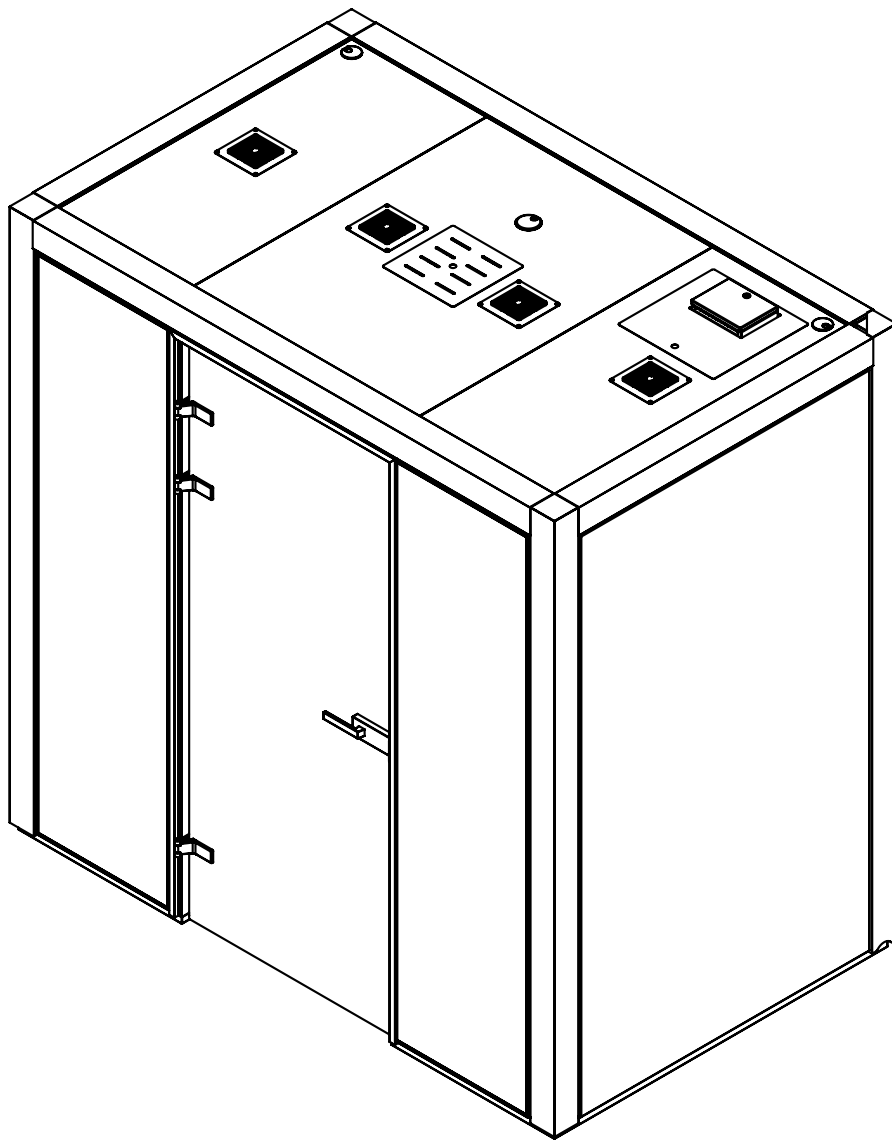


Mute Box™

Acoustic booth



Installation guide

Effective October 22nd, 2019

artopex®

Interactive links



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interactive links

page tabs & page references

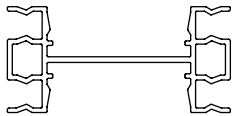
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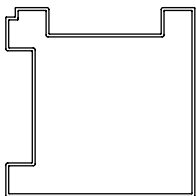
**IMPORTANT:**

A left hand reverse booth is illustrated in this Mute Box Installation Guide, the light switch will be on the right side of the booth. For a right hand reverse booth, the light switch will be on the left.

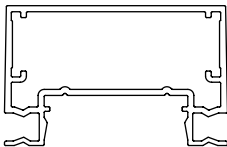
Components - Overview of main components



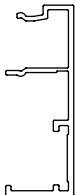
Y27



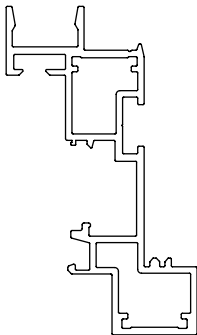
Y31



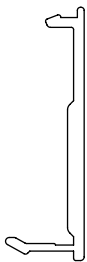
Y39



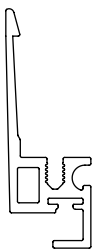
YC23



YH23



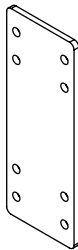
H20



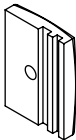
YC5PT



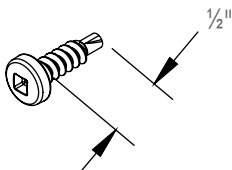
YC6PT



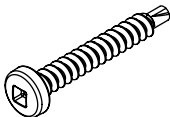
Joining
plate



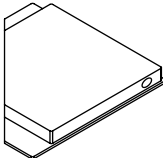
BOY



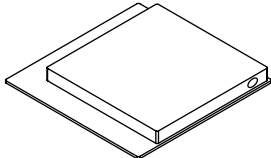
G1356



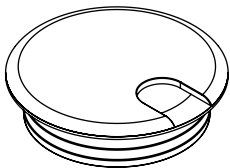
1" metal
screw



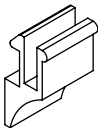
45° Corner
cover



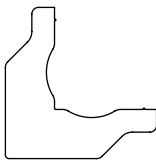
90° Corner
cover (x3)



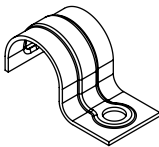
Grommet



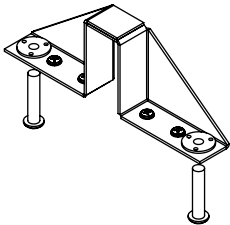
Retaining
clip



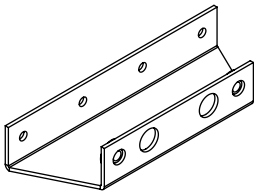
Extrusion
bracket



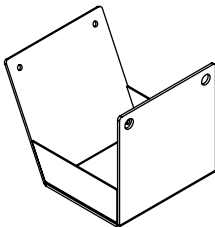
Main power
cable tie



Ceiling
anchor



Interior screen
bracket










Exterior screen
bracket



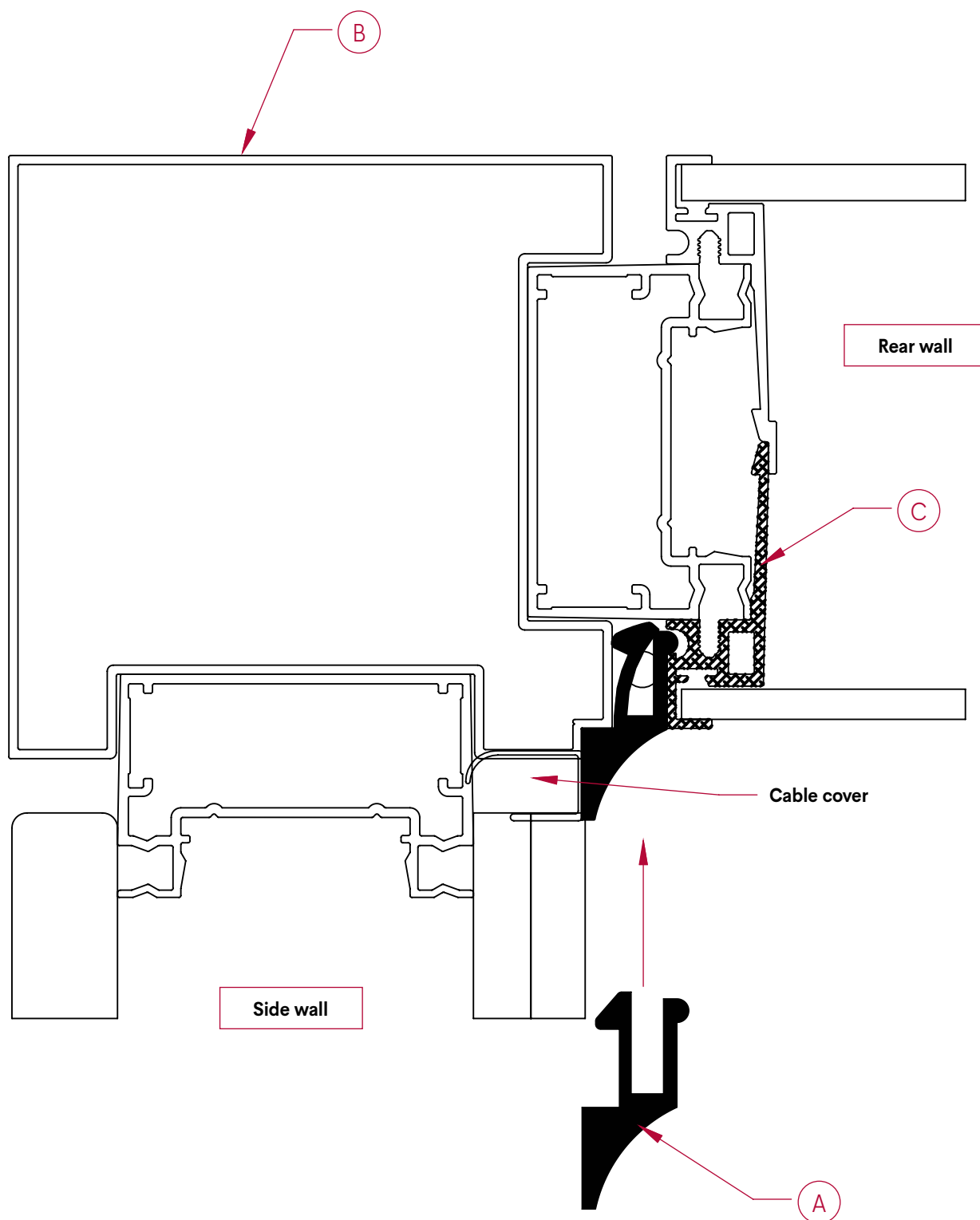
IMPORTANT:
Drawings are not
to scale with each
other.

Tools - *Required for assembly*

	Tools	Descriptions
	Drill	Impact driver drill
	#2 Square bit	Drill bit for 23-106-G1356 screws
	Pry bar	Small pry bar, useful for wall installation
	48" Level	Used for floor leveling
	Ø 1 1/8" Hole saw	Used for drilling 1 1/8" (47,5 mm) grommet holes
	Ø 2 1/2" Hole saw	Used for drilling 2 1/2" (64 mm) grommet holes
	Suction cup	Used for gripping and lifting glass or wall panels

Retaining clip - *Clip installation*

- 1 Insert clip (A) into the gap between the rear support (B) and rear glass wall's YC5 (C).

