



Trade Village Studios

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Installation

Step by Step guide

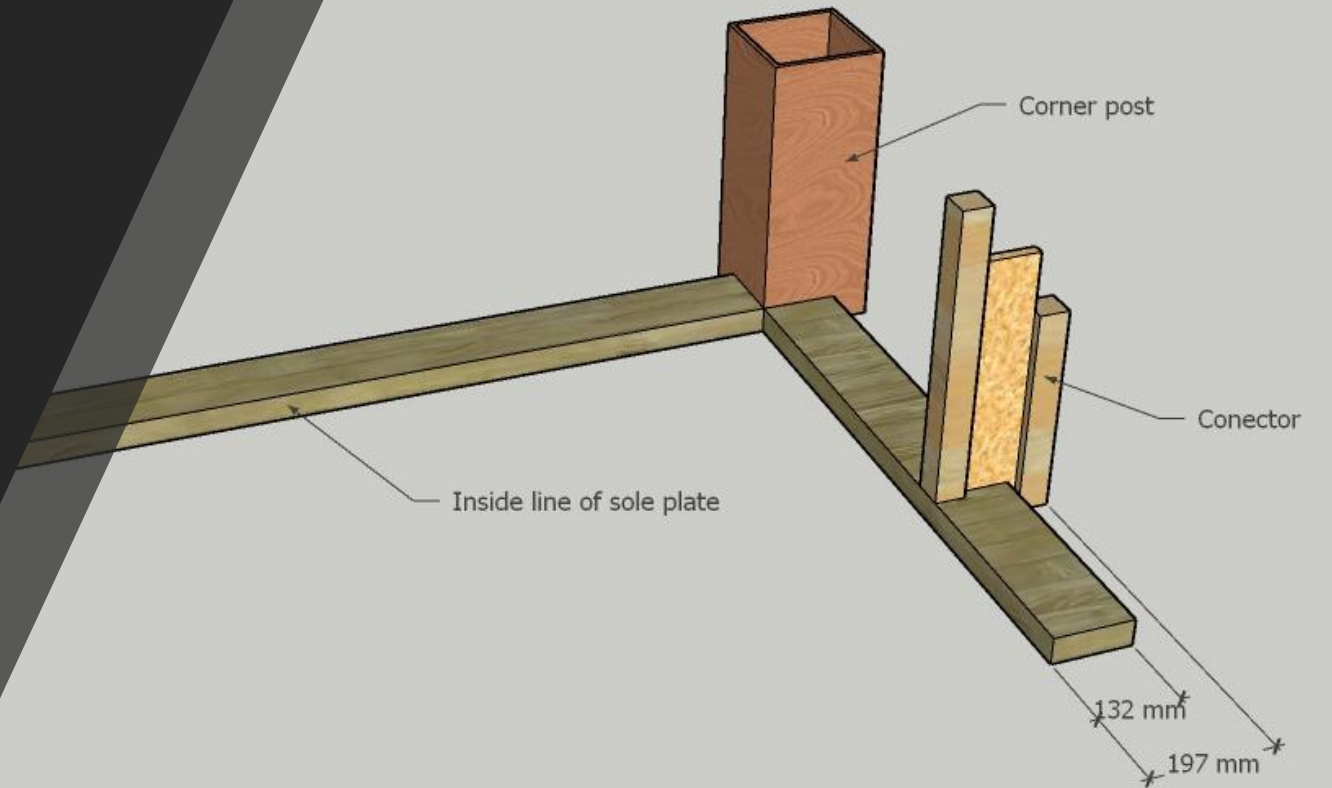


Setting out sole plate

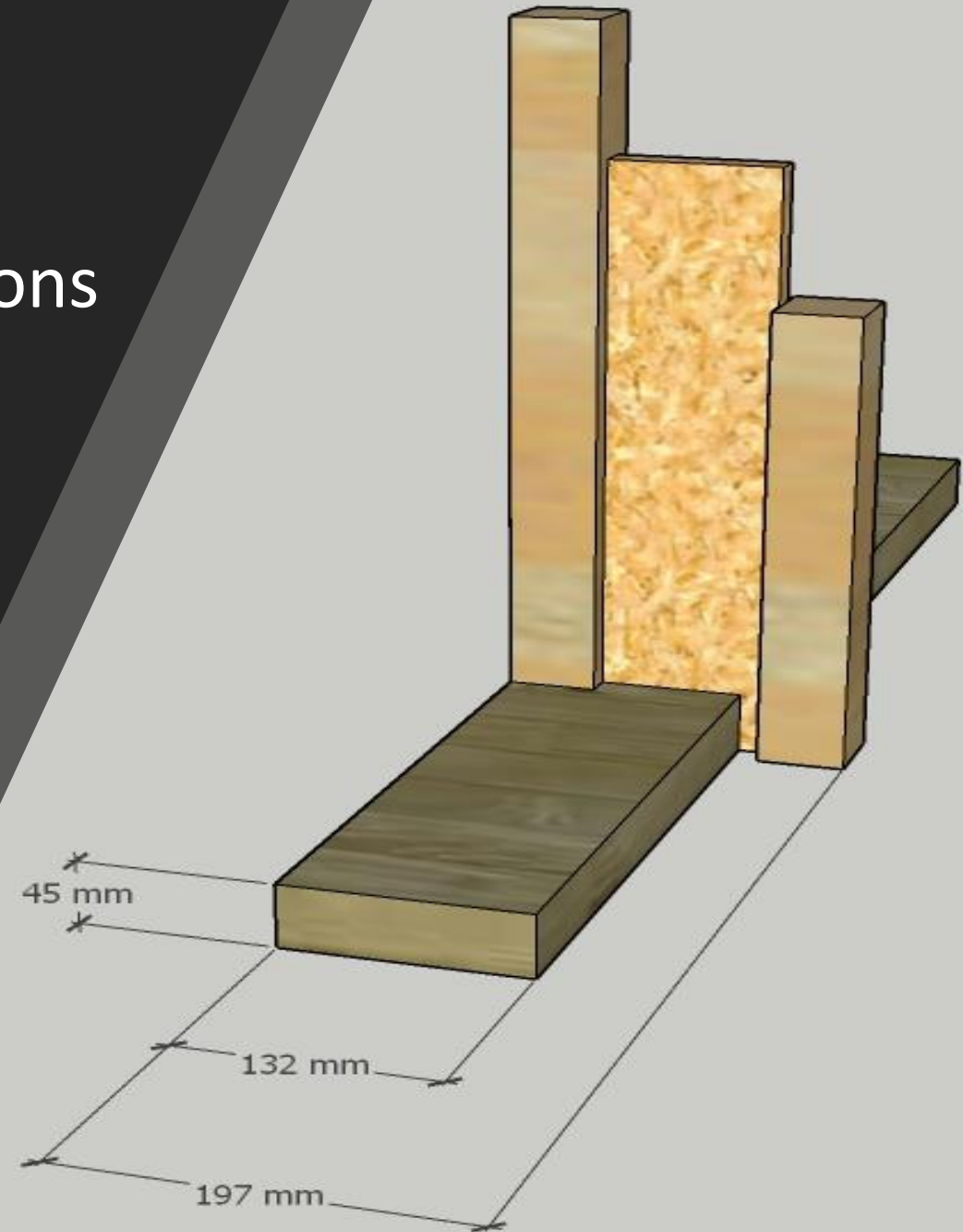
- Locate timber sole plate for base
- Ensure sole plate is level
- Butt up internal face of each sole plate as shown
- Sole plate butts up to corner post
- Corner post sits onto base / slab
- Ensure the sole plate is square on the base / slab
- Fix sole plate down to base using appropriate fixings



