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

Troax Lee Manufacturing Ltd.
Building 52, Third Avenue,
Pensnett Trading Estate,
Kingswinford, West Midlands,
DY6 7XF

Telephone: +44 (0) 1384 277 441
Facsimile: +44 (0) 1383 273 627
Email: Info@Troax.com
Web: www.Troax.com
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, pope 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.

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**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

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

2. 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.

3. 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.

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**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.