

AL DHABI FALSE CEILINGS

CREATIVITY IS OUR
CONCEPT

COMPANY
PRODUCTS



AL DHABI
FALSE CEILINGS



TRANSENDING OUR MISSION TO QUALITY PRODUCTS & SERVICES



Our aim as a specialized company is to manufacture the highest-grade interior finishing products according to the highest global standards and to provide qualitative contracting services for the contracting and construction industry in Egypt and the MENA region. Our engineering and business strategies allow us to produce and deliver excellence to our clients by utilizing our experienced human resources as well as deploying the latest technologies in our work process.



COMPANY OVERVIEW

Since our inception in 1998, we managed to develop our corporate brand name by focusing on value-adding business strategies. As of 2018, Al-Dhabi is now comprised of two subsidiary companies, Al-Dhabi Contracting Company and Al-Dhabi False Ceiling Company. These developments allowed us to continuously work towards our vision in becoming a self-reliant manufacturing and service provider for interior-finishing projects. Our self-reliance strategy allowed us to ensure quality of products delivered associated with quality installation and contracting services set forth by our company in accordance with global standards.

As of 2018 and through our long-lasting business relationships, we have managed to become the sole licensee in Egypt to manufacture GSP Ceilings UK and Hunter Douglas Netherlands false ceiling products. Both of our plants are solely dedicated to manufacture Hunter Douglas metal tiles & strips and GSP Ceilings GRG ceiling tiles. In addition, we also produce our own metal profiles for gypsum ceilings and drywall metal systems.

GSP CEILINGS

HunterDouglas 



PROJECTS PORTFOLIO



Cairo International Airport: Hall 3



Cairo Telecoms Building: Smart Village



Children Cancer Hospital 57357



Hurghada Airport



Smart School

Our commitment to excellence allowed us to perform contracting services to many prestigious and renowned clients. The following projects are samples from our contracting services performed across Egypt.



OUR PROJECTS



Cairo International Airport is the international airport of Egypt's capital city and the busiest nationwide and serves as the primary hub for international airlines. our company constructed the false ceiling works for the new Terminal 2 and Terminal 1 Halls 2 & 3.



Cairo International Airport: Terminal Building 2



Citystars Heliopolis is a living landmark in Cairo that operates on a number of different levels. There are four components in all; shopping and entertainment, offices, residential and hospitality.



City Stars Mall: Phase 1



Located in 6th of October City, Mall of Egypt is the first shopping destination of its kind in Egypt. With a gross leasable area of 165,000 m², Mall of Egypt houses the best local and international retailers. It is owned & managed by Majid Al-Futtaim.



Mall of Egypt



FALSE CEILING GRG TILES

We have built many business relations across the years that we are confident to be long-lasting. Since 2001 until today, we have built a strong relation with the well-known GSP Ceilings UK to become the sole licensee to manufacture GSP Ceilings' products in Egypt. Currently we produce 32 different GRG tiles under the license from GSP UK.

Combining Gypsum, an environmentally friendly 3,000 year old material with modern day high tech glassfibre reinforcement, traditional craft 'know-how' and the latest CAD-CAM technology, GSP creates a wide range of moulds that enable its licensees to produce GRG ceiling tiles to engineering standards. This unique composite material, pioneered by GSP in 1970, has evolved into a range of more than 80 standard ceiling tiles, panels and perimeter details to provide a cost effective solution for most suspended ceiling applications.

Our tiles are manufactured from GRG (Glass Reinforced Gypsum) and comprise of non-combustible gypsum plaster reinforced with a glassfibre membrane resulting in a light-weight, strong, naturally prestressed panel, Standard dimensions is 600 x 600 mm,

TECHNICAL SPECIFICATIONS GRG TILES

SURFACE FINISH: The plaster has a molded fine, smooth or textured finish and may be supplied pre-decorated to order or with a natural finish.

DESIGNS: The designer's imagination is the only limit to what may be produced in terms of shape, pattern and surface finish,



PERFORMANCE:

NON-COMBUSTIBILITY: GSP tiles are rated noncombustible as defined in BS 476.

SURFACE SPREAD OF FLAME: GSP tiles are rated class 1 for surface spread of flame according to BS 476.

FIRE PROPAGATION: GSP tiles achieved class 0 material in accordance to BS 476.

SMOKE AND TOXIC FUME EMISSION: GSP tiles are zero rated for smoke emission. No Toxic fumes are given off.

COMBUSTION CHARACTERISTICS: GSP tiles meet the requirements of ASTM Designation E 136-95.

