

1. Door Preparation

- a. Verify glass thickness before any preparation. PLH900 housing can only be installed on glass doors 10 mm to 12.7 mm (3/8" to 1/2") thick.
- ⚠ b. Confirm door handing. Ensure mortise lock and housing are configured to match.
- c. Ensure glass door cutout matches the glass cut template shown on page 2.
- d. 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 Patch Lock Housing (without covers)

- ⚠ Please note: the PLH900CL housing can accomodate all cylindrical lock functions. Ensure that the included covers match the lock function to be installed.
- a. Take the two housing halves (#1a and #1b) and lay them on a flat surface with the recesses for gaskets facing up.
- b. Place 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.
- c. Install the spacers #2a and #2b on 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)
- d. Install latch brackets #3 on housing half #1a as indicated.
- e. 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 Patch Lock Housing

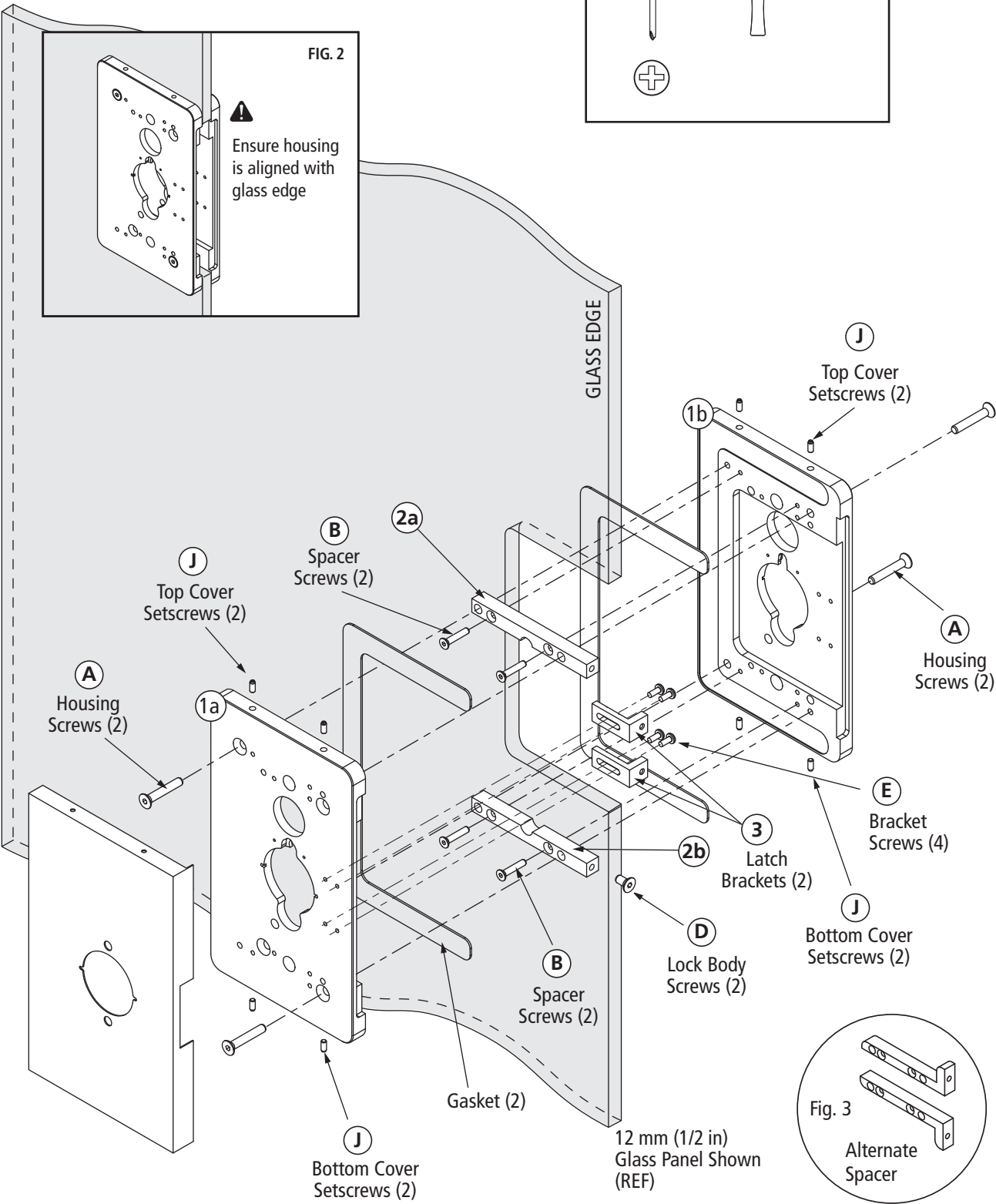
- ⚠ Install PLH900 only after glass door has been hung.
- a. Orientate the housing to match handing and insert it slowly into the cut out.
- b. Push the housing upward until the spacer makes light contact with top of the cut-out. Keeping a slight upward pressure, align the housing's edge with the glass door's edge as shown (Figure 2).
- c. 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.
- d. Temporarily place a cover on the side that is facing the doorstop.
- e. Verify the housing's alignment. If adjustments are needed, loosen the accessible housing screws by a ¼ turn and lightly tap the housing with a rubber mallet until levelled and aligned as required.
- f. 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.
- g. Once aligned, lightly re-tighten the loosened housing screws (A), and remove the cover.

