

1 Piece Standard Steel Jamb Into Timber

Restruct Fire Rated or STC40 Acoustic

Restruct Commercial Doors LTD.

Your Fire Door Specialists

Step 1. Prepare Wall Framing

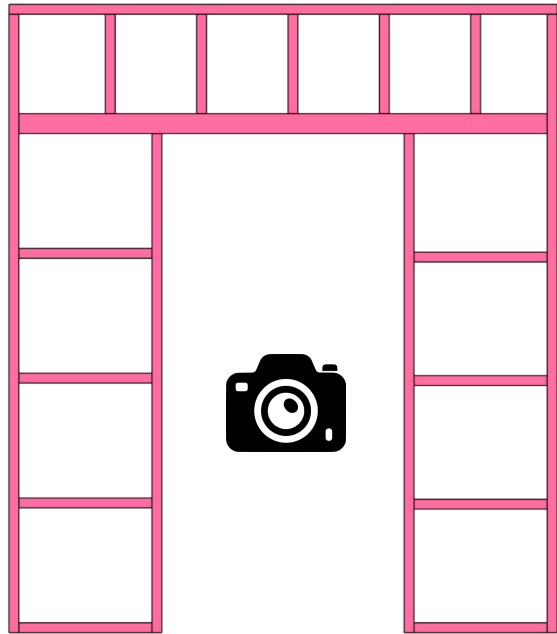


Fig.1

Trim Opening / Rough Opening

Rough Opening Height = Leaf Height + Floor Clearance + 50mm

Rough Opening Width Single Door = Leaf Width + 192mm

Rough Opening Width Double / Door and Half =
Leaf1 Width + Leaf2 Width + 196mm

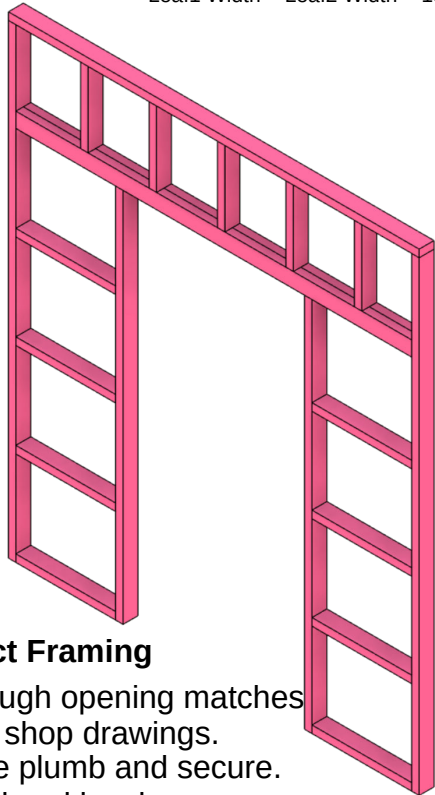


Fig.2

Step 1. Inspect Framing

- Ensure the rough opening matches the approved shop drawings.
- Studs must be plumb and secure.
- Lintel installed and level.
- Confirm nog placements for GIB support.



