

1. Door Preparation

- a. 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.
- ⚠

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 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.
- 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 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.
- c. 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 – select from the spacer chart on page 2.

> Ensure the threaded hole and the end of the spacer is facing outward as shown. (Figure 1)
- d. 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.
- 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).
- ⚠

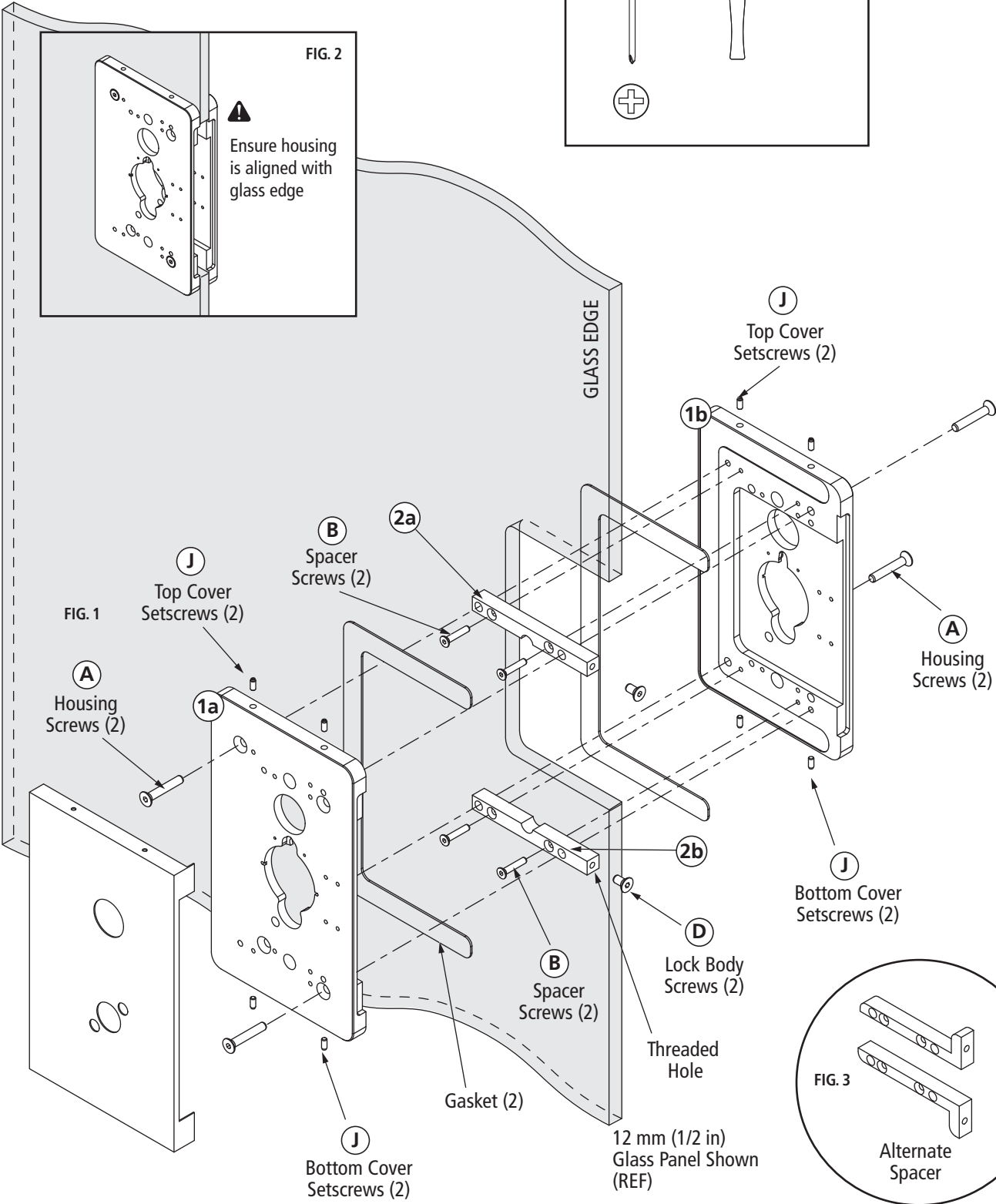
Caution: Before moving to the next step, ensure no metal part is touching the glass surface in and around the cutout.
- d. Temporarily place a cover on the side that is facing the doorstep.
- e. Verify the housing's alignment. If adjustments are needed, loosen the accessible housing screws by a ¼ turn and lightly tap the housing with a rubber mallet until leveled 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