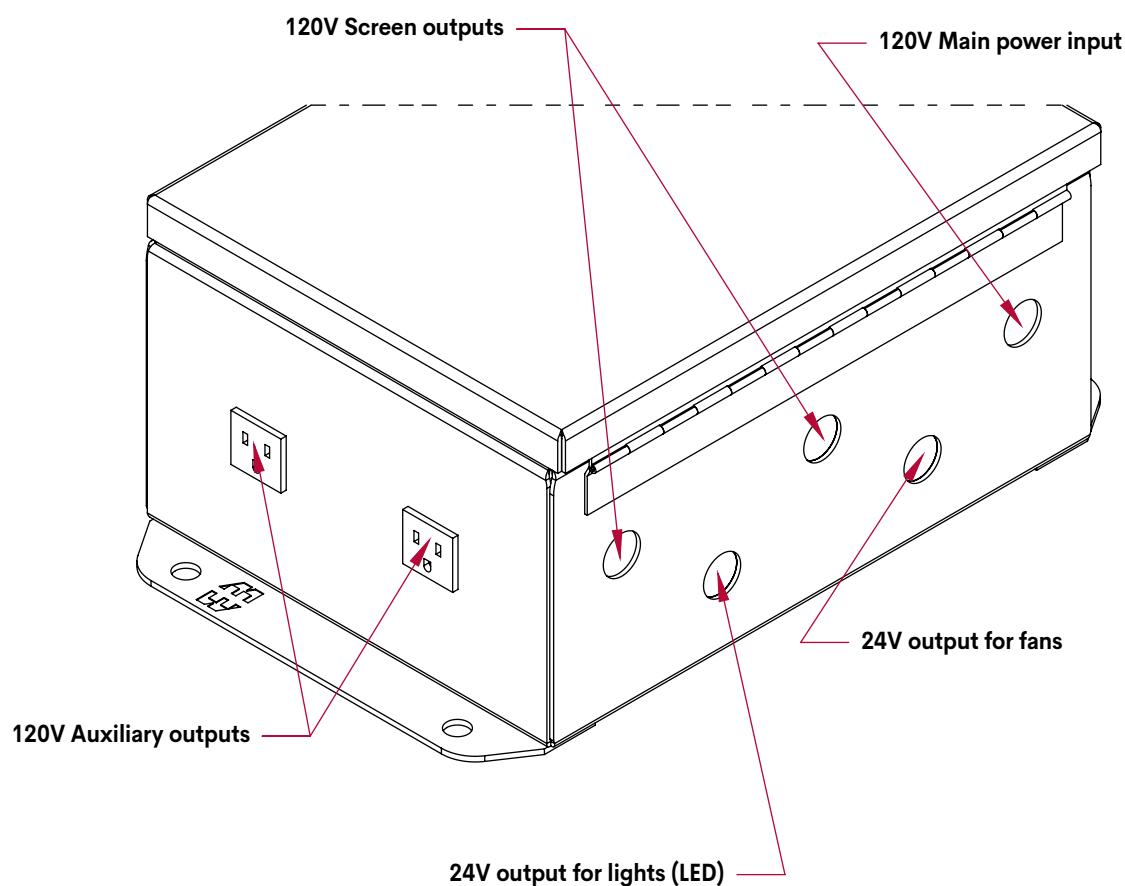


Power supply- *Descriptions of connections*



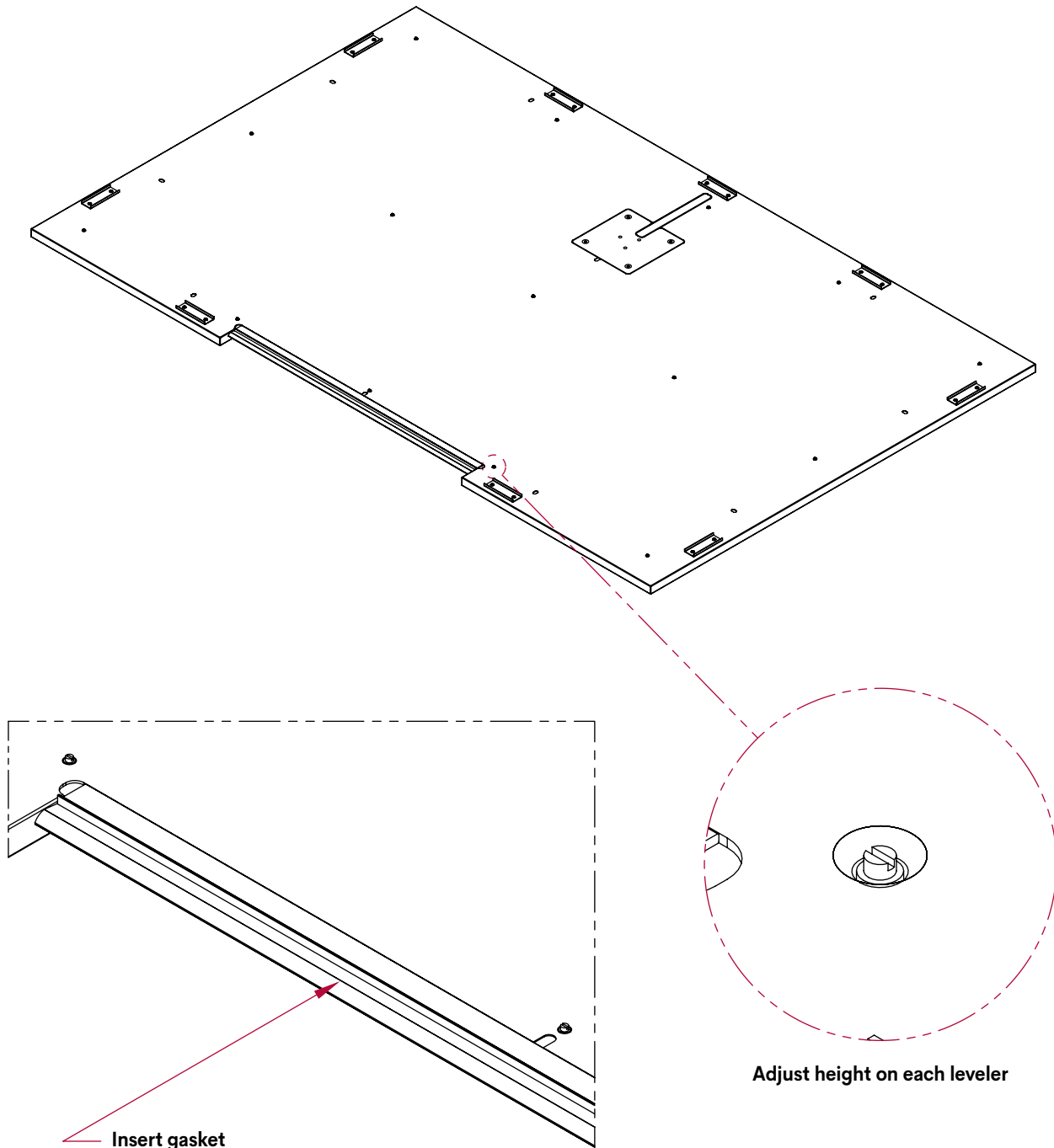
WARNING:

The power supply is always located at the rear of the Mute Box.



Floor - *Leveling*

- 1 Level the floor using the integrated levelers. **The top of the leveler must be even with the top of the highest part of the floor.**
- 2 Insert gasket if not already installed.



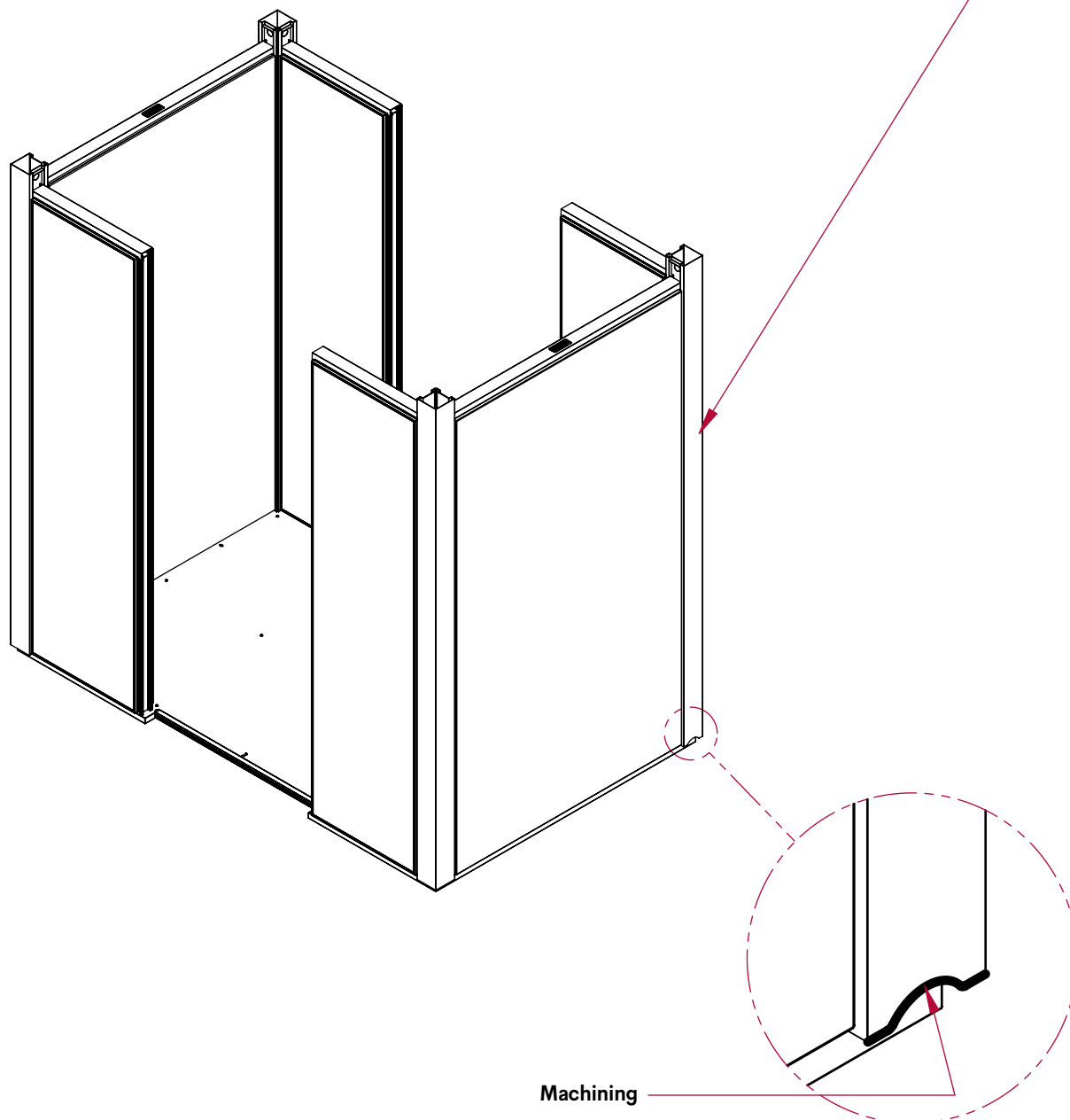
Frame - *Steps overview*

- 1 Assemble left side of the frame, see p. 11 to 14.
- 2 Assemble right side of the frame, see p. 15.
- 3 Install additional Y39 (x2) and Y27 extrusions, see p.16.



WARNING:

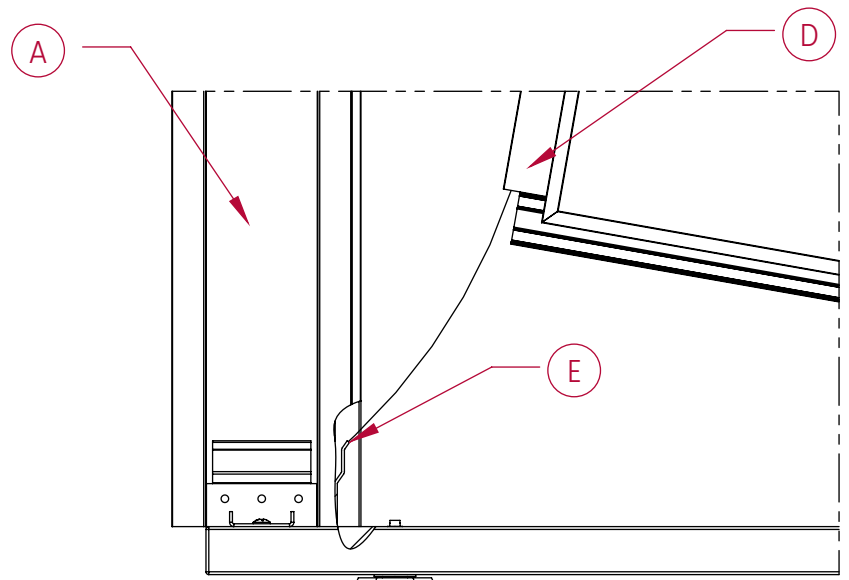
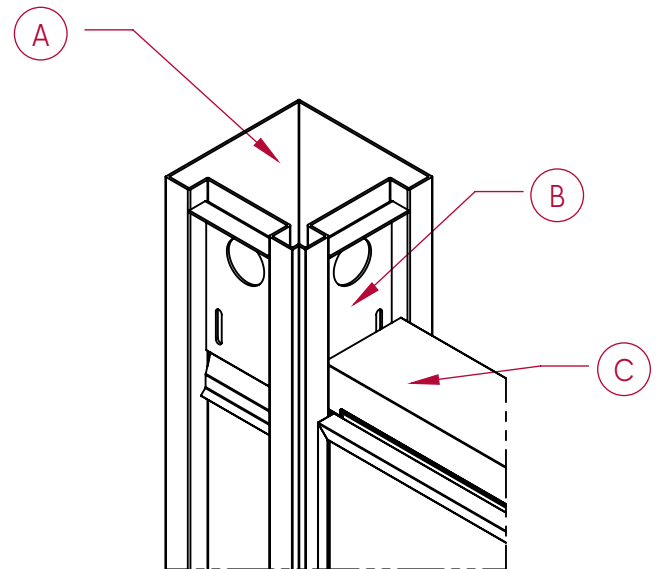
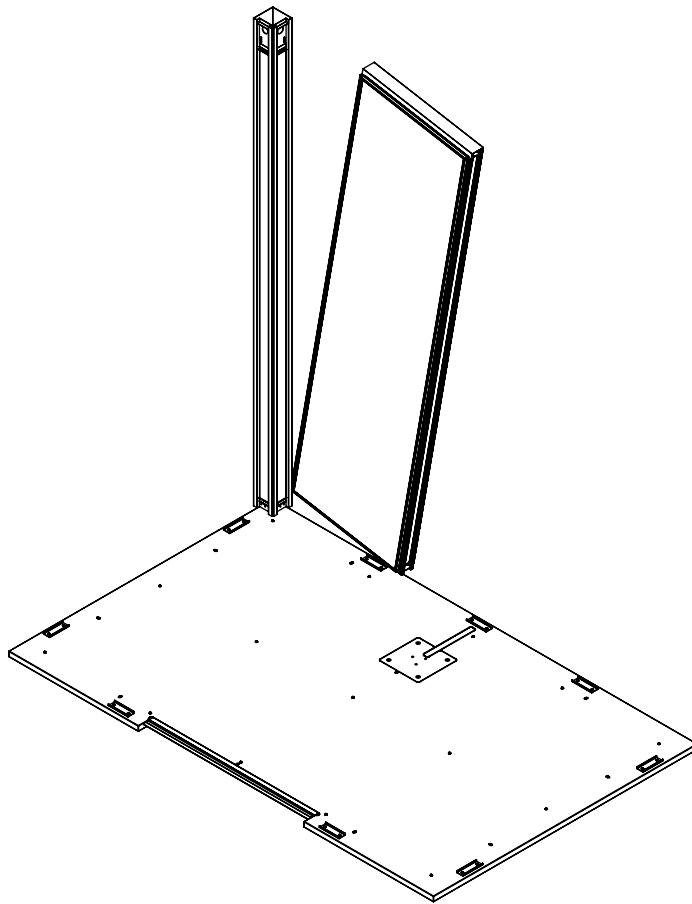
Machined post must be installed at the rear of the booth and on the same side as the power supply.



Machining

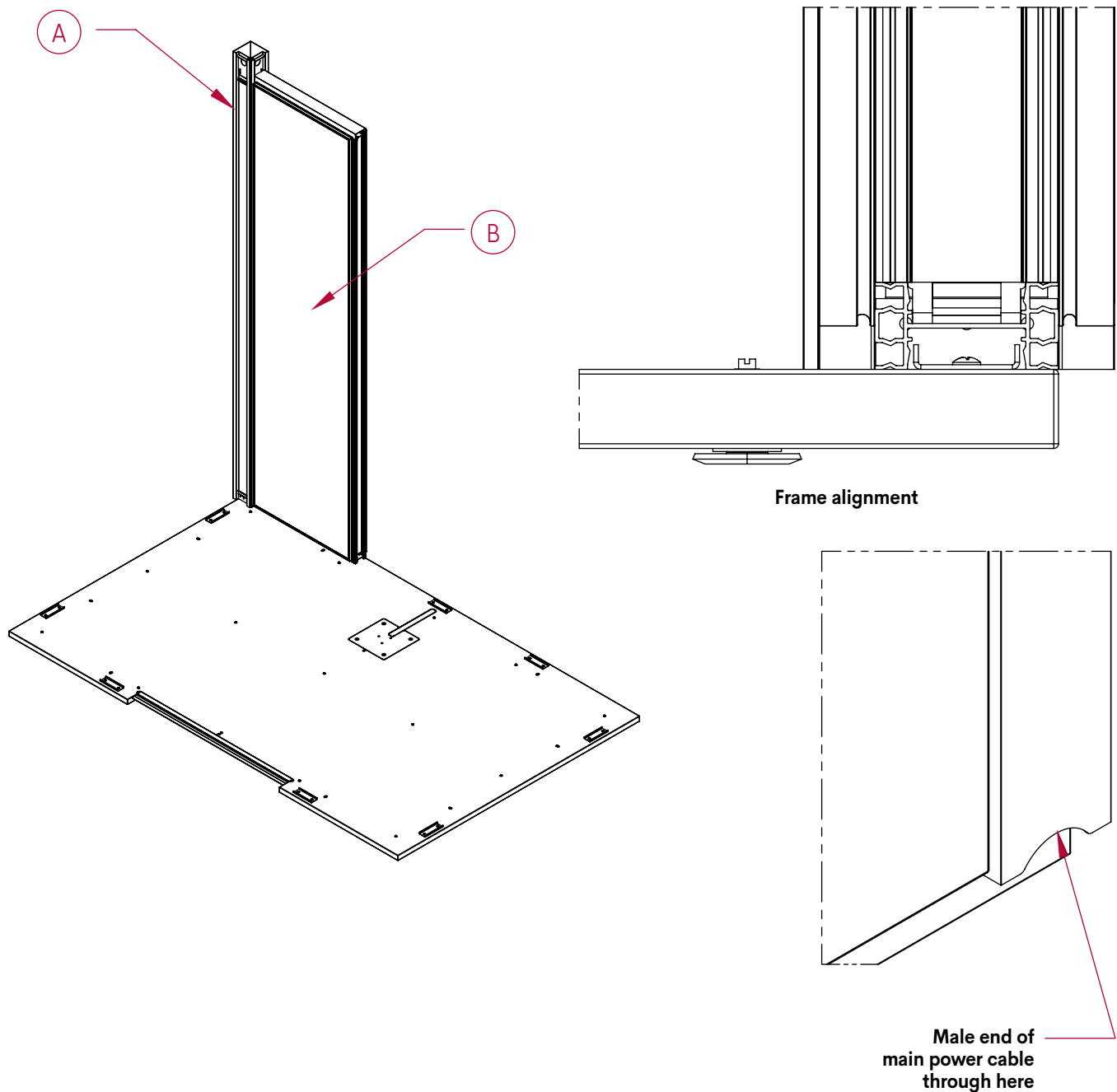
Assembly - *Frame/post assembly*

- 1 Slide the Y39 (D) between bracket (E) and post (A).
- 2 Lift top bracket (B) and slide frame (C) into post (A). Slide bracket (B) down.



