



# Tro-Grid Ceiling

## Installation Instructions



Drill with hammer action



Metal Shears



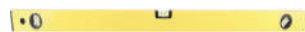
Hacksaw



Tape Measure



Pliers or Mole Grips



Spirit Level



File



Screwdriver



Adjustable Spanner



Set Square



Hammer

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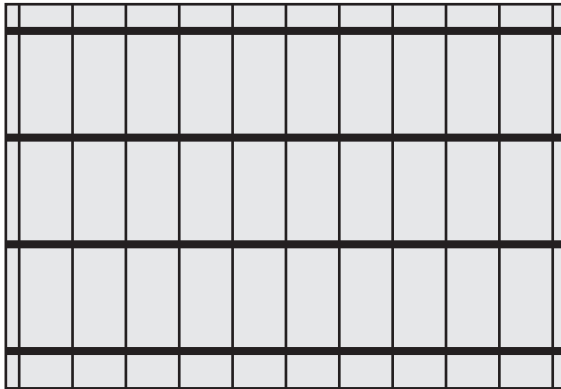


# Beginning Installation

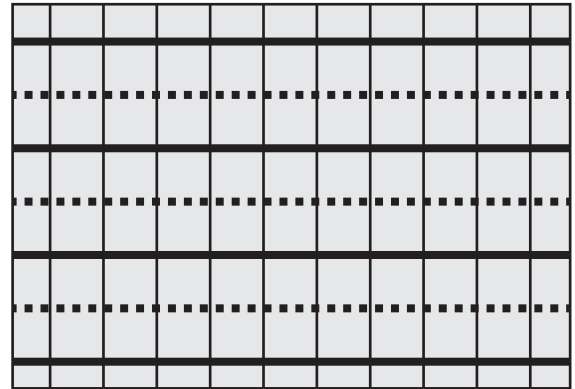
Before installing the ceiling panels ensure that the supporting panels are installed correctly to the Troax install instructions.

## Tee Patterns

There are two possible layouts for the tees: 0.6m x 1.2m and 0.6m x 0.6m.



When constructing for 0.6m x 1.2m ceiling tiles the full length main tees (bold lines) are spaced 1.2m to the centre of the next tee.

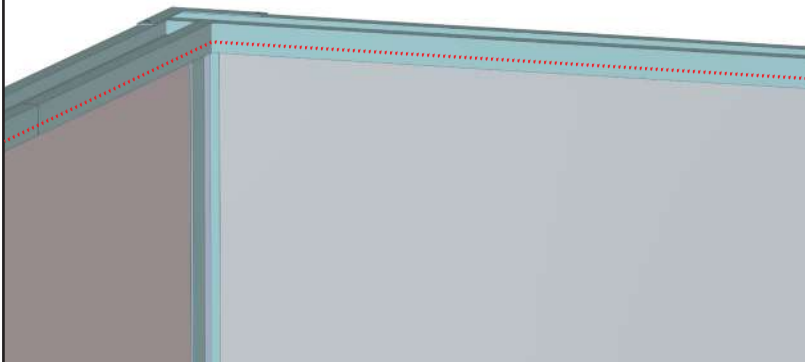


When constructing 0.6m x 0.6m ceiling panels, additional cross tees (dotted lines) are installed parallel to the main tees.

## Planning Install

Begin by drawing the room to scale including any irregular areas like bays, alcoves, columns, beams and stairwells. Dependant on the tile sizes used to create the ceiling mark on the drawing the tees locations showing where the main tees will be fixed.