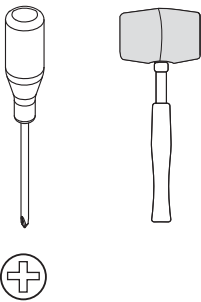
ITEM	QTY	SIZE	LENGTH	DESCRIPTION
A	4	M6X1	40 MM	FLAT HEAD HEXAGON DRIVE
B	4	M5X0.8	25 MM	FLAT HEAD HEXAGON DRIVE
C	–	#12-24	3/8"	FLAT HEAD UNDERCUT PHILLIPS DRIVE
D	2	M5X0.8	10 MM	FLAT HEAD PHILLIPS DRIVE
E	–	M4X0.7	10 MM	PAN HEAD PHILLIPS DRIVE
F	–	M4X0.7	10 MM	FLAT HEAD PHILLIPS DRIVE
G	2	M3X0.5	16 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

- a. Verify lock handing and ensure the armor plate is straight (not beveled) and firmly fixed. See DM Mortise Lock installation instructions for details.
- b. 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).
- c. Close the door to ensure alignment with existing strike. Adjust housing with light taps from a rubber mallet as required.
- ⚠

d. Once aligned: Fully tighten **all 4 housing screws (A)** from either side of the housing.
- e. Fully tighten both lock body screws (D).