Side View

Fig.3

Steps 2-10. Door Installation, Positioning and Fixing

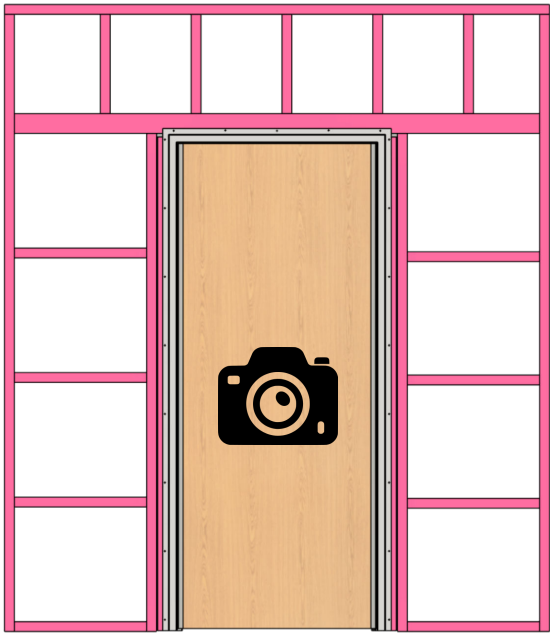


Fig.4

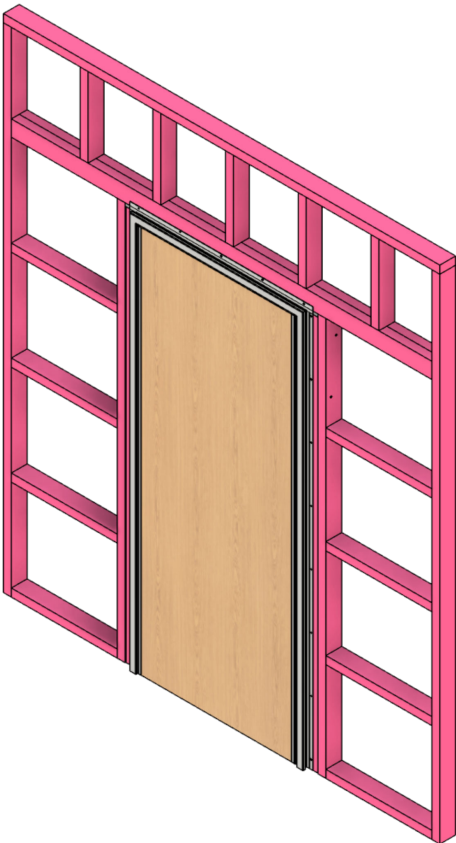


Fig.5

Side View

Fig.6

Steps 11-12. GIB and Hardware Installation, Photos and Declarations

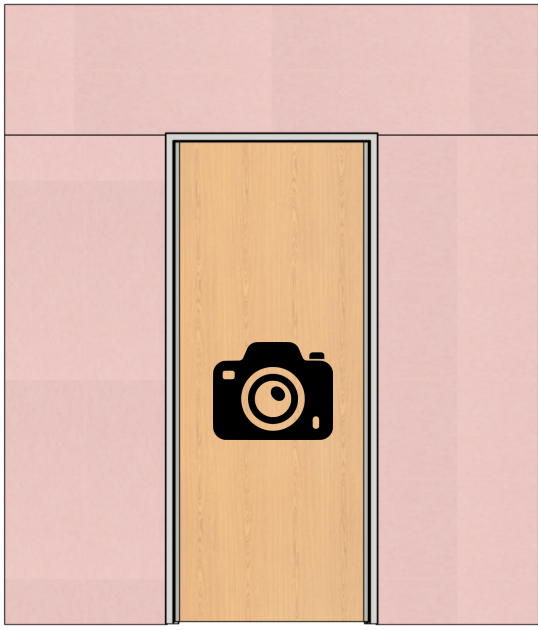


Fig.7

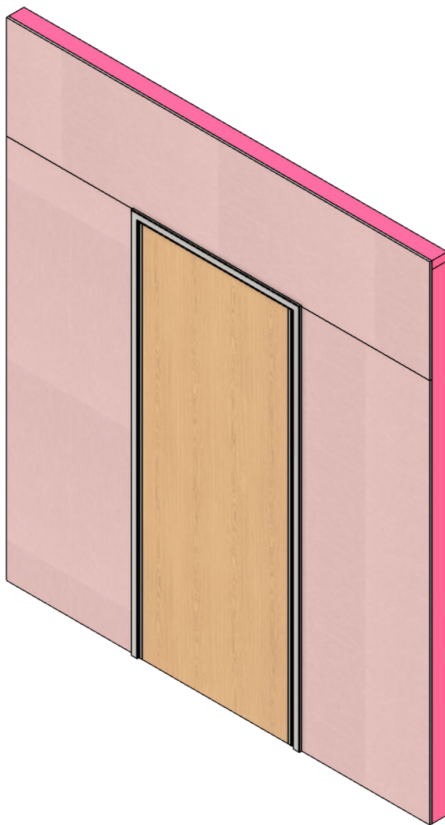


Fig.8

Side View

Fig.9

- This drawing is copyrighted and the author's property and must not be retained, copied or used without the authority of Restruct Commercial Doors Ltd.

- Do not scale from the drawing; use the provided dimensions only.

- Bring all discrepancies to the attention of the author.

- Restruct Commercial Doors do not take responsibility for the measurements provided by others.

Description:

Drawing Title:

Drawing Status:

Scale At - A3

Approved:

Job #:

Revision:

Drawing by:

Checked by:

Name:

Sign:

Date:



Factory-prepared doorset with Fyreline®/Noiseline® GIB inserted into jamb cavity (do not remove)

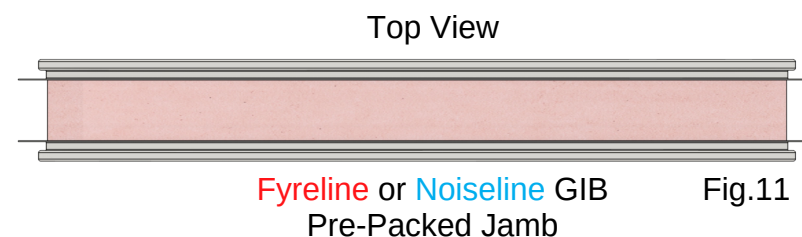


Fig.11



Step 2. Unpack and Inspect Doorset

- Check the GIB pre-packed doorset for damage or missing components.
- Internal cavity GIB should be intact. *(Do Not Remove Pre-Packing)*
- Frame profile and door type match job specification.
- No Modifications or Alterations are Allowed on Doorsets



