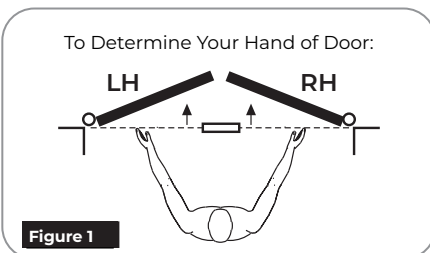## Center Hung
Installation Instructions

NORTON RIXSON

ASSA ABLOY

⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

Ce produit peut vous exposer au plomb qui, dans l'état de la Californie, est reconnu pour causer le cancer, des anomalies congénitales ou d'autres problèmes de reproduction. Pour plus d'informations, visitez: www.P65warnings.ca.gov.

IMPORTANT: It is responsibility of door and frame manufacturers to check hardware schedule and prepare doors and frames. The following instructions cover field prep.

To Determine Your Hand of Door:

LH   RH

Figure 1

Door Jamb

Ç of Door and Spindle

Spindle Position

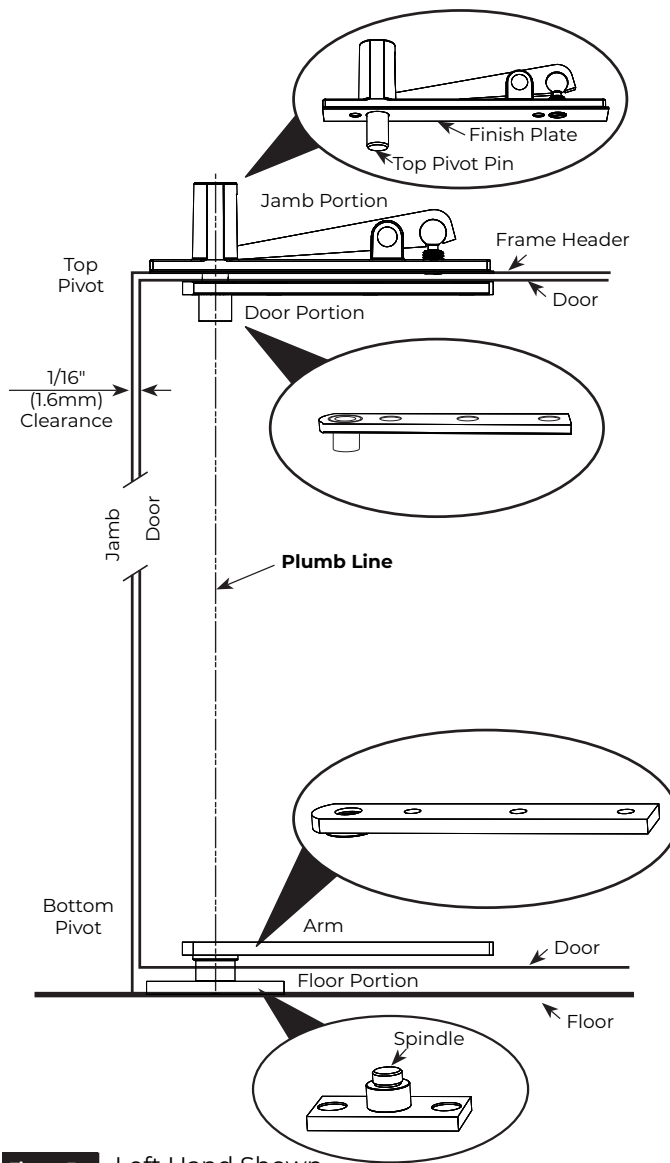1-5/16" (33) Face of Jamb to Ç of Spindle

Figure 2

1. Prepare door and opening.

1. Determine hand of door for proper placement of pivot set. (Figure 1)

2. Confirm pivot side of door frame is both plumb and straight with respect to frame rabbet and frame face surfaces.

3. Mark frame header and door for top pivot. (Figure 2) Using template PS30220, note the requirement for door radius on heel edge of door.

4. Install jamb portion and finish plate of top pivot into frame header using two (2) 1/4-20 X 3/4" FHMS or #14 X 1-1/2" FHWS. Refer to template PS30220. (Figure 3)

5. Using Norton Rixson alignment tool 2604, secure plumb line to jamb portion top pivot pin. (Figure 3)

6. Using plumb line, locate bottom pivot floor portion spindle centerline. With bottom pivot floor portion as a template, mark location of mounting holes. (Figure 3)

   NOTE: Confirm floor portion placement using template PS30220 with respect to frame rabbet and frame face. If not accurate, frame may not meet straight and plumb requirements of step 2 above.

