METAL PRODUCTS COMPANY

شــركـــة منتجـــات المـعـــادن

CEILING TILES & BOARDS

METAL CEILING TILES (PLAIN,ACOUSTIC)

Metal Ceiling Tile - Clip In System

Clip In Tile

Clip In Tile (600 X 600)

Clip In System (Concealed)

Item No.	Description	
1.	Wall Channel	
2.	Spring Tee	
3.	C Channel (MC 38)	
4.	Furring Clip	
5.	Fisher Steel 6MM	Rod System
5A.	Threaded Rod 6MM	
5B.	Nut 6MM	
5C.	C Channel Rod Bracket	
6.	Ceiling Nail	Seam System
6A.	Seam	
6B.	Double Spring Clips	
6C.	C Channel Seam Bracket	
7.	Spring Tee Connector	
8.	Metal Ceiling Tile (Clip In)	
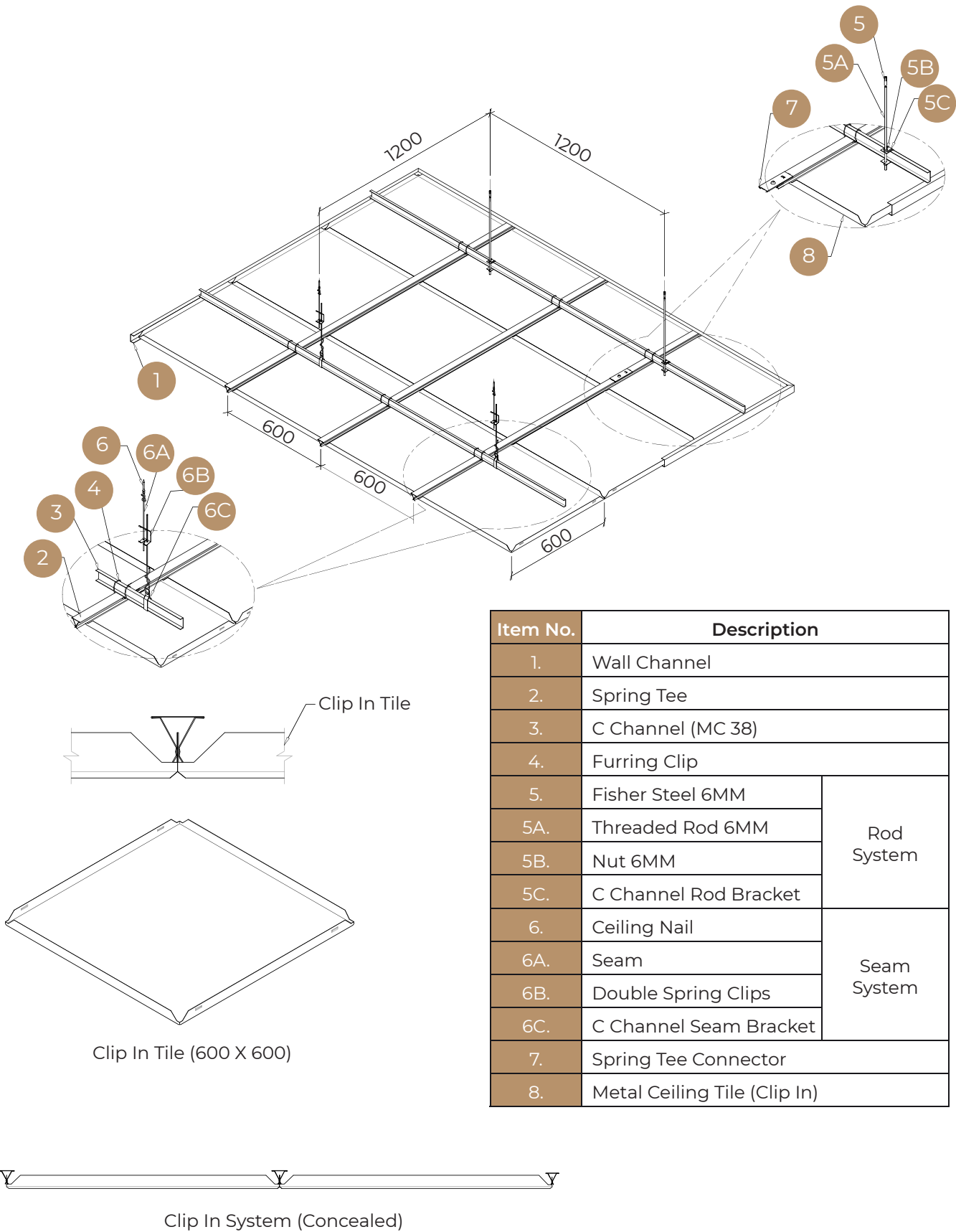
Installation Guide

- The wall channels are first fixed to the required ceiling levels.

