Drywalls Ceilings Systems

SUB-GRID Ceiling Systems

SYSTEM COMPONENTS ASSEMBLY & FINISHING



SYSTEM (ZC 050, ZC 065 & ZC 095H)

BRINGING PLASTERBOARD TO LIFE

WE ARE THE PIONEERS ... WE ARE THE BEST



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ALZAHABIA
WALLS & CEILINGS PROFESSIONALS

(SUB-GRID ZC O65 & ZC O65H)

General Introduction

ALZAHABIA - offers you a variety of Sub Ceiling (SUB-GRID) systems that are used as a medium for distributing different weights where the distance between the construction ceiling and the suspended ceiling is more than 3 meters, or the assembly of the suspended ceiling is difficult due to appropriate hanging articles. and as well, using it as a(light) walk way for maintenance (Through the creation of a surface of wooden boards on the Main Carrier as needed. Services are incorporated with ease above the Sub-Grid systems.

Main Features of The Sub-Ceiling Systems:

- Easy and fast to install.
- Anti rust profile materials.
- Different weights available as needed.
- Components easily fit together (No welding is needed).

Introduction (ZC O50)

The (ZC O50) SUB - GRID Suspended Ceiling IS USED AS A SUB CEILING ONLY, It does not support the function of walking on it and that the maximum hanging height is 135cm .

The (ZC O50) SUB - GRID Suspended Ceiling Consists of :
* (CH50) - 1mm Main Carrier
* (CH38) - 1mm Secondary Carrier
* (UB50) - 1mm Connecting Bracket
* (GA25) - 0.8mm Perimeter angle .
(The system Comply with ASTM C645)

Installation of the ZC O50

1- Decide the drop distance from the constructed ceiling and the Premeter angle level. in order to cut the required length of the Threaded Rods + 15cm.

2- Fix the Threaded Rods (6-8cm) into the main ceiling according to the type (Concrete OR Metal), ensring that the distance between them is no more than 135cm in the direction of the main carrier and 120cm perpendicular on it.
3- Fix the Main carrier (CH50) by passing the threaded rods trough using the (UB50) bracket and tighten using nuts both below and above the (UB 50) bracket.
$- Fix The Secondary Carrier (CH 38) at distances of 120cm Vertically above the main carrier (CH 50) and connect using (Pan Tec) screws.
5 - Hang the Sub-Ceiling to the Main Carrier (CH50) using the (UB50) bracket by passing through the threaded rods 6mm at distances of 120cm in both direction.

(PLEASE REFER TO THE INSTALLATION DIAGRAMS ON PAGE 36 FOR DETAILS)

Introduction (ZC O65)

The (ZC O65) SUB - GRID Suspended Ceiling IS USED AS A SUB CEILING ONLY, It does not support the function of walking on it and that the maximum hanging height is 180cm .

The (ZC O65) SUB - GRID Suspended Ceiling Consists of :
* (CH65) - 1mm Main Carrier
* (CH38) - 0.5mm Secondary Carrier
* (UB65) - 1mm Connecting Bracket
* (GA25) - 0.8mm Perimeter angle .



Environment Friendly Products

ALZAHABIA recommend that, always suspend heavy loads, air ducting, lighting units, etc.directly from structural soffit to prevent point loading of the ceiling system.

GENERAL INTRODUCTION & (SUB-GRID ZC O65 & ZC O65H)

Installation of the (ZC O65)

1- Deside the drop distance from the costructed ceiling in order to cut the required lenghth og the Treaded Rods + 15cm and the Premeter angle level.
2- Fix the Threaded Rods (6-8cm) into the main ceiling according to the type (Concrete OR Metal), ensring that the distance between them is no more than 135cm in the direction of the main carrier and 120cm perpendicular on it.
3- Fix the Main carrier (CH65) by passing the threaded rods trough using the (UB50) bracket and tighten using nuts both below and above the (UB 65) bracket.
$- Fix The Secondary Carrier (CH 38) at distances of 120cm Vertically above the main carrier (CH 50) and connect using (Pan Tec) screws.
5 - Hang the Sub-Ceiling to the Main Carrier (CH65) using the (UB65) bracket by passing through the threaded rods 6mm at distances of 120cm in both direction.