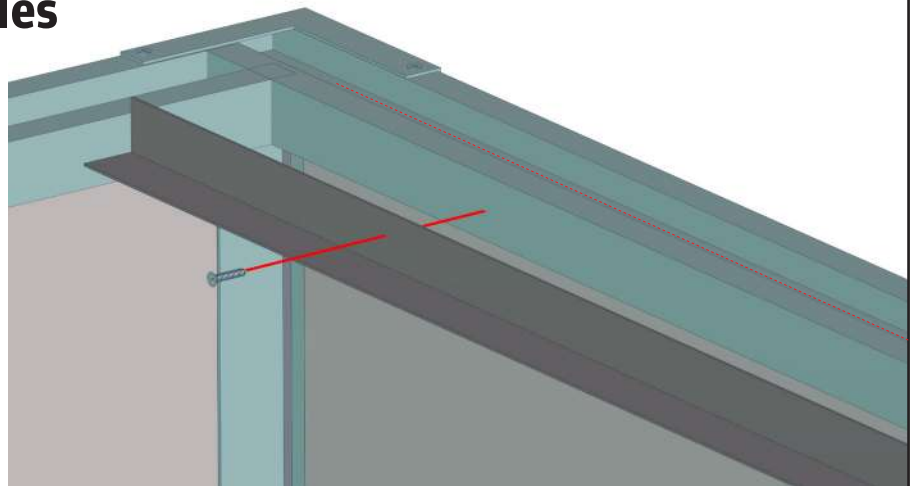
## Marking Height



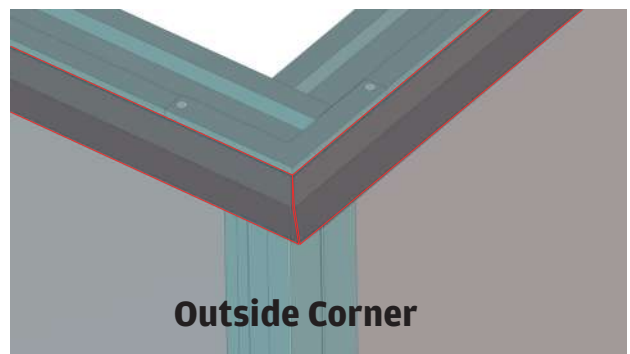
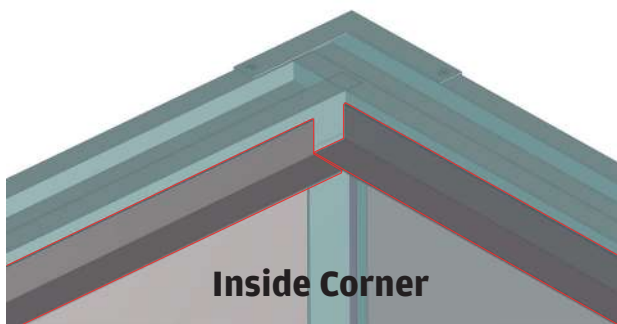
Mark out the desired height of ceiling allowing at least 100mm below air duct, pipe or beams.

## Installing Wall Angles

Align the base of the wall angle and fix to wall using appropriate fixings as shown.

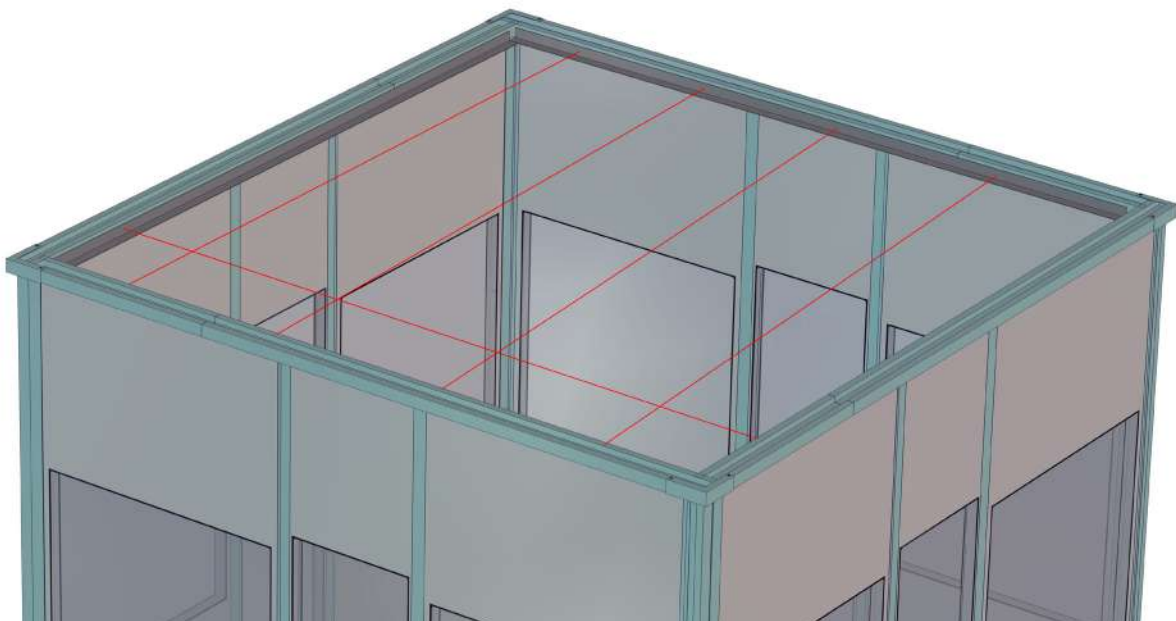


When fixing wall angles onto corners cut as shown.

