

FOLDING SLIDING WALL



FSW-C / FSW-C Plus

WN 800.52.066.6.32, 04/13 / 007499

1. Ceiling substructure and mounting of the track rail

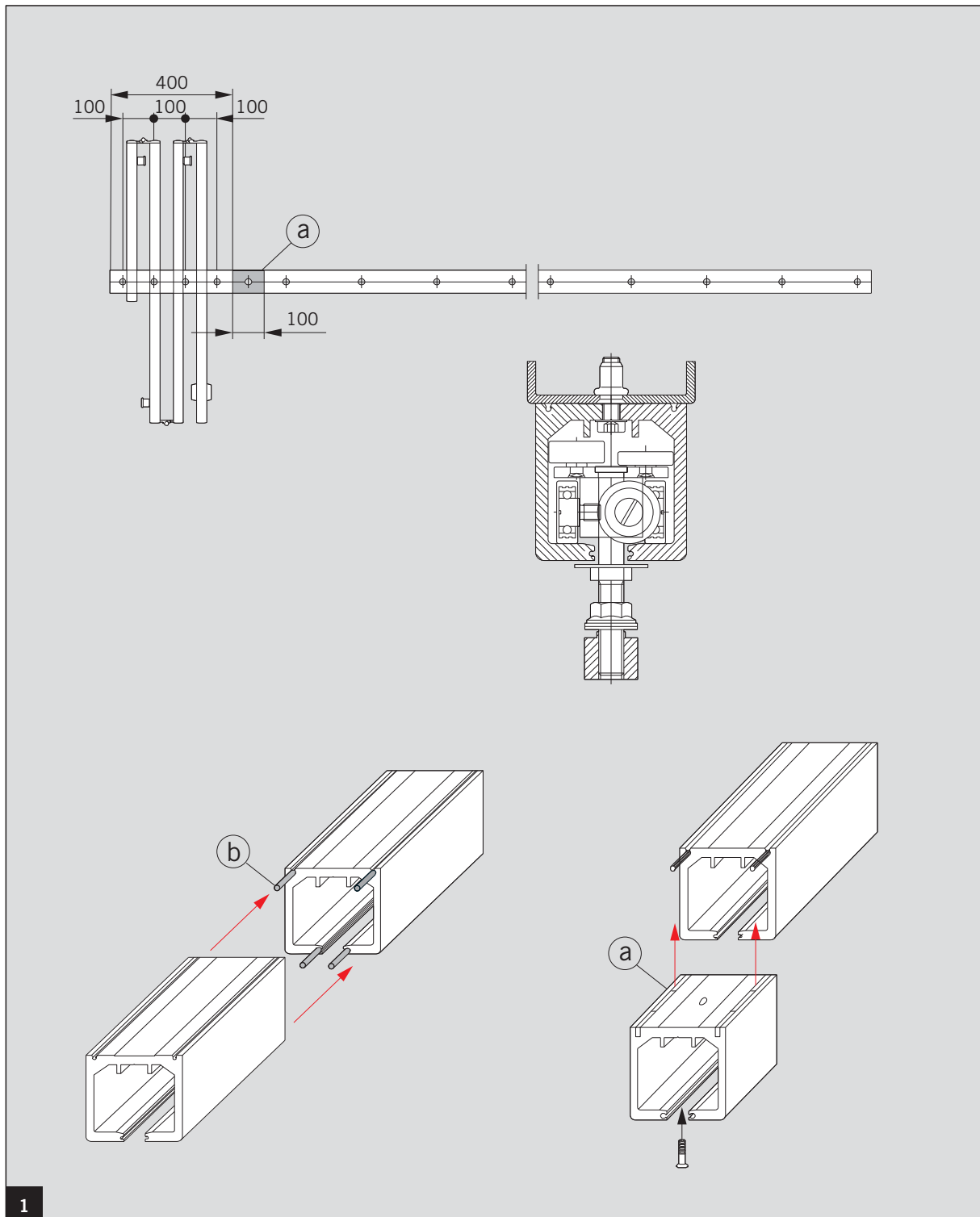
The entire track rail needs to be bolted over its full length to a properly aligned (lengthwise and crosswise) substructure (for example DORMA-substructure system).

The substructure should be dimensioned and designed to bear the total weight of all the panels.

The fixing point intervals for track rail attachment to the substructure should be approx. 100 mm in the stacking area and approx. 300 mm along the remaining track length.

Caution: All the track joints must be provided with connection pins (b) in order to ensure a flush transition between the track sections and thus smooth sliding panel operation.

The maintenance end section (a) can be detached for panel mounting and maintenance of the rollers.



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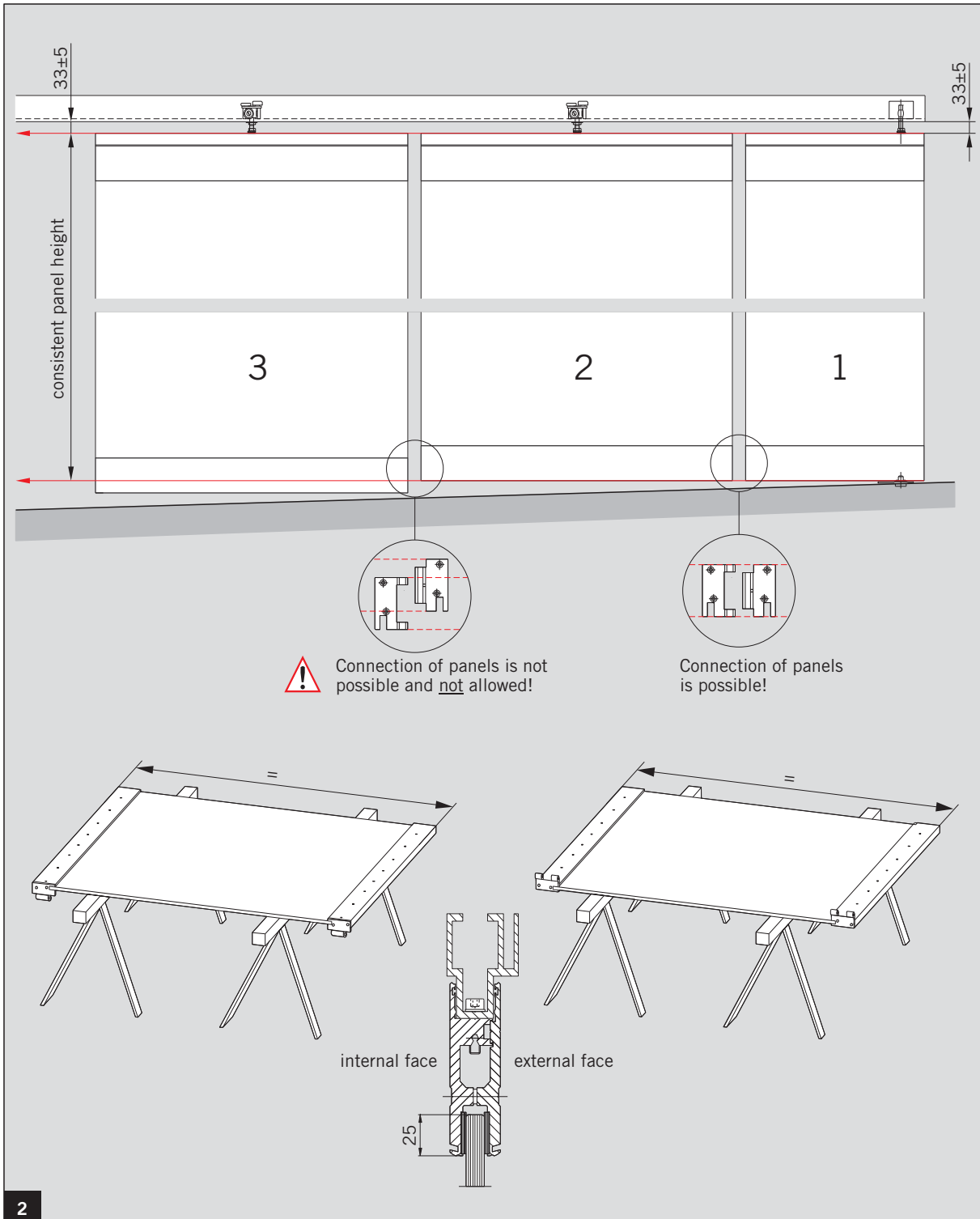
2. Fitting the door rails with folding door hinge at the glass panel