HUMIDITY: The tiles have excellent moisture resistance and can be used in areas of high humidity including covered external areas. Tested in an atmosphere of 95% RH at 21 °C for 14 days, the tiles did not sag or distort and showed only minimal increase in weight.

ACOUSTICS: SOUND ABSORPTION: High performance perforated tiles are able to achieve Noise Reduction Coefficients (NRC) of 0.74 while semi-perforated tiles have NRC values of 0.58 (equal to mineral fiber tiles).

SOUND ATTENUATION: Tests have confirmed Sound Transmission Coefficients (STC) of 38.

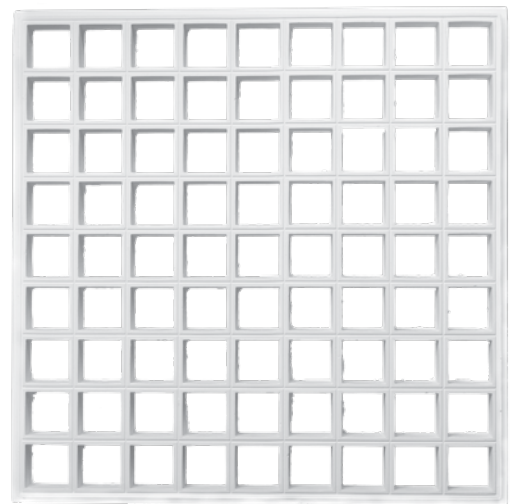
POINT LOADING: Each tile will accept a point load of up to 13 kg without the need of a yoke.

BIOLOGICAL: GSP tiles will not support the growth of bacteria or other micro-organisms.

THERMAL: Thermal conductivity, (k value): 0.45 W / mk

OPTICAL: Light reflectance of self-finished tiles is estimated at 75%.

LIFE-SPAN: Under normal conditions GRG tiles will not deteriorate and can be expected to last the lifetime of the building.



T906

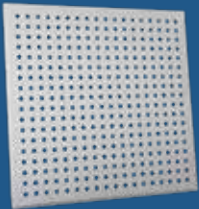
For All Tiles: Grid Table Size 24 mm (Module Size 600 x 600 mm)

Product Codes	Regular Depth (mm)	Approx Wt./Tile (kg)	Approx Wt. /m2 (kg)
T 106,206,306,216, ...	10	3.80	10.56
T 146	-	3.10	8.61
T 336, G316	8	3.70	10.28
G 756,706	6	3.25	9.02
T 906	20	4.00	11.11
T 916	11	3.56	9.89
A 256	4	3.73	10.36

Here are some examples from our best selling ceiling tiles:

FALSE CEILING GRG TILES

A256



C061



C206



E206



G316



T176



T186



T206



T216



T260



T346



T355



T356



T366



T506

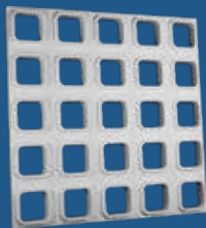


FALSE CEILING GRG TILES

G756



G956



T146



T156



T166



T261



T262



T306



T333



T336



T606



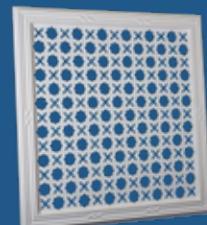
T706



T756



T916



T936



CEILING SYSTEMS

In order to cover all categories in the local in the local & African market. We decided to produce a variety of ceiling systems, each system has its own specifications & load bearing.

S	System	Thickness (mm)	Rod Spacing (mm)	C-38 Spacing (mm)	Omega Spacing	Max Load Kg / m ²
1	AD – C/O Light	0.5	1500	1200	600	25
2	AD – C/O Normal	0.6	1200	1200	600	35
3	AD – C/O Heavy	0.6	1000	1100	600	45
4	AD – C/O Extra	0.6	850	950	600	60
5	AD – C/O Seismic	0.6	850	850	600+ Bracing	75