7. Radius heel edge of door for 1/16" (1.6mm) minimum clearance through entire opening per template PS30220.

   NOTE: Maximum radius is determined by pivot point. Radius = pivot point to frame dimension less 1/16" (1.6mm). Template shows 1-1/4" (31.8mm) radius.

8. Mortise and prepare holes in top of door for top pivot door portion and in bottom of door for bottom pivot door portion.

   NOTE: Mortise depth in bottom of door must be coordinated with required clearance between door bottom and floor. 5/16" (7.9mm) Min. Clearance = 11/16" (17.5mm) Mortise depth. 11/16" (17.5mm) Max. Clearance = 1/4" (6.4mm) Mortise depth

Finish Plate

Top Pivot Pin

Jamb Portion

Frame Header

Top Pivot

Door

Door Portion

1/16" (1.6mm) Clearance

Jamb

Door

Plumb Line

Bottom Pivot

Arm

Door

Floor Portion

Floor

Spindle

Figure 3 Left Hand Shown

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2. Install pivot set.

1. Install floor portion of bottom pivot securely to floor using two (2) 1/4-20 x 3/4" FHMS or #14 x 1-1/2" FHWS and provided lead expansion shields. (Figure 6)

   NOTE:
   – Care must be taken that bottom pivot is level.
   – Center of top pivot pin must align with bottom pivot floor portion spindle. If door and frame is pre-prepped, follow steps 5 and 6 of "Prepare door and opening" to confirm this alignment requirement.

2. Install door portion of top pivot in door using three (3) 1/4-20 x 3/4" FHMS or #14 x 1-1/2" FHWS. (Figure 4) Refer to template PS30220.

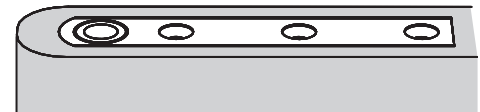3. Install door arm in bottom of door using three (3) 1/4-20 x 3/4" FHMS or #14 x 1-1/2" FHWS. (Figure 5)
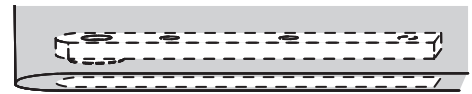
Figure 4

Figure 5

Bottom Pivot
Floor Portion Spindle
Lead Expansion
Shield (2 Places)

Figure 6

3. Hang door.

⚠️ **Caution: Know weight of door before attempting to install. Determine proper equipment needed to prevent door from falling. (Figure 7)**

1. Set door on floor pivot spindle and tilt top of door pivot portion into top jamb portion. (Figure 7)

2. Engage top pivot pin by turning pin retracting screw clockwise. (Figure 8)

To remove door:

⚠️ **Caution: Know weight of door before attempting removal from frame. Determine proper equipment needed to prevent door from falling. (Figure 7)**