Corner post, connector and sole plate location



Sole plate and connector dimensions



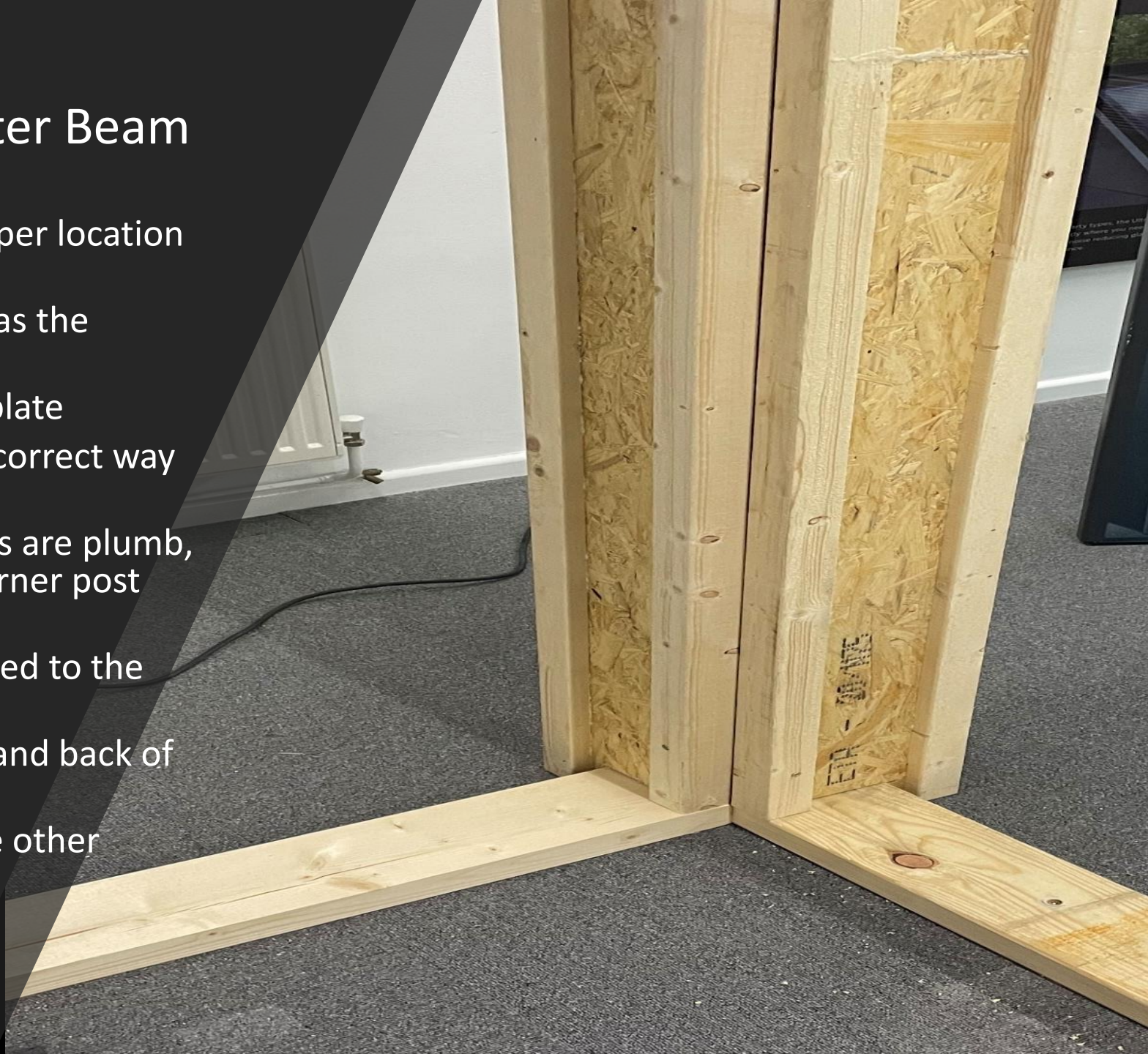
Setting out the Corner Post

- Locate the correct corner post referring to corner post location plan
- Ensure inside face is set to the inside sole plate line
- Find the relevant panel connector to attach to the inside face of the corner posts
- This is the first 'starter' connector for each elevation