The door rail with a panel hinge section or frame hinge section consists of two segments that are bolted together. Before sliding the door rails onto the glass, slightly loosen the screw fasteners on the folding door hinges and the door rails. Slide the top door rail with padding onto the glass, and clamp tightly on both sides. Glass insertion length: 25 mm.

Slide the bottom door rail with padding onto the glass. Glass insertion length: 20 mm.

All panels must necessarily have the same height dimension, otherwise it is not possible to connect the panels by the hinges.

When aligning the door rails, ensure that the height dimension is the same from panel to panel. After aligning, firmly tighten the M8 hexagon socket screw on both sides so that the rail clamps the glass securely. Use a 5 mm socket wrench, applying a tightening torque of 20 Nm. It is particularly important to clamp the top door rail correctly owing to its load-bearing function. If the system is likely to be subjected to vibration, a suitable glue must be additionally applied to the glass panels in the area of the top door rail to provide adhesion complementary to the profile's clamping function.



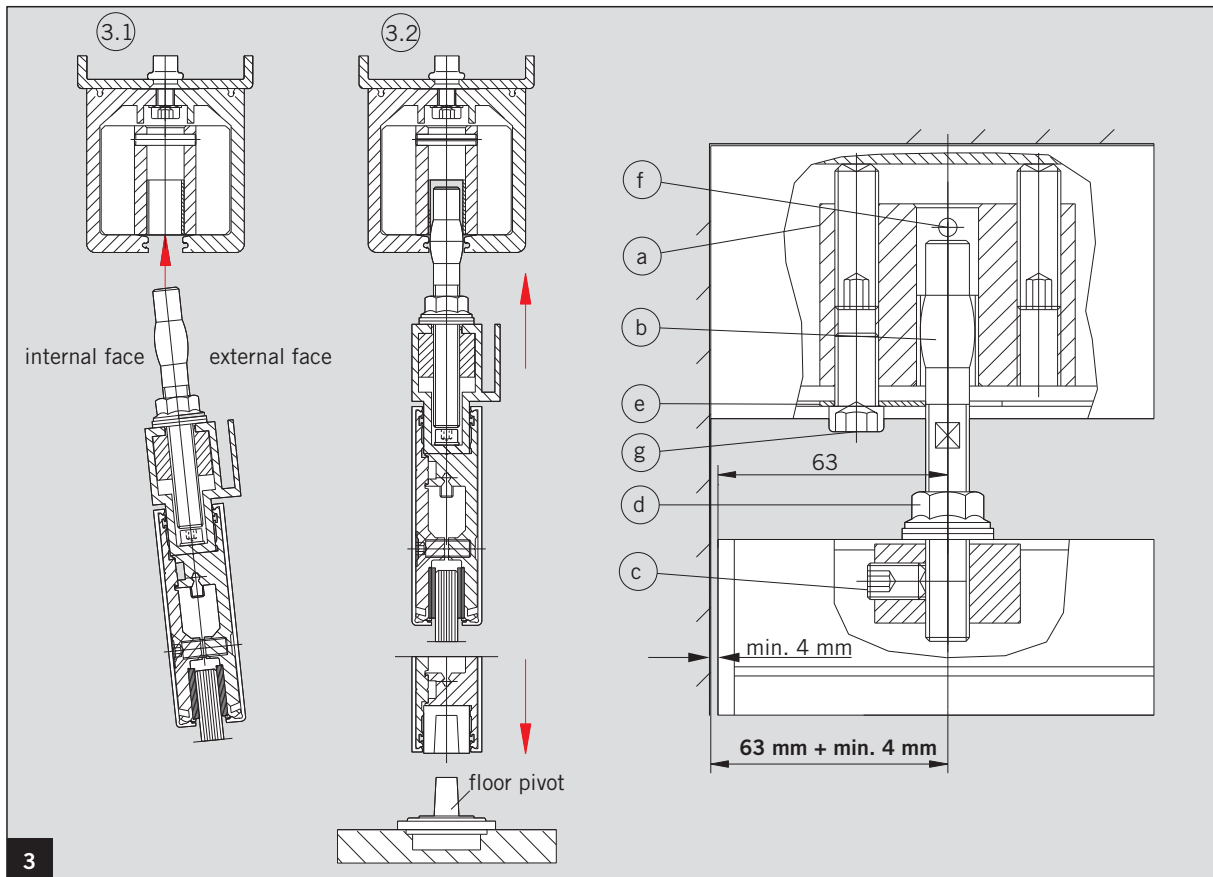
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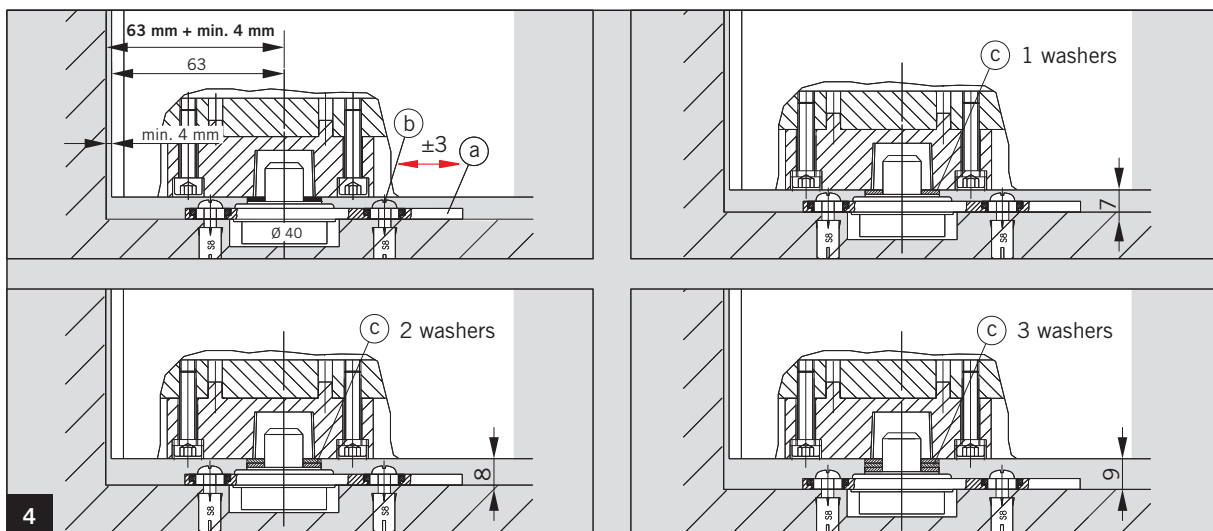
3. Mounting the folding end panel