(PLEASE REFER TO THE INSTALLATION DIAGRAMS ON PAGE 36 FOR DETAILS)

Introduction (ZC O65H)

The (ZC O65) SUB - GRID Suspended Ceiling IS USED AS A SUB CEILING ONLY, It does not support the function of walking on it and that the maximum hanging height is 240cm .

The (ZC O65) SUB - GRID Suspended Ceiling Consists of :
* (CH65) - 1.5mm Main Carrier
* (CH38) - 0.5mm Secondary Carrier
* (UB65) - 1mm Connecting Bracket
* (GA25) - 0.8mm Perimeter angle .

Installation of the (ZC O65H)

1- Decide the drop distance from the constructed ceiling in order to cut the required length of the Threaded Rods + 15cm and the Perimeter angle level.
2- Fix the Threaded Rods (6-8cm) into the main ceiling according to the type (Concrete OR Metal), ensring that the distance between them is no more than 240cm in the direction of the main carrier and 120cm perpendicular on it.
3- Fix the Main carrier (CH65) by passing the threaded rods trough using the (UB50) bracket and tighten using nuts both below and above the (UB 65) bracket.
$- Fix The Secondary Carrier (CH 38) at distances of 120cm Vertically above the main carrier (CH 50) and connect using (Pan Tec) screws.
5 - Hang the Sub-Ceiling to the Main Carrier (CH65) using the (UB65) bracket by passing through the threaded rods 6mm at distances of 120cm in both direction.

(PLEASE REFER TO THE INSTALLATION DIAGRAMS ON PAGE 36 FOR DETAILS)

TECHNICAL DATA SHEET:

MATERIAL

Made of Galvanized steel that is resistant to rust and adhere to ESTEEM Assay, AND ASTM A653, The galvanization layer from a minimum of G40 up to G90 according to ASTM C754-11.
Yield strength 330mpa, and Tensile strength is between 270 - 380mpa .
All systems are in correspondence with earth quake resistance..

Maximum Load Baring Table:

Main channel	DIMENIONS	Thickness	Max Loading/M2
ZC O50	50*25*10	1	75
ZC O65	65*30*10	1	75
ZC O65H	65*30*10	1.5mm	75



