

DOREX® PLH901

UNIVERSAL PATCH STRIKE HOUSING - INSTALLATION INSTRUCTIONS

The following instructions are for the strikes included with cylindrical, ANSI mortise, deadbolt locks, or SGT78 electric strike which is sold separately.

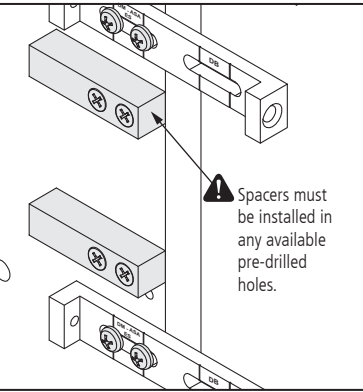
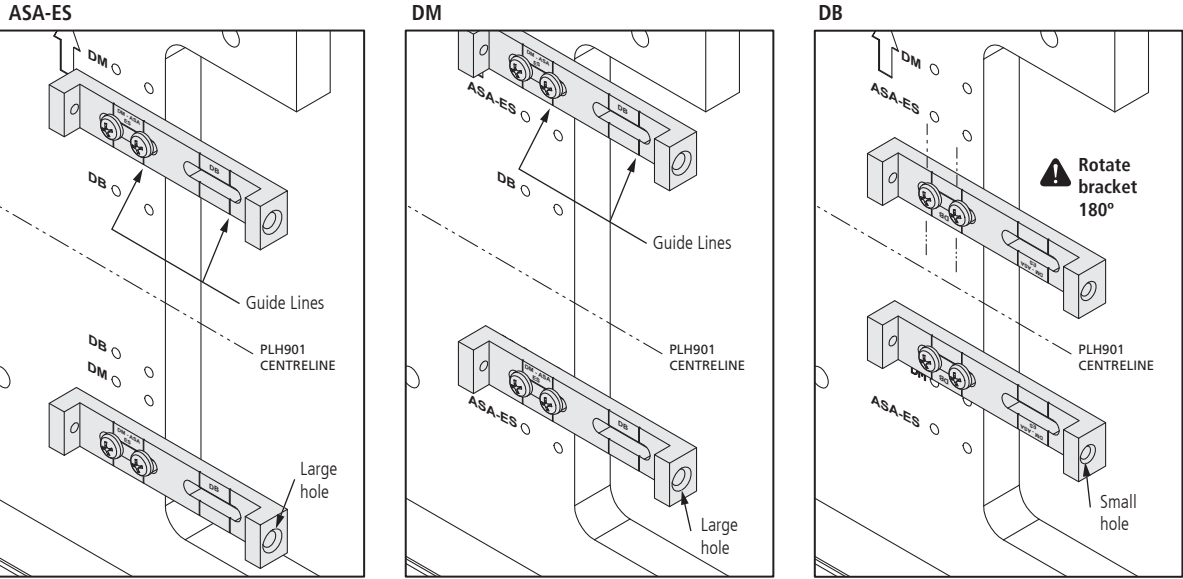
Cutouts for the PLH901 for tempered glass door panel and/or side-lite must be prepared during the glass panel's manufacturing. Do not attempt to cut or modify an already prepared door or side-lite tempered glass panel – it will likely shatter.