Fig.12

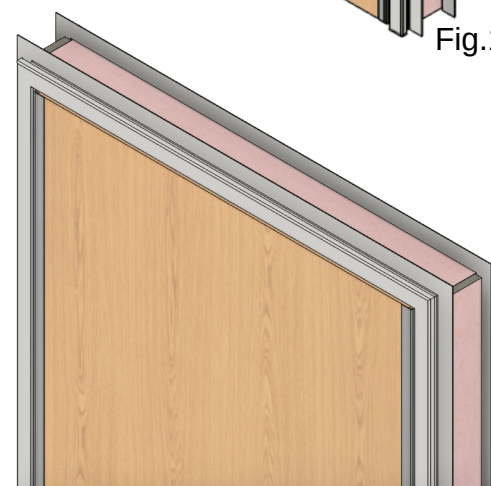


Fig.13



Step 3. Add GIB and Studs

- On both sides: between the pre-packed cavity and the jack studs add 16mm GIB.

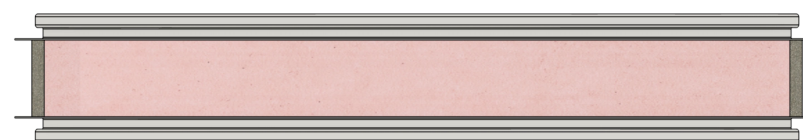
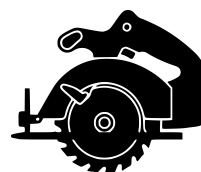


Fig.14

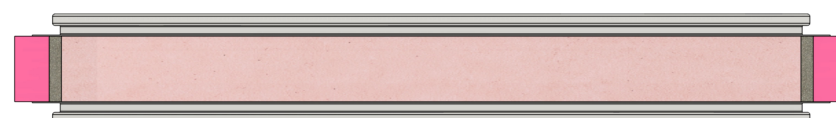


Fig.16

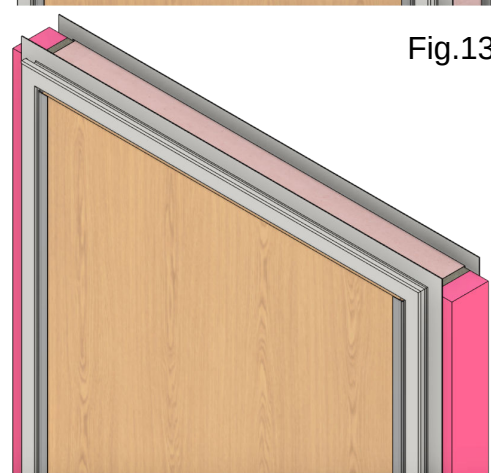


Fig.15



Fig.17



Step 4. Temporarily Fix Studs to Jamb

- Temporary fix stud to jamb at the top. This helps with positioning the doorset.



Fig.18

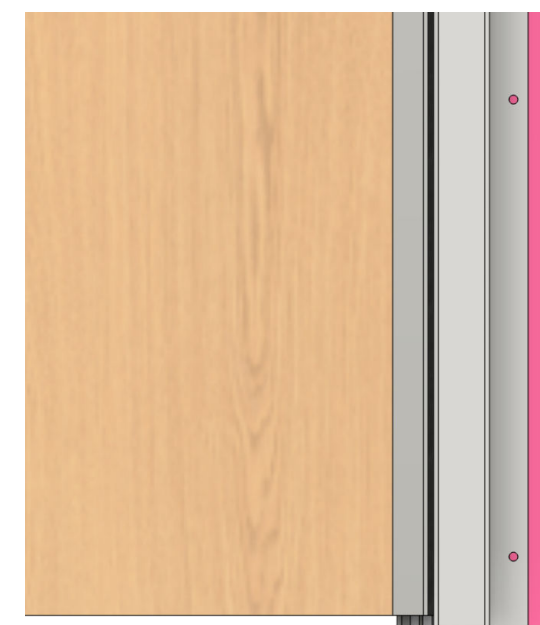
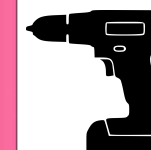


Fig.19



Space between fixing holes are not to exceed 300mm

50mm from the bottom 10mm the side



Temporary fix stud to jamb at bottom. This helps with positioning the doorset.



Fig.20

- This drawing is copyrighted and the author's property and must not be retained, copied or used without the authority of Restruct Commercial Doors Ltd.

- Do not scale from the drawing; use the provided dimensions only.

- Bring all discrepancies to the attention of the author.

- Restruct Commercial Doors do not take responsibility for the measurements provided by others.

Description:

Drawing Title:

Drawing Status:

Scale At - A3

Approved:

Job #: Revision:

Drawing by:

Checked by:

Name: Sign:

Date:

- This drawing is copyrighted and the author's property and must not be retained, copied or used without the authority of Restruct Commercial Doors Ltd.

- Do not scale from the drawing; use the provided dimensions only.

- Bring all discrepancies to the attention of the author.

- Restruct Commercial Doors do not take responsibility for the measurements provided by others.