FASTENER CHART

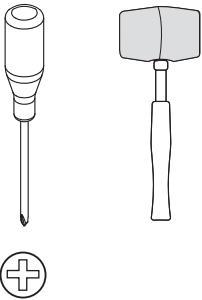
ITEM	QTY	SIZE	LENGTH	DESCRIPTION
A	4	M6X1	40 MM	FLAT HEAD HEXAGON DRIVE
B	4	M5X0.8	25 MM	FLAT HEAD HEXAGON DRIVE
C	2	#12-24	3/8"	FLAT HEAD UNDERCUT PHILLIPS DRIVE
D	–	M5X0.8	10 MM	FLAT HEAD PHILLIPS DRIVE
E	4	M4X0.7	10 MM	PAN HEAD PHILLIPS DRIVE
F	2	M4X0.7	10 MM	FLAT HEAD PHILLIPS DRIVE
G	–	M3X0.5	16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

#GDPF-SCKT

⚠ 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.

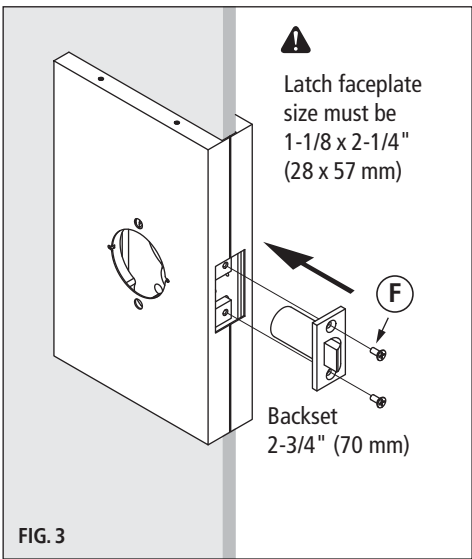


Additional Tools Required :