1. Door Preparation

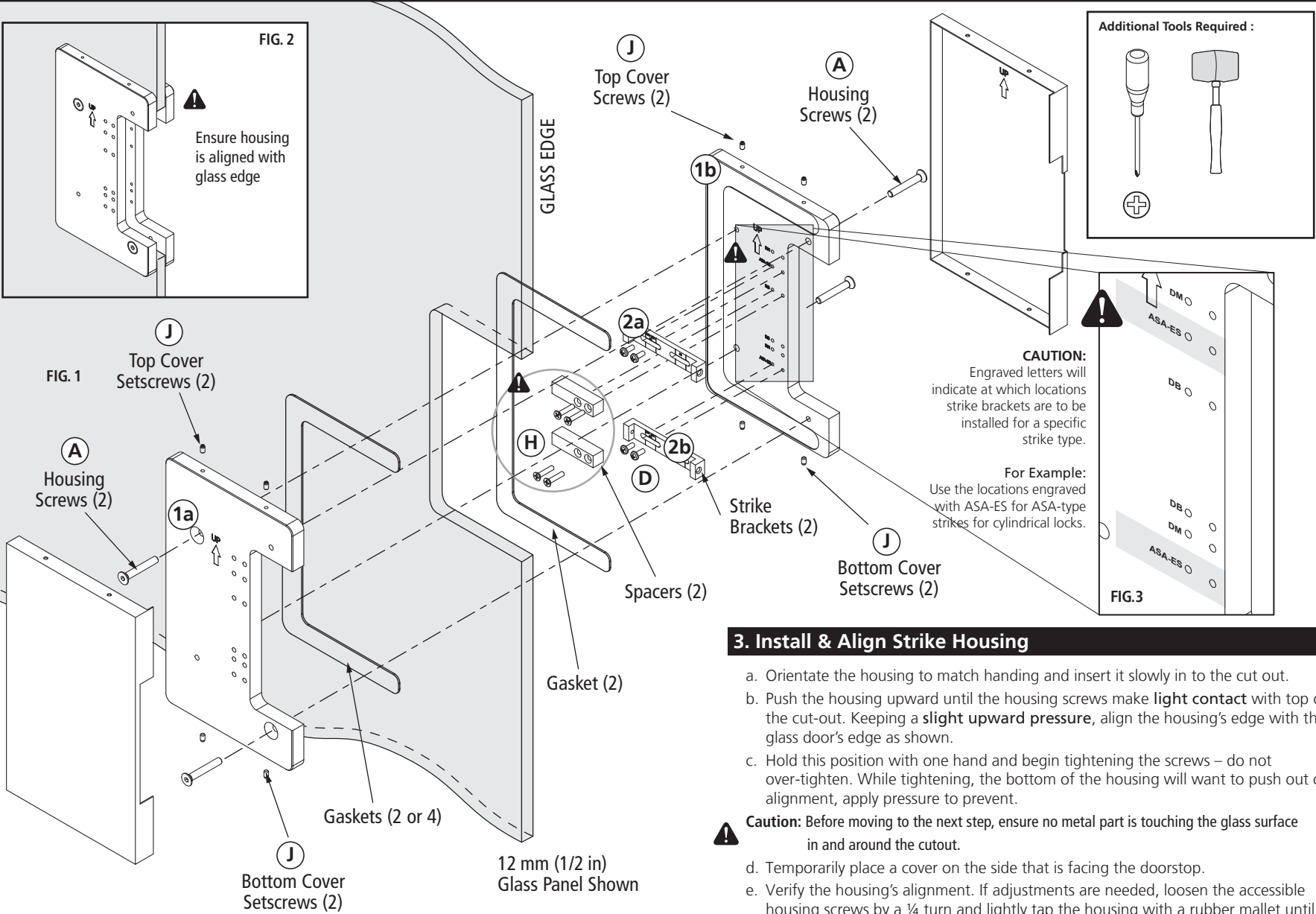
- Verify glass thickness before any preparation. PLH901 strike housing can only be installed on a glass panel or sidelight 10 mm to 12.7 mm (3/8" to 1/2") thick and must be paired with a PLH900 lock housing.
- Confirm handing matches PLH900 handing and lock type and function. PLH901DS for deadbolt strike is not handed.
- Ensure glass door cutout matches the glass cut template shown on page 2.
- A gap of minimum 3 mm (1/8") is required between the PLH901 strike housing and PLH900 lock housing. Start with the installation of the PLH901 strike housing before installing PLH900 lock housing.

2. Pre-assemble the Strike Housing

- Please note: the PLH901 housing can accommodate different strike types:
- ASA-ES = ASA strike included with most cylindrical locks (DOREX F1, GX1, F, T2, etc.)
 - DM = Strike for ANSI mortise locks (DOREX DM)
 - DS = Commercial deadbolt security strike (DOREX GX1A, FHA, DG1, DG2, etc.)
 - ES = Electrical strike (Use provided ANSI square faceplate)
- Take the two housing halves (#1a and #1b) and lay them on a flat surface with the recesses for gaskets facing up.
 - 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.
 - Install strike brackets #2a and #2b on housing half #1b, using the holes and orientation required for the chosen strike type as illustrated (use etched vertical lines as screw alignment guides below):



- Tip: Place housing half into its cover and pre-install the required strike onto the strike brackets using included screws. Loosely install the bracket and strike, then align the strike to be flush with the cover and tighten firmly.
- Install spacers (H) using any available pre-drilled holes, either above or in-between the brackets. Tighten firmly.
 - Do not skip the installation of the spacers. They are there to avoid any damage to the glass panel.
 - Loosely assemble both halves together using included hex screws (A) - 2 from either side - as shown. Do not tighten yet.