Frame - *Back left wall frame*

- 1 Run the main power cable through post (A) on the back right side of the booth.
- 2 Install rear left frame (B) and align with locators on the floor.
- 3 Frame is inserted into Y31 (A) slot as illustrated below.



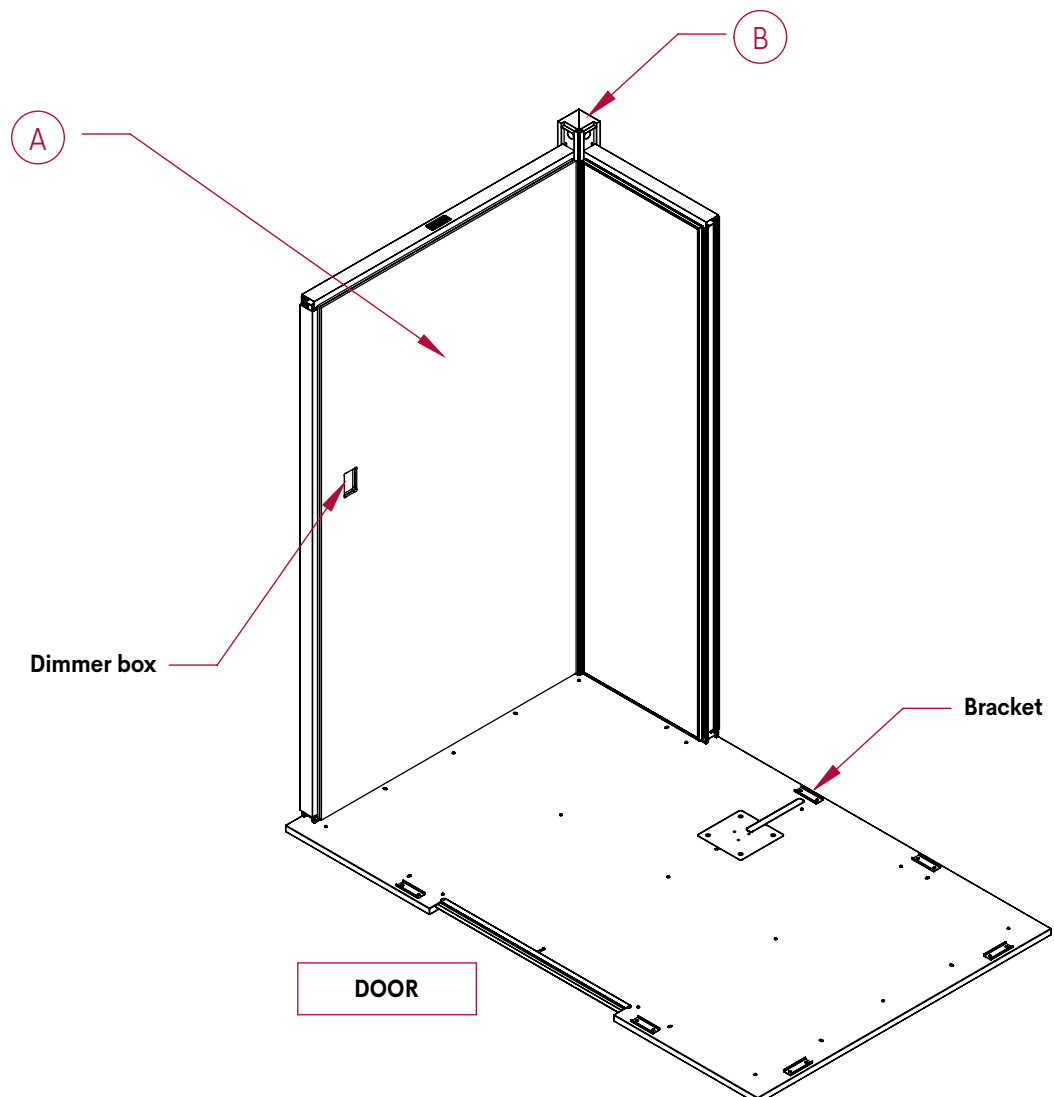
Frame - *Left wall frame*

- 1 Install left wall (A) onto post (B) by aligning it on the brackets.
- 2 Refer to *SCREEN WALL MOUNT*, see p.31 for screen mount installation, if applicable.



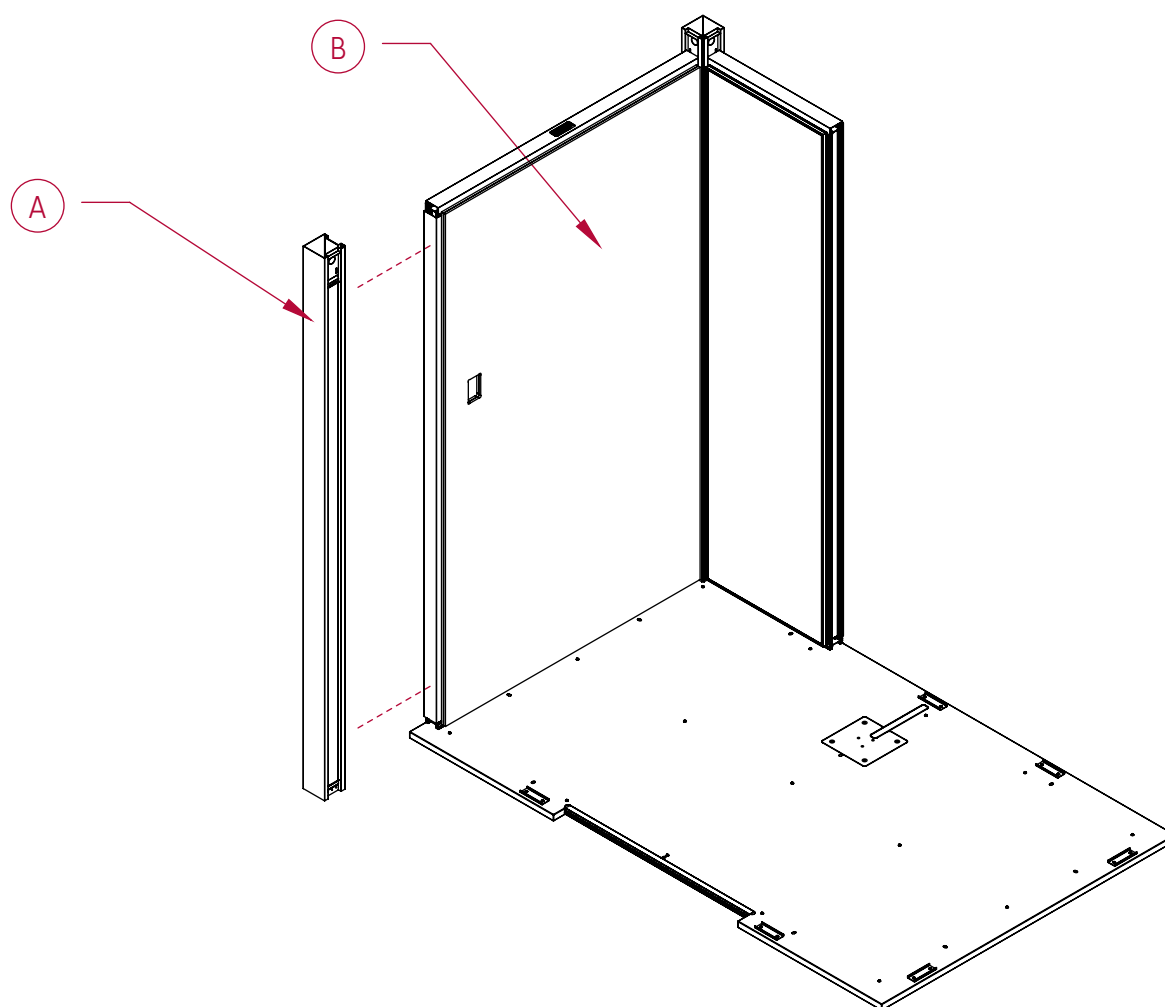
WARNING:

Dimmer box must be located on the same side as the door (at the front).



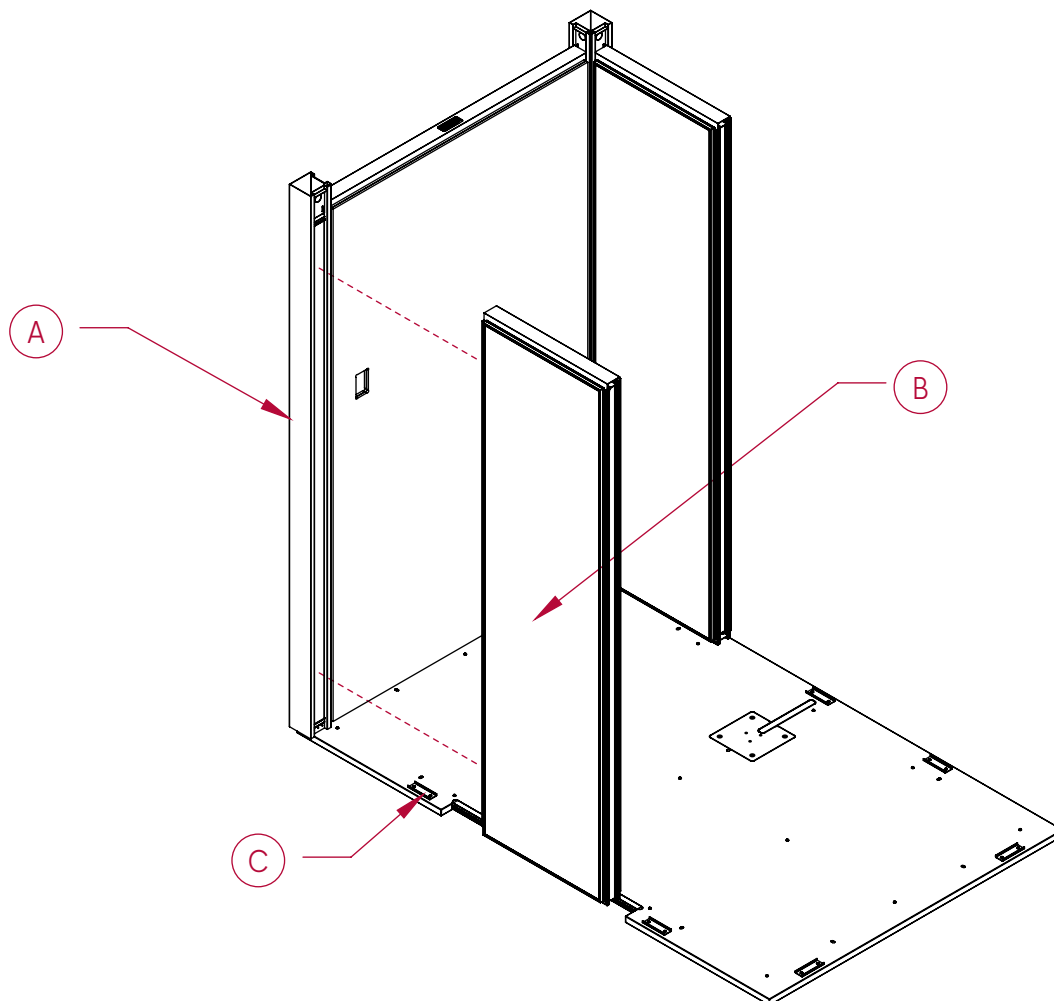
Frame - *Front left post*

- 1 Install post (A) by lifting left wall (B) thus allowing insertion of bracket post inside Y39 of the left wall.



Frame - *Front left wall frame*

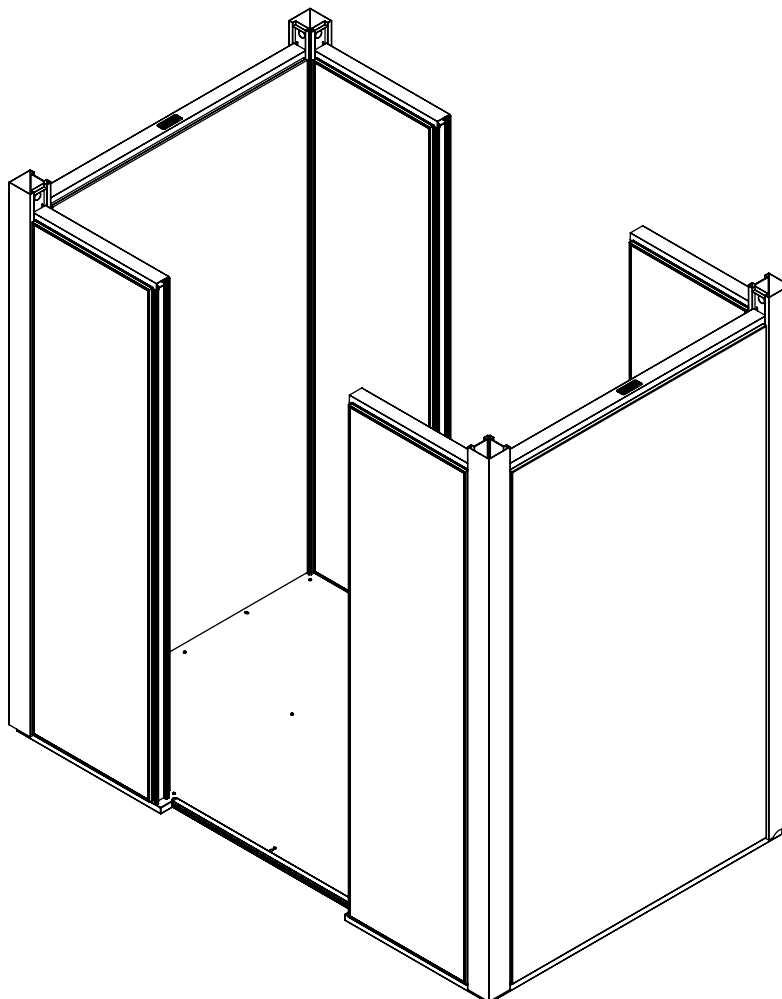
- 1 Install front left wall frame (B) into post groove (A) slot by placing it on the bracket (C) to align it.