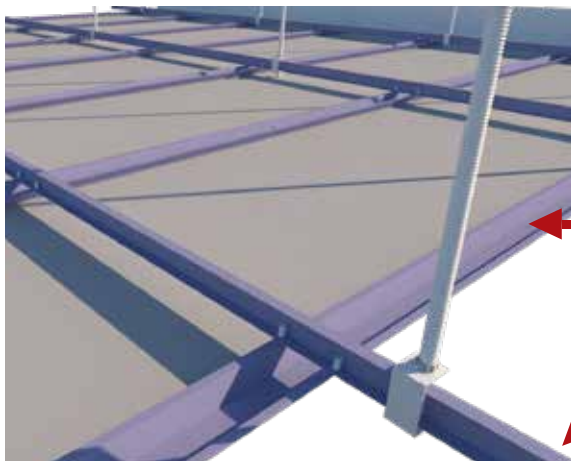
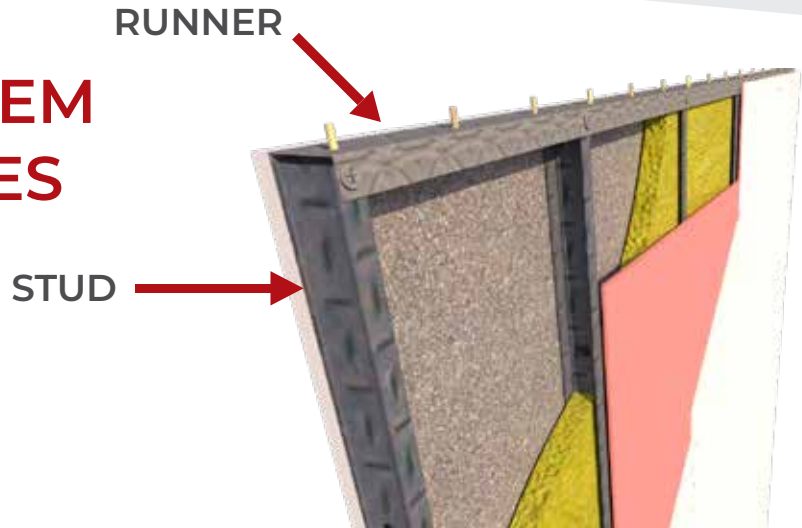
The client can pick whatever system suiting his needs.
 All products are of galvanization 120 gm / m².
 Threaded rods are 6 mm diameter.
 Omega is fixed to C-38 by means of 2 self-taping screws.



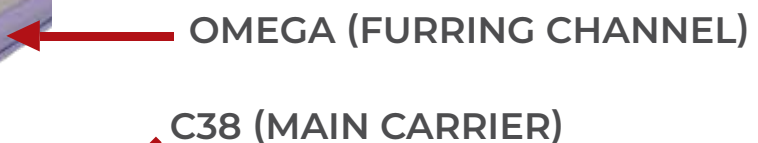
OUR METAL PROFILES

All of our metal profiles are manufactured in compliance with ASTM 635C and materials used in production comply with ASTM C955-11A. In addition, our standard sheet metal thickness is 0.6 mm with 120 gm/m² galvanization and 3000 mm length. In addition, we have the capability to produce different thicknesses from 0.4 up to 1 mm, galvanization up to 275 gm/m², and lengths up to 6000 mm. In our contracting work, we mainly use 2 systems that we have developed and mastered over the years; Drywall partitioning system and suspended ceiling system. The constituents of each system are illustrated below:

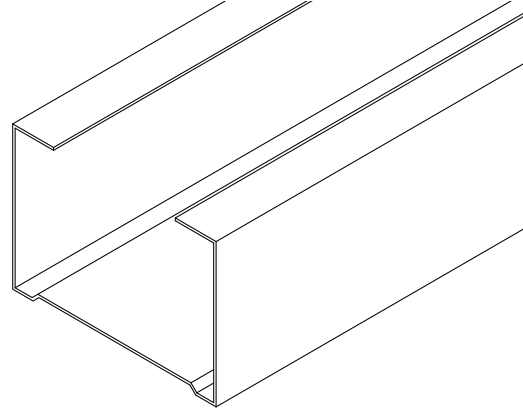
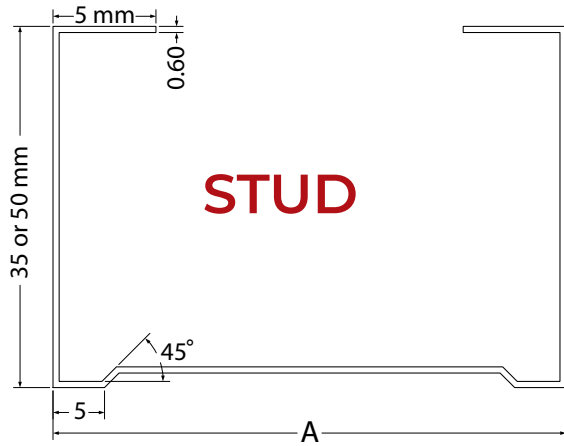
PARTITION SYSTEM METAL PROFILES