Fixing the Corner Post to Starter Beam

- The panel connector will be labelled as per location plan
- The panel connector is the same width as the corner post section 195mm
- The connector is notch to suit the sole plate
- Ensure the connector is positioned the correct way around
- Ensuring the connector and corner posts are plumb, now fix through the connector into the corner post using the woodscrews provided.
- It is advised that the connector is clamped to the corner post when being fixed.
- Screw the connector through the front and back of the I beam 50 x 50 into the post behind.
- Once completed you can move onto the other corner posts using the same procedure

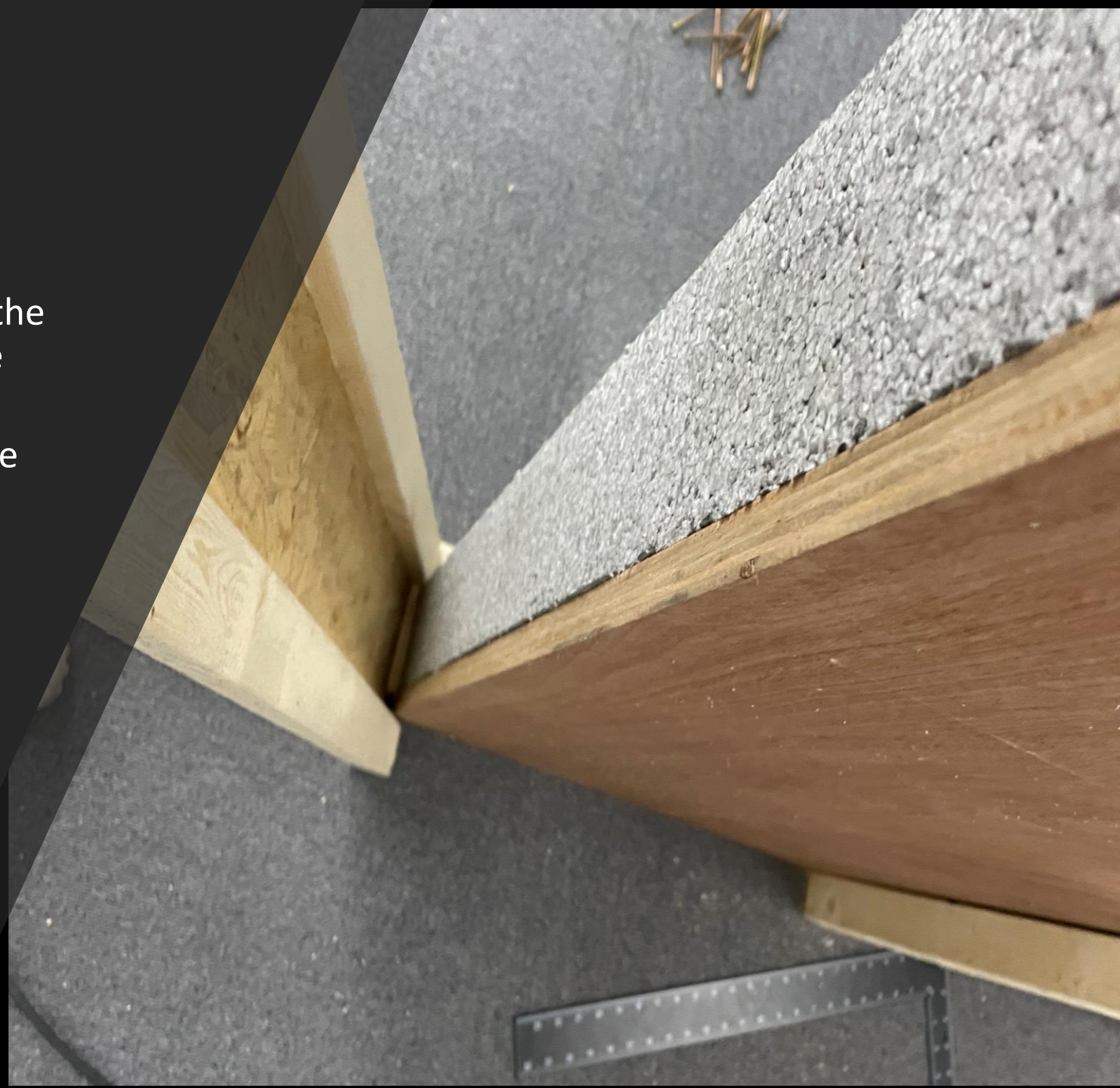


Panel Connector notched over sole plate



Fixing First Panel

- Now locate the first panel to be installed.
- The panels have a notch to the inside face, the notch is to allow the panel to locate inside the connector as shown.
- Ensure that the panel is fully located into the connector before fixing



