

1. Door Preparation

- Verify glass thickness before any preparation. PLH900 lock housing can only be installed on glass doors 10mm to 12.7 mm (3/8" to 1/2") thick.
 - Confirm door handing. Ensure mortise lock and housing are configured to match.
 - Ensure glass door cutout matches the glass cut template shown on page 2.
 - If using PLH901 glass strike housing, follow the instructions supplied with it. Otherwise use strike instructions included with lock.
- ⚠ If using PLH901 strike housing, strike position can be adjusted directly – the two housings will remain aligned.
 - ⚠ A gap of minimum 3 mm (1/8") is required between the door lock edge and the door frame or fixed glass panel where the strike housing is attached.
 - ⚠ PLH900 should not be paired with another PLH900 in a double-door application.

2. Pre-assemble the Lock Housing (without covers)

- ⚠ **Please note:** the PLH900DM housing can accommodate all mortise lock functions. Ensure that the included covers match the lock function to be installed.
- Take the two housing halves (#1a and #1b) and lay them on a flat surface with the recesses for gaskets facing up.
 - Place self-adhesive gaskets into the recessed areas of each half as required:
 - > For 10 mm (3/8") glass: stack 2 gaskets on to each housing half.
 - > For 12 mm (1/2") glass: place 1 gasket on to each housing half.
 - Install the spacers #2a and #2b on one housing half #1b only, using available counter-sunk holes as shown. Tighten firmly.
 - > For pre-existing glass cuts – please consult the spacer chart on page 2.
 - > Ensure the threaded hole and the end of the spacer is facing outward as shown. (Figure 1)
 - Loosely assemble both halves together using included hex screws (A) - 2 from either side - as shown (Figure 2). Do not tighten yet.