- The hangers (seam / rod) are then fixed to the ceiling slabs at 1200 mm c.c.

- The c channel (MC 38) are then attached to the hanger and aligned to the ceiling level at 1200mm c.c.

- The spring tee are then fixed to the c channel at 600 mm c.c. with furring clips.

- The Clip In tiles are then fixed to the spring tee.

Description

Metal Ceiling panels are available in a wide range of patterns and finishing to meet any permormance and aesthetic demand.

The Lay In and Tegular ceiling panels are ideal for all buildings. They can be easily removed allowing a practical access to the void as well as a routine inspection of the equipment.

Clip In panels are ideally suited to hospitals where smooth and washable surface are required for hygienic reasons.

All the ceilings can be supplied with suitable modular light fixtures that are easy to intall.

Panels can be perforated and provided with a sound absorbent tissue on the back, making them excellent for acoustical properties.

Clip In

Clip In is a system characterized by a concealed grid, which gives the ceiling a monolithic appearance.

The panels are especially suitable for buildings where smooth and washable surface are required for hygienic reasons.

Technical Properties

Material & Thickness
- Pre Painted - Aluminium: 0.50 and 0.60 mm
- Pre Painted - Galvanized Steel: 0.50 mm

Modulation
- 600 X 600 mm, Beveled Edge

Grid
- Clip In (Concealed)

Testing Standards
- ASTM E84, Classified under Class A
- ASTM C423 - 02A, NRC : 0.60
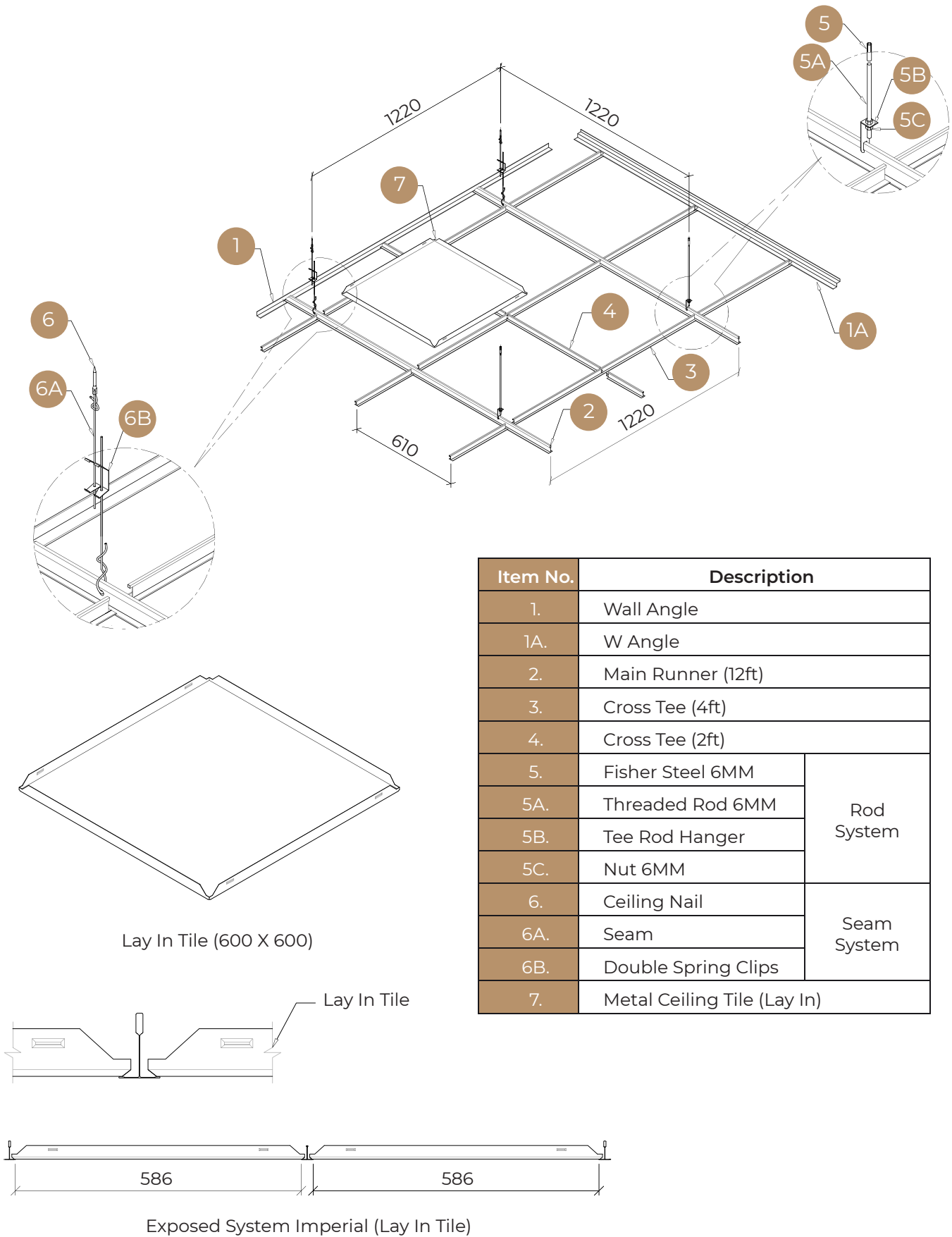
Weight (Panel)
- Aluminium thickness 0.50 mm   1.58 Kg / Square Meter
- Aluminium thickness 0.60 mm   1.900 Kg / Square Meter
- Steel thickness 0.50 mm   4.60 Kg / Square Meter