Notched Panel

- Inside face is notched, 18mm ply to outside



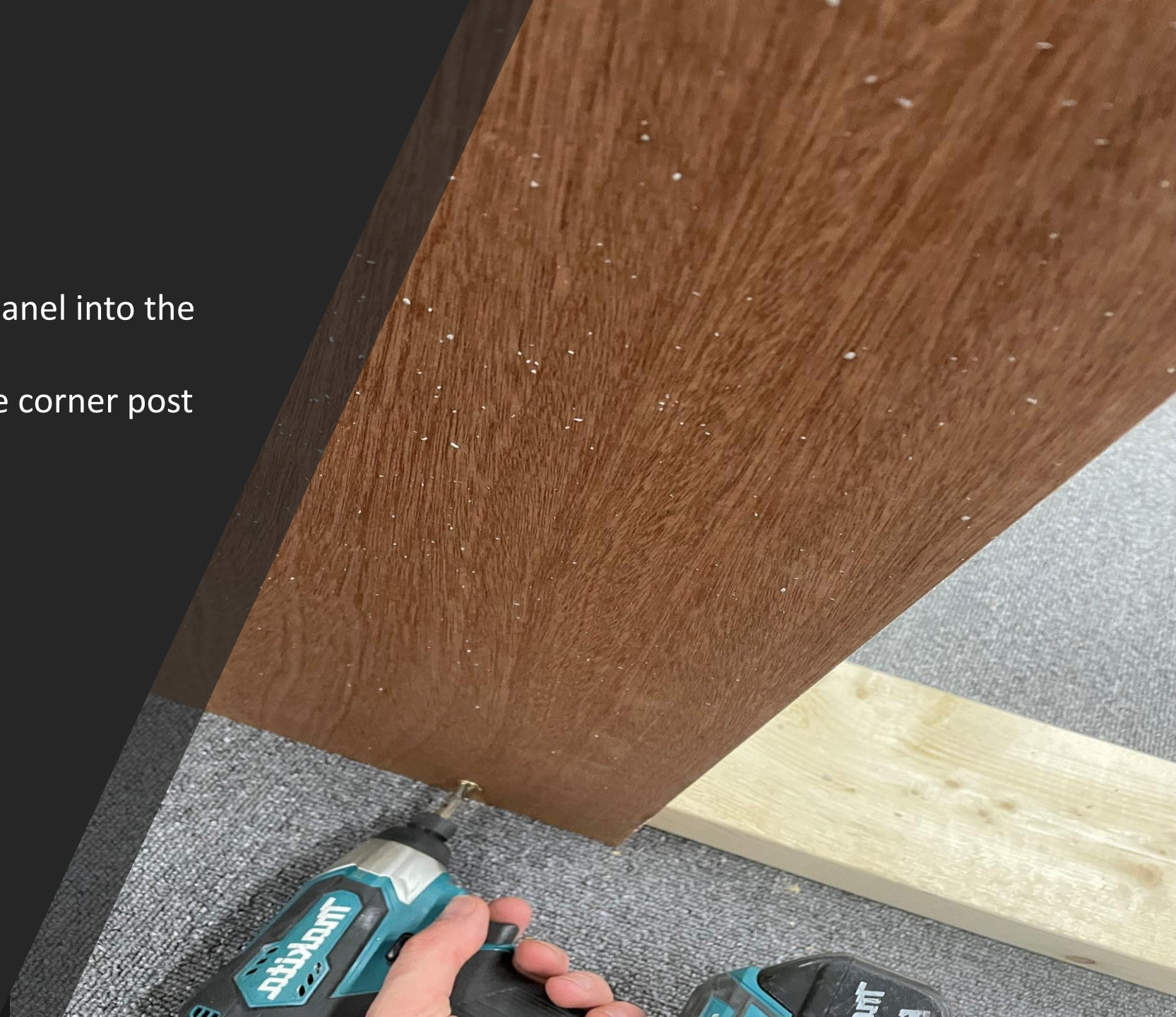
Panel Fixing

- Once panel is located fully into connector, check the panel and corner post are plumb.



Panel Fixing

- Once Plumb fix the bottom of the panel into the sole plate to pin in position
- You will need assistance to keep the corner post plumb whilst fixing.



Panel Fixing

- Now fix through the connector into the ply panel.
- Fixings should be angled into the ply as shown
- Temporarily fix the connector with approx. 3 fixings to hold panel in place.
- Now move onto next connector and panel.



Panel Fixing

- Each panel is fixed in the same way.
- Ensure that the panels are checked for plumb each time before fixing into sole plate and connector.
- It's advised that the walls are pinned in place as you work around the structure.
- Due to the ease of fitting the walls are installed within a short space of time.



Panel Fixing

- A typical wall assembly into corner post before wallplate fixings.
- For ease of installation and stability it's recommend a corner is set up as shown before building a long run of panels. This will help with onsite conditions.
- Installers may wish to brace walls during windy conditions.



Panel Fixing

- Once walls are in place the next step is to install the wall plate
- Ensure the correct wall plate is used in accordance with the location guide
- Fix the wall plate down to the connectors as shown.
- The ply panels are also fixed from behind into the wall plates