3. Install & Align Lock Housing

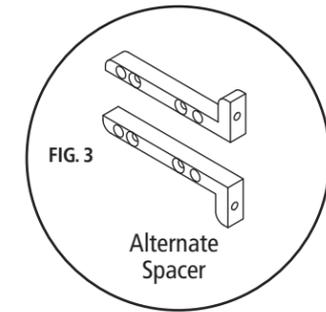
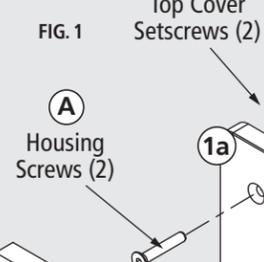
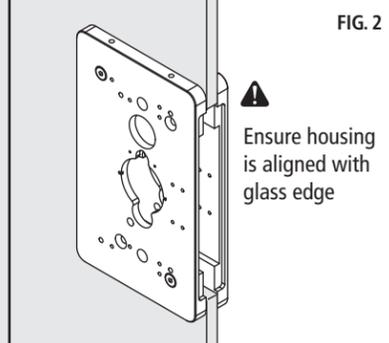
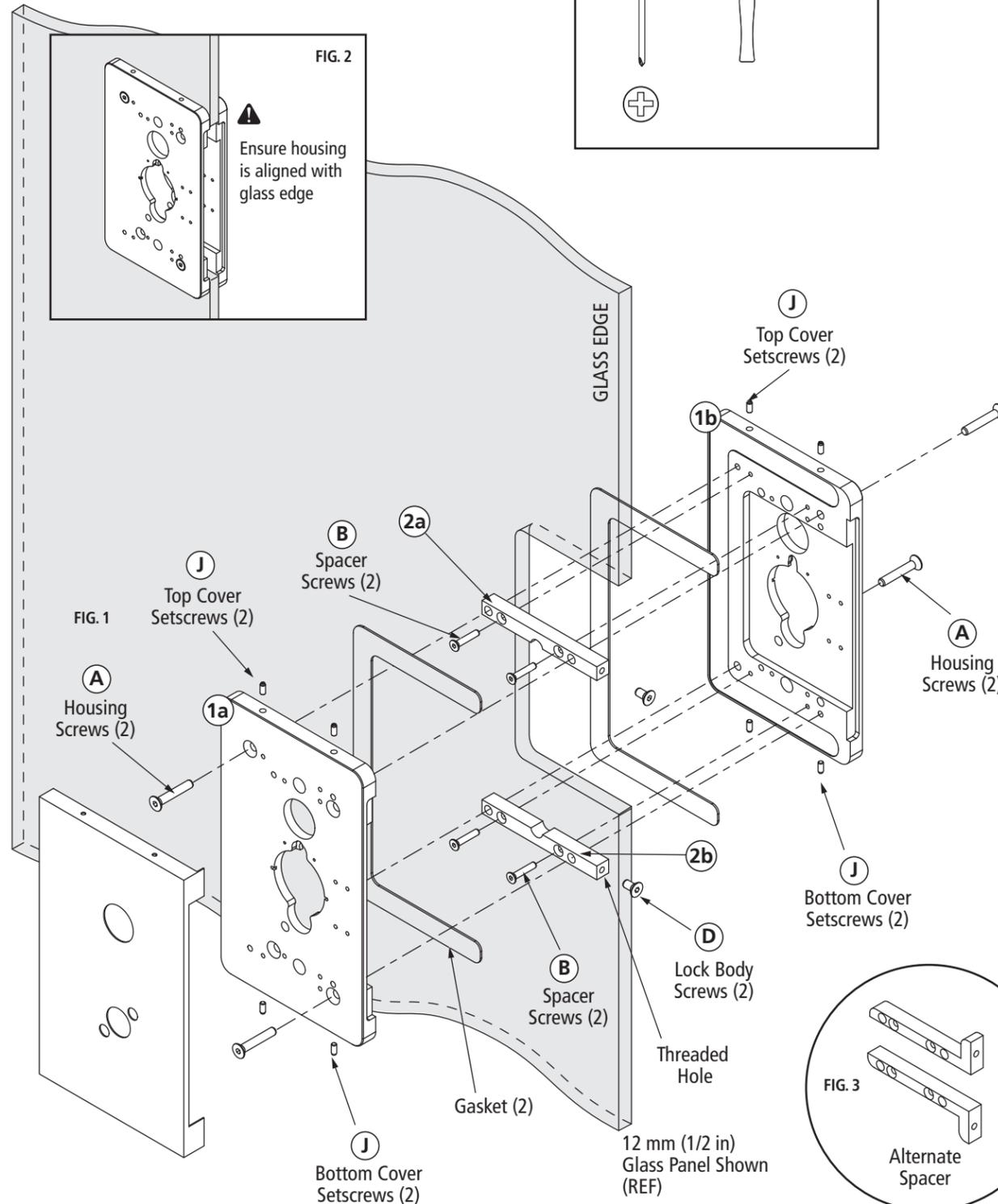
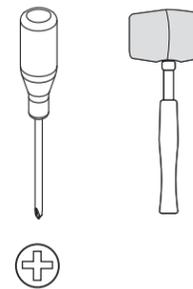
- ⚠ Install PLH900 only after glass door has been hung.
- Orientate the housing to match handing and insert it slowly into the cut out.
 - Push the housing upward until the spacer makes light contact with top of the cut-out. Keeping a slight upward pressure, align the housing's edge with the glass door's edge as shown (Figure 2).
 - Holding housing in place, tighten all 4 housing screws until it holds in place (do not fully tighten).
- ⚠ **Caution:** Before moving to the next step, ensure no metal part is touching the glass surface in and around the cutout.
- Temporarily place a cover on the side that is facing the doorstop.
 - Verify the housing's alignment. If adjustments are needed, loosen the accessible housing screws by a 1/4 turn and lightly tap the housing with a rubber mallet until leveled and aligned as required.
 - Slowly close the door to ensure that the housing does not hit an existing strike or door frame's edge. Adjust with light taps as required.
 - Once aligned, lightly re-tighten the loosened housing screws (A), and remove the cover.

FASTENER CHART

ITEM	QTY	SIZE	LENGTH	DESCRIPTION
A	4	M6X1	40 MM	FLAT HEAD HEXAGON DRIVE
B	4	M5X0.8	25 MM	FLAT HEAD HEXAGON DRIVE
C	-	#12-24	3/8"	FLAT HEAD UNDERCUT PHILLIPS DRIVE
D	2	M5X0.8	10 MM	FLAT HEAD PHILLIPS DRIVE
E	-	M4X0.7	10 MM	PAN HEAD PHILLIPS DRIVE
F	-	M4X0.7	10 MM	FLAT HEAD PHILLIPS DRIVE
G	2	M3X0.5	16 MM	FLAT HEAD PHILLIPS DRIVE (THUMBPIECE)
H	-	M4X0.7	20 MM	FLAT HEAD PHILLIPS DRIVE
J	8	M4X0.7	7 MM	SET SCREW HEXAGON DRIVE (COVER)
K	1	2MM	110 MM	2MM HEX KEY, BALL END
L	1	3MM	60 MM	3MM HEX KEY
M	1	4MM	70 MM	4MM HEX KEY