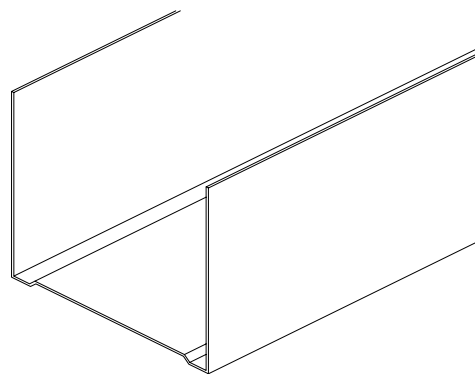
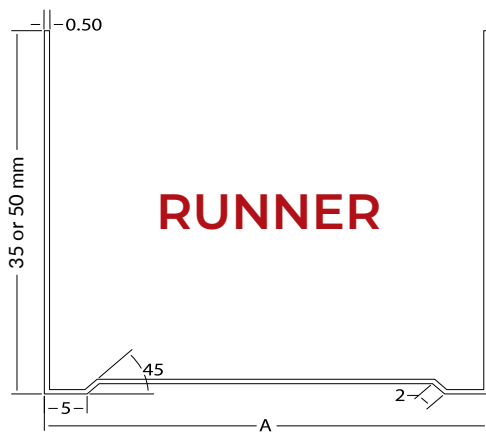
SUSPENDED CEILING METAL PROFILES



PARTITION SYSTEM



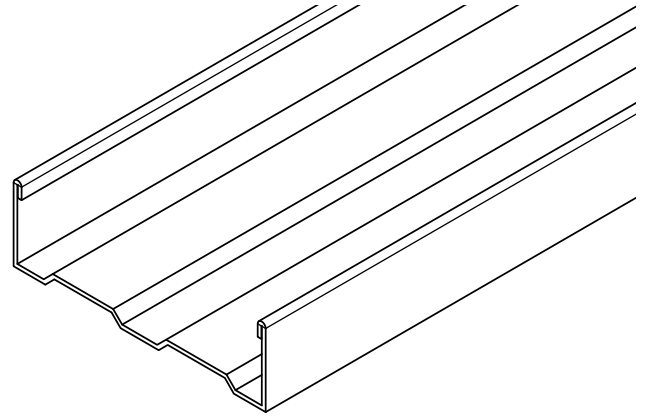
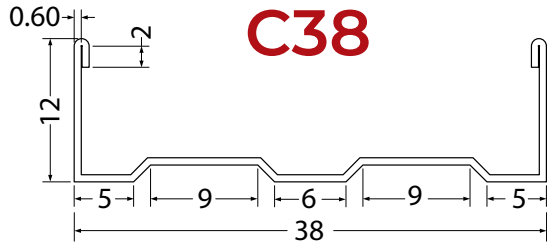
Feature	50S60	60S60	75S60	90S60	100S60	150S60
Available Widths (A)	50 mm	60 mm	75 mm	90 mm	100 mm	132 mm
Weight Per Meter Length	0.65 Kg/m	0.685 Kg/m	0.75 Kg/m	0.828 Kg/m	0.88 Kg/m	2.4 Kg/m
I_x	1.5 cm ⁴	1.57 cm ⁴	1.7 cm ⁴	1.72 cm ⁴	1.9 cm ⁴	3.65 cm ⁴
I_y	3.44 cm ⁴	6.1 cm ⁴	7.4 cm ⁴	10.3 cm ⁴	17.1 cm ⁴	34.6 cm ⁴
Tensile Strength	360-510 MPa					
Yield Strength	235 MPa					



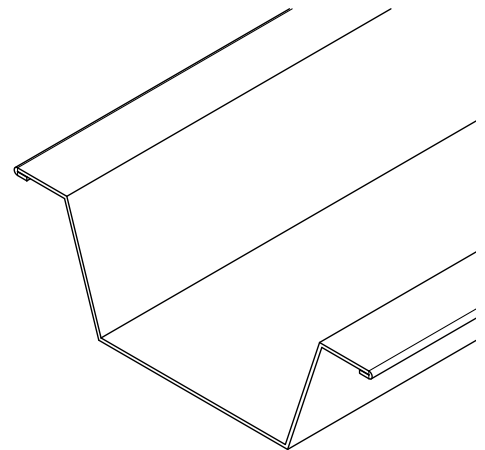
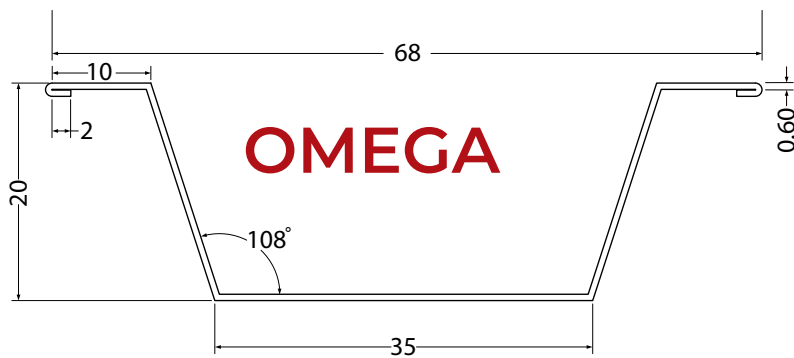
Feature	52DC50	62DC50	77DC50	92DC50	102DC50	152DC50
Available Widths (A)	52 mm	62 mm	77 mm	92 mm	102 mm	117 mm
Weight Per Meter Length	0.59 Kg/m	0.66 Kg/m	0.69 Kg/m	0.75 Kg/m	0.78 Kg/m	3.01 Kg/m
I_x	0.79 cm ⁴	0.84 cm ⁴	0.9 cm ⁴	0.95 cm ⁴	0.97 cm ⁴	1.07 cm ⁴
I_y	2.86 cm ⁴	4.25 cm ⁴	6.95 cm ⁴	10.5 cm ⁴	13.3 cm ⁴	34.4 cm ⁴
Tensile Strength	360-510 MPa					
Yield Strength	235 MPa					