4. Install Housing Covers

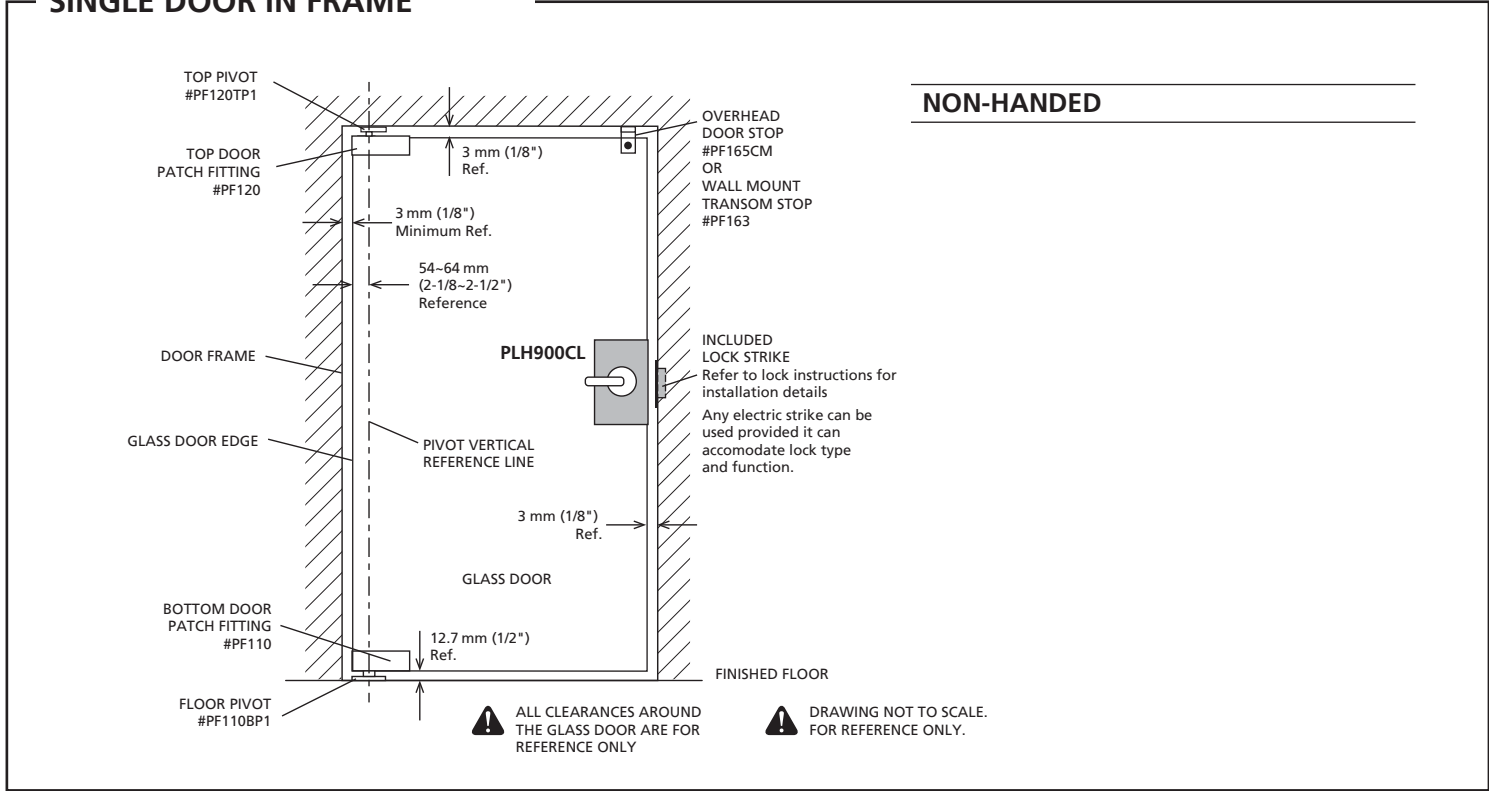
- a. Place cover onto it's corresponding housing side and align the top setscrew holes of the cover to the top holes of the housing and hold in place.
- b. Using the 2mm ball end hex key at an angle, partially unscrew the pre-installed setscrews **counterclockwise** to hold the cover in place. Then partially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