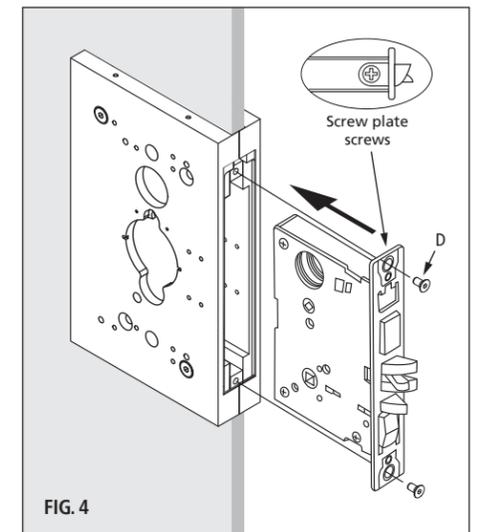
⚠ Cutouts for the PLH900 for tempered glass door panel and/or side-lite must be prepared during the glass panel's manufacturing. Do not attempt to cut or modify an already prepared door or side-lite tempered glass panel – it will likely shatter.

Additional Tools Required :



4. Install Lock Body

- Verify lock handing and ensure the armor plate is straight (not beveled) and firmly fixed. See DM Mortise Lock installation instructions for details.
- Place the lock body into the cavity and fix loosely to spacers #2a and #2b using the included lock body screws (D) as shown (Figure 4).
- Close the door to ensure alignment with existing strike. Adjust housing with light taps from a rubber mallet as required.
- Once aligned: Fully tighten all 4 housing screws (A) from either side of the housing.
- Fully tighten both lock body screws (D).