SUSPENDED CEILING METAL PROFILES



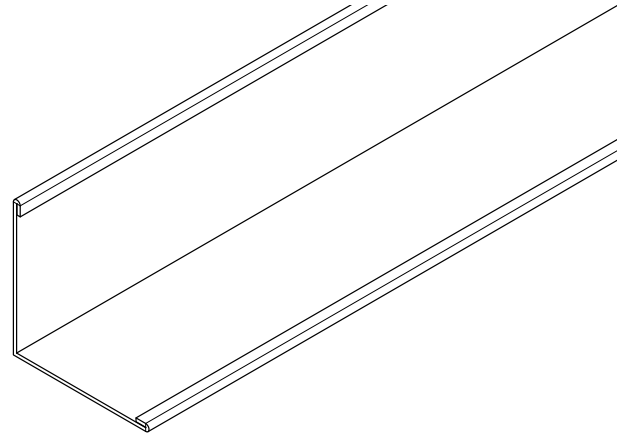
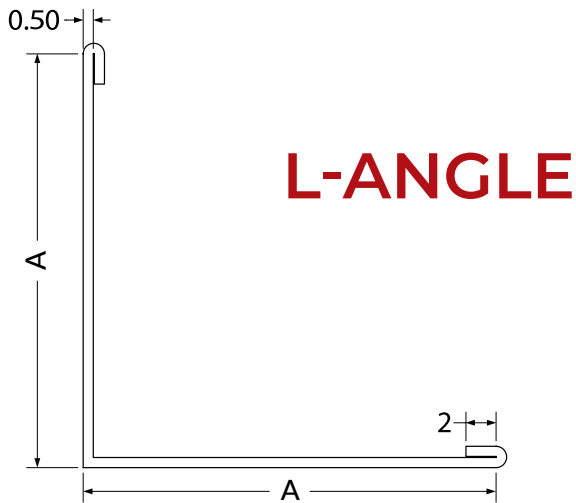
FEATURE	C38/60
Weight Per Meter Length	0.3 Kg/m
I_x	0.04 cm ⁴
I_y	0.75 cm ⁴
Tensile Strength	360-510 MPa
Yield Strength	235 MPa



FEATURE	FC20/60
Weight Per Meter Length	0.47 Kg/m
I_x	0.36 cm ⁴
I_y	1.46 cm ⁴
Tensile Strength	360-510 MPa
Yield Strength	235 MPa