Frame - *3 right walls installation*

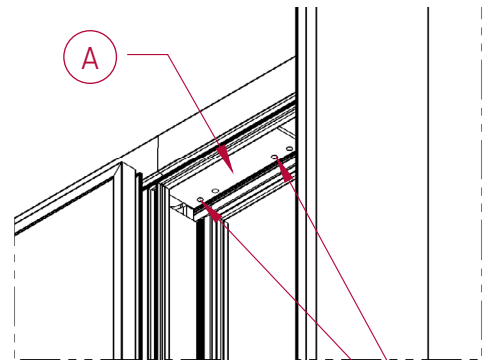
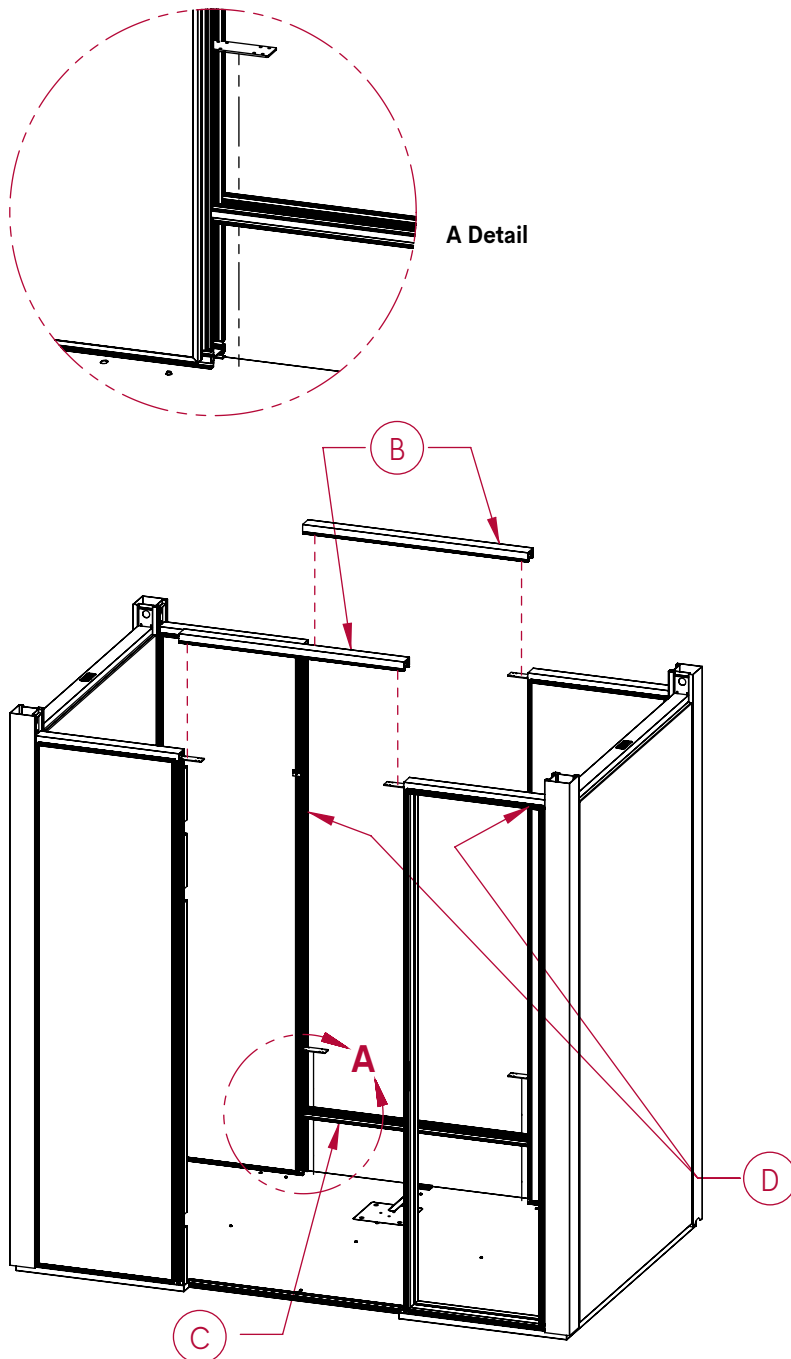
1

Repeat steps from p.11 to 14 to assemble right side walls of the Mute Box frame.

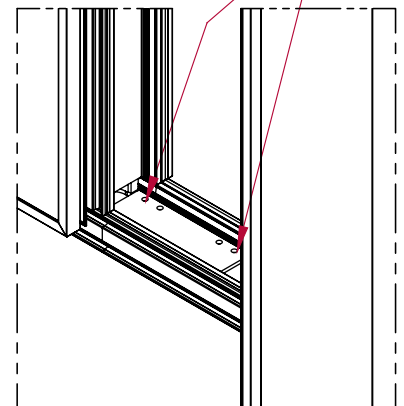


Rear center glass - Y39 and Y27 additional installation

- 1 Remove (unclip) glass panes from the rear center wall.
- 2 Unscrew joining plates (A) from Y27 extrusion (C) and both Y39 extrusions (B).
- 3 Install the Y27 (C) on the floor and screw its joining plates (A) to the Y27 (D) fitted to the left and right rear walls.
- 4 Screw both Y39 (B) to the left and right rear walls, from the top, using their joining plates (A).

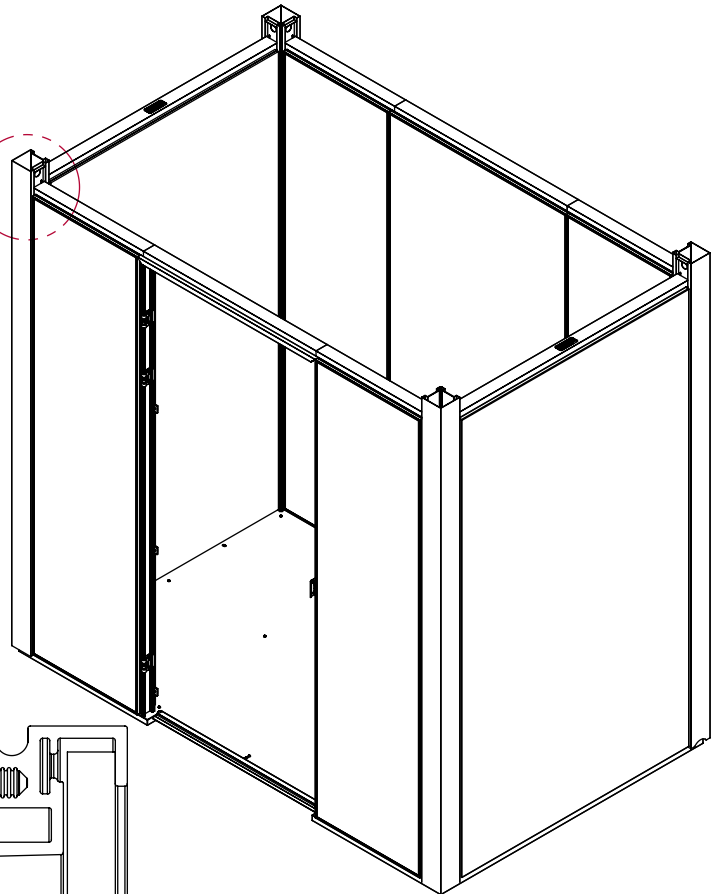
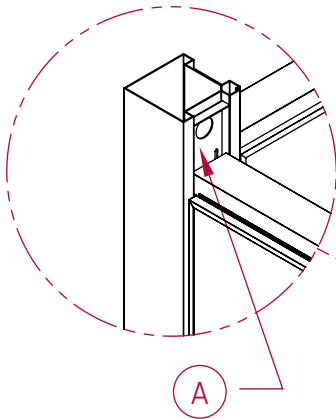
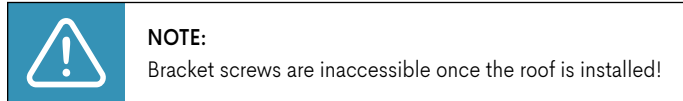


Screw
(2 screws per side of plate)

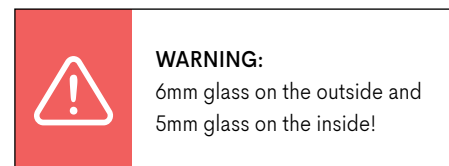
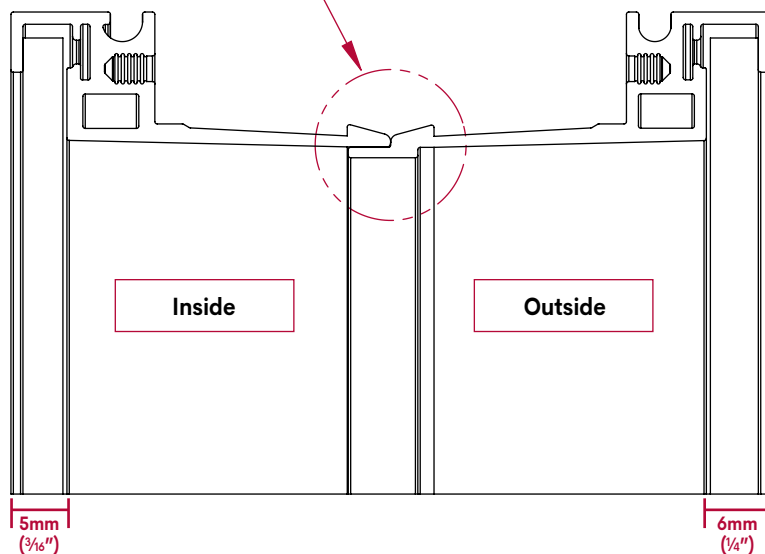


36" Glass - *Reinstall back center glass panes*

- 1 Reinstall both 36" glass panes. **Wash and wipe clean the interior of the glass frames before reinstalling them.**
- 2 Check that the main structure is sturdy and straight, then fasten all brackets (A) to finalize frame assembly.

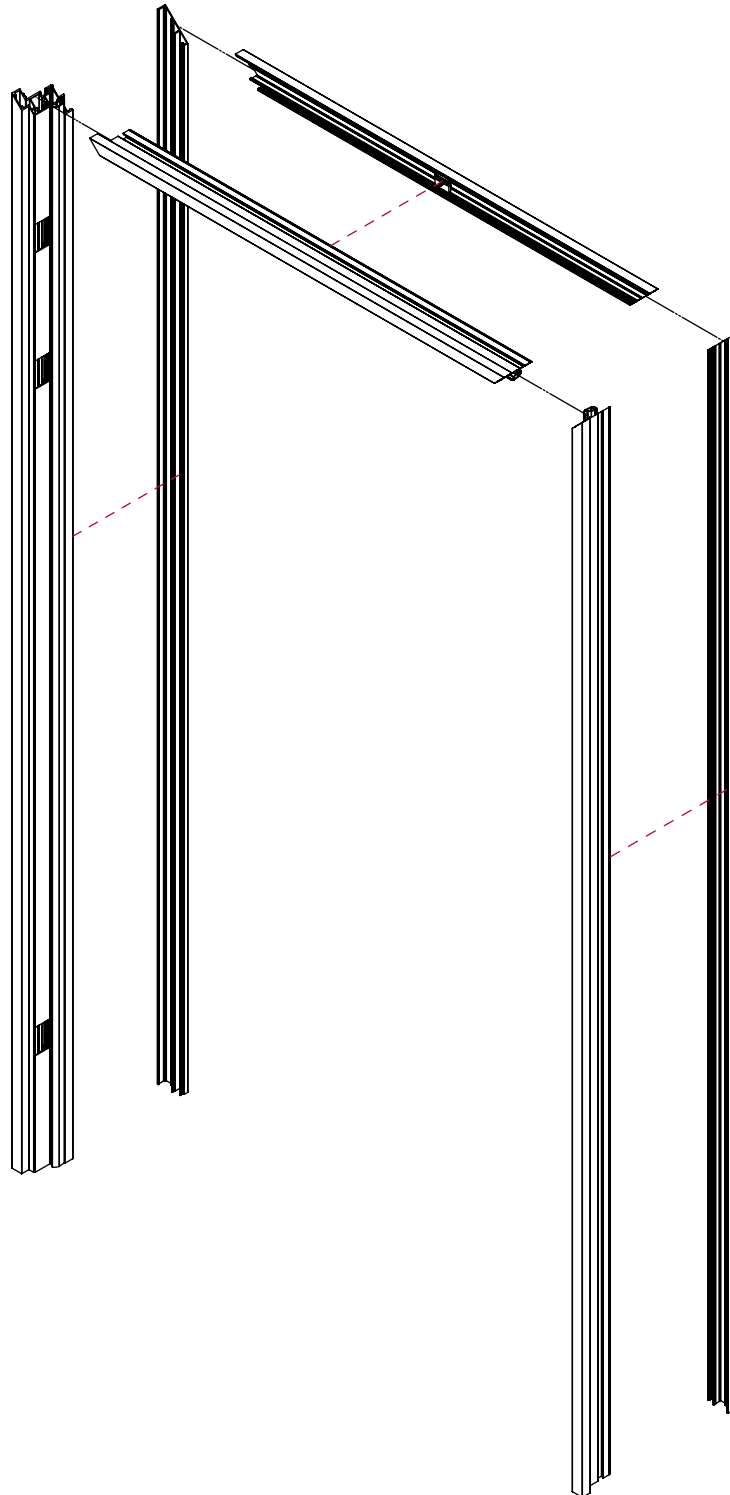


Extrusions must be in this position for the glass to be positioned properly.