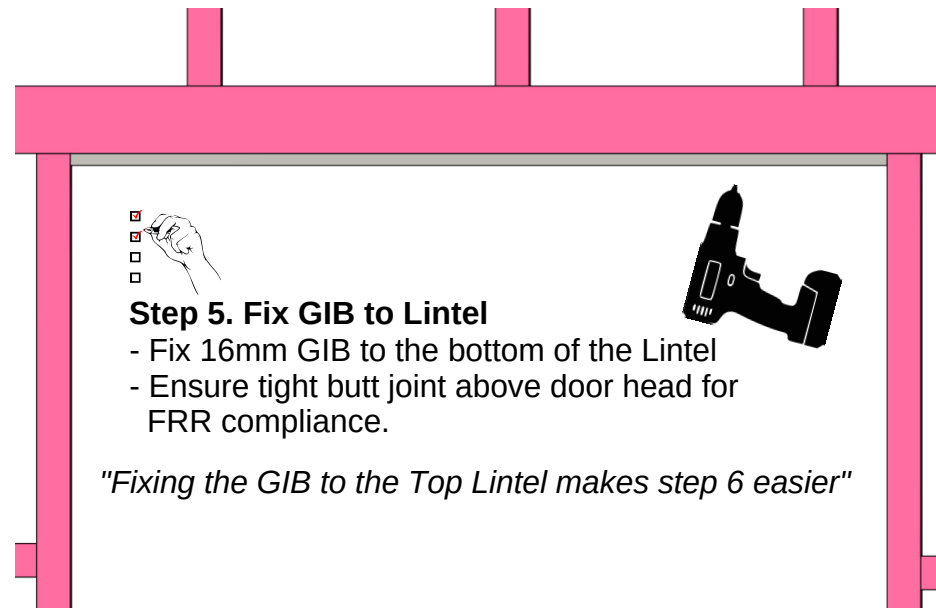


Fig.21

Step 5. Fix GIB to Lintel

- Fix 16mm GIB to the bottom of the Lintel
- Ensure tight butt joint above door head for FRR compliance.

"Fixing the GIB to the Top Lintel makes step 6 easier"

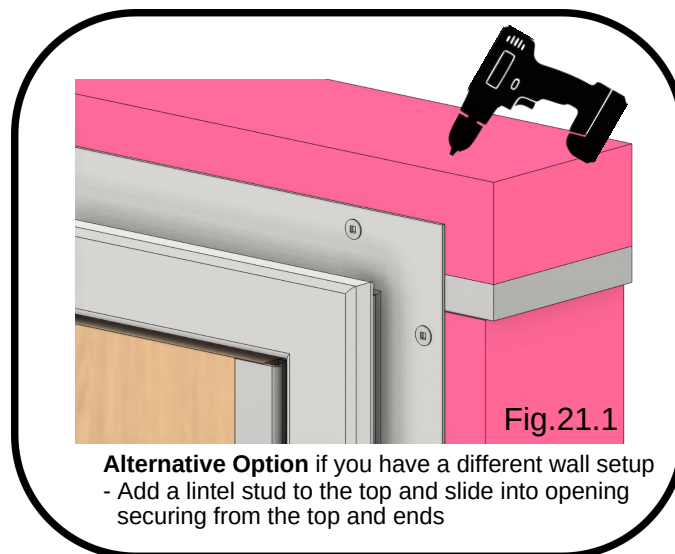


Fig.21.1

Alternative Option if you have a different wall setup
- Add a lintel stud to the top and slide into opening securing from the top and ends

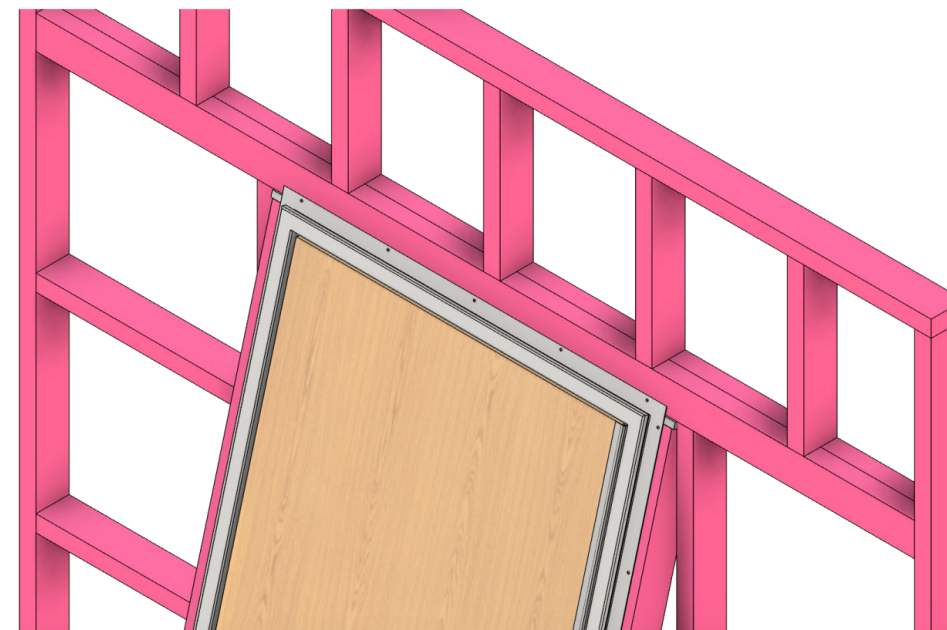


Fig.22

Step 6. Slide Doorset into Frame

- Tilt the frame slightly and use the top flange lip to pivot into place.
- Guide the doorset into the rough opening.