Colors
- White: RAL 9010
- Silver (Grey Metallic): RAL 9006
- Other colors are available based on minimum ordering quantity.

Metal Ceiling Tile - Lay In System

1220
1220
610
1220

5
5A
5B
5C

7

1

4

3

2

1A

6

6A

6B

Lay In Tile (600 X 600)

Item No.	Description	
1.	Wall Angle	
1A.	W Angle	
2.	Main Runner (12ft)	
3.	Cross Tee (4ft)	
4.	Cross Tee (2ft)	
5.	Fisher Steel 6MM	Rod System
5A.	Threaded Rod 6MM	
5B.	Tee Rod Hanger	
5C.	Nut 6MM	
6.	Ceiling Nail	Seam System
6A.	Seam	
6B.	Double Spring Clips	
7.	Metal Ceiling Tile (Lay In)	

Lay In Tile

586
586

Exposed System Imperial (Lay In Tile)

Installation Guide

- The wall angles or w angles are first fixed to the required ceiling levels.

- The hangers (seam / rod) are then fixed to the ceiling slabs at 1220 mm c.c.

- The main runner (12ft) are then attached to the hanger and aligned to the ceiling level required at distances of 1220 mm c.c.

- The cross tee (4ft) are then attached to the main runner (12 ft).

- The cross tee (2ft) are attached to the cross tee (4ft).

- The Lay In tiles are then fixed

Lay In

These square edge panels are fixed into an exposed grid system that allows an easy ceiling installation while providing a total access to the void area.