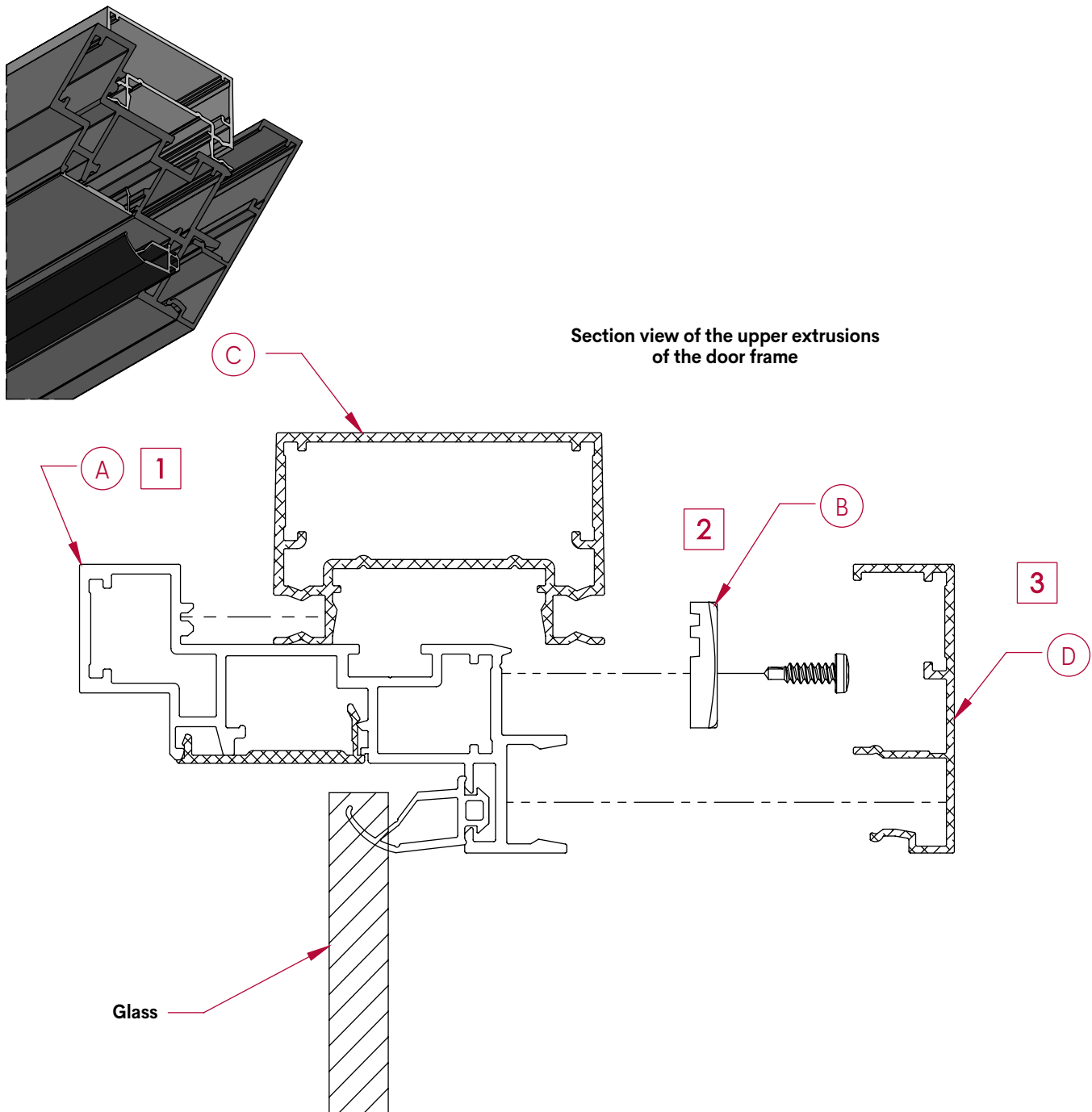
Door frame - *Frame assembly*

- 1 Have a Q812 hardware bag in hand.
- 2 Assemble all 3 parts of the frame using the extrusion brackets provided.



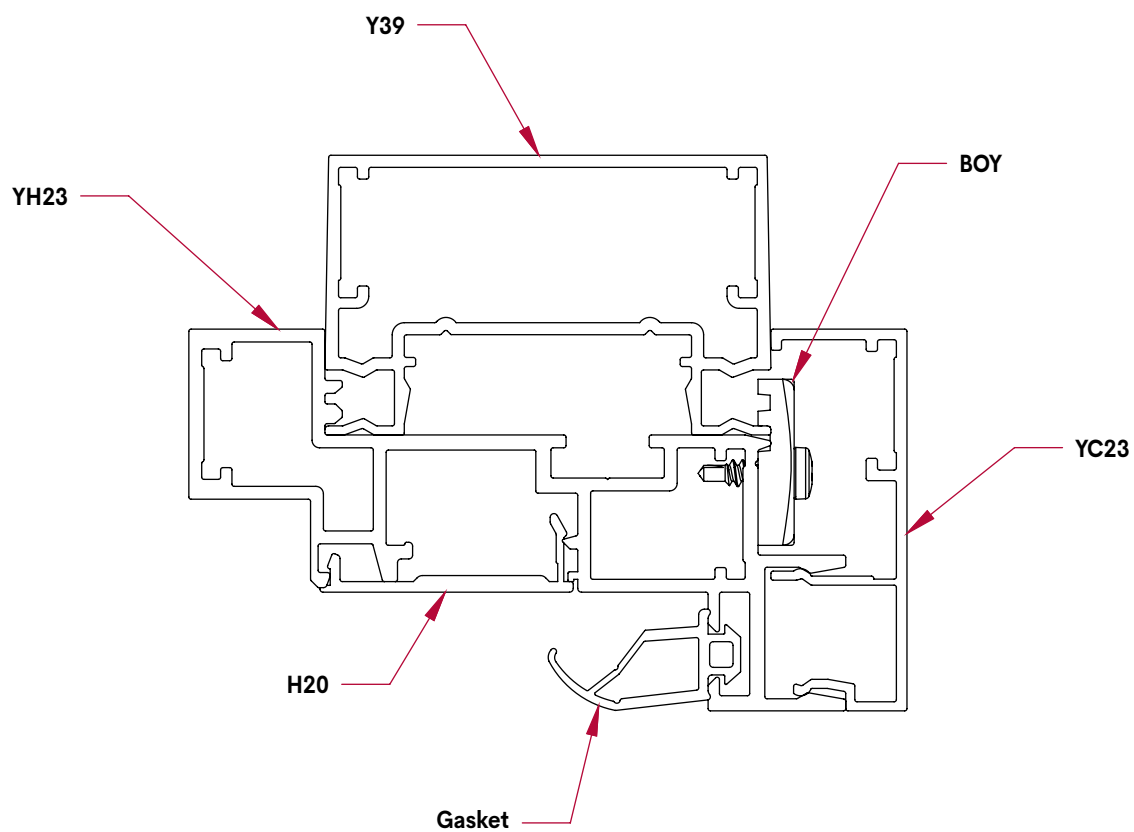
Door frame - *Door frame installation*

- 1 Have a Q812 hardware bag in hand.
- 2 Rest the YH23 frame (A) against the outside of the Mute Box.
- 3 Screw the BOY's (B) as illustrated to attach YH23 (A) to Y39 (C) (or Y27, as required). Use 4 BOY's per side and 2 for the top part of the frame (distributed evenly).
- 4 Clip all YC23 (D) to all the YH23 (A) all around the frame (finishing).



Door frame - *Assembled frame*

Section view of the assembled frame



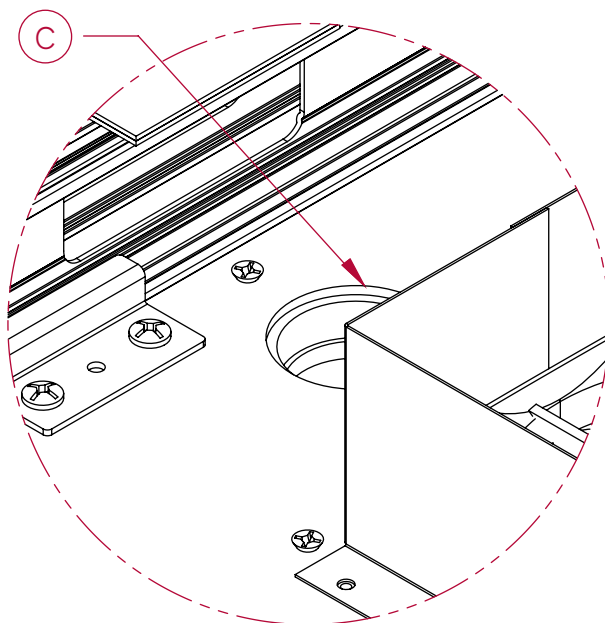
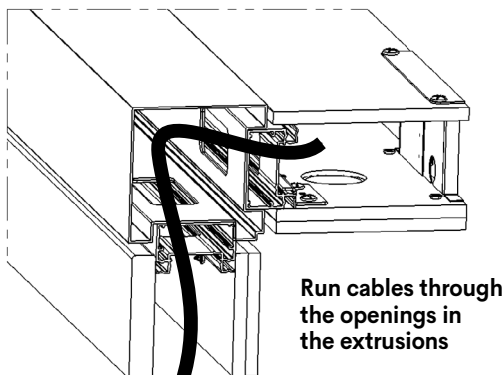
Ceiling - *Ceiling installation*

- 1 Place the assembled ceiling on top of the structure.
- 2 Make all power connections in the ceiling; **black connectors for ventilation and white connectors for lighting**.
- 3 Run 120V cables for screens through grommets in the ceiling (C) intended for this use on each side of the booth. Do this only for walls where a screen mount is present.
- 4 Install post covers (A) (3x corners). The 45° cut cover (B) is installed on the post near the power supply.
- 5 120V outlets can be left in the exterior screen mount basket (see *SCREEN WALL MOUNT*, see p. 31).

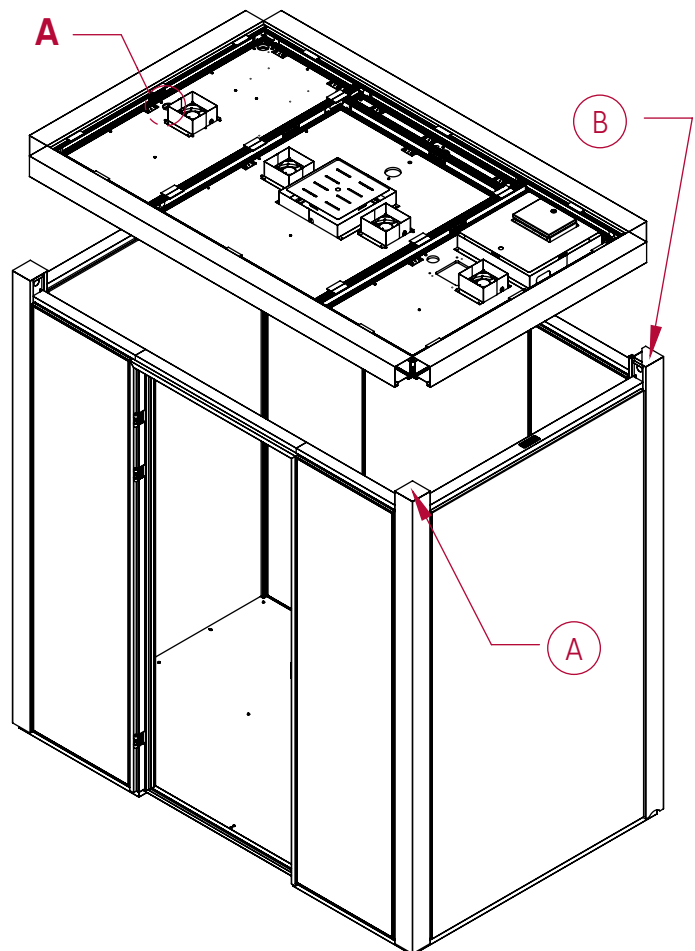


WARNING:

Run wall cables through Y31 on each side of the structure. Be careful not to damage them.

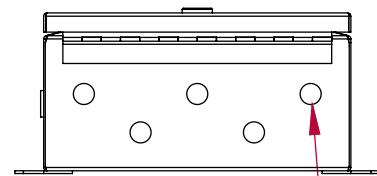
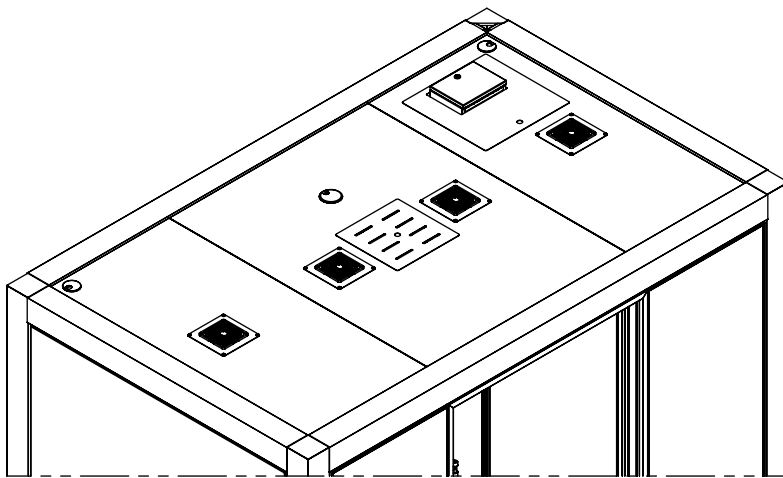


A Detail

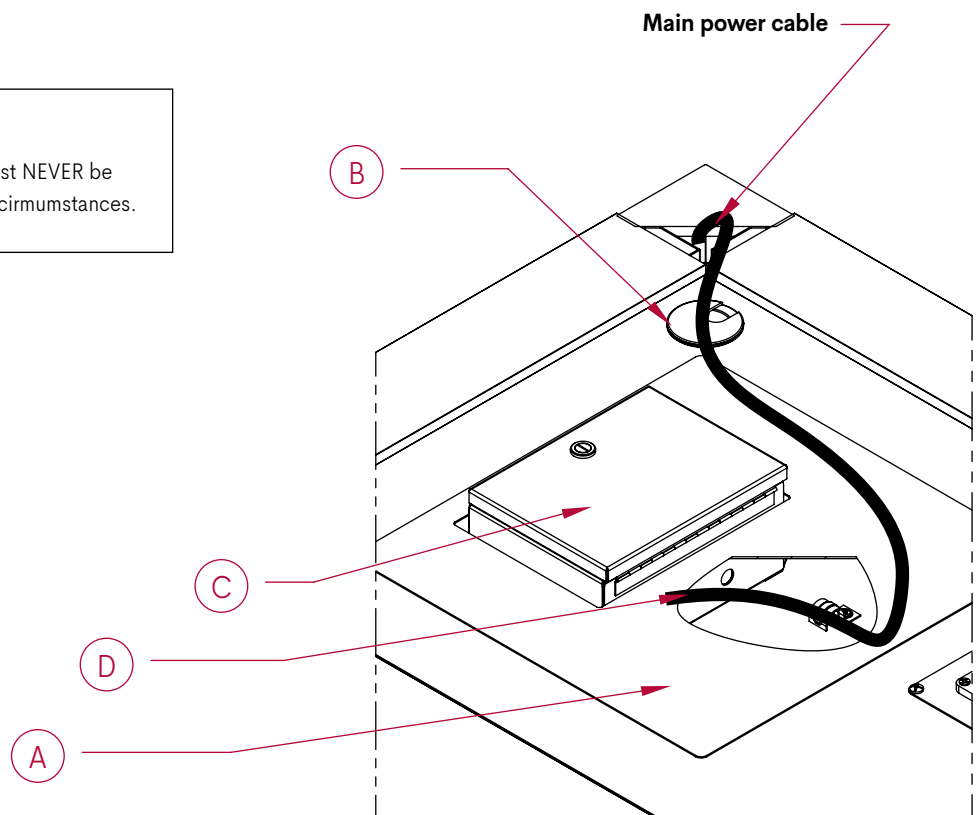
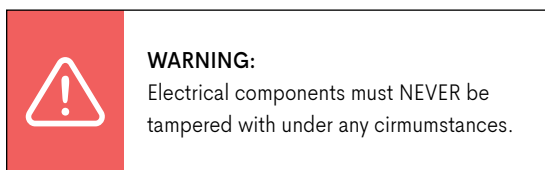


Ceiling - T.F.L. tiles & electricity installation

- 1 Reinstall T.F.L. ceiling tiles in their respective slots.
- 2 Remove cover (A), then run main power cable through corresponding grommet (B) and connect it to main inlet of the power supply (C).
- 3 Fasten cable tie (D) onto the main power cable to secure it. Replace cover (A).