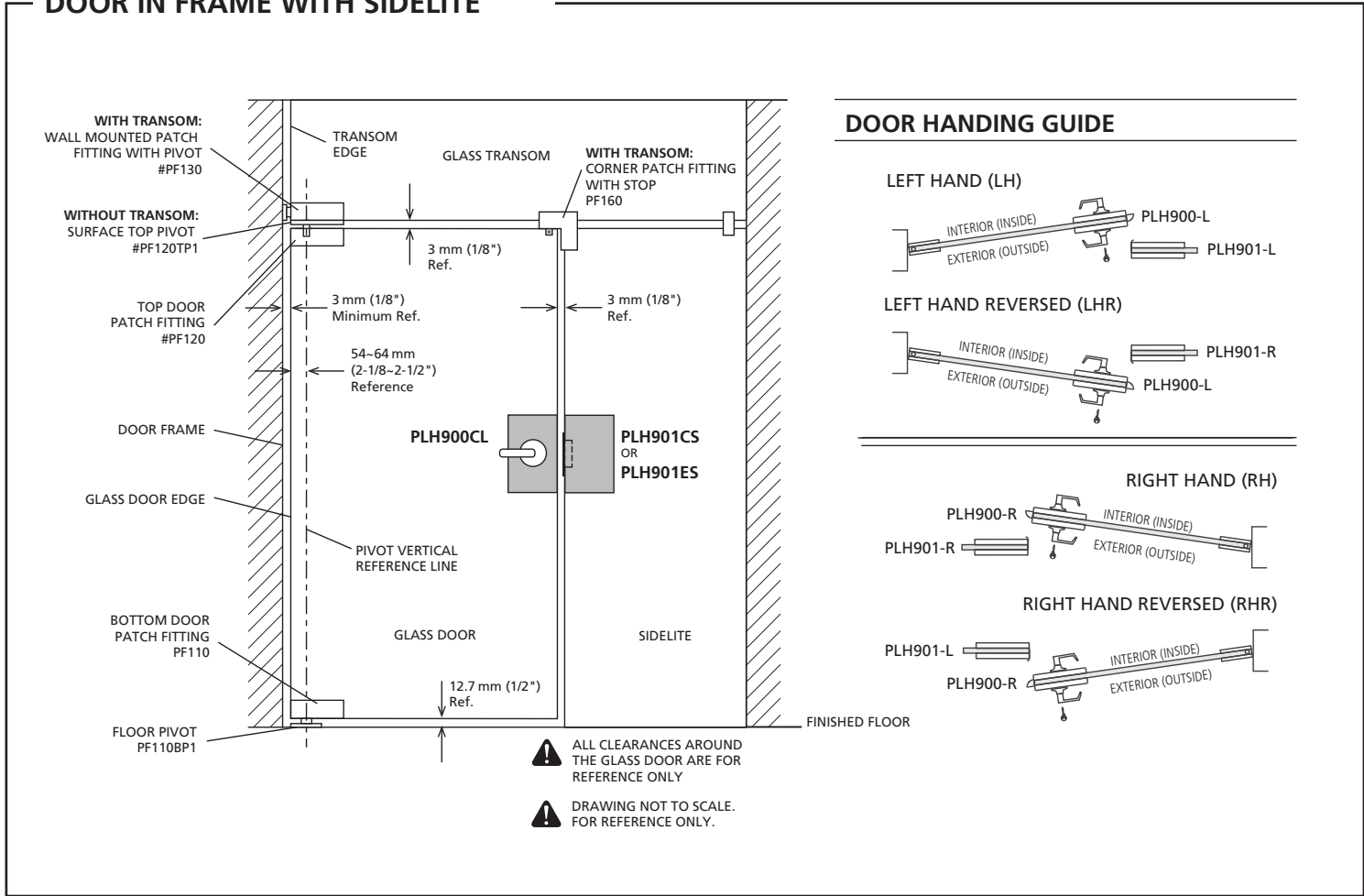
5. Install DOREX Cylindrical Lock Into Housing

- a. Verify lock handing and ensure backset is properly set. If adjustments are required, please refer to the DOREX cylindrical lock instructions for details.
- b. Install the DOREX cylindrical lock as instructed in the cylindrical lock installation instructions.