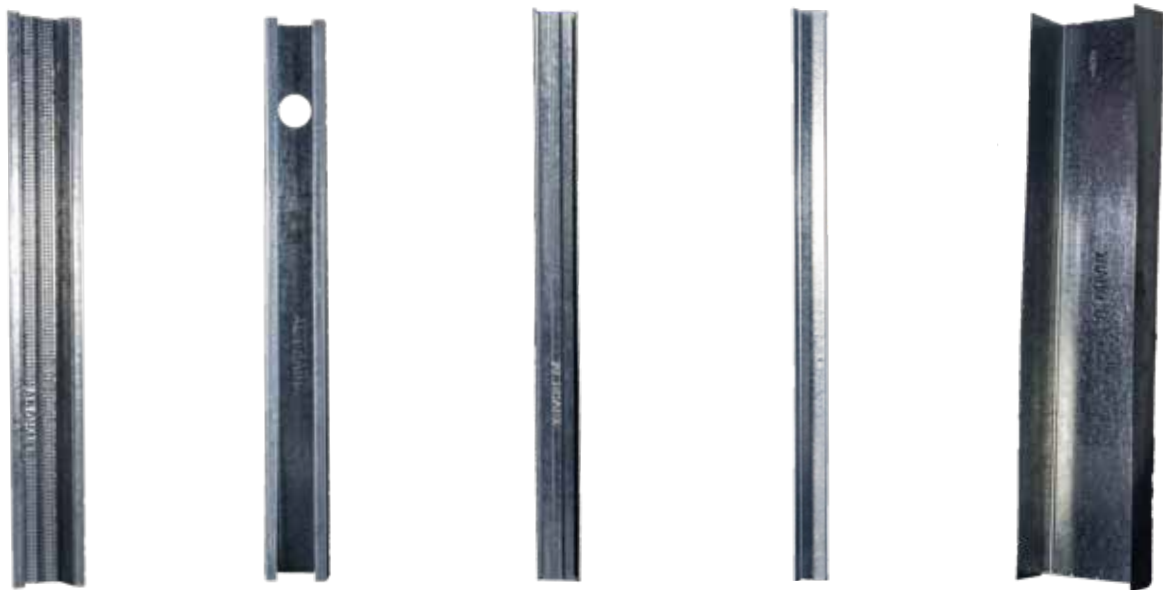


SUSPENDED CEILING METAL PROFILES

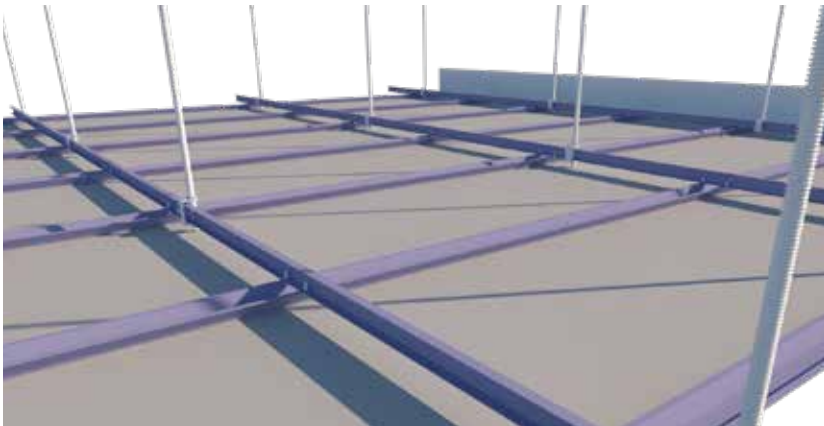


A = 20 or 25 mm

FEATURE	L 20 / 50	L 25 / 50
Weight Per Meter Length	0.2 Kg/m	0.23 Kg/m
I_x	0.13 cm ⁴	0.16 cm ⁴
I_y	0.13 cm ⁴	0.16 cm ⁴
Tensile Strength	360-510 MPa	
Yield Strength	235 MPa	



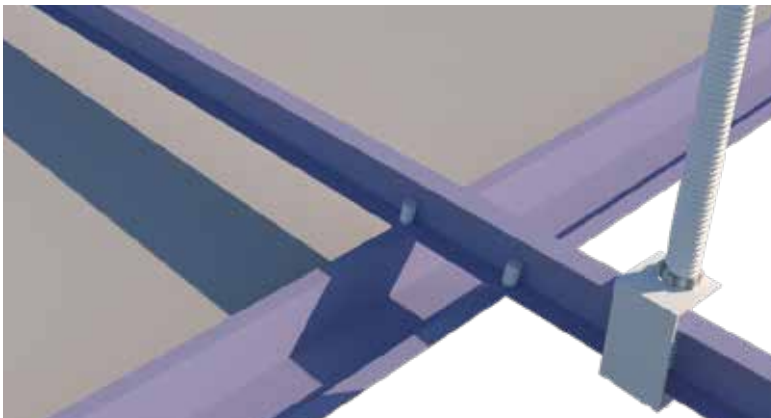
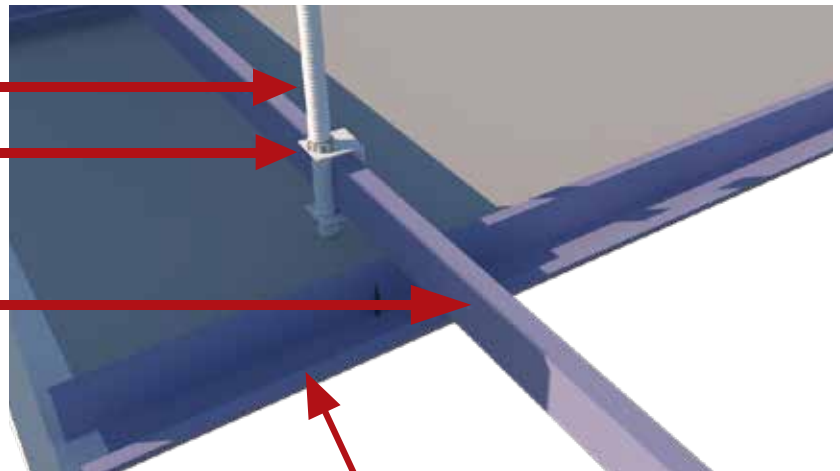
HOW DO WE INSTALL OUR SUSPENDED CEILING SYSTEMS ?