120V Inlet



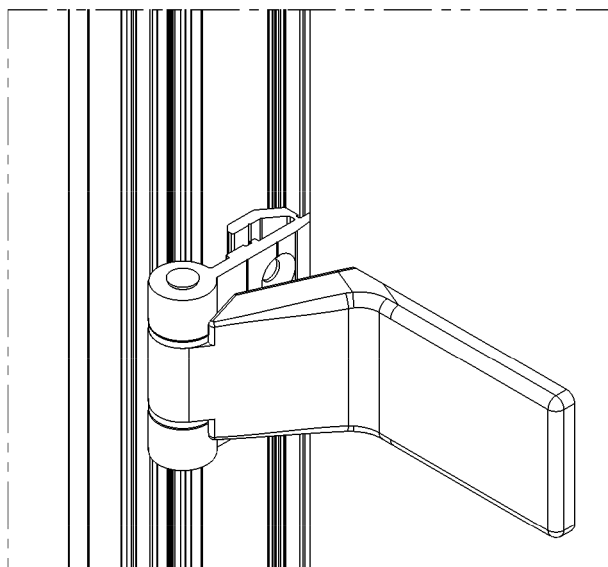
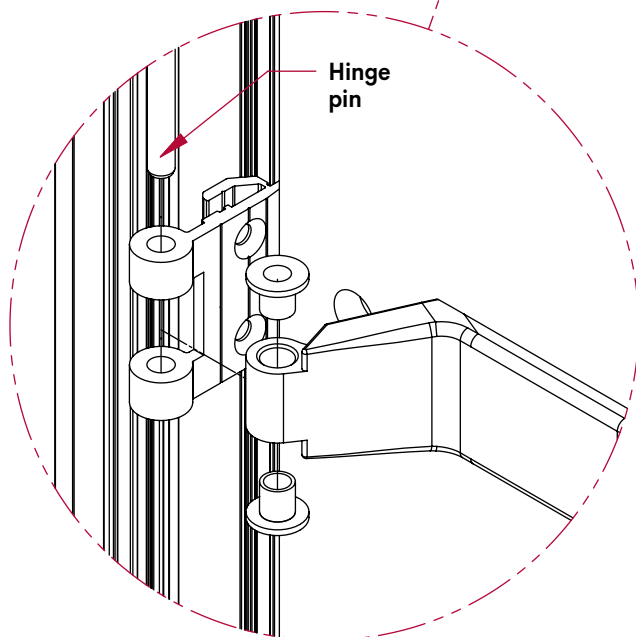
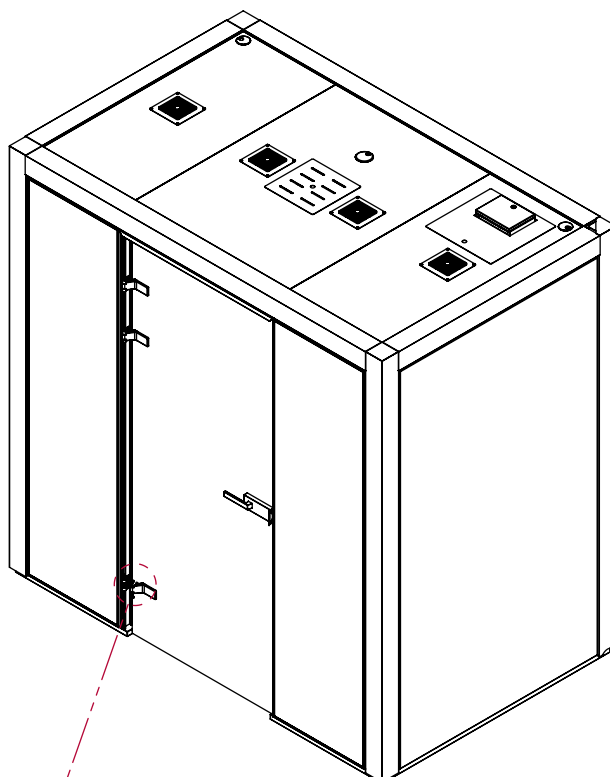
Glass door- *Glass door installation*

- 1 Install and adjust glass door using parts from the Q812 hardware bag.



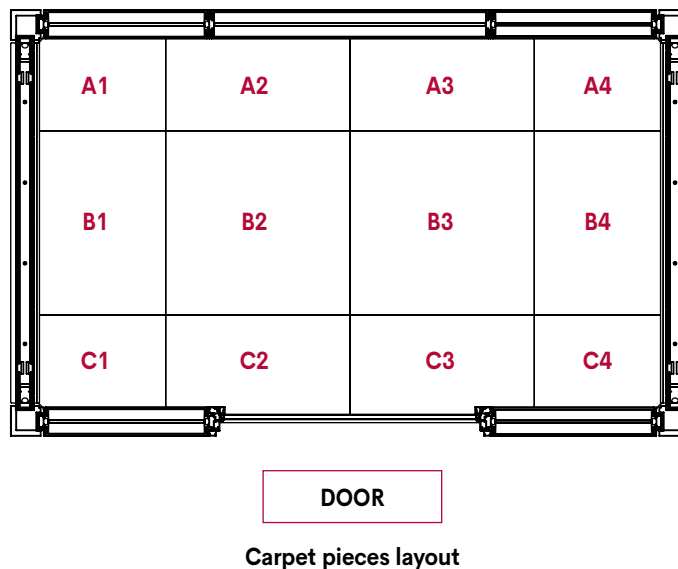
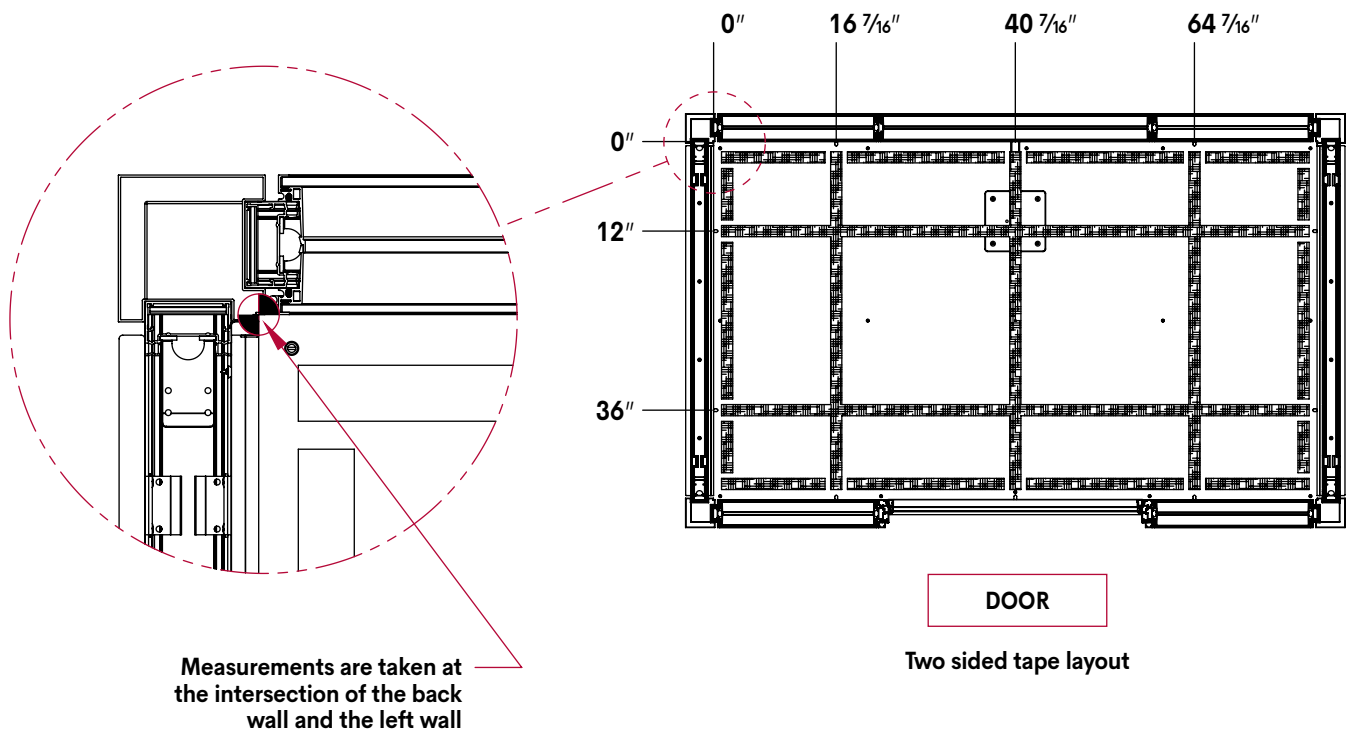
IMPORTANT:

Before proceeding any further, check the door and floor level to locate any alignment problems that may have arisen.



Carpet - *Carpet installation*

- 1 Stick two sided tape according to the layout presented below.
- 2 Install carpet pieces according to layout illustrated below. Start with row C in order to correctly position the carpet with the door seal.



Electrical tests - *Verifications*

1 Check light dimmer for any malfunction.

2 Check fan dimmer for any malfunction.

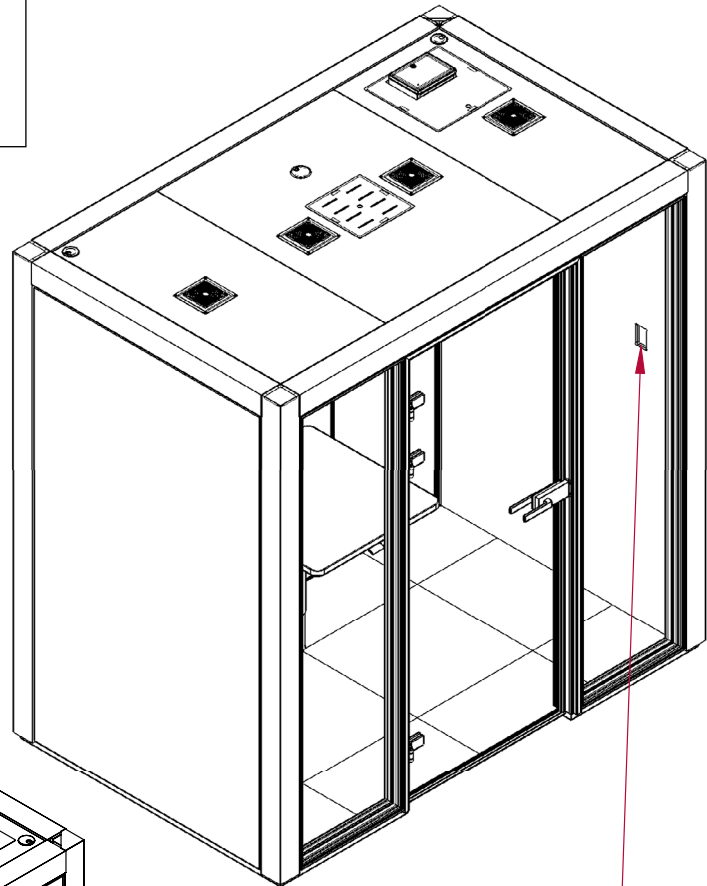


WARNING:

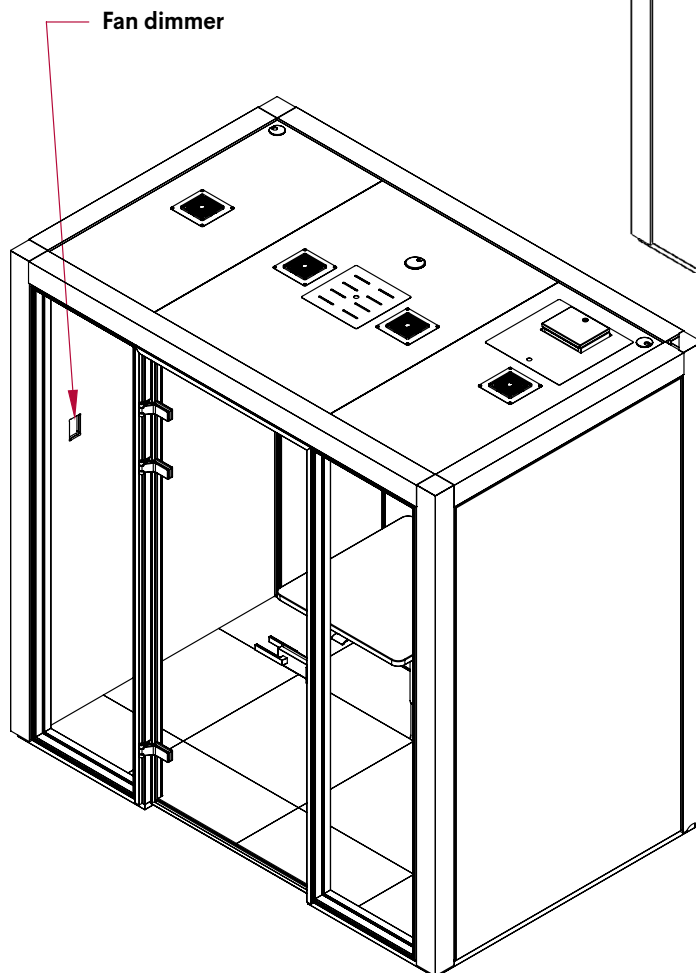
* Light dimmer is on the handle side.