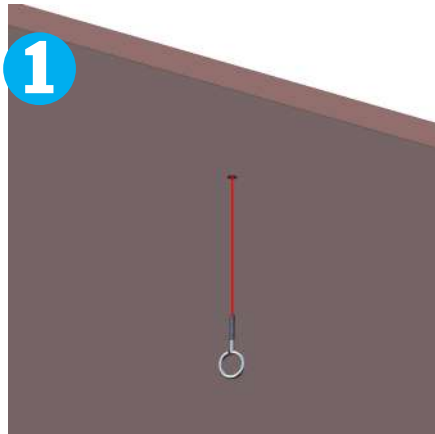


## Marking Tees

Stretch string across the room at each man-tee location and one perpendicular string to make the first row of cross tees. (As long as the slots in the main tees match the location of the first row the remaining pre-punched holes will match up.)

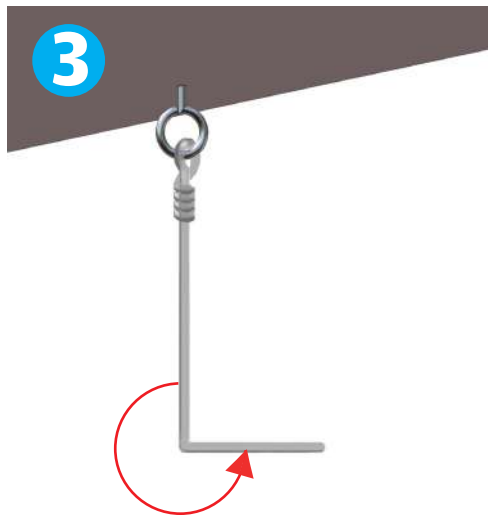
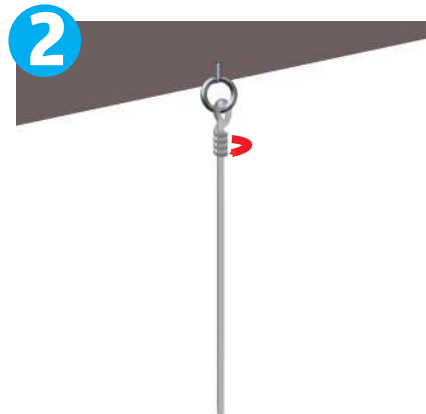


## Installing Hanger Wires



Fix lag screws at approx 1mm intervals along the main sting tee into the main ceiling as shown.

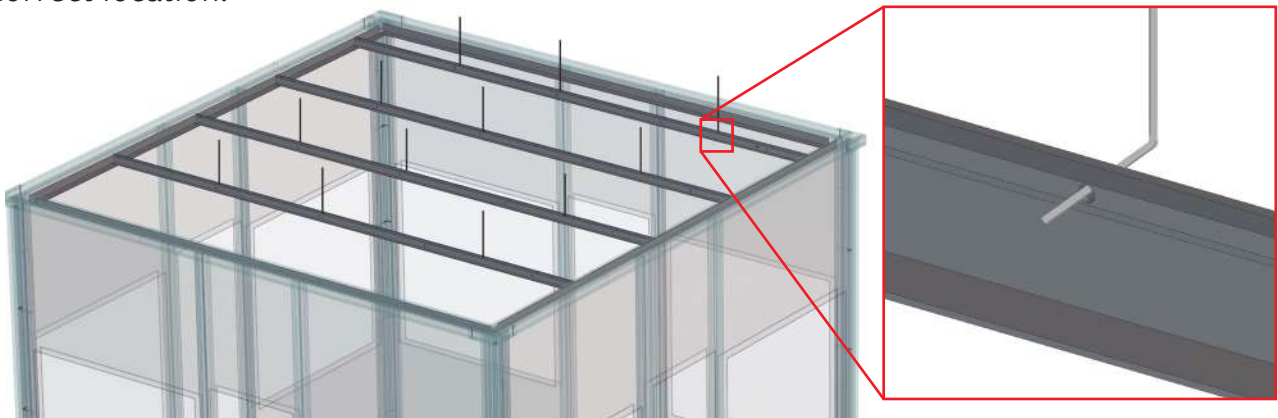
Insert the wire through the lag screw and wrap around to fix in place. Cut the wire so it is 150mm below the string line.