Slide the top pivot assembly (a) of the end panel into the end of the track rail. Securely clamp the pivot assembly to the wall with the measure of **63 mm + min. 4 mm clearance** (6 mm socket wrench). Mounting the floor pivot (see figure 4), again with the measure of **63 mm + min. 4 mm clearance**. In order to be able to hang the end panel, bolt (b) must first be wound down. Next fit the end panel by first inserting bolt (b) into the top pivot assembly (figure 3.1) and then over the floor pivot (figure 3.2). Following mounting, wind bolt (b) up until it comes into contact with the bottom of the roll pin (f), then turn it back one revolution (1 mm clearance); tighten nut (d) using a 17 mm open-jaw wrench. Next firmly tighten the grub screw in the suspension block (c) using a 5 mm socket wrench. Fix safety plate (e) with bolt (g) onto the top pivot assembly; this prevents the door rails from falling down if the panel glass breaks.



4. Adjusting the floor pivot

Floor pivot assembly for a pivoting end panel. The measure of **63 mm + min. 4 mm clearance** can be corrected by adjusting the floor pivot (a). Adjustment range ± 3 mm: Loosen all three fixing screws (b), adjust the position of the floor pivot and re-tighten the screws.



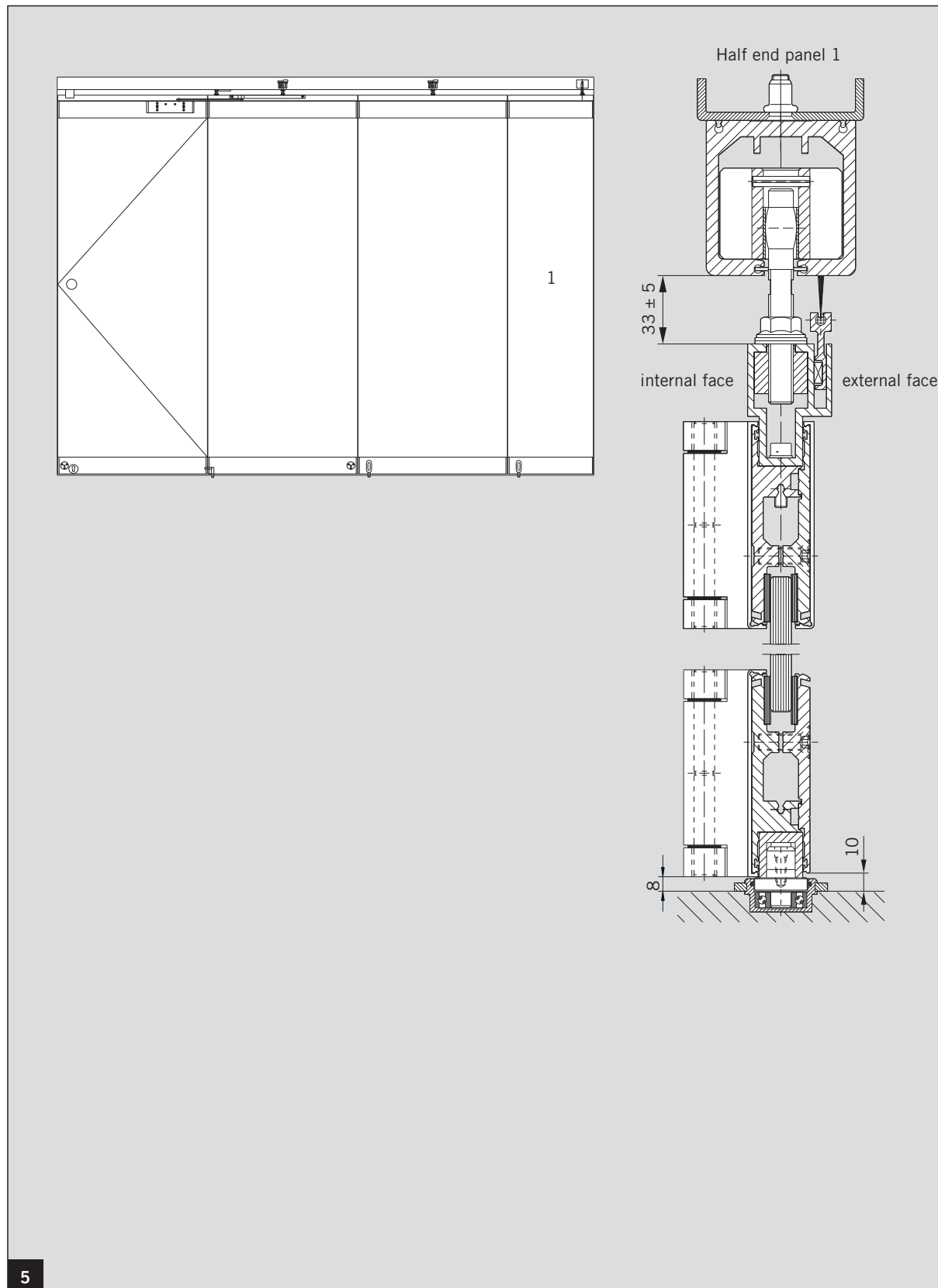
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5. Alignment of the folding end panel:

Adjust the height of the half end panel (1) and observe the top measure of $33 \text{ mm} \pm 5$.