Technical Properties

Material & Thickness

- Pre painted aluminium: 0.50 and 0.60 mm

- Pre painted galvanized steel: 0.50 mm

Modulation

- 600 x 600 mm
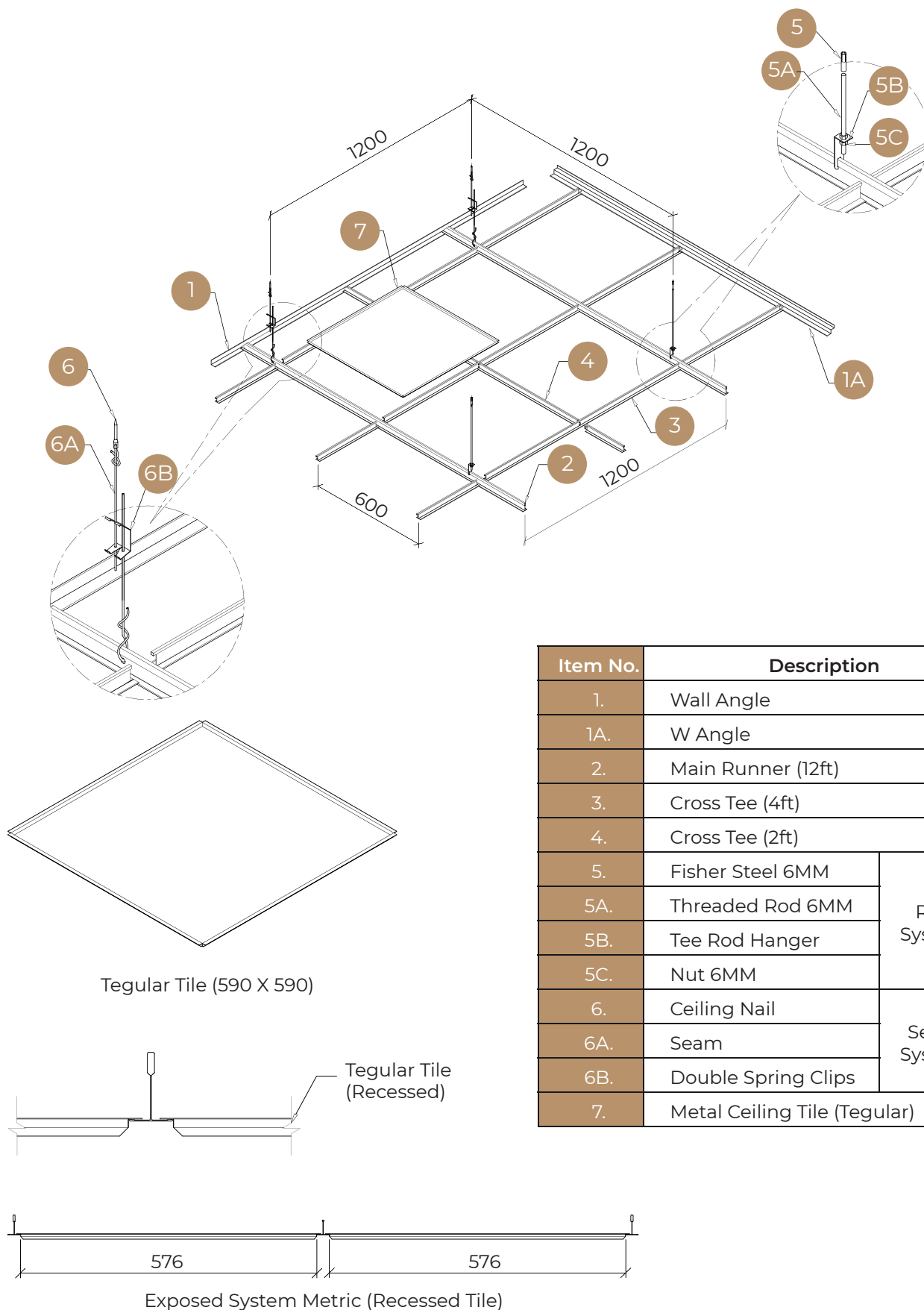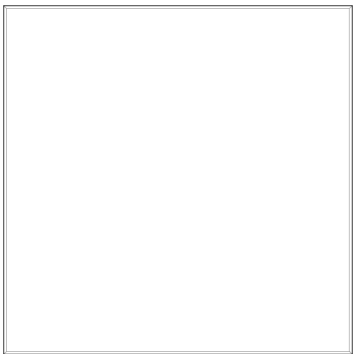
Grid

- T 24mm (Imperial)

Weight (Panel)

- Aluminium thickness 0.50 mm   1.58 Kg / Square Meter
- Aluminium thickness 0.60 mm   1.90 Kg / Square Meter
- Steel thickness 0.50 mm   4.60 Kg / Square Meter

Colors

- White: RAL 9010
- Silver (Grey Metallic): RAL 9006
- Other colors are available based on minimum ordering quantity.

Tegular Tile With Grid System

Tegular Tile (590 X 590)

Tegular Tile (Recessed)

Exposed System Metric (Recessed Tile)

576   576

Item No.	Description	
1.	Wall Angle	
1A.	W Angle	
2.	Main Runner (12ft)	
3.	Cross Tee (4ft)	
4.	Cross Tee (2ft)	
5.	Fisher Steel 6MM	Rod System
5A.	Threaded Rod 6MM	
5B.	Tee Rod Hanger	
5C.	Nut 6MM	
6.	Ceiling Nail	Seam System
6A.	Seam	
6B.	Double Spring Clips	
7.	Metal Ceiling Tile (Tegular)	

Tegular

The Tegular panel is characterized with its recessed and beveled edge which is lower than the grid system. The relief effect makes it possible to obtain aesthetic solutions at low cost.

Technical Properties

Material & Thickness

- Pre painted aluminium: 0.50 and 0.60 mm.
- Pre painted galvanized steel: 0.50 mm.