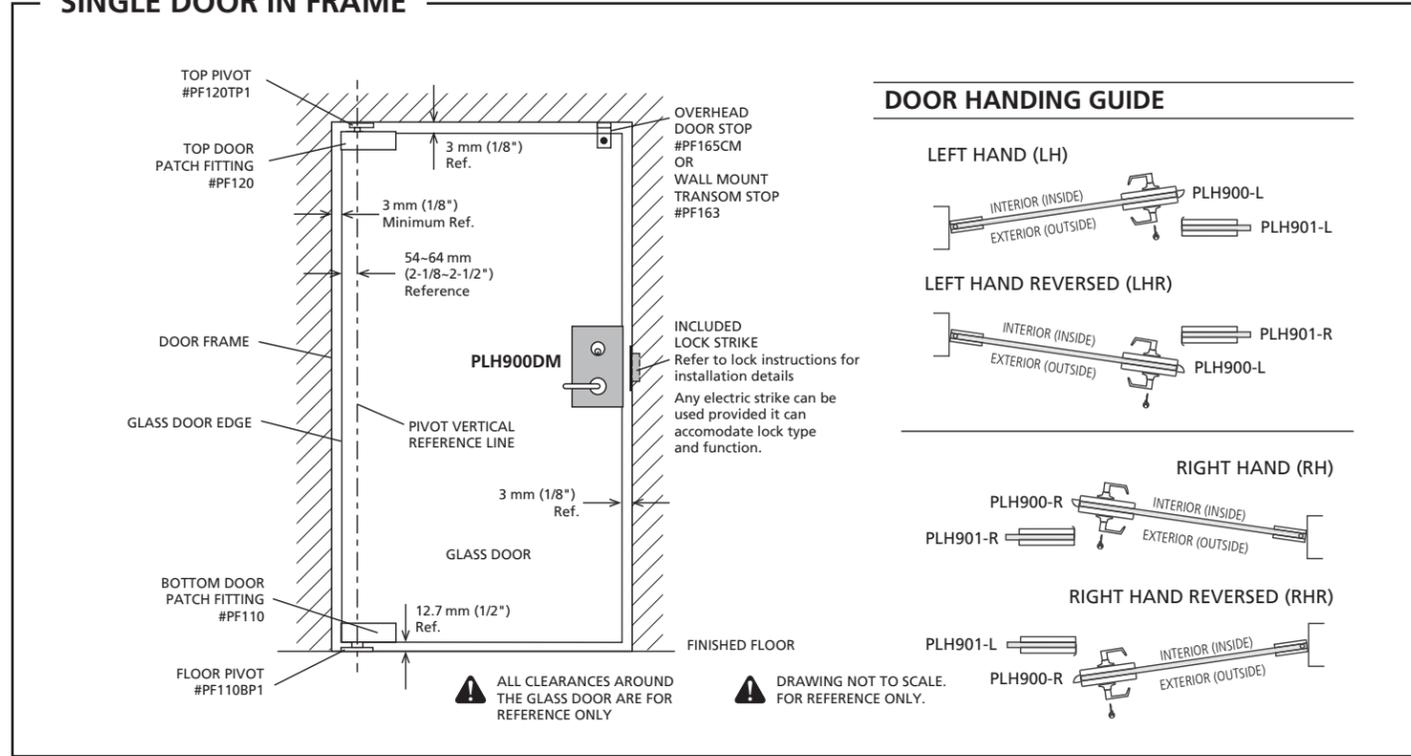
5. Install Housing Covers

- Place cover onto its corresponding housing side and align the top setscrew holes of the cover to the top holes of the housing and hold in place.
- Using the 2mm ball end hex key at an angle, partially unscrew the pre-installed setscrews counterclockwise to hold the cover in place. Then partially unscrew the bottom cover setscrews clockwise to fully secure the cover.
- Adjust setscrews to ensure a tight fit, while not allowing them to protrude.
- Repeat steps for the opposite housing cover.

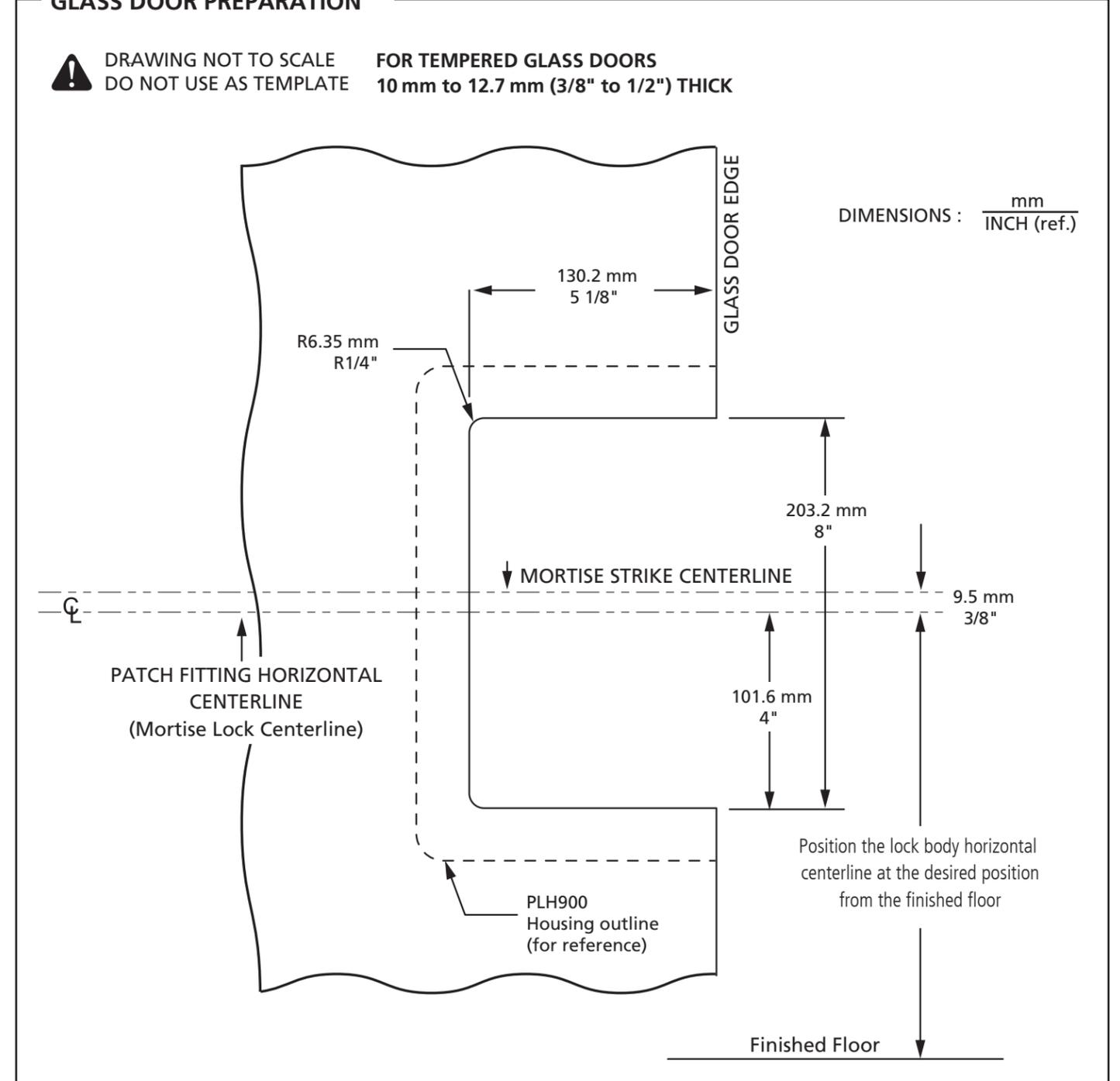
6. Install Lock Trim and Cylinder

- Install the DOREX DM mortise lock trim, levers, and cylinder as instructed in steps F through M in the DM mortise lock installation instructions.