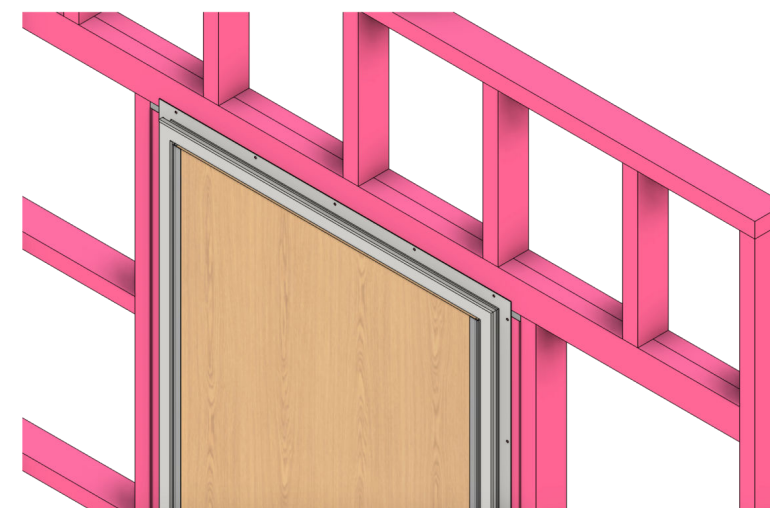


Fig.23.1

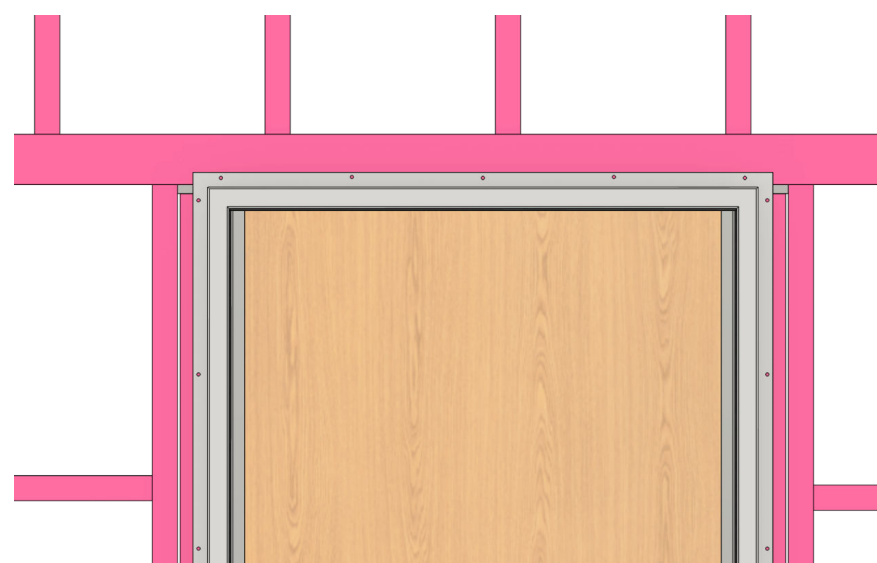


Fig.23

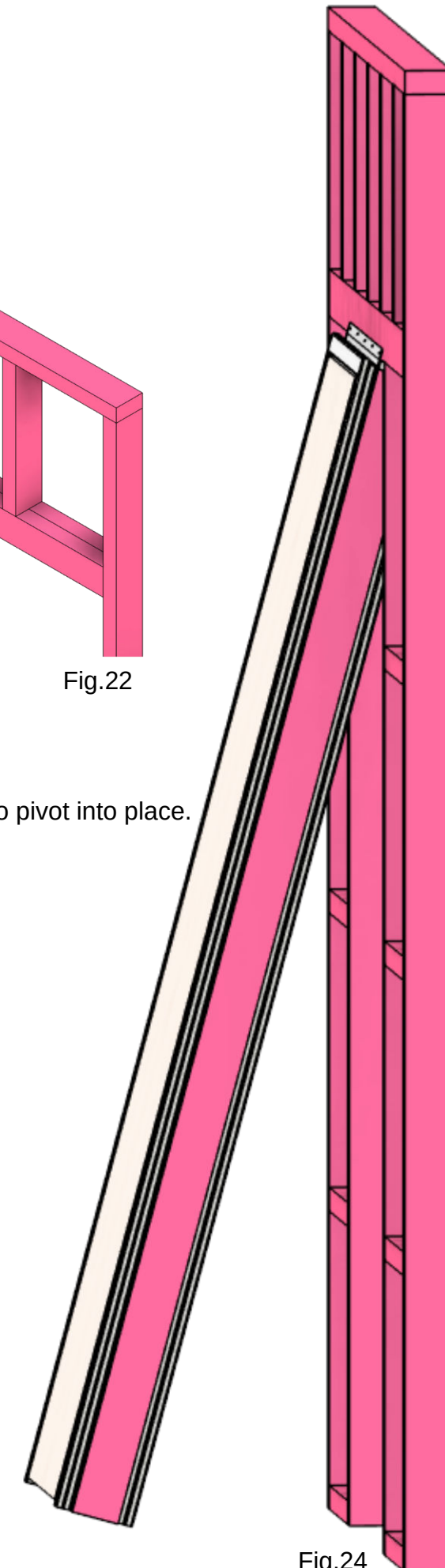


Fig.24

Description:

Drawing Title:

Drawing Status:

Scale At - A3

Approved:

Job #:

Revision:

Drawing by:

Checked by:

Name:

Sign:

Date:

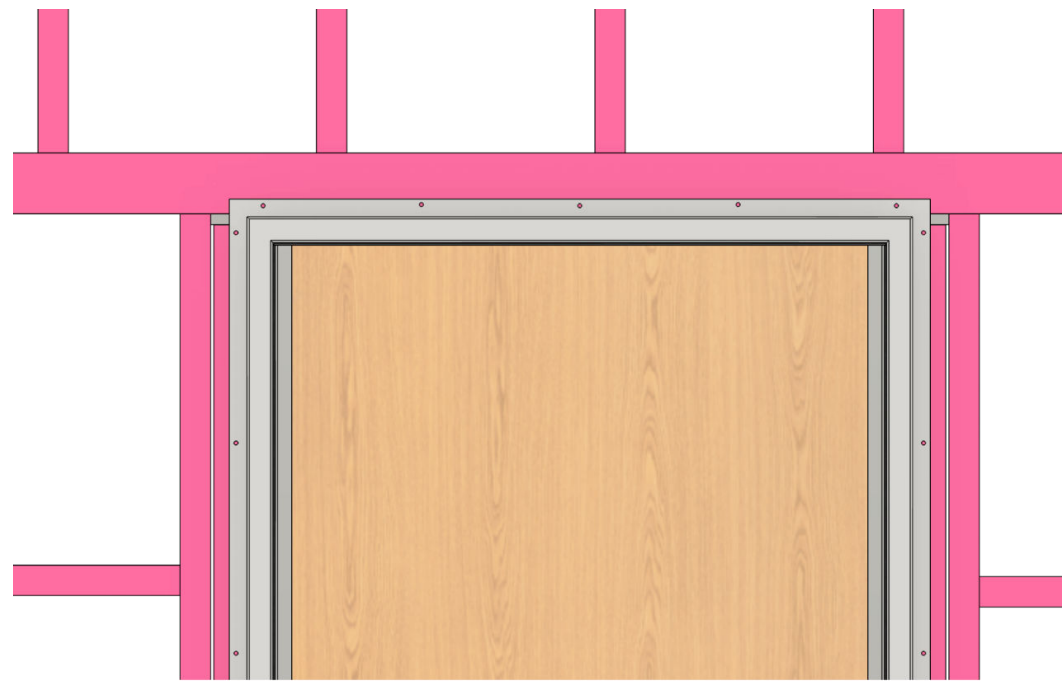


Fig.25

Step 6. Adjusting the Doorset Position in Frame

- Position the Doorset inside the Rough Opening
- Ensure the base is level and the Jamb and Studs fits within the frame opening.



Step 9. Fix Jack Studs to Wall Framing

- Fix the jack studs directly to the timber framing studs.
- If the gap is to great use non-combustible packers before fixing.
- Screws at <300mm max spacing.