FIG. 4

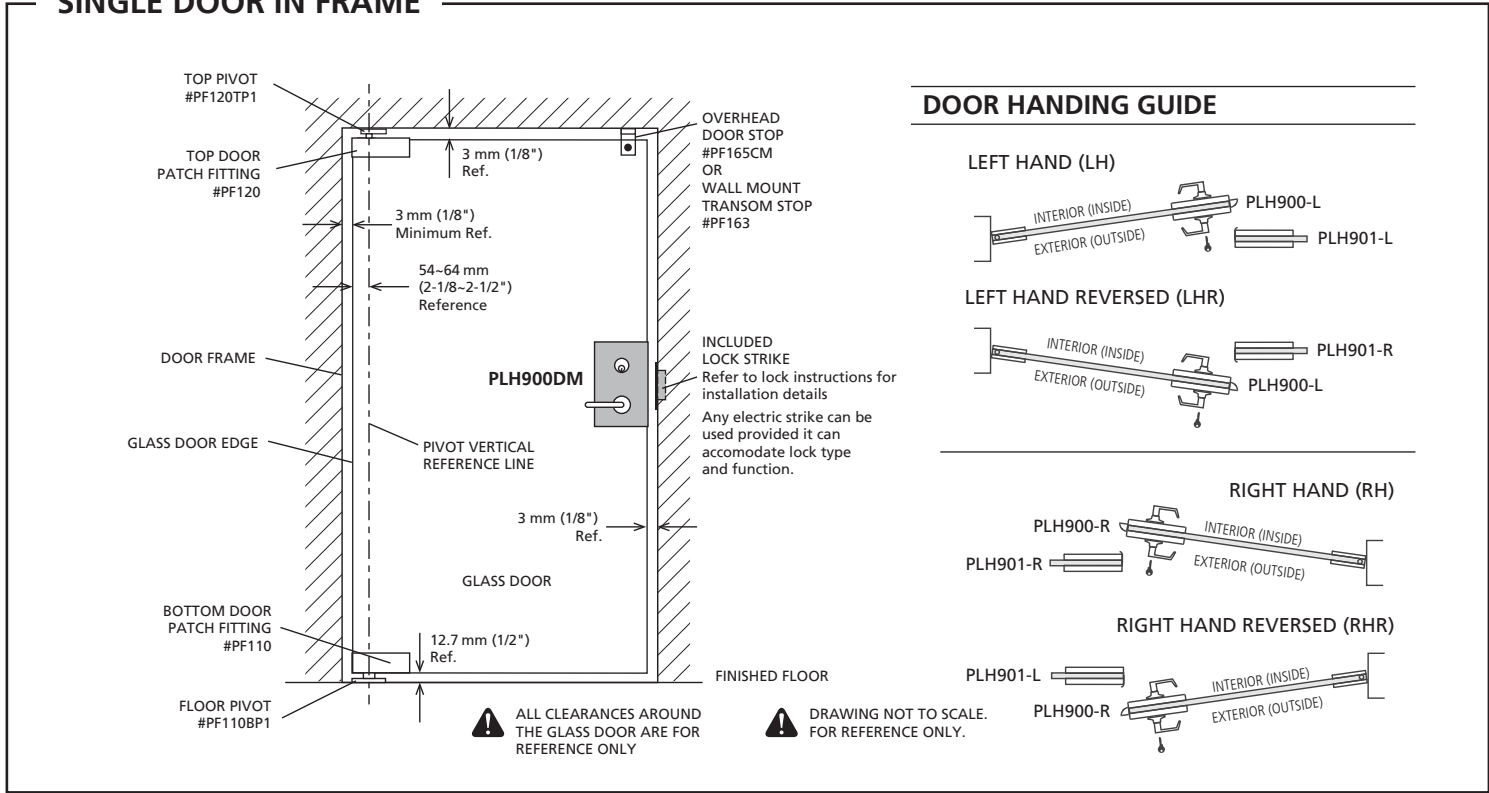
5. Install Housing Covers

- 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.