Overall look of the finished assembly

Threaded Rod
Brackets, Washers
and Nuts

Main Carrier (C38)



Secondary
Furring
Channel
(Omega)



01

Metal Anchor

6 mm metal anchors are drilled and fixed to concrete soffits.

02

Threaded Rod

Galvanized 6 mm threaded rods are then securely fixed to the metal anchors with spacing between 1000 up to 1200 mm.

03

Brackets and Nuts

38 mm height brackets are mounted to the threaded rods and secured by the use of two 6 mm diameter washers and nuts.

04

Main Carrier (C-38)

38 mm height C-Channel acting as the main carrier and is fixed through the bracket's cavity with spacing of 1200 mm.

05

Secondary Furring Channel (Omega)

The double-flanged furring channel is then fixed directly and perpendicular to the main carrier (C38) using one Tec screw on each flange. Its bottom is rough for boards fixation and the omegas are spaced every 400 or 600 mm.

06

Wall Angle (L-Angle)

20 or 25 mm angles are to be fixed around the perimeter of the ceiling to the walls (masonry, concrete, gypsum, or any other material) by using suitable fixations to adjust the ceiling level.

07

Gypsum Boards

There are several consumer types of boards:

- Normal boards
- Moisture resistant boards for wet areas.
- Fire resistant boards
- Sound Absorption Boards
- Fibre Cement Board

Common thicknesses used are 12.5 mm and also available in 7, 9, and 15 mm as per the project requirements.

- Boards are to be fixed to the furring channel using board screws every 300 mm.
- For double-layer ceilings, the second layer is to be staggered in both directions by 400 or 600 mm.