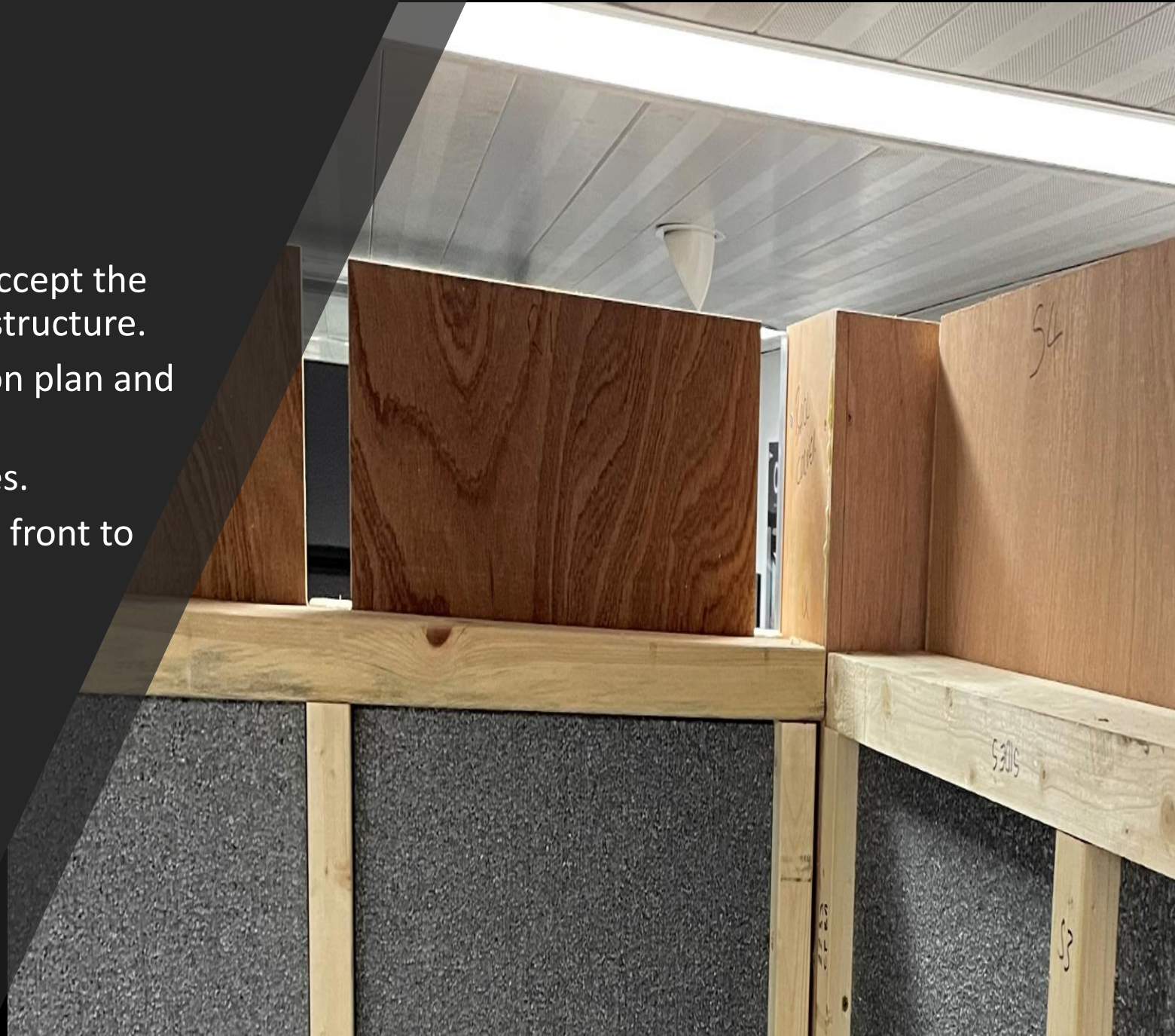
Panel Fixing

- Where there are any double height wall plates, ensure they are fixed as shown.
- Fix First wall plate into the connector
- Fix Top wall plate into the beam below



Panel Fixing

- The wall panels will be pre-notched to accept the insulated I beams used to create the roof structure.
- Find the correct I beam using the location plan and slot into the position
- Each I beam will rest upon the wall plates.
- The beams will naturally fall by 1 degree front to back



Panel Fixing

- I beam shoots through on each external face.
- Overhang is set as per detail on location drawings
- The overhang is set from the face of the vertical i-beam



Panel Fixing

- Ensure the I-beam is attached to the external face to create a soffit detail on the sides
- The beam may not be insulated as shown in the picture.
- The top of the I beam should be inline with the roof board above.
- Screw I beam into vertical connectors and corner post to secure



Panel Fixing

- Once all I beams are in place drop the insulated roof panels in between
- Use the location plan to identify each panel and it's location
- Secure the panels down by screwing into the I beams – checking the roof for square before fixing
- The panels can be used to square up the structure whilst wall panels are pinned in position
- Once the panel is in place insert the noggins as shown. Screw the noggins into the adjacent I beam
- Fix the panels down to the noggins as well as I beams