3. Install & Align Strike Housing

- Orientate the housing to match handing and insert it slowly in to the cut out.
- Push the housing upward until the housing screws make 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.
- Hold this position with one hand and begin tightening the screws – do not over-tighten. While tightening, the bottom of the housing will want to push out of alignment, apply pressure to prevent.
- 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 ¼ turn and lightly tap the housing with a rubber mallet until levelled and aligned as required.
- Once aligned, lightly re-tighten the loosened housing screws (A), remove the cover and firmly tighten housing screws on all sides.

4. Install Housing Covers

- Place cover onto it's corresponding housing side and align the top holes of the cover to the top set screw holes of the housing and hold in place.
- Using the 2mm hex key, 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.

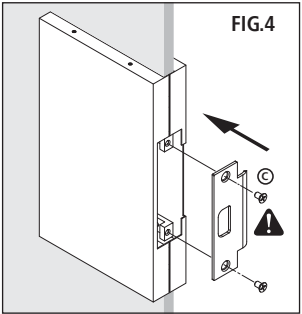
5. Install Strike

- Using the screws supplied with the PLH901, install strike as shown in the installation instructions of the door lock that will be installed in the PLH900 lock housing. For the electric strikes, please refer to their installation instructions.
 - For Deadbolt Strike: Use two M4 flat head screws (F)
 - For All Other Strikes: Use two #12-24 flat head screws (C).

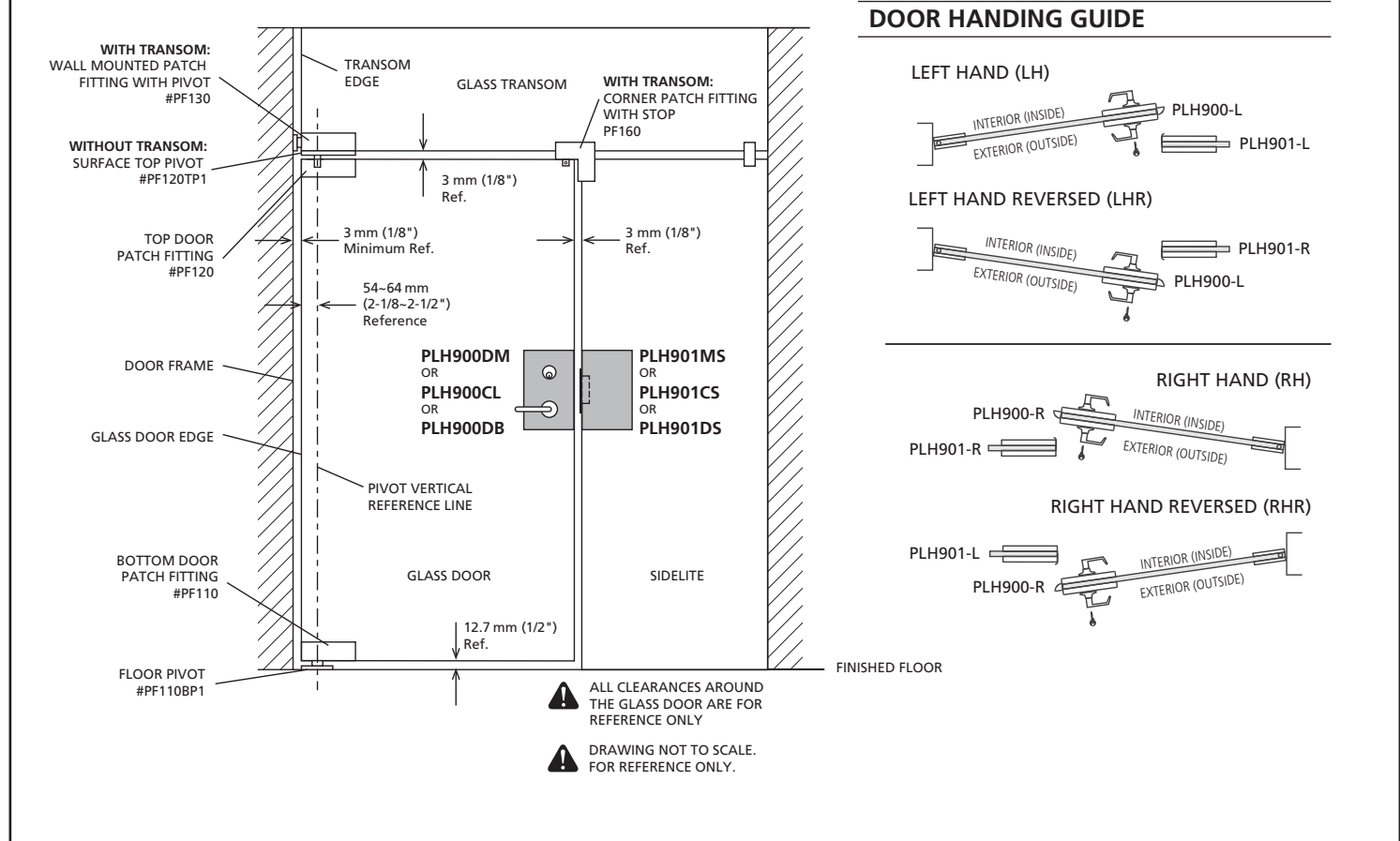
FASTENER CHART				
ITEM	QTY	SIZE	LENGTH	DESCRIPTION
A	4	M6X1	40 MM	FLAT HEAD HEXAGON DRIVE
B	4	M5X0.8	25 MM	FLAT HEAD HEXAGON DRIVE
C	2	#12-24	3/8"	FLAT HEAD UNDERCUT PHILLIPS DRIVE
D	–	M5X0.8	10 MM	FLAT HEAD PHILLIPS DRIVE
E	4	M4X0.7	10 MM	PAN HEAD PHILLIPS DRIVE
F	2	M4X0.7	10 MM	FLAT HEAD PHILLIPS DRIVE (DEADBOLT)
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 KEY, BALL END
L	1	3MM	60 MM	3MM HEX KEY
M	1	4MM	70 MM	4MM HEX KEY