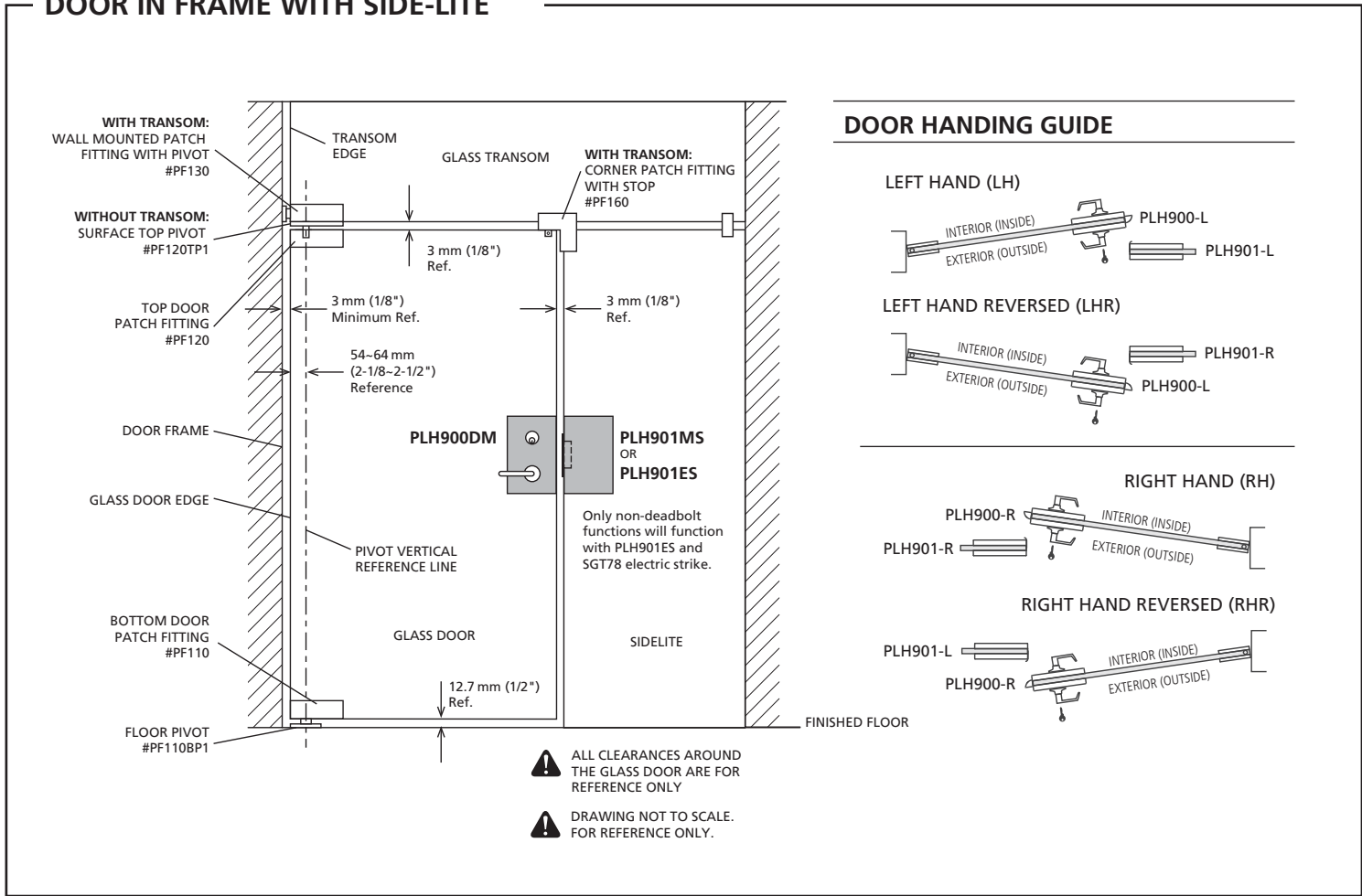
6. Install Lock Trim and Cylinder

- a. 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

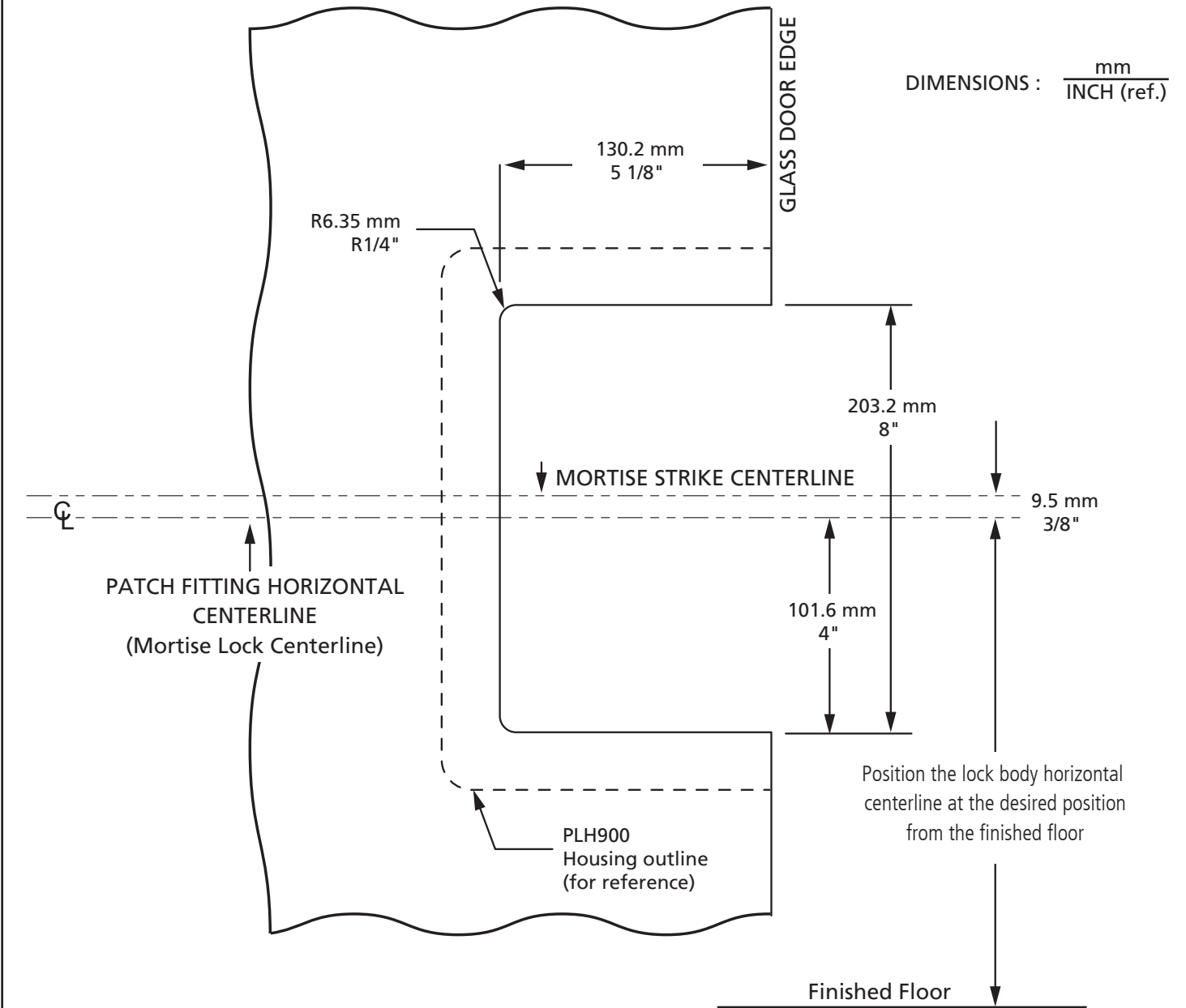


DOOR IN FRAME WITH SIDE-LITE



GLASS DOOR PREPARATION

! DRAWING NOT TO SCALE DO NOT USE AS TEMPLATE **FOR TEMPERED GLASS DOORS 10 mm to 12.7 mm (3/8" to 1/2") THICK**



SPACER GUIDE FOR EXISTING GLASS CUTS