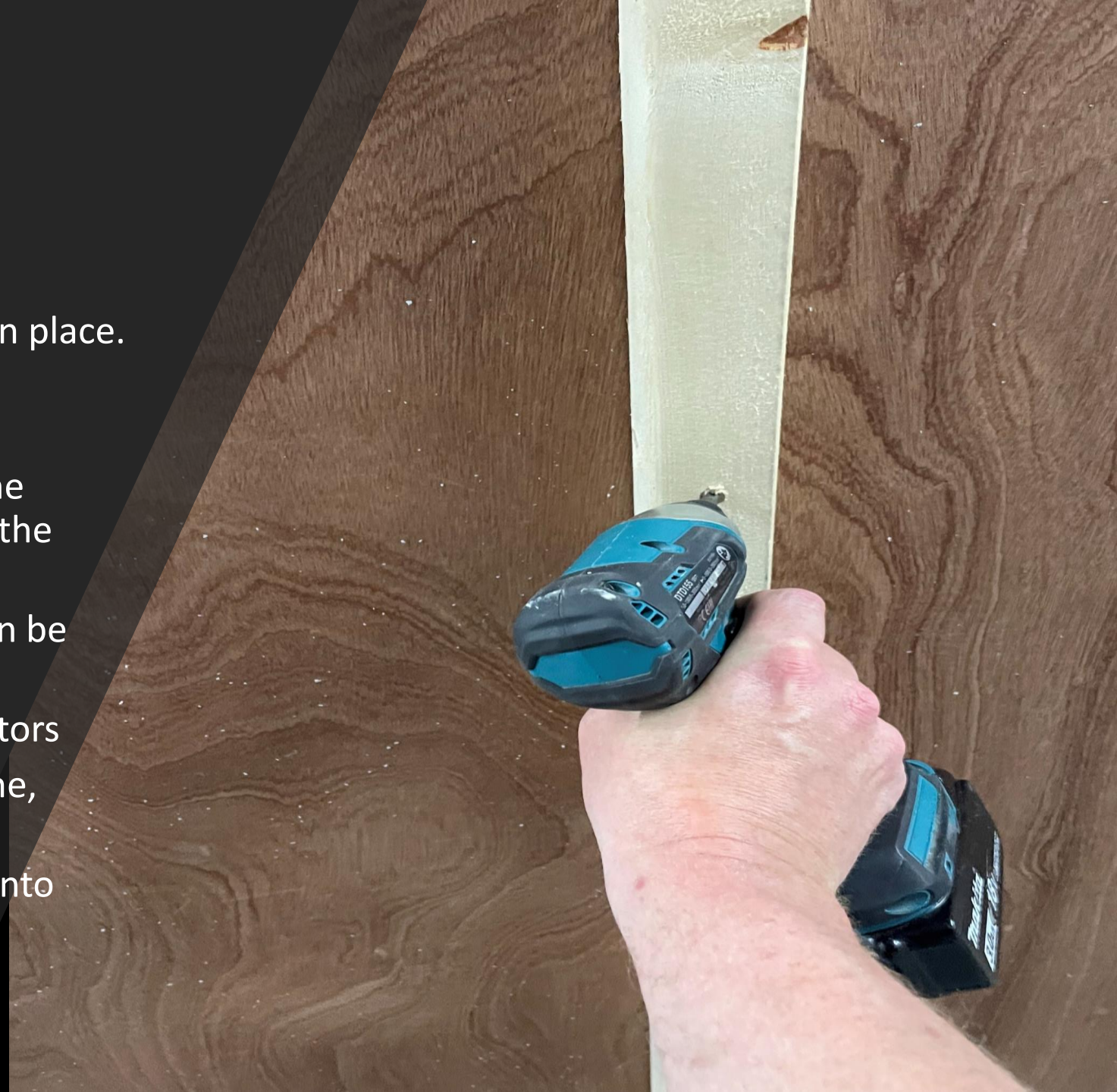
Panel Fixing

- Install the infill sections above the wall plate and beneath the roof panels
- The sections are sent loose.
- The Horizontal i-beams are insulated to ensure the panes fit snug together.



Panel Fixing

- The whole structure should now be pinned in place.
- Now go back around the structure and fix all connectors as shown
- Fix at 300 / 400mm centers all the way up the connectors ensuring the fixings are picking up the panel behind
- Once everything is secure the membrane can be installed externally
- Staple the membrane to the vertical connectors
- Where you are installing your own membrane, install in line with manufacturers details.
- Once membrane is installed you can move onto your chosen claddings





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