* Fan dimmer is on the other side.

Always install light dimmer on the same side as the door handle.



Light dimmer



Fan dimmer

Table assembly - *Post / surface assembly*

- 1 Align 4 holes (A) of the base with the 4 pre-drilled holes (B) located under the surface.
- 2 Screw base and control handle (C) aligning with pre-drilled holes (D) located under the surface.
- 3 Fasten 6 screws (E) in the pre-drilled holes indicated in steps 1 & 2.

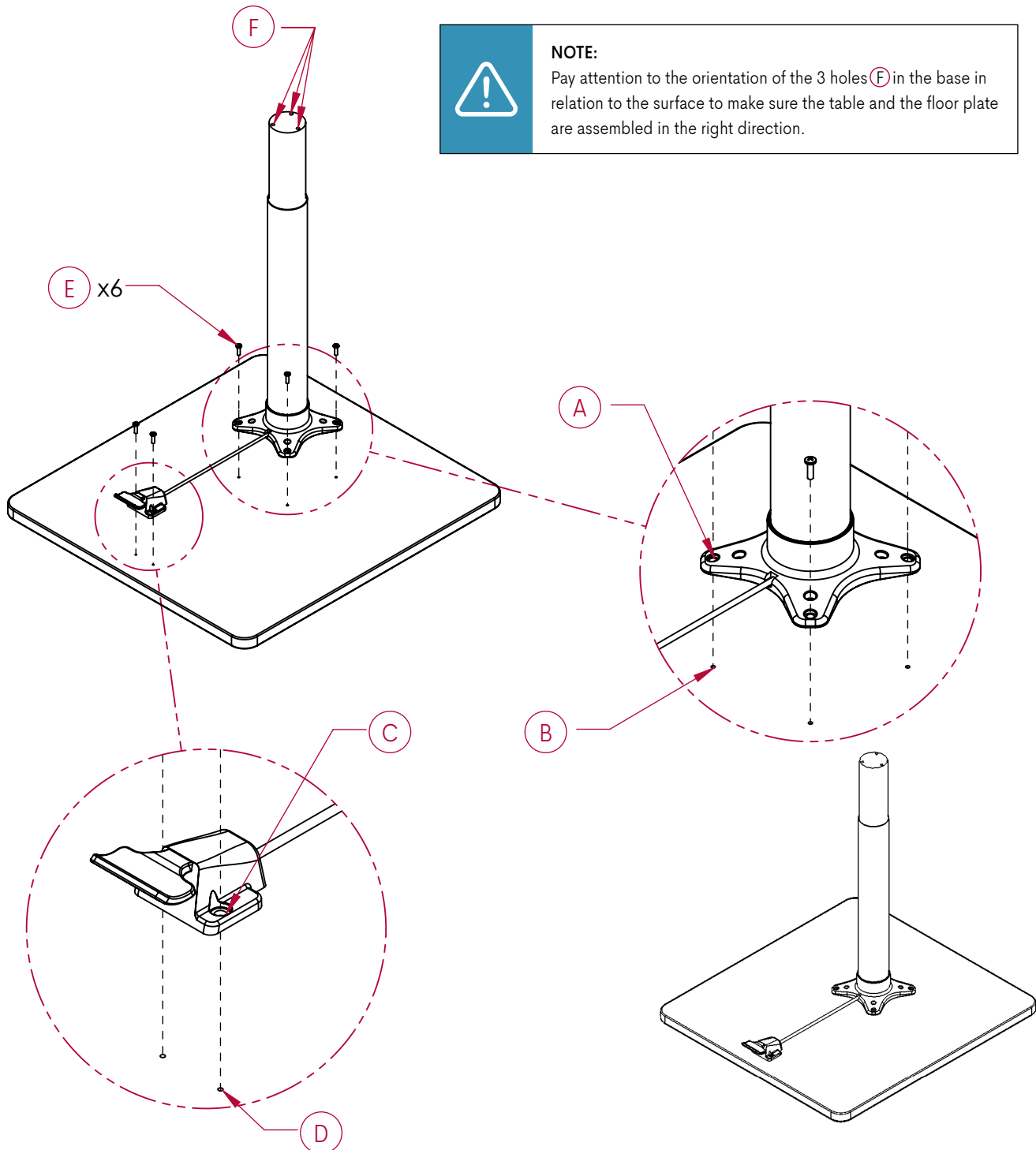
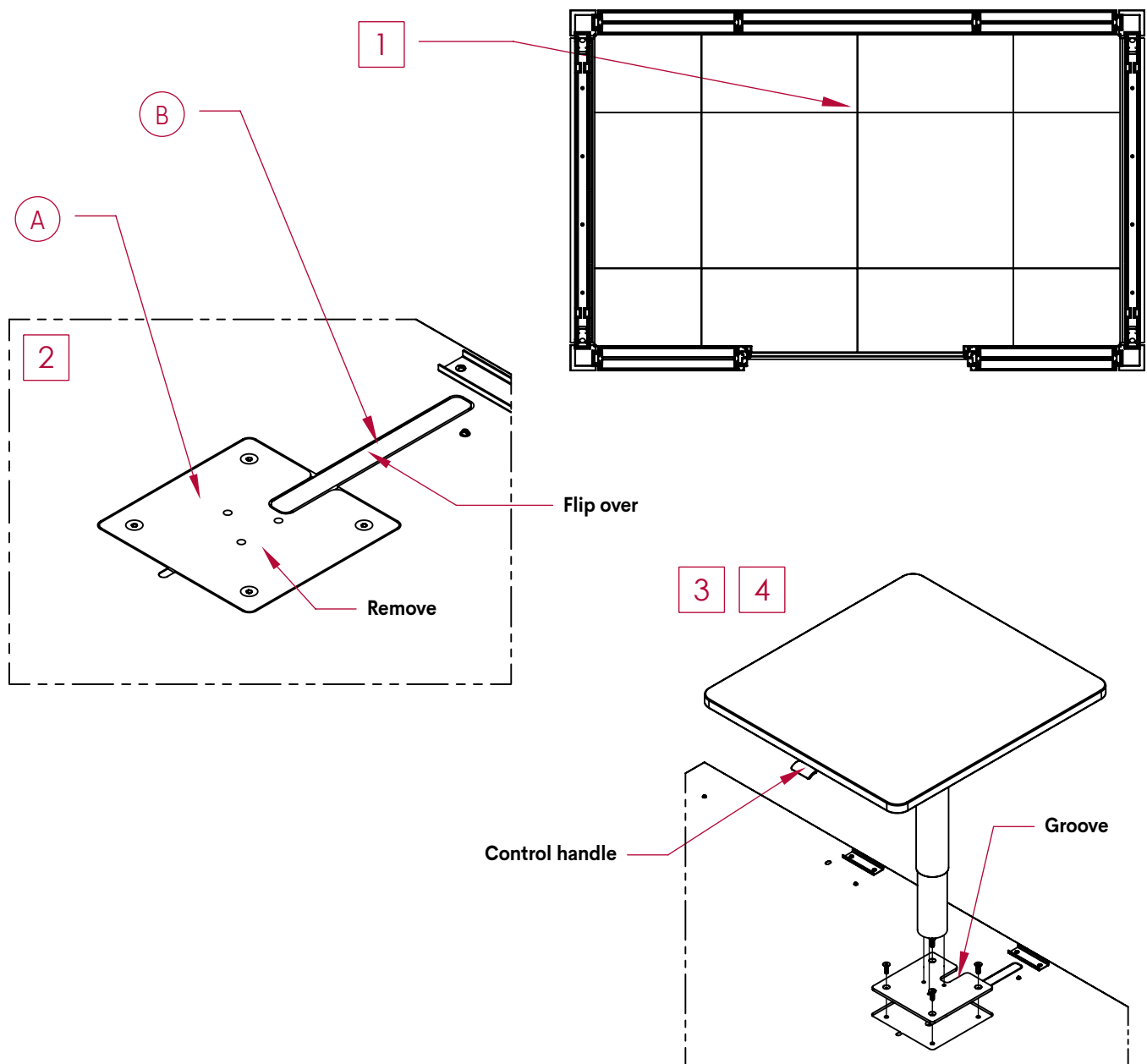


Table installation - *Ground installation*

- 1 Cut carpet at the designated area to create a space where the table base will be installed.
- 2 Unscrew and remove cover (A). Flip over cable gutter (B).
 - Allen key $\frac{3}{16}$ " (4x plate screws).
 - Allen key $\frac{5}{32}$ " (3x table screws).
- 3 Screw table base to the cover using 3 screws included. **The groove on the cover must be located opposite to the control handle under the surface.**
- 4 Reinstall and screw cover/table assembly to the floor. Replace the carpet.



Wiring - *Drilling holes for grommets*

**WARNING:**

Follow these steps as required (not all grommet holes may be drilled).

1

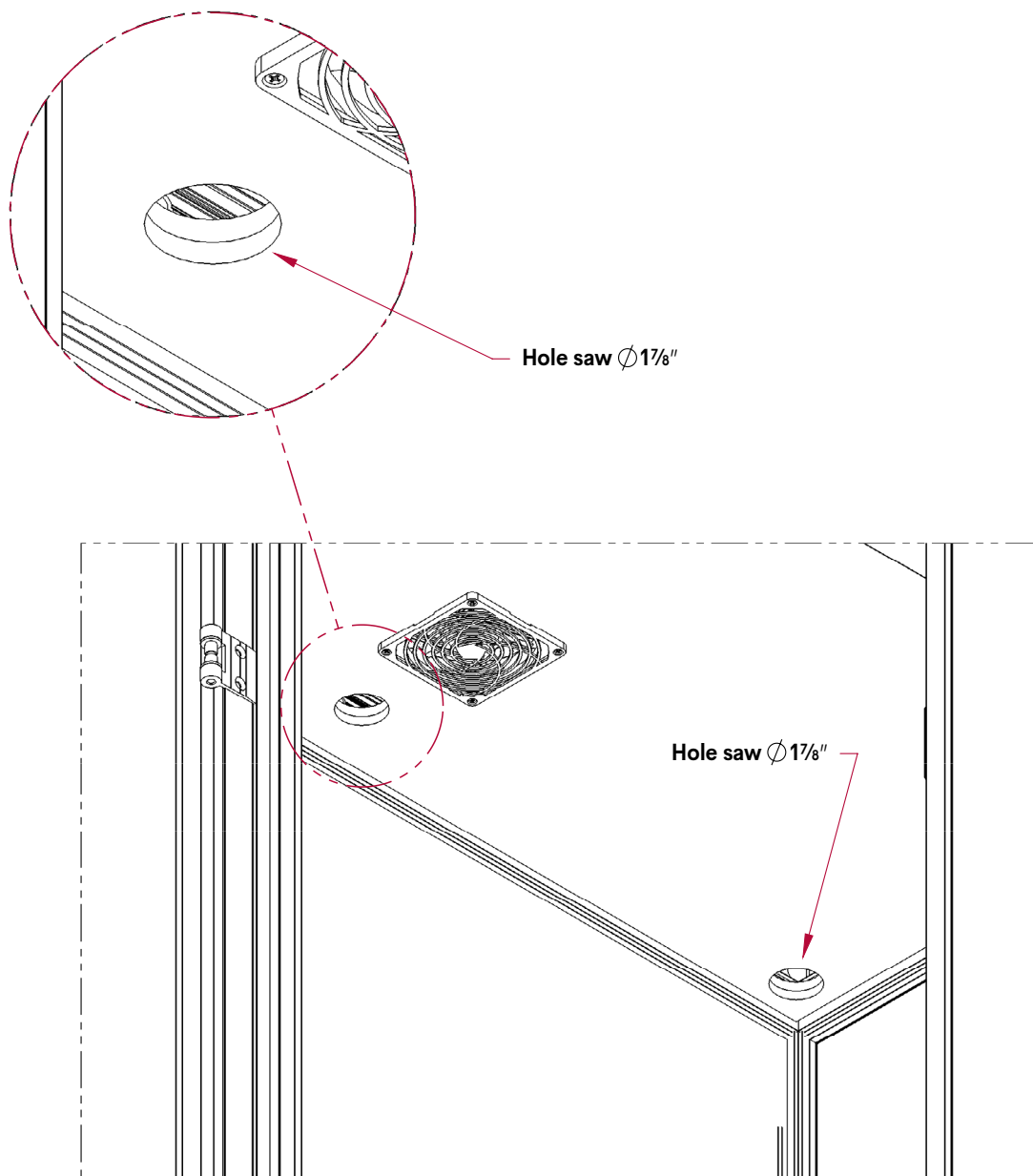
Drill a center hole in the ceiling from the outside of the booth by using the hole in the T.F.L. as a guide.

2

From the inside of the booth, drill the 1 7/8" hole using the pre-drilling done in step 1.

3

Install the grommet(s).



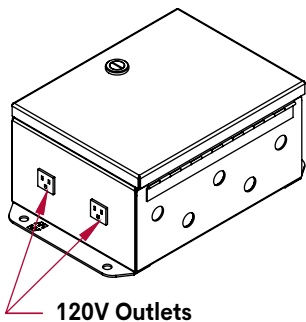
Wiring - Booth wiring

- 1 **Power cable:** Route cable between the rear wall and the carpet, into the gap between the side wall **without a screen** and the rear wall (behind cable cover (A)), through the roof (corner grommet (D)). Connect it to one of the 120V outlets of the power supply.
- 2 **HDMI:** Route cable between the rear wall and the carpet, into the gap between the side wall **with a screen** and the rear wall (behind cable cover (A)), through the ceiling (corner grommet (D)), and back down through center grommet (E).