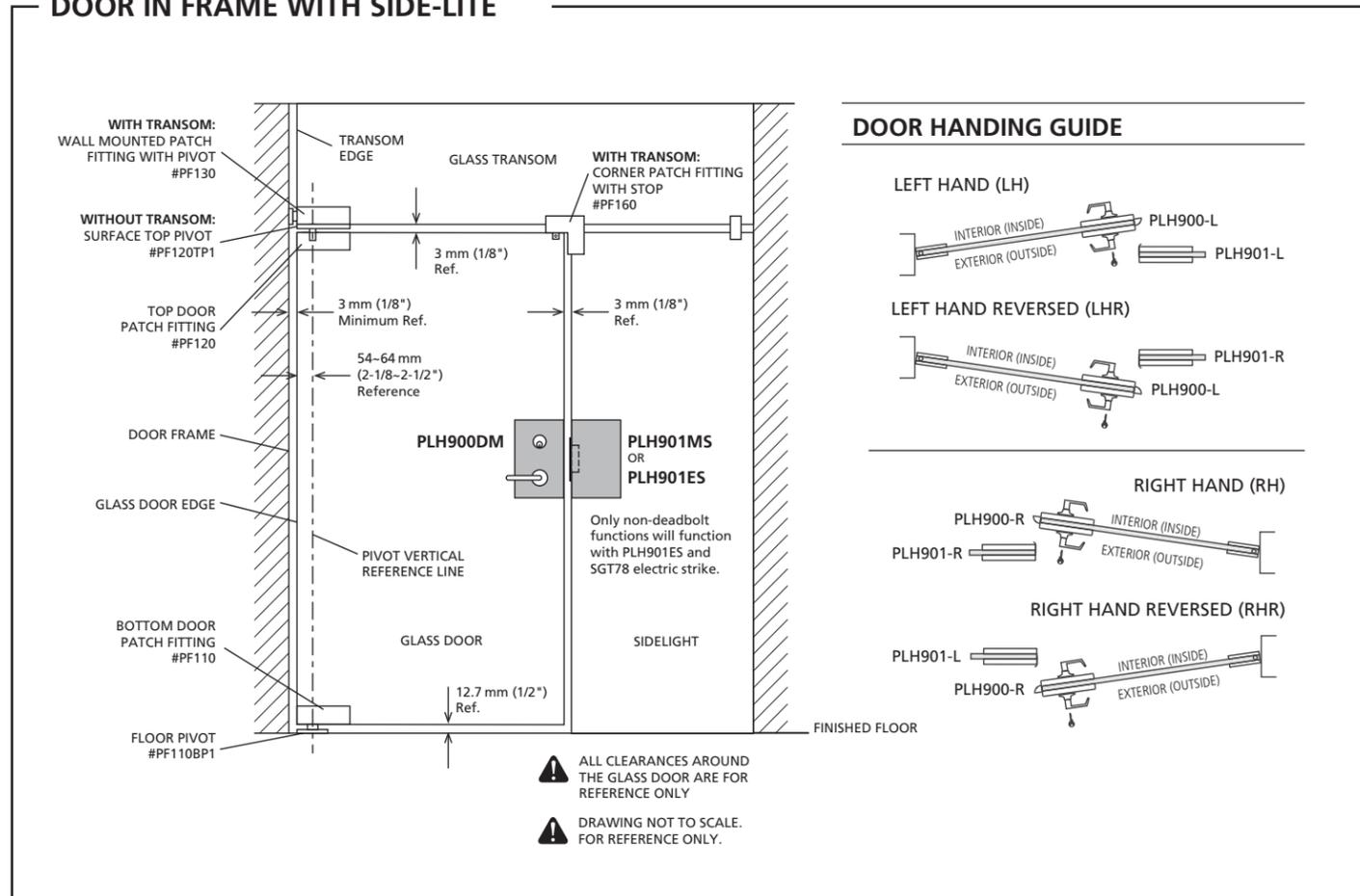
SINGLE DOOR IN FRAME



GLASS DOOR PREPARATION



DOOR IN FRAME WITH SIDE-LITE



SPACER GUIDE FOR EXISTING GLASS CUTS