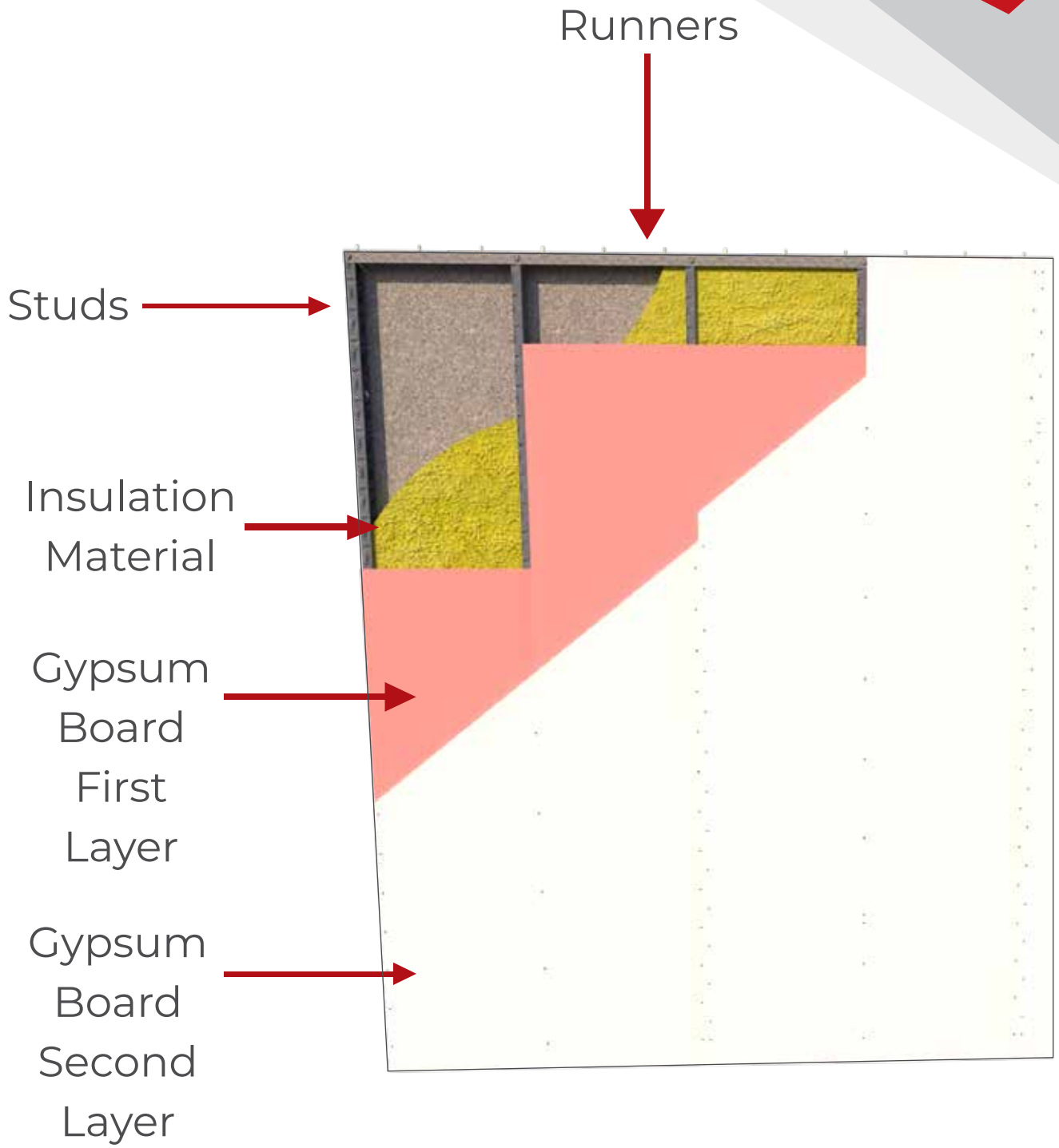
08

Auxiliary Materials

- Tec screws for fixing metal framing elements together.
- Drywall Screws (25 mm)
- Shadow gap angle
- L-Bead
- U-Bead
- Plastic anchors
- Gypsum Putty
- Fiber tape
- Metal tape



HOW DO WE INSTALL OUR PARTITION SYSTEMS ?





Drywall Partitioning System

- Runners (52, 62, 77, 92, 102 or 152 mm width):
 - U-shaped channels that are fixed horizontally to the concrete floor and soffit using plastic anchors and 35 mm screws every 500 mm.
- Studs (50, 60, 75, 90, 100 or 150 mm width):
 - U-shape channels with ship lap edge bent back and rough sides for gypsum boards installation.
 - Studs are fixed vertically to both bottom and top runners using tec screws. Spacing between consecutive studs is usually from 300 to 600 mm or as per the project specifications.
- Gypsum Boards Installation:
 - Any type of boards are to be fixed to both sides of the studs using drywall screws every 300 mm.
 - The number of layers and type of boards vary according to the project specifications.



Auxiliary Materials

- Tec screws for fixing metal framing elements together.
- Drywall screws:
 - 25 mm for fixing single layer of gypsum boards to metal framing.
 - 35 mm for double layer or wall angle or runners.
 - 45 mm, 55 mm, 75 mm, for suitable no. of layers of boards.
- L-Bead
- Fiber tape
- Plastic Anchors



Gypsum Boards

There are several consumer types of boards:

- Normal boards
- Moisture resistant boards for wet areas.
- Fire resistant boards
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Common thicknesses used are 12.5 mm and also available in 7, 9, and 15 mm as per the project requirements.

- Boards are to be fixed to the furring channel using board screws every 300 mm.
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HEALTH, SAFETY, AND ENVIRONMENT MEASURES

Al Dhabi False Ceiling and its management team are completely committed to the safety and health of all employees. It is our first priority that every employee goes home safe every day.

MANAGERS AND SUPERVISORS RESPONSIBILITIES

Our strong safety culture is achieved through collaboration and cooperation of employees and management, management provides the resources for our safety program and is committed to the following responsibilities:

1. To provide a work environment that protects employees from occupational injuries and illnesses.
2. To design, implement, and monitor company safety policies and procedures.
3. To lead annual reviews in company safety programs and procedures.
4. To clearly establish the safety and health responsibilities of all employees and to induce them in written job descriptions.
5. To ensure that visitors receive appropriate training on the hazards they might be exposed to.

EMPLOYEE RESPONSIBILITIES

1. To follow all company safety and health policies and procedures.
2. To immediately stop work in any instance where they feel safety or health is in jeopardy.
3. To complete all necessary training before performing work.
4. To use all the required personal protective equipment (PPE).
5. To inform management of all safety and health concerns.





AL DHABI
FALSE CEILINGS

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