#GDPF-SCKT

NOTE: After installation there will be left over screws.



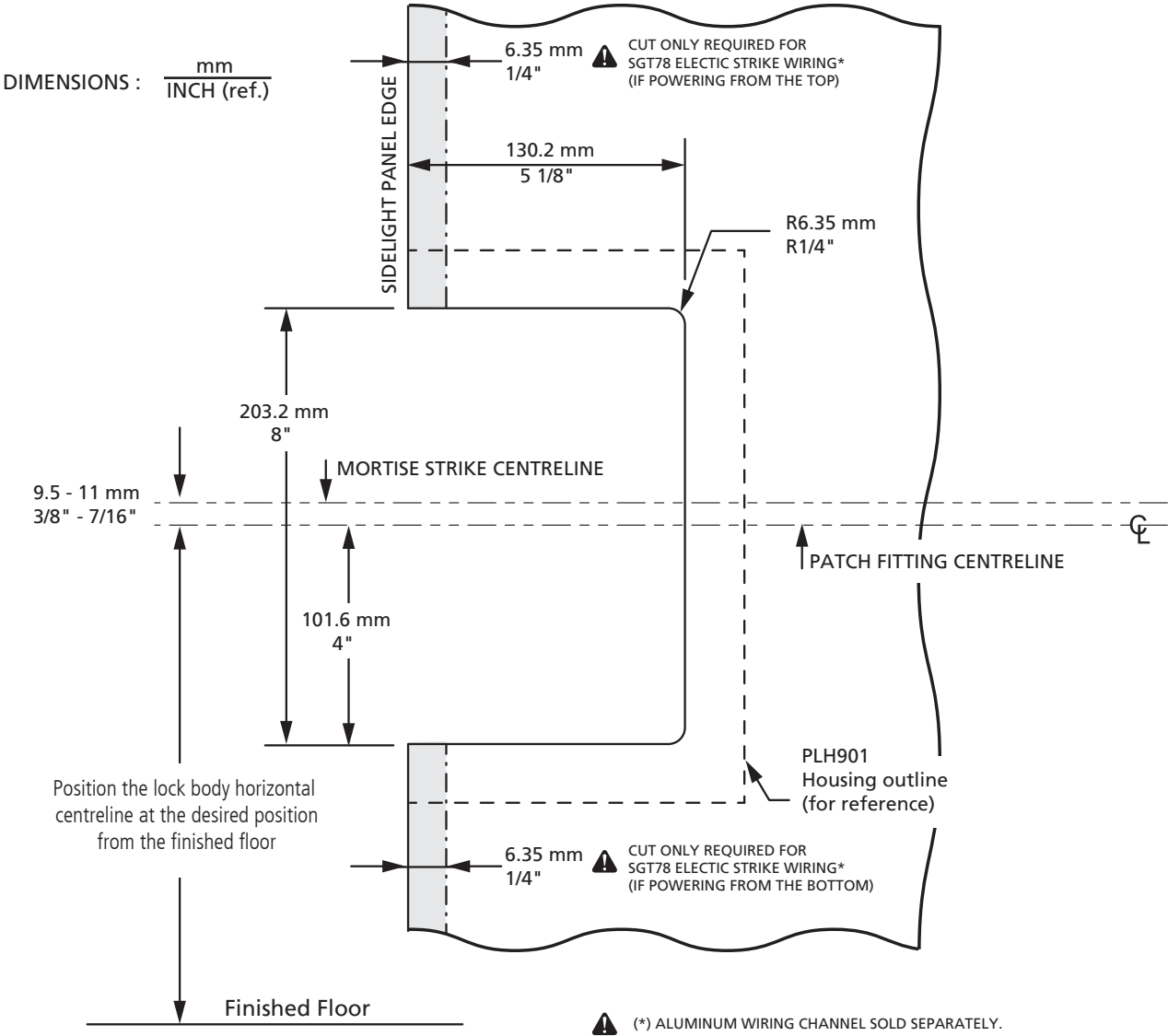
DOOR IN FRAME WITH SIDELITE



GLASS PANEL PREPARATION

⚠ DRAWING NOT TO SCALE
DO NOT USE AS TEMPLATE

FOR TEMPERED GLASS DOORS
10 mm to 12 mm (3/8" to 1/2") THICK



⚠ PLH901 ES - WITH SGT78 ELECTRIC STRIKE

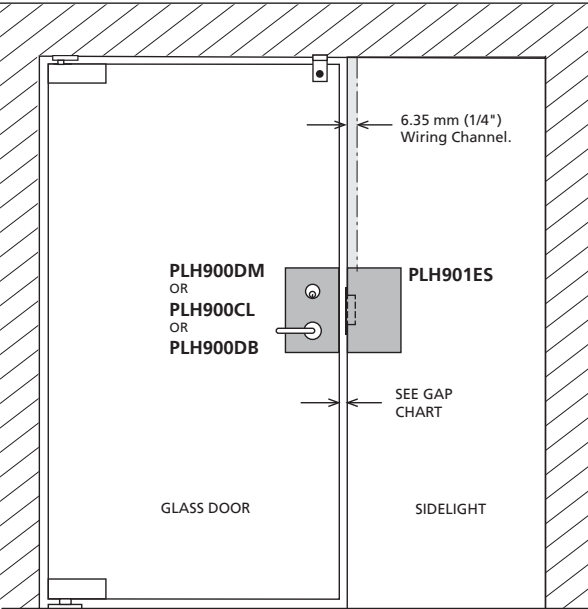
- a. If installing PLH901ES with electric strike, an additional cut of 6.35mm (1/4in) from the edge of the sidelite (in grey) must be cut to allow for wiring. Wiring is usually run from the top of the sidelite, but can also be run from the floor. **Please speak with your installer and glass wall manufacturer for details.**