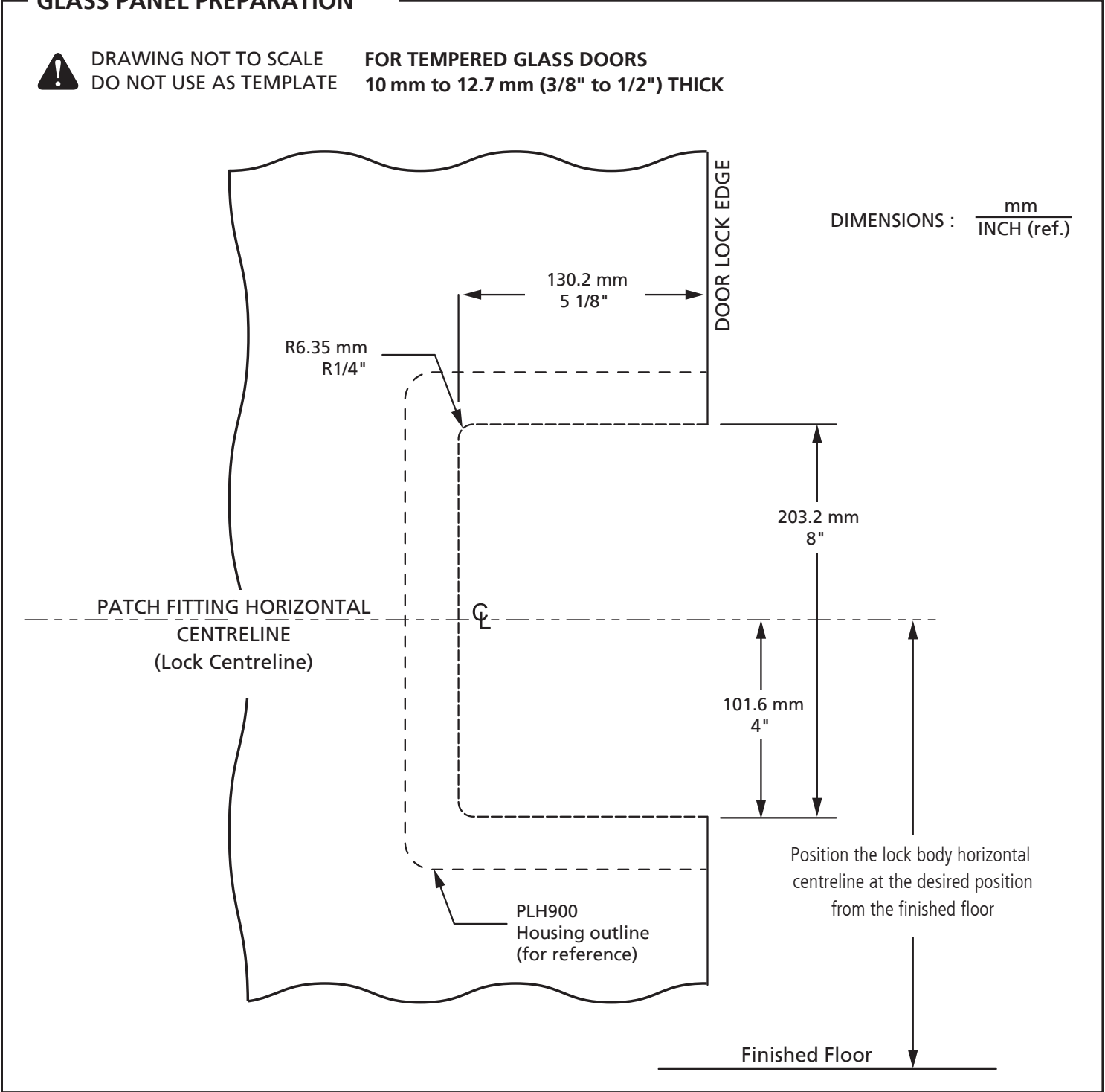
SINGLE DOOR IN FRAME



DOOR IN FRAME WITH SIDELITE



GLASS PANEL PREPARATION



SPACER GUIDE FOR EXISTING GLASS CUTS