With the aid of the enclosed washers, it is possible to adjust the height of the floor pivot by $\pm 3 \text{ mm}$ (3 pieces, each 1 mm thick, see page 3).



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5. Mounting the folding panels

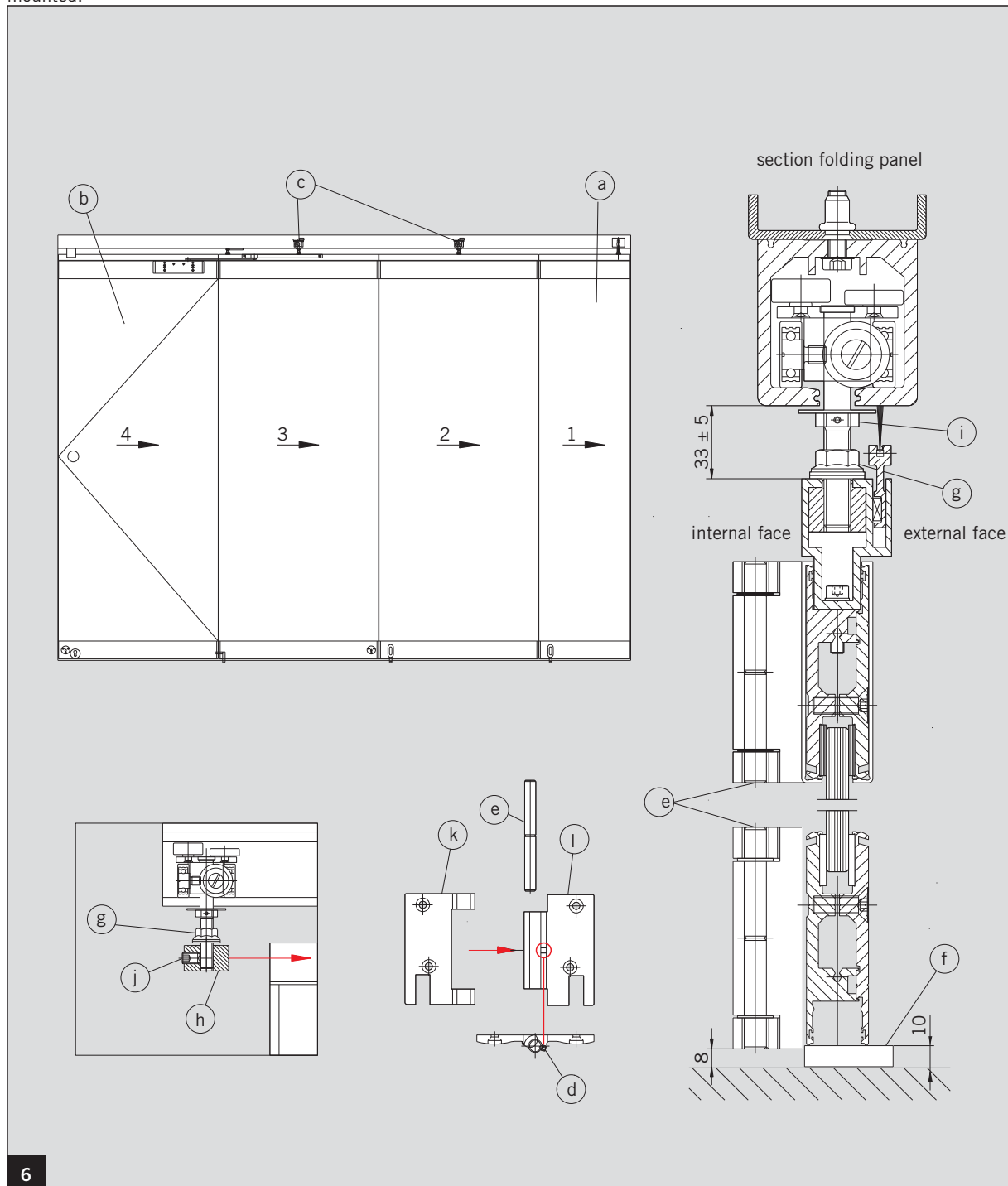
Each panel, apart from the half end panel (a) and the access panel (b) if mounted, is provided with a roller (c).

Slide the track rollers into the track. Loosen the M5 set screw (d) from the folding hinge and remove bolt (e).

Attach the next folding panel as follows:

Insert a 10 mm spacer block (f) underneath the bottom door rail and slide the suspension block (h) of the track roller into the middle of the adapter profile. Lightly tighten the M12 nut (g) (17 mm AF). Connect the top and bottom folding hinges from one panel to another by inserting the bolt (e) through the frame hinge section (k) and the panel hinge section (l). Ensure that the folding panels are positioned at the same height and secure bolt (e) with grub screw (d). Before mounting the next folding panel, support the system from below, e.g. using wooden wedges and then continue as described above.