Modulation

- 590 X 590 mm Beveled edge

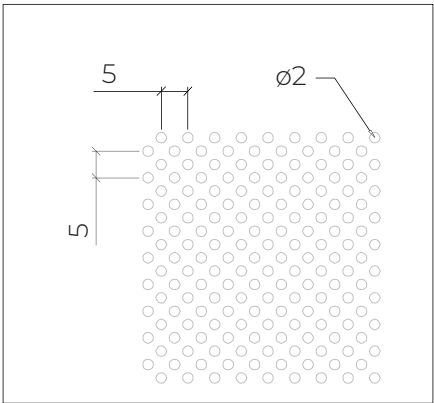### Grid

- T 24mm (Metric)

Weight (Panel)

- AluminIum thickness 0.50 mm   1 .350 Kg / Square meter
- AluminIum thickness 0.60 mm   1 .620 Kg / Square meter
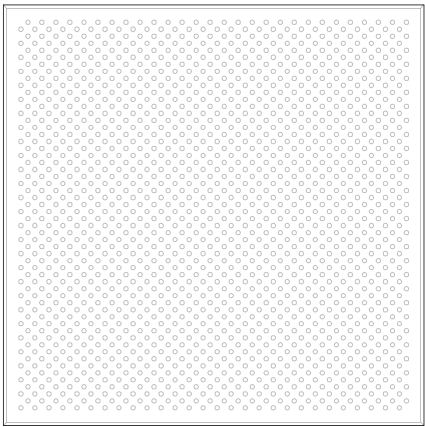- Steel thickness 0.50 mm   3 .920 Kg / Square meter

Colors

- White: RAL 9010
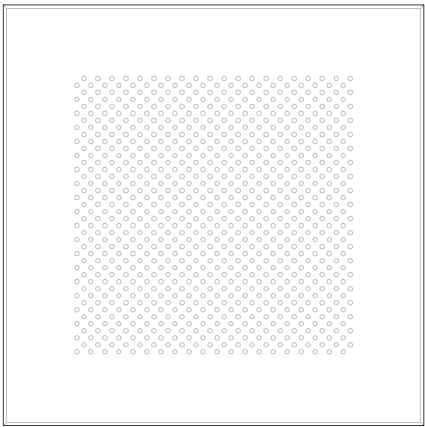- Other colors are available based on minimum ordering quantity.

Installation Guide

- The wall angles or w angles are first fixed to the required ceiling levels.

- The hangers (seam / rod) are then fixed to the ceiling slabs at 1200 mm c.c.

- The main runner (12ft) are then attached to the hanger and aligned to the ceiling level required at distances of 1200 mm c.c.

- The cross tee (4ft) are then attached to the main runner (12ft).

- The cross tee (2ft) are attached to the cross tee (4ft).

- The Tegular tiles are then fixed

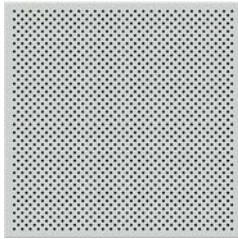# Perforation Detail & Pattern

Plain

Full Perforation

400X400 Perforation

Technical Properties

Perforation

The holes diameter is 2mm and the perforated area covers 25%. Standard version panels can be supplied with an unperforated area of 10 mm (full perforated). Panels are also available with unperforated area of 100 mm (400 X 400 mm perforated area).

Acoustical Absorption:

Metal panels can be supplied with an acoustical felt on the back to improve sound absorption alternatively, it is possible to install mineral wool sheets protected by black polyethylene behind the panel.

Humidity

Metal panels are suitable for areas with high relative humidity levels and thermal changes, maintaining their dimensional stability even in adverse conditions.

Additional Information

All metal panel ceilings offer a flexible integration of false ceiling accessories such as lights, ventilation sprinklers, smoke detectors and suspended sign systems.

Light Reflection

Light reflectance is estimated at >85% for white unperforated panels.

The standard brightness is 20 gloss.

Painting

Aluminium & Steel panels are Pre painted with primer and polyester paint. Panels are also available with powder coating.

METAL CEILING TILES (PLAIN, ACOUSTIC)

ISO

Metal Product Company's quality system for production and development is
ISO 9001, 14001, 45001 Certified.

Metal Product Company many years of experience of the optimal utilization of our
steel production system. We place this know how at the disposal of the building
trade both through our printed information materials and personal advice
given to the major projects

MPC
METAL PRODUCTS COMPANY
شركة منتجات المعادن

WALL SYSTEMS	CLADDING SYSTEMS	CEILING SYSTEMS