Bend the wire so it is 90° and sits 20mm above the string line.

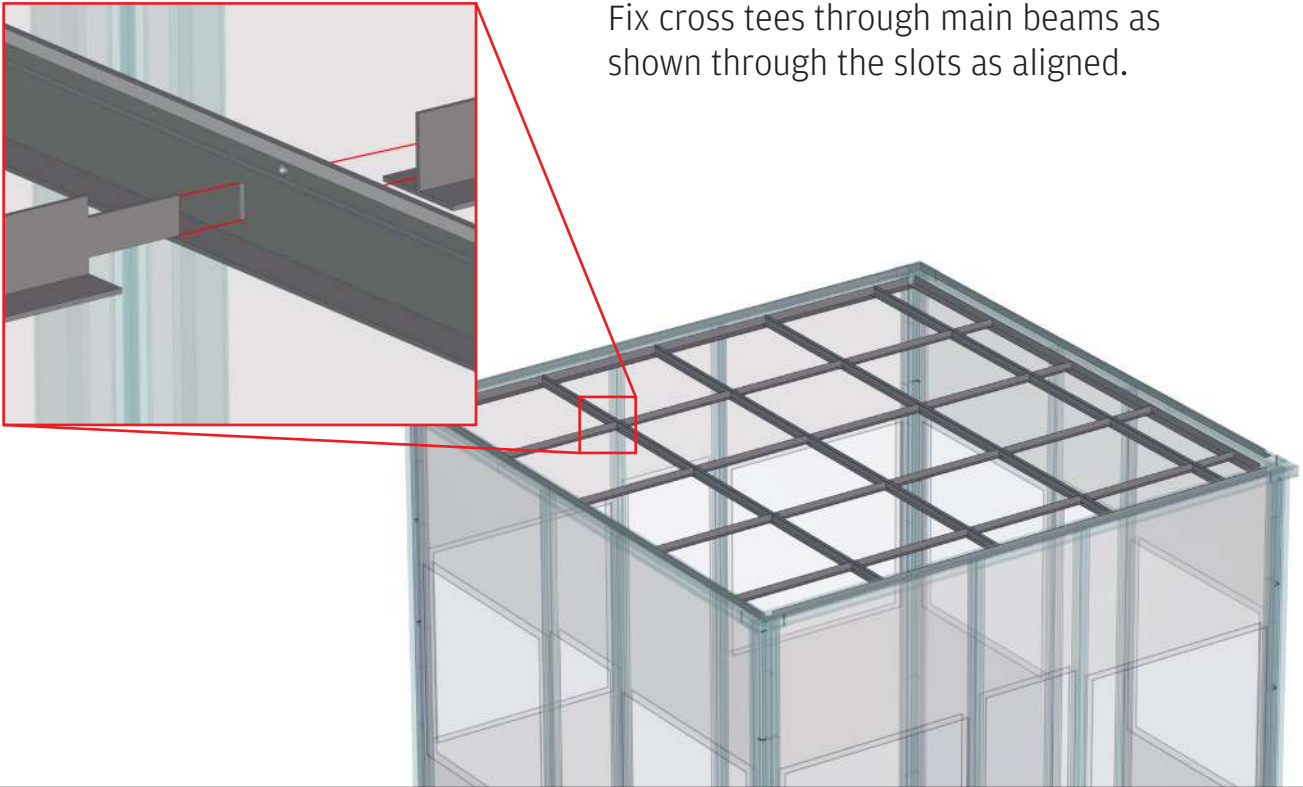
## Installing Main Beams

Install the main beams ensuring that the hanger wires hook through the beams in the correct location.



## Installing Cross Tees

Fix cross tees through main beams as shown through the slots as aligned.



## Fitting Tiles

If arrows are printed on the panel backs ensure that they all face the same direction when installed.

Angle panel through the openings between the beams and straighten and lower into place.

If panels need to be cut measure the size needed and lay onto a flat cutting surface and use a knife to cut to size.