Environment Friendly Products

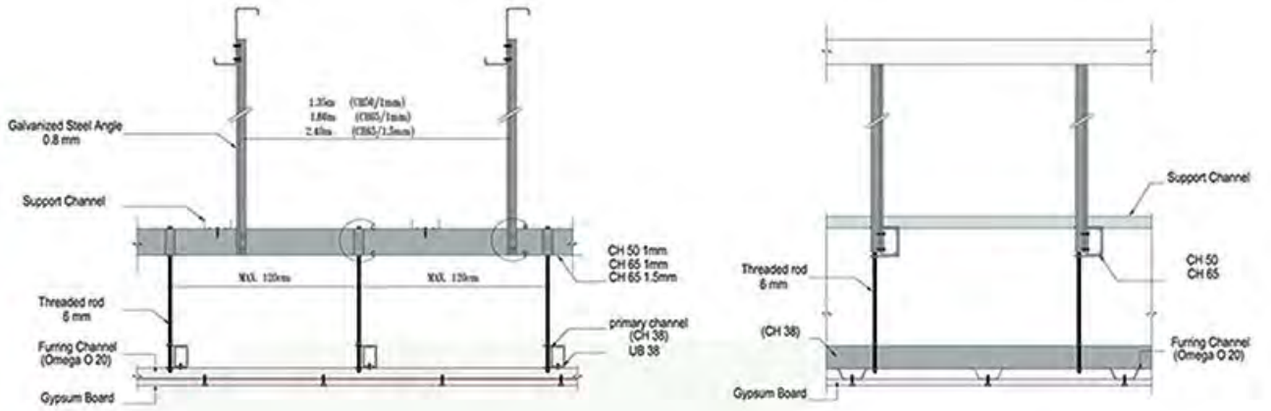
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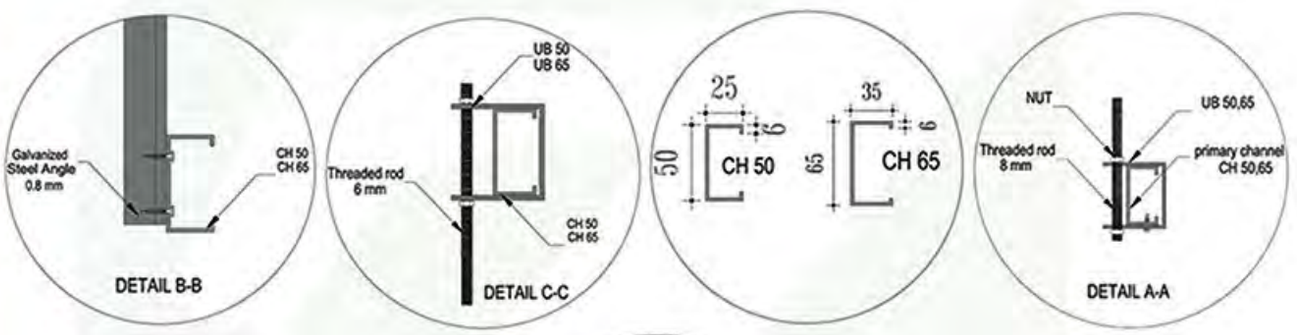
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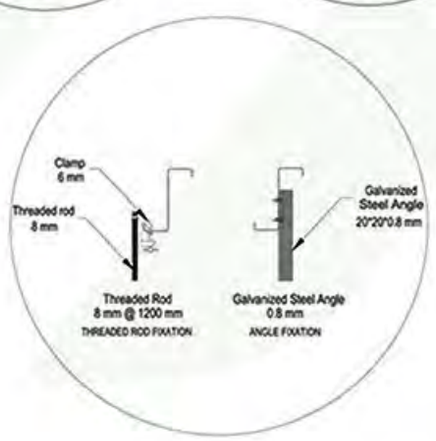
(SUB-CEILING) - GENERAL DETAILS

ANGLE FIXATION (Sub Ceiling with support channels)



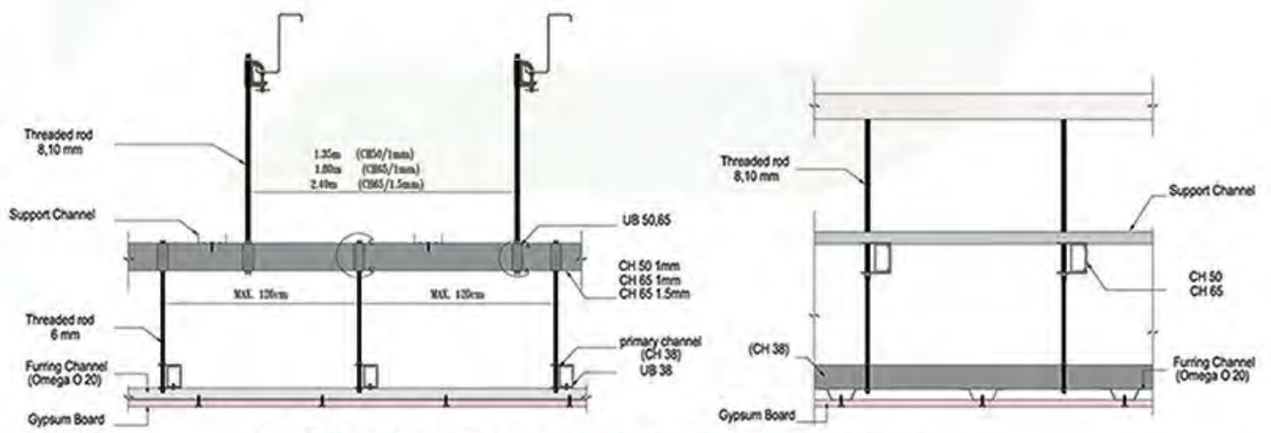


CEILING FIXATION DETAILS





Environment Friendly Products



THREADED ROD FIXATION (Sub Ceiling with support channels)