1. Open door enough to gain access to pin retracting screw.

2. Secure door so it will not fall from opening during following steps.

3. Turn top pivot pin retracting screw counter clockwise to disengage top pivot pin.

4. With door securely held, carefully allow door to rotate on bottom pivot toward closed position.

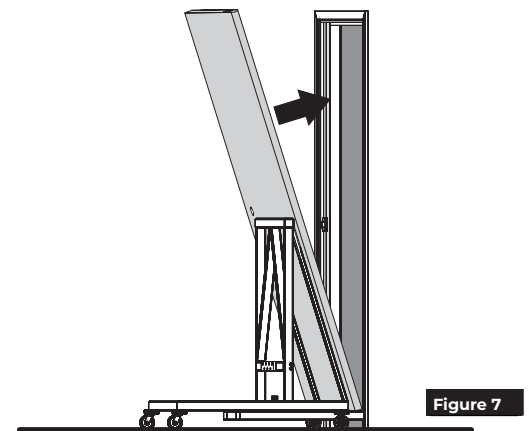5. Leaning door at header to allow top of door to clear frame rabbet, lift door to clear bottom pivot spindle.
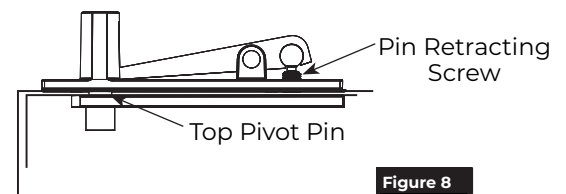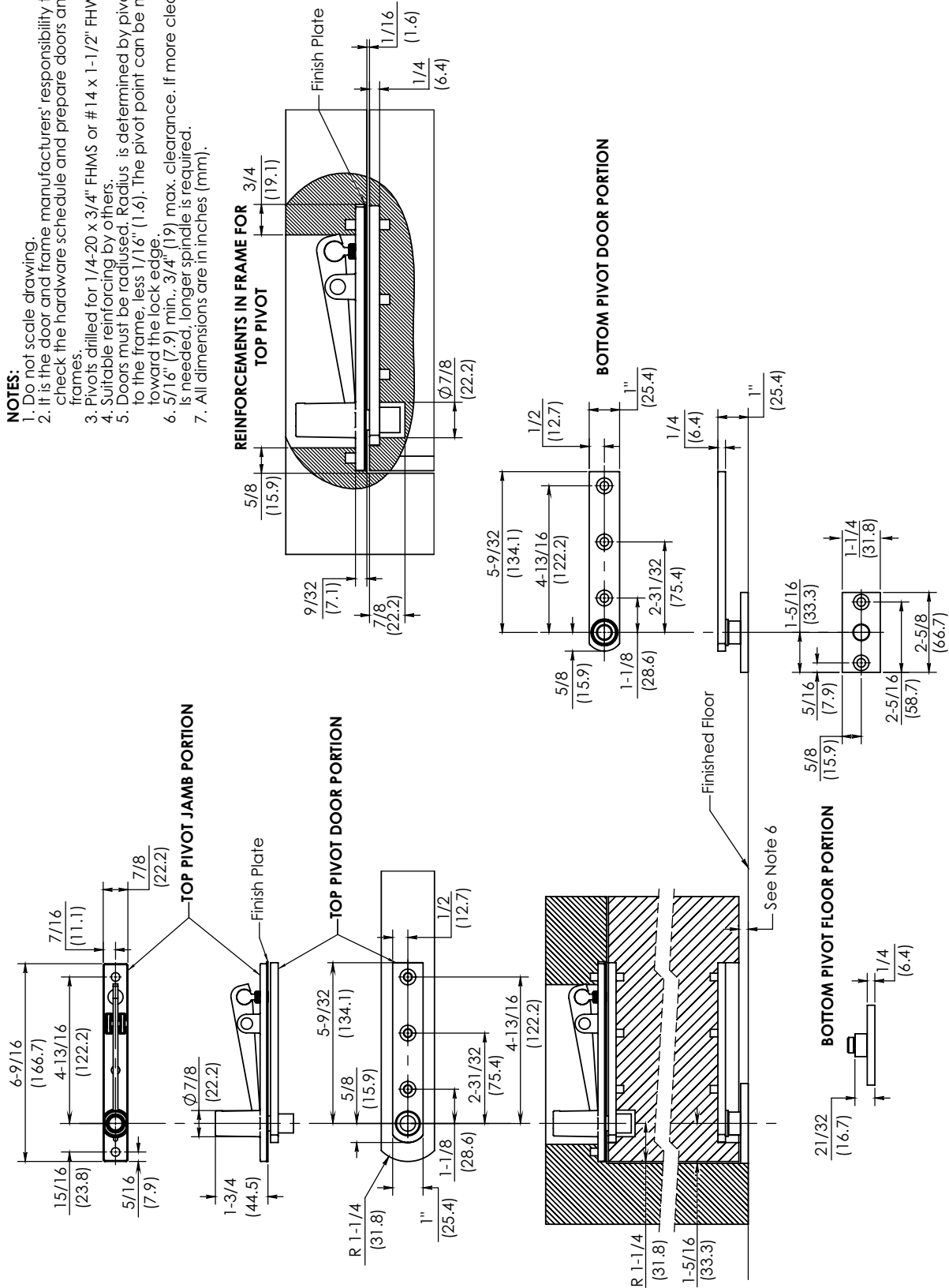
Figure 7

Pin Retracting
Screw

Top Pivot Pin

Figure 8

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128-3/4 Pivot Set
Template PS30220

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NOTES:
1. Do not scale drawing.
2. It is the door and frame manufacturers' responsibility to check the hardware schedule and prepare doors and frames.
3. Pivots drilled for 1/4-20 x 3/4" FHMS or #14 x 1-1/2" FHWS.
4. Suitable reinforcing by others.
5. Doors must be radiused. Radius is determined by pivot point to the frame, less 1/16'' (1.6). The pivot point can be moved toward the lock edge.
6. 5/16" (7.9) min., 3/4" (19) max. clearance. If more clearance Is needed, longer spindle is required.
7. All dimensions are in inches (mm).

REINFORCEMENTS IN FRAME FOR TOP PIVOT

Finish Plate

BOTTOM PIVOT DOOR PORTION

TOP PIVOT JAMB PORTION

TOP PIVOT DOOR PORTION

Finish Plate

Finished Floor

See Note 6

BOTTOM PIVOT FLOOR PORTION

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