- ⚠** b. Installations with the PLH901ES may require a different gap size between the door and the sidelight - please refer to the chart below.

ELECTRIC STRIKE GAP CHART

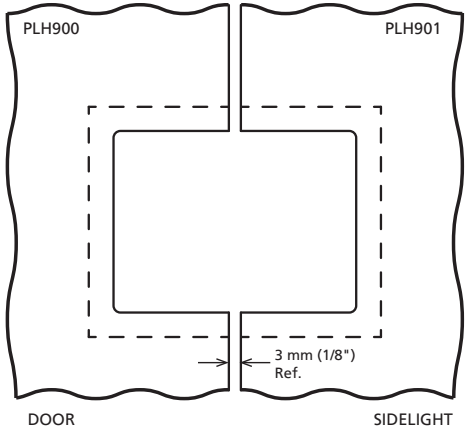
LOCK		REQUIRED GAP
PLH900DM*		6.35 MM (1/4 IN)
PLH900CL	PLH901 ES	3 MM (1/8 IN)
PLH900DB**		3 MM (1/8 IN)

(*) When PLH900DM is paired with PLH901ES with electric strike, only non-deadbolt functions will function.

(**) Only if deadbolt is configured with a gatelatch, or if using DOREX DG1 or DG2 commercial gatelatches.



- ⚠** a. Opposing housing cut-outs should align with each other within ± 1 mm.



Retrofitting Glass Cut Guide