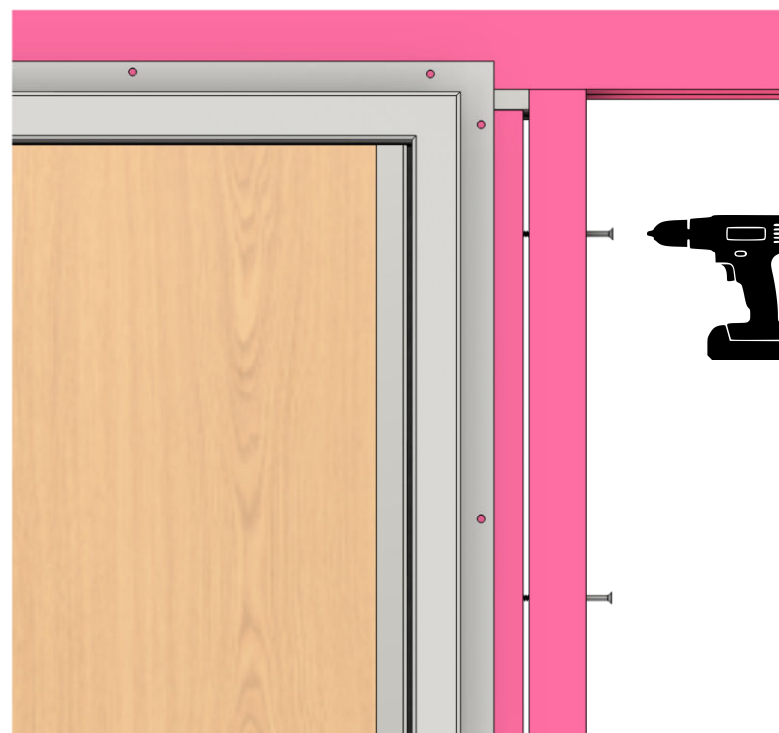


Fig.28



Fig.26

Step 7. Fix Head Position

- Secure the top of the steel jamb to the lintel using **10g** stainless screws.
- Ensure frame is centered, plumb, and square before proceeding.



Step 8. Remove Temporary Fixings

- Remove the temporary screws from the jack studs. Top and Bottom



Fig.27



Step 10. Permanently Fix Steel Frame - All Sides

- Fix through the face of the steel jamb into framing using **10g** stainless steel screws, max spacing **300mm**.



Fig.29

- This drawing is copyrighted and the author's property and must not be retained, copied or used without the authority of Restruct Commercial Doors Ltd.

- Do not scale from the drawing; use the provided dimensions only.

- Bring all discrepancies to the attention of the author.

- Restruct Commercial Doors do not take responsibility for the measurements provided by others.

Description:

Drawing Title:

Drawing Status:

Scale At - A3

Approved:

Job #: Revision:

Drawing by:

Checked by:

Name: Sign:

Date:

- This drawing is copyrighted and the author's property and must not be retained, copied or used without the authority of Restruct Commercial Doors Ltd.

- Do not scale from the drawing; use the provided dimensions only.

- Bring all discrepancies to the attention of the author.

- Restruct Commercial Doors do not take responsibility for the measurements provided by others.



Step 11. GIB Installation

- Install the appropriate rated GIB into outer Jamb Grooves.
- Top board first, then side boards.
- Follow GIB fire-rated system guidelines.
- Butt-joint to form a fire stop.



Fig.30



Step 12. Hardware Installation , Photos and Declarations

- Install hardware.
- Refer to approved hardware schedule.
- Ensure Intumescent seals, smoke seals, hinges, closers, etc. are all intact.
- Take labeled photos of each door.
- Submit photos and installation declaration.