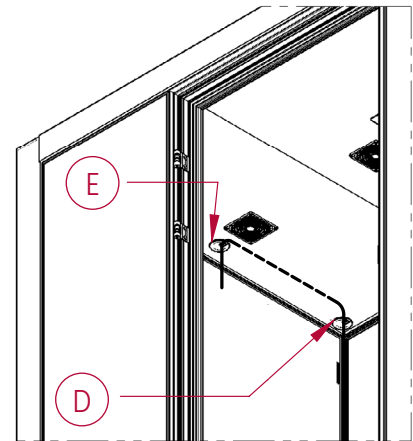
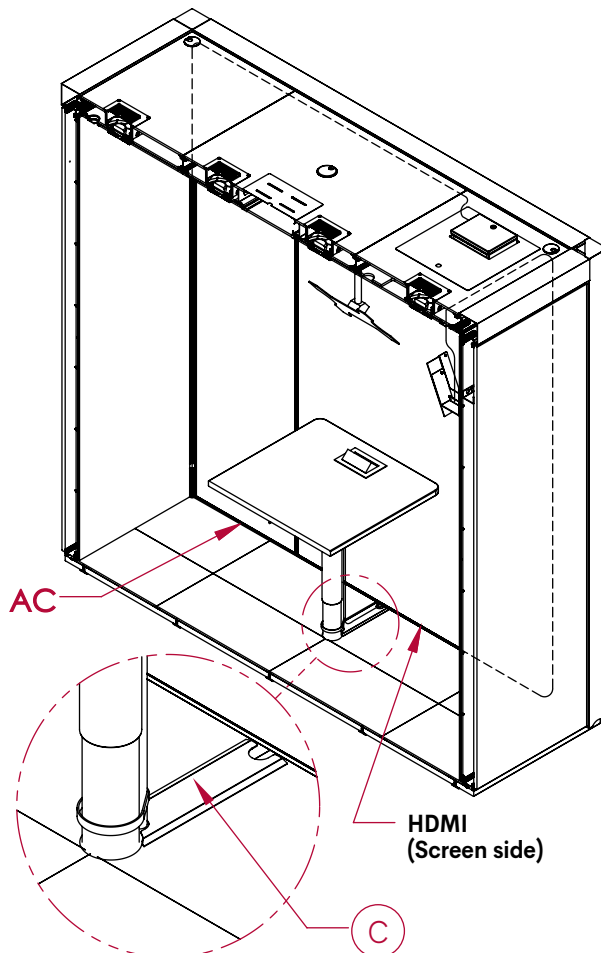


IMPORTANT:

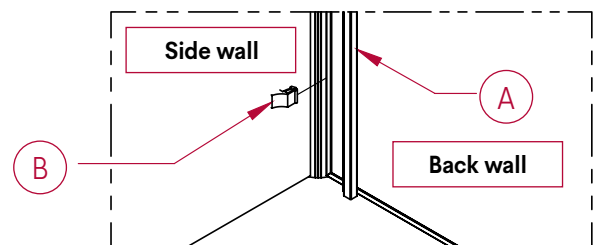
If 2 screens: HDMI on the same side as the power supply and AC on the other side.



- 3 **For screens:** Install cable sleeves ($\varnothing \frac{3}{4}$ ") on both the power cable and the HDMI cable coming from the ceiling once screen has been installed.
- 4 Install cable cover (A) and retaining clips (B) (2x per side).
- 5 Install cable cover (C) on the carpet using Velcro®.



Run through the corner grommet, then the ceiling, then the center grommet



WARNING:

See hardware box for parts.

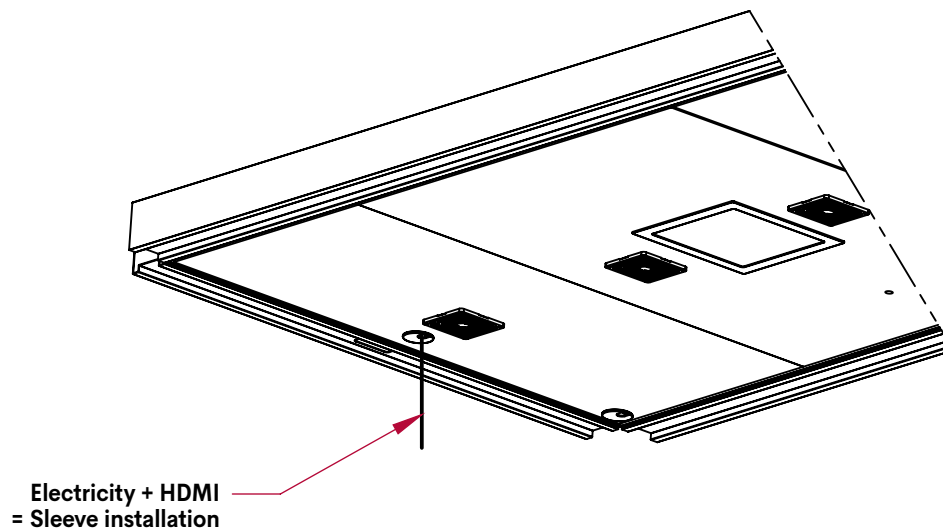
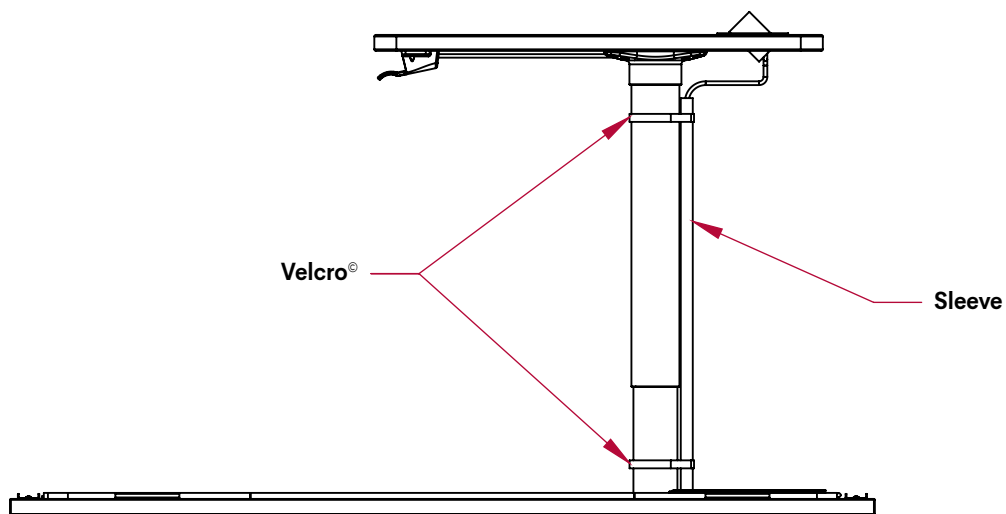
Wiring - *Wiring finish*

1

Install cable sleeves Ø ¾" around both multi-outlet cables running along the table base. Fasten the sleeves to the base using Velcro® strips. **Provide enough length to the cable to ensure that the table can be adjusted to its highest position.**

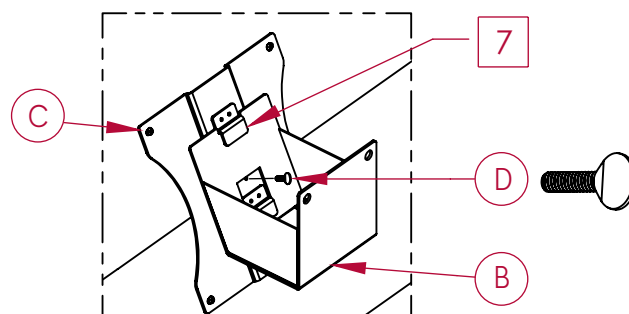
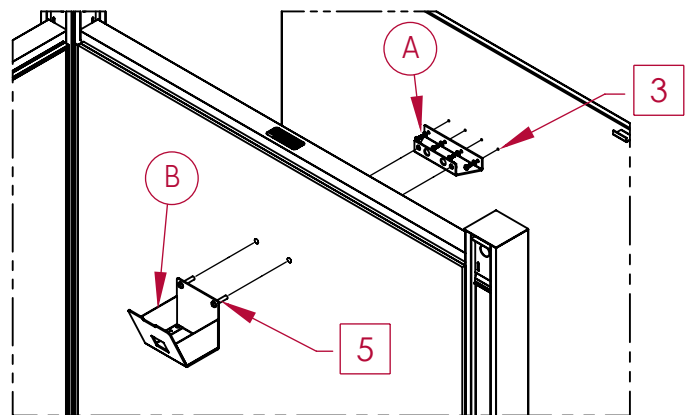
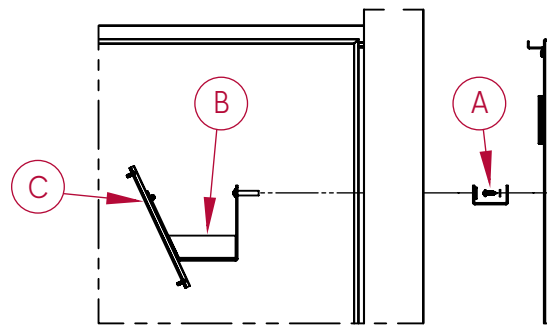
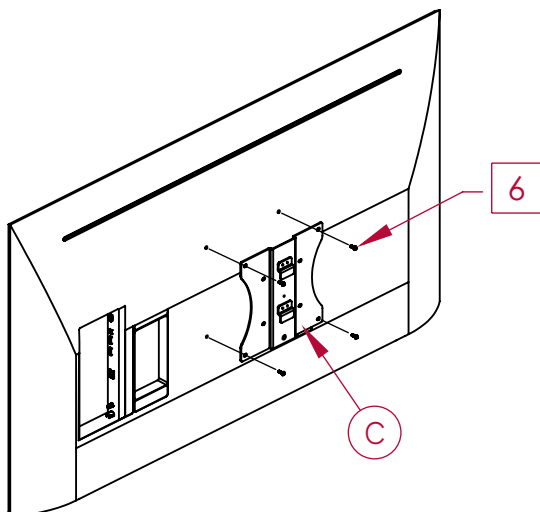
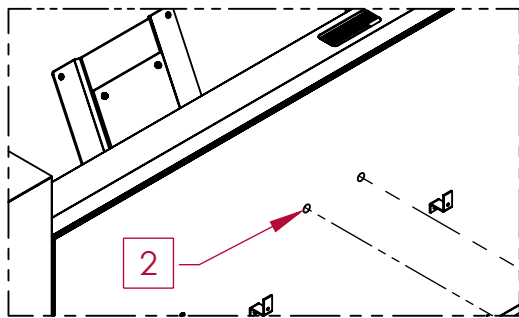
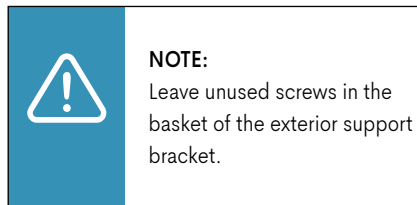


WARNING:
See hardware box for parts.



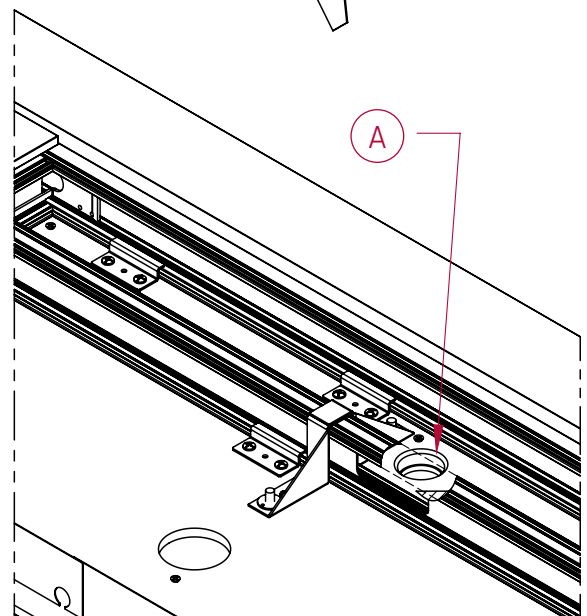
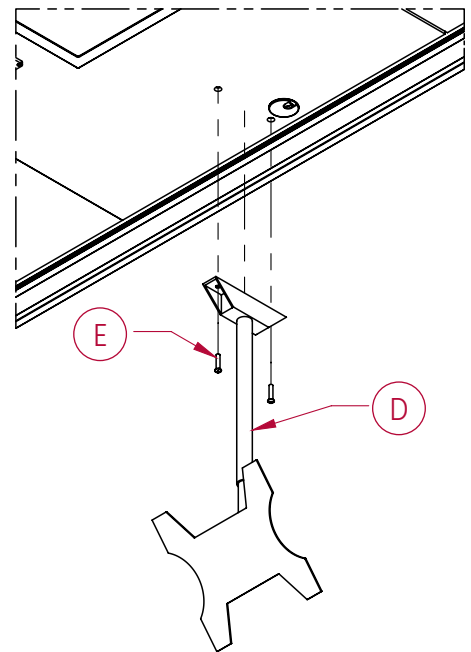
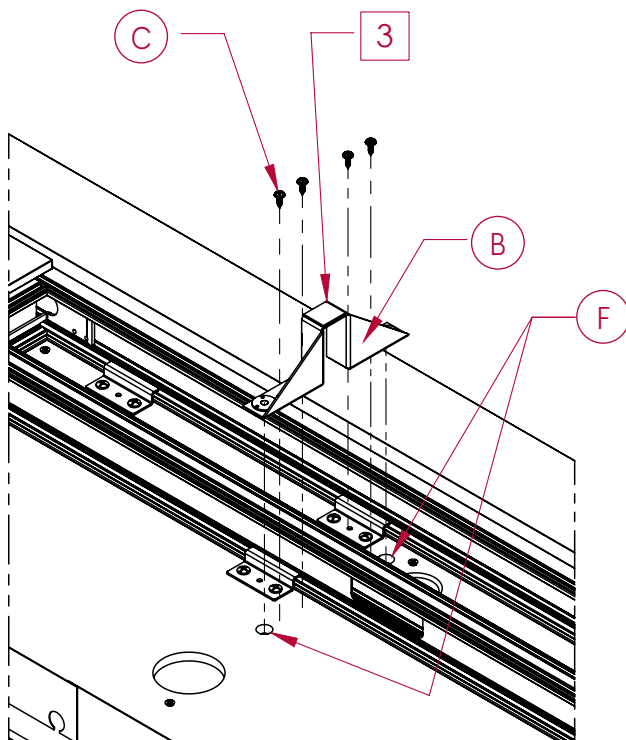
Screen wall mount - *Exterior/interior installation*

- 1 Remove exterior or interior wall.
- 2 Drill clearance holes in the felt ($\varnothing \frac{1}{2}$ "") using the pre-drilled holes in the interior T.F.L. as a guide.
- 3 Attach the interior screen bracket (A) using 4x #12 screws and washers.
- 4 Reinstall exterior/interior wall.
- 5 Screw exterior support bracket (B) into the interior bracket (A) by aligning with pre-drilled holes in the felt.
- 6 Install VESA adapter (C) at the back of the screen with the 4 screws provided.
- 7 Hang the screen with the VESA (C) holder to the outside (B) holder and lock in place with the (D) blocking screw.



Telescopic ceiling screen mount - *For suspended screen*

- 1 Assemble the two pieces from the screen support (D) by inserting the adjustable part all the way in. (See instructions included with the support).
- 2 Remove center T.F.L. tiles on the ceiling.
- 3 Drill clearance holes (15mm / 5/16") (F) for the assembly screws as well as grommet hole (A) using the 1 7/8" hole saw.
- 4 Install ceiling support (B) and attach it using screws (C) included in the hardware kit.
- 5 Install post support (D) inside and screw it to ceiling support (B) using screws (E) included.
- 6 Install screen on the support (D).
- 7 Screen cables runs through the ceiling in grommet (A).



*Designing, manufacturing, advising,
planning and supporting: that's the art that
distinguishes our purpose at Artopex.*



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