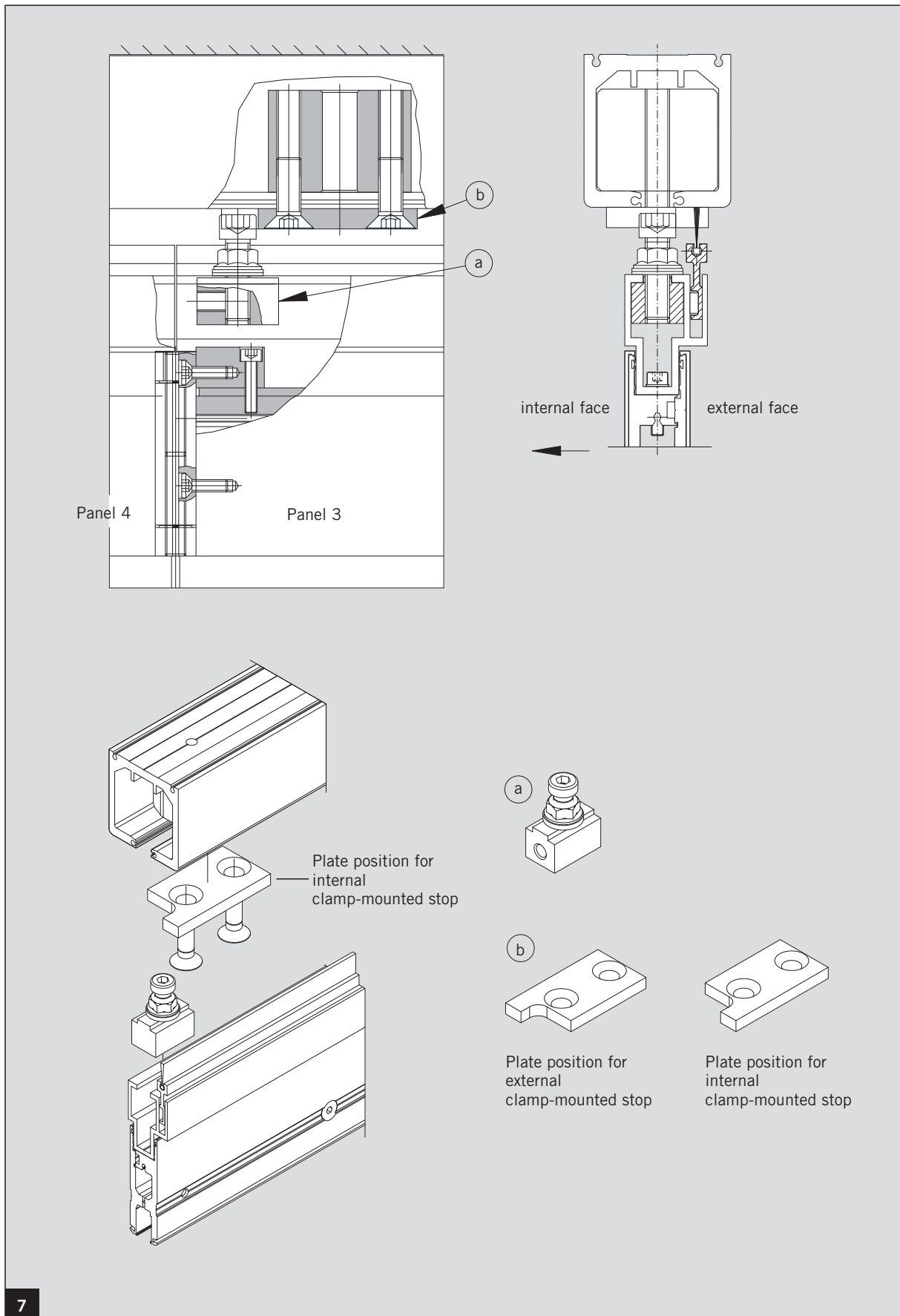
Connect the access panel to the final folding panel using hinges. Then unfold the FSW-C/Plus and align by adjusting the roller position so that all the panels are at 90° and the folding panels are centered in relation to the track rail axis. Following completion of this adjustment work, secure the track rollers to the carrier profile by tightening nut (g). Now the system can be closed again, the cover profiles clipped into position and the operating buttons of the bottom face-mounted slide bolts mounted.



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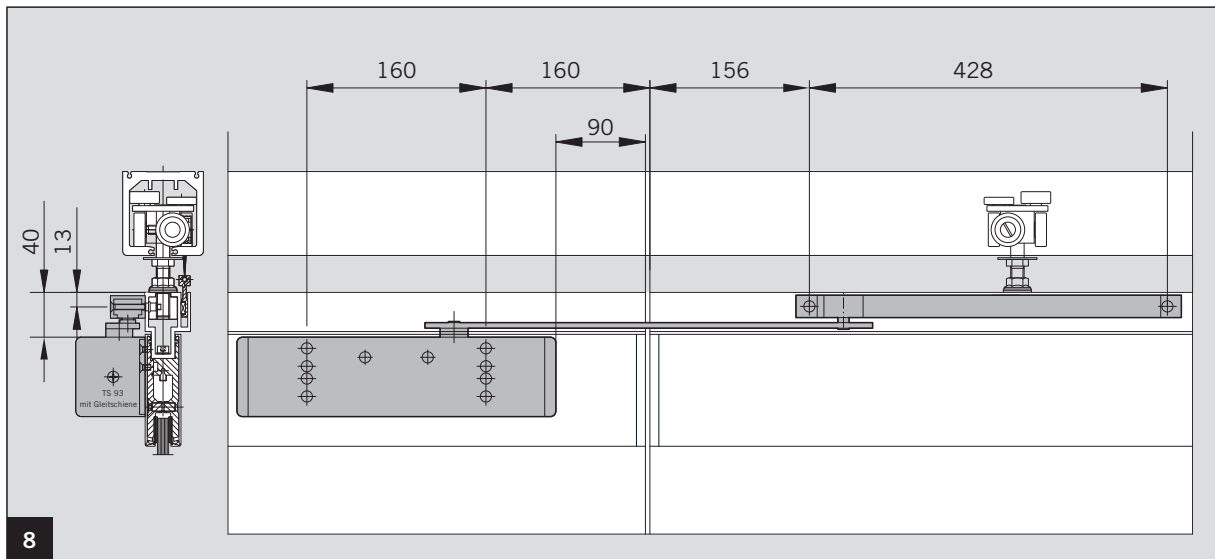
6. Attachment of clamp-mounted stop (a) and stop plate (b)



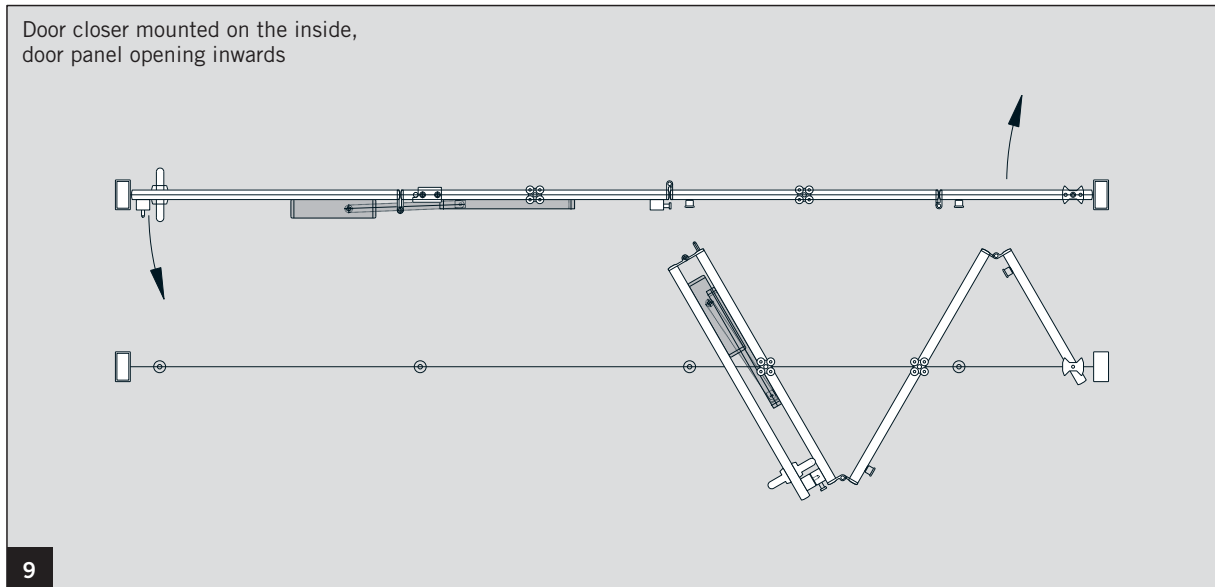
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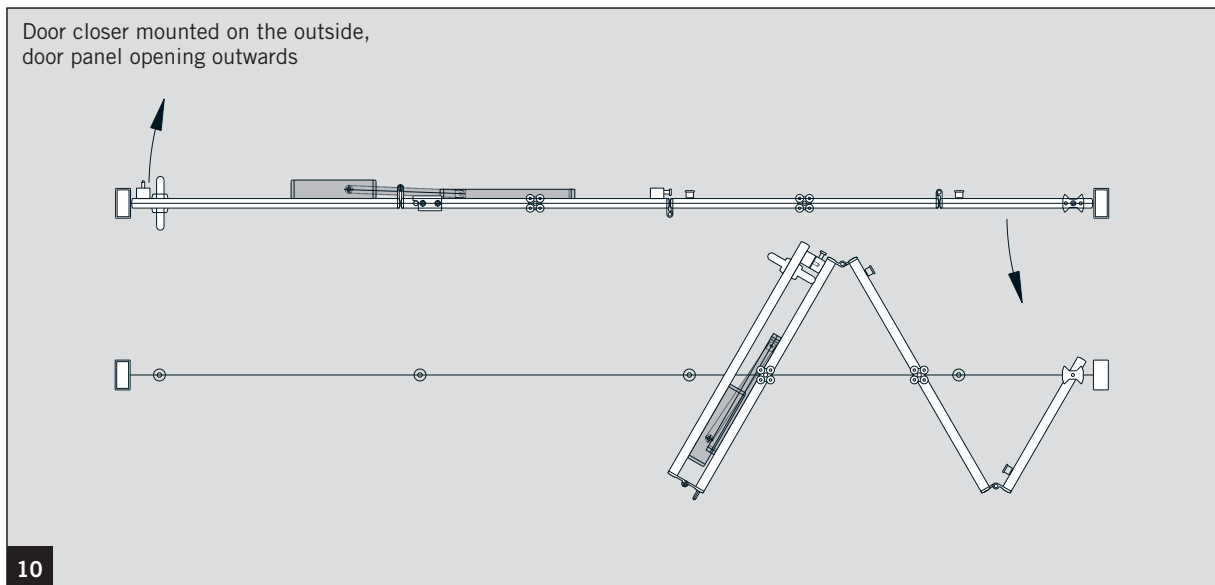
7. Mounting the TS 93 - G (FSW-C Plus)



Door closer mounted on the inside,
door panel opening inwards



Door closer mounted on the outside,
door panel opening outwards



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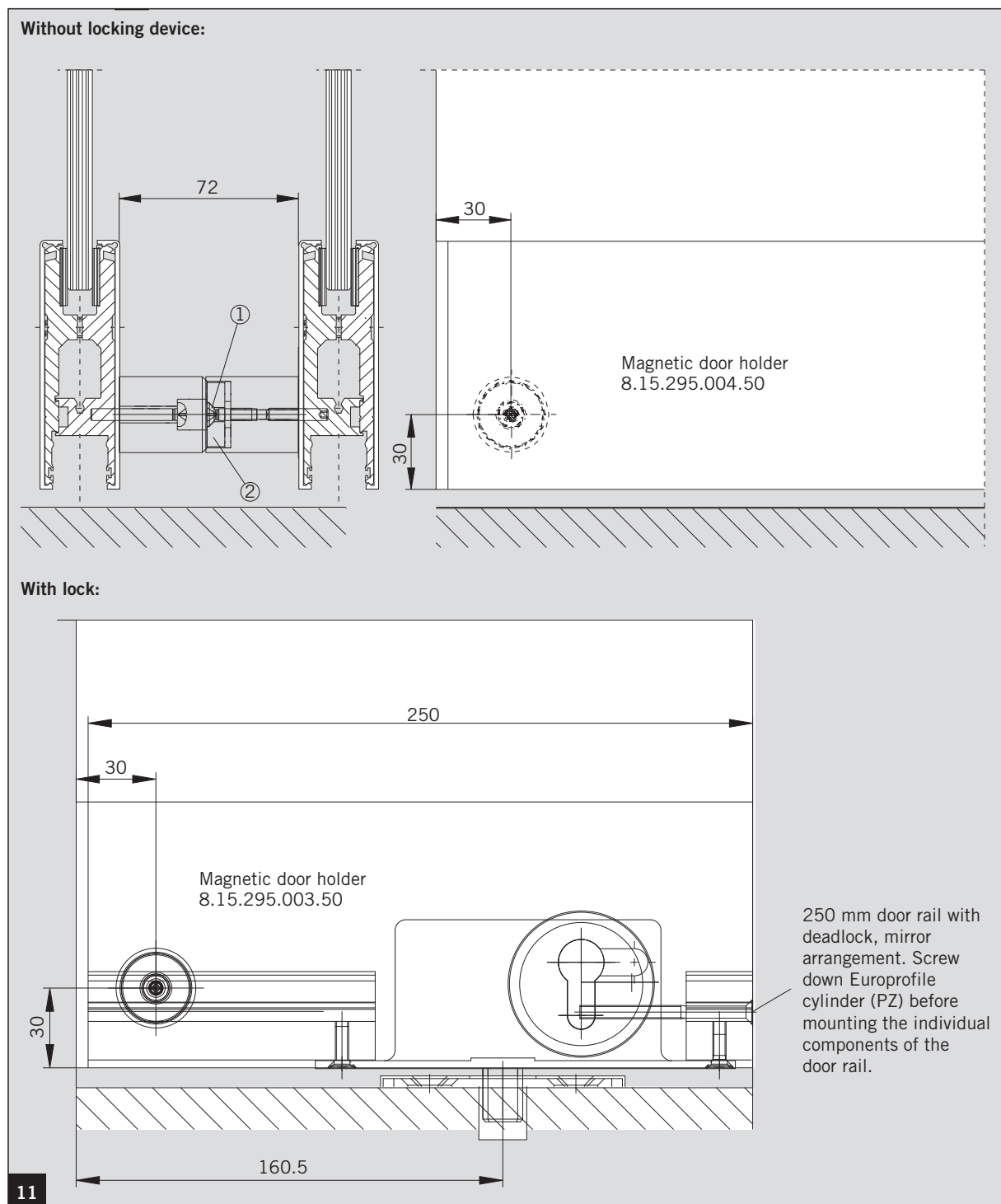
9. Mounting of the bottom magnetic door holder

The TS 93-G and the magnetic door holder are pre-drilled by DORMA-Glas. Following mounting of the door rails and the cover plate, the two items merely have to be screw-fixed into position.

The folding panels of the FSW system are held in their folded arrangement, that means fixed to the opposing panel, with the aid of the magnetic door holders. The strength of the magnet's attraction can be modified by adjusting the countersunk screw (1), a quarter turn in clockwise direction usually being sufficient to achieve an appreciable decrease in strength.

Caution: If this adjustment is performed too frequently, the screw's adhesive coating loses its effect (screw can be turned too easily). If necessary, refresh the coating.

During mounting, the magnetic disc (2) must be centrally aligned to its counterpart in order to ensure maximum magnetic attraction. If the magnetic disc needs to be re-aligned, simply loosen the cheesehead screw a little, re-position the magnetic disc, and re-tighten the cheesehead screw.



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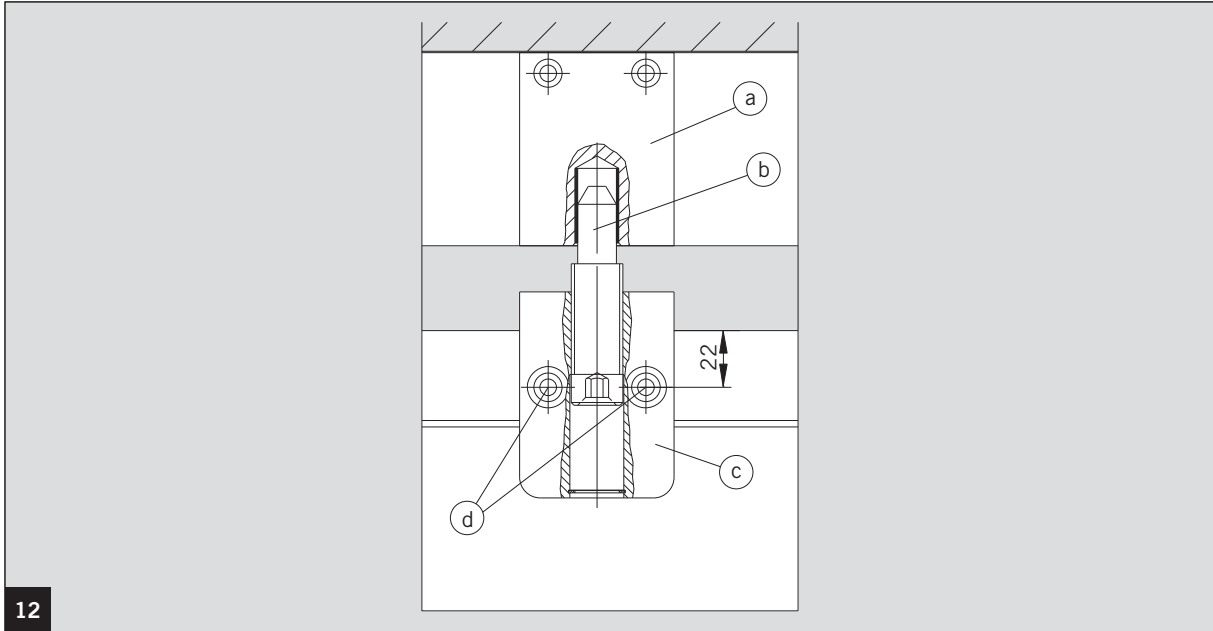
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10. Mounting the FSW locking device (if available)

The top section (a) of the locking device is supplied already screwed onto the track rail.

Wind the lock bolt (b) into the bottom section (c) to the maximum extent of travel and fix the bottom section to the adapter profile, leaving a gap of 22 mm from the top edge. Then push in the caps (d).

(A centre lock with a panic/emergency escape function can also be used in conjunction with the top locking device if required.)



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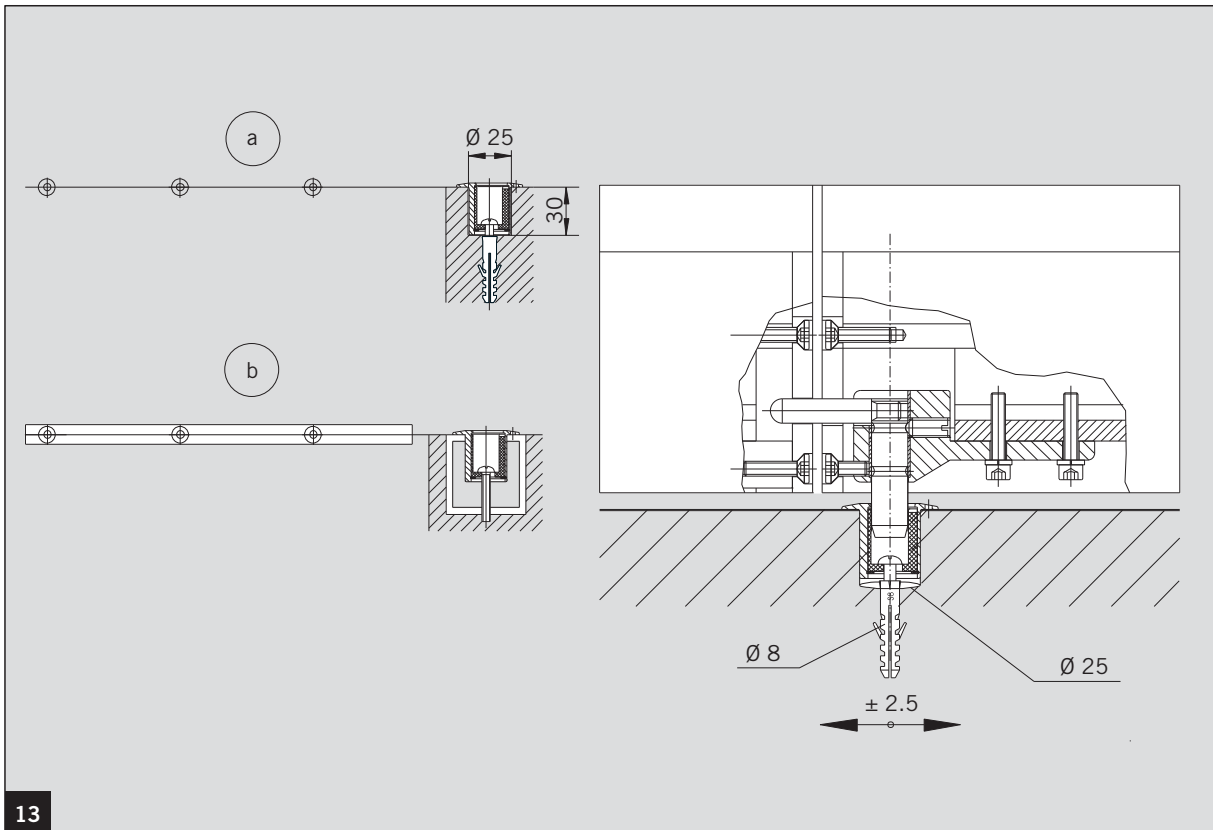
11. Floor preparation

Eccentric sockets are used as standard for the locking device.

a. Drill a hole with 25 mm dia, 30 mm deep for the eccentric socket, and with 8 mm dia. for anchor plugs.

Align eccentric sockets (double eccentric) and fix with central screw.

b. Eccentric socket mounted in continuous recessed square-section tube.



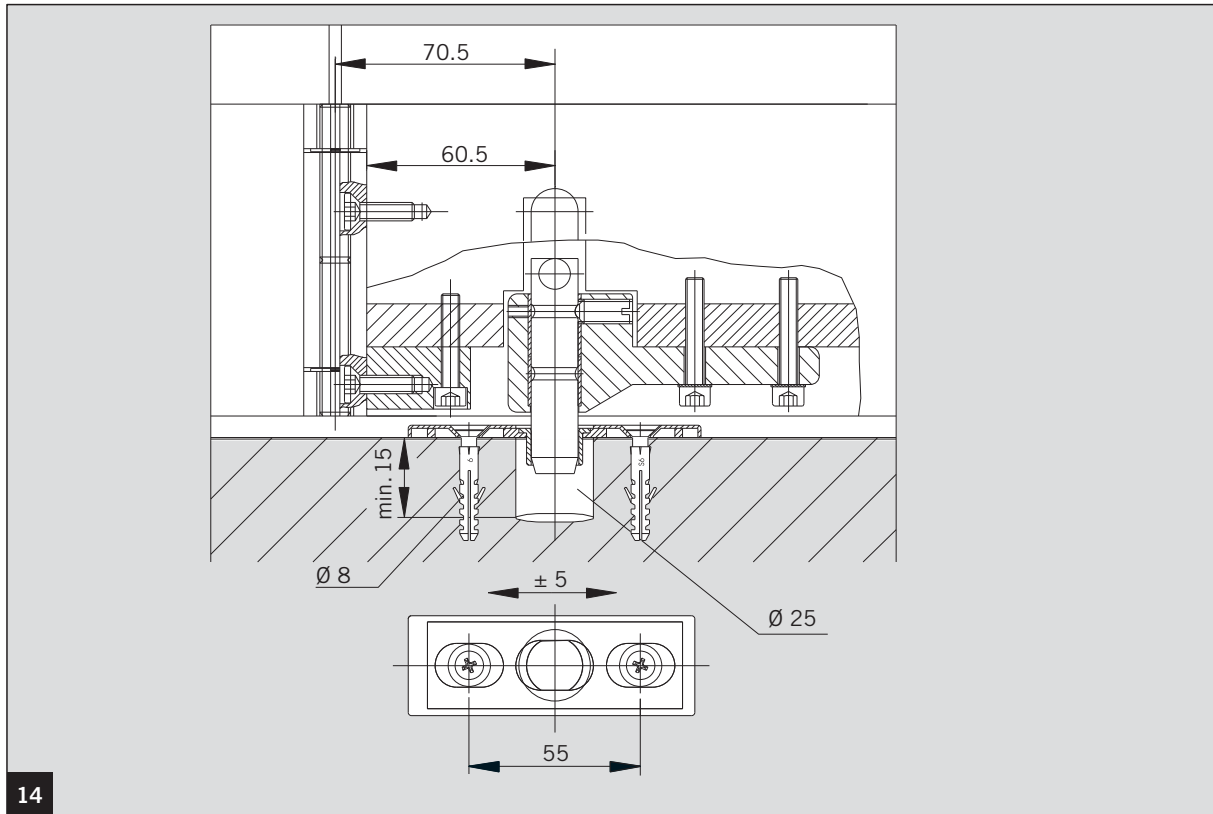
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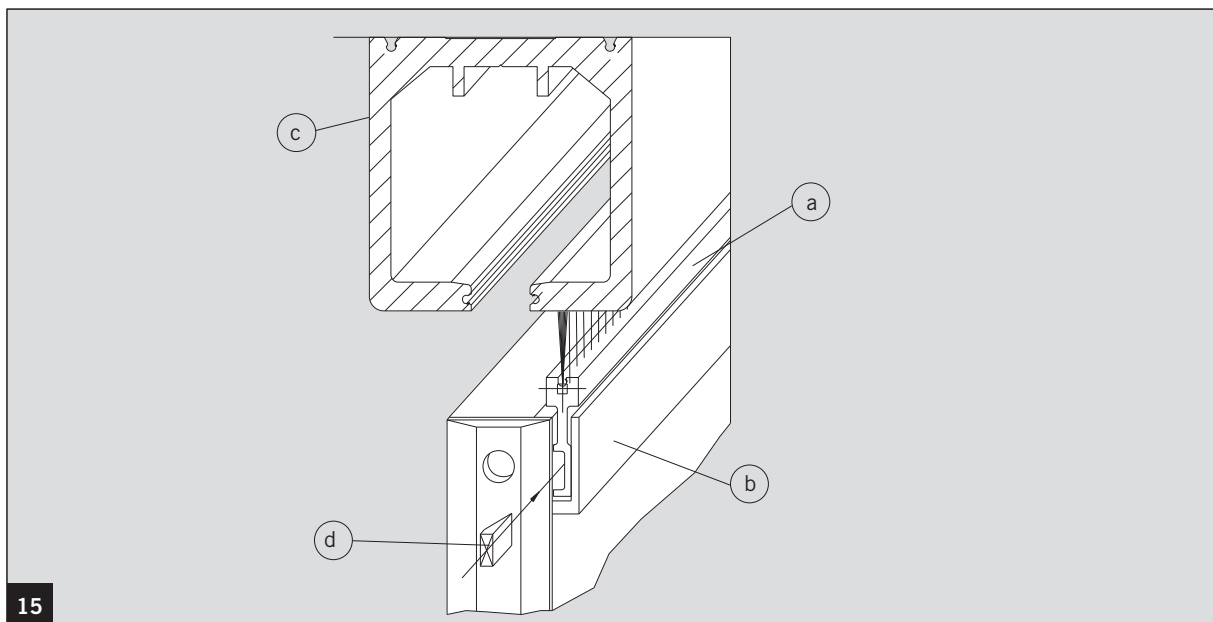
11. Mounting the adjustable strike plate

Mark out the drilled holes as below and drill 25 mm dia. holes, at least 15 mm deep. In addition, drill 8 mm dia. holes spaced 55 mm apart for anchor plugs. Mount the strike plate. Bring the panel into position and lock.



12. Mounting the top brush

Insert the top brush profile (a) into the top adapter profile (b), align so that the brush lies flat against the track rail (c), and secure the brush profile left and right with a plastic wedge (d).



13. System maintenance

In order to ensure functional reliability over the long term, please comply with the following instructions:

1. Ensure that locks and slide bolts are kept in good working order.
2. Regularly clean keeps for locks and bolts located in the floor.

Änderungen vorbehalten
Subject to change without notice