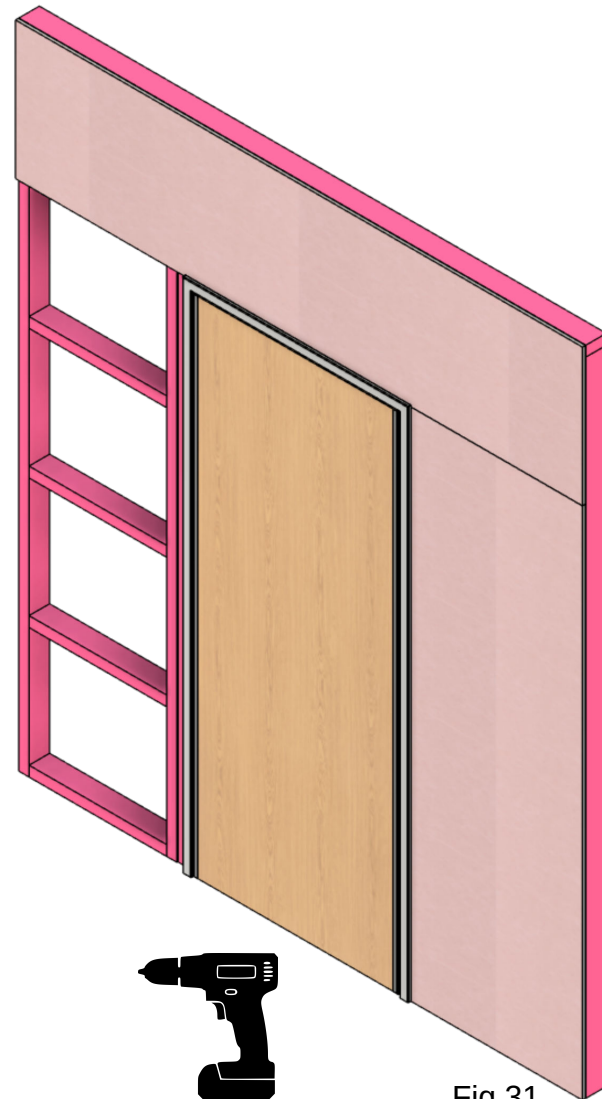


Fig.31



Continue with the Side GIB

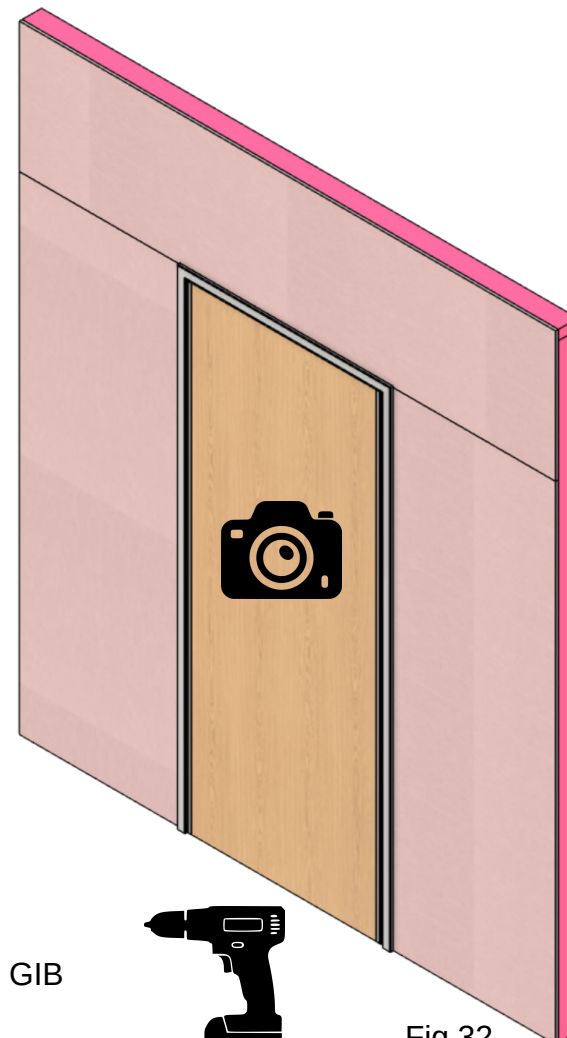


Fig.32

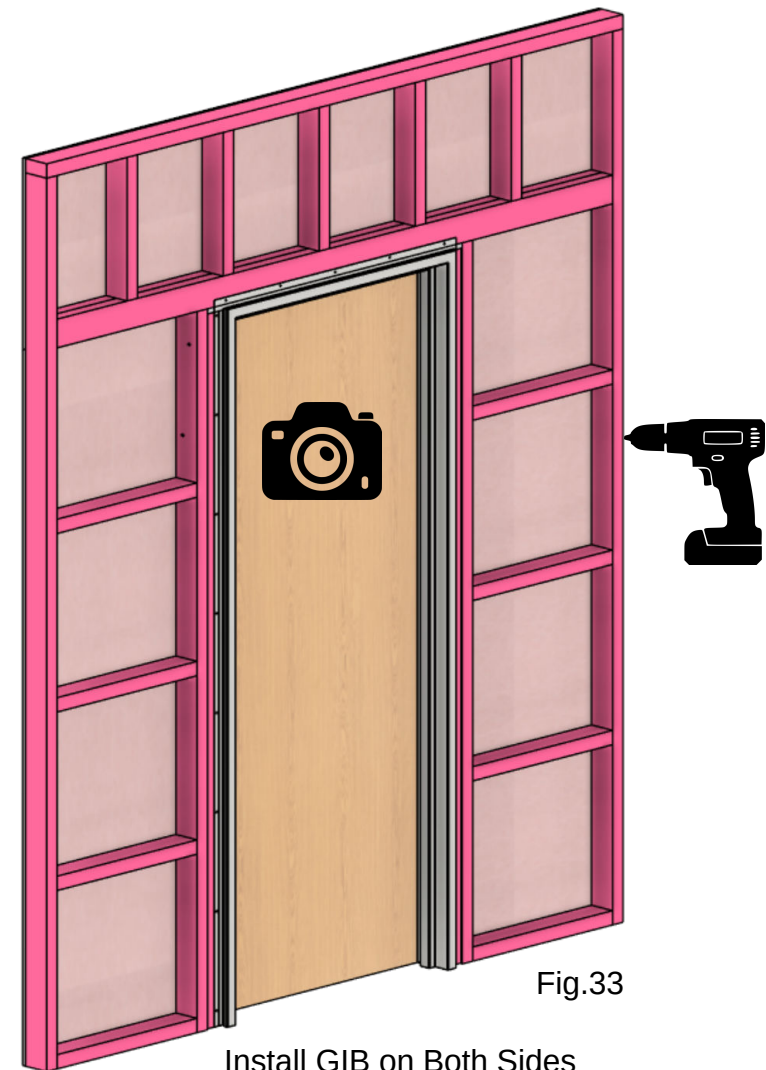


Fig.33

Install GIB on Both Sides



Description:

Drawing Title:

Drawing Status:

Scale At - A3

Approved:

Job #: Revision:

Drawing by:

Checked by:

Name: Sign:

Date: