

Application

It apply in high rise building and building need high sound resistance such as hospital. However, it can apply in two types of wall namely

a) Solid Wall b) Dry Wall

What are the differences?

a) Solid Wall - which after putting all the frame (all the member C stud, U track, Top head Track) and gypsum board / Prima Liner, in between will pump in the Concrete to fill in. It is lighter and recognized by IBS and Bomba Class O Fire certificate.

b) Dry wall - which is void in between means the wall are consist of Partition frame with Gypsum board or equivalent Board only and no fill in Concrete.

Span and Spacing

1. For the Solid wall, the C stud section is span around 12" which is closer compared to dry wall. Spacing is subjected to customer requirement.
2. For the Dry wall, C stud section span may up to 24" with spacing 4'. It may subjected to loading enforce.

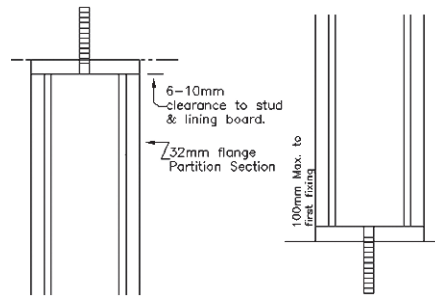


Installation Guidelines for Rofo® Light Gauge Wall Partition System

Step 1:

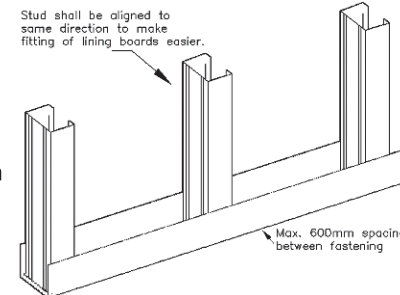
Measure and mark the U-Partition position on both ceiling and floor in perpendicularity in accordance with the floor plan layout.

Fasten the U-Partition on both the top and bottom positions.



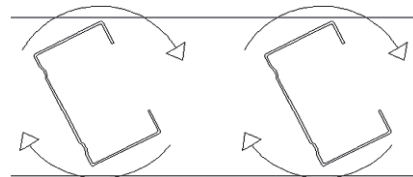
Step 2:

For safety purpose, the distance between each fastener must not be more than 600mm.



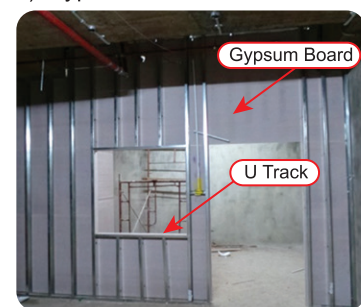
Step 3:

Install C-Stud Partition according to the wall height. Fixed the C-Stud first aside to the wall. Insert and twist to locate the C-stud Partition into U-Partition either by friction fit, crimped or screw. The distance between each C-Stud partition should be less or equal to 600mm c/c. Some particular point may alternatively to double by boxes up the C stud.



Installation At the window

- a) U Track as the frame
- b) Gypsum Board or Prima Liner



Installation Alert

1. Since it is light gauge system, after installing the C stud section it is totally not allowed to cut off the c stud section as shown at the Diagram. It will totally weaken the section and total wall structural strength as well.



2. After installation, it is necessary to have the proper marking at the surface of Gypsum Panel for the C stud location especially for Dry wall System. It is important for electrician or piping people to install the point at the surface of the wall.



Project References



KPJ Hospital, Kota Kinabalu, Sabah



Kastam Quarters, Sepang, Sabah



Private Hospital, Kota Kinabalu, Sabah

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Wall Partition System



Since 2008
PHIM Registration No. 07020229

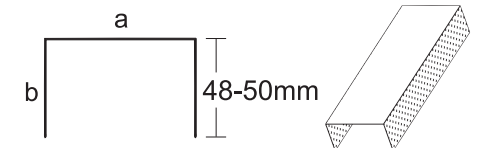
Rofo® Wall Partition System

Think Roof, Think Rofo.™

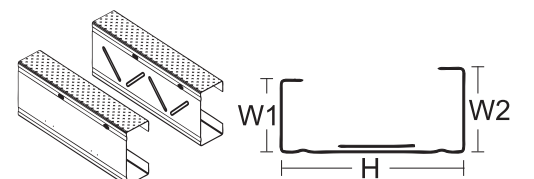
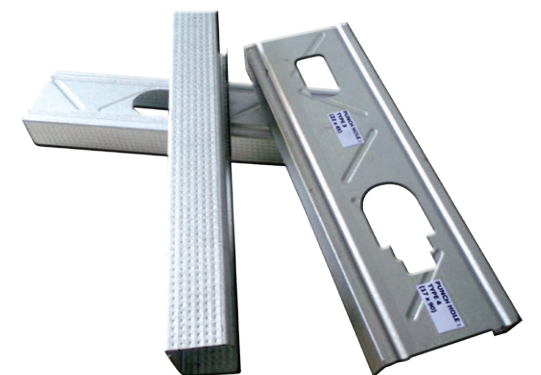
欲しい 屋根 , 欲しい Rofo



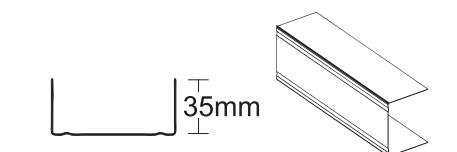
Photo shown C Stud, U Track & Top Head Track



3. Rofo-Top Head Track (THT)
RFT 603



1. Rofo C Stud Section (CSS)
RFC 601



2. Rofo-U Track Section (UTS)
RFU 602

Introduction

The Rofo Wall Partition System is the Green Product as recognized by CIDB Malaysia. It is lighter and higher density compare to traditional brick wall if it apply as solid wall type.



Website:



Join us at Facebook:



2009



2012



2012



2013



2014



Since 2008

Wall Partition System

Advantages



Lighter but Stronger



Easy Installation



No Wall Plastering



Water Resistance



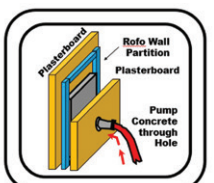
Apply with Wall Tile



No Micro Crack



Fire Resistance



Solid Wall Alternative



Good Finishing Result

Material Specification:

- 1. Thickness : 0.48mm-1.20mm
- 2. Base Steel Grade : Grade E G550 MPa or SGL 570
- 3. Base Metal Coating Type & Mass
 - i. Zinc Coating Mass : 220 g/m²
 - ii. AZ 55% Coating Mass : 150 g/m² or 100g/m²
 - iii. GF 5% Al 95% Zn Coating Mass = 180g/m²



Member 1 Rofo® C Stud Section (CSS) (RFC 601)

Section Advantages:

- 1) With M feature embossment to increase the strength due to better buckling resistance.
- 2) Dotted Surface at W1, W2 side not only increase the strength it is also not slitty when tapping the Screw.
- 3) Dimension B1 and B2 difference in 2mm is preparing to boxes up at certain point which may require Extra Loading.
- 4) Pre punch elongated hole with customized size to allow different type of Cable, fitting conceal for Partition.



Dotted Surface for Anti slit and strengthen the W dimension

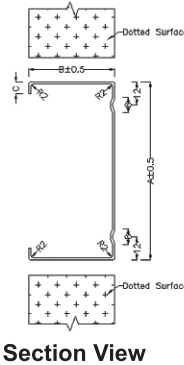
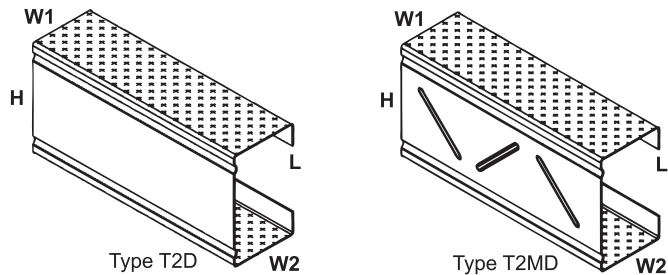


Table 1a: Rofo® C-Stud Section Type T2D

No	Product Code (T2D)	Product Dimension (H, W1, W2, L)		Thickness (mm) TCT
1	CSS 51055	2"	51 x 34 x 36 x 7	0.55
2	CSS 51060			0.60
3	CSS 51075			0.75
4	CSS 64055	2½"	64 x 34 x 36 x 7	0.55
5	CSS 64060			0.60
6	CSS 64075			0.75



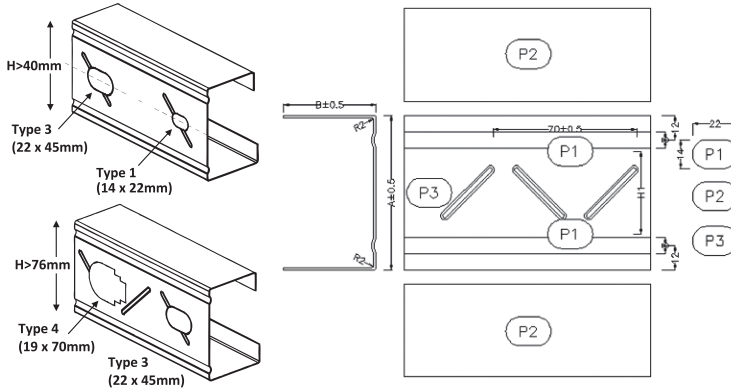
Remarks : Rofo C-Stud may a bit smaller so that can feed into the Top Head Track or U-Track as well.

I. Pre-punch Hole Services

We provide the pre-punch Hole service to allow the wiring, piping (Photo circled) with no extra charges. Upon your order, you may need to provide the pre- punch hole details.

- We provide three sizes of Pre-punch Hole
- Available Punch Hole Size : The Punch Hole Size Type 1, Type 3 & Type 4
- 1) Type 1 (14 x 22mm) is available for H size more than 40mm.
 - 2) Type 3 (22 x 45mm) is available for H size more than 40mm.
 - 3) Type 4 (19x70mm) is available for H size more than 76mm.

Type 4 (19 x 70 mm) (Big) is recommended for cable pipe more the 1" or 25mm less 1 ½" (38mm) water pipe or other M& E piping. While Type 3 (22mm x 45mm) is recommended for pipe size 22mm or ¾" and below.



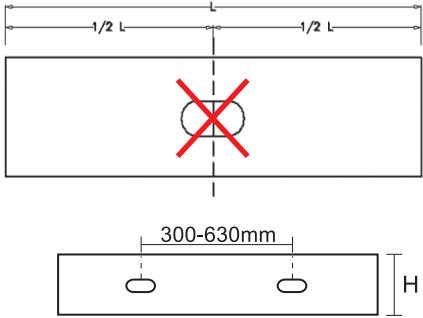
Important Note

Punch hole is not encouraged at the centre of the section, otherwise it will weaken the Section.

It is mainly used as main component for wall partition system. Installation is fast, and with better fire resistance. Depending on whether it is Dry Wall System or Solid Wall System, the C stud section will be laid vertical or horizontally. The spacing may also be different depending on the loading.

The Punch Hole Frequency

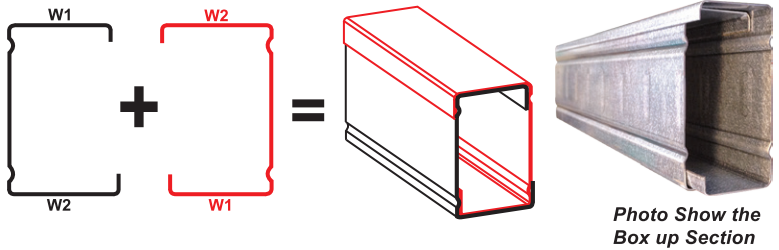
The Range of Punch hole Frequency for C stud available from distance 300mm to 630mm. Customer are request to fill the Punch Hole Form Type 2.



II. CSS Box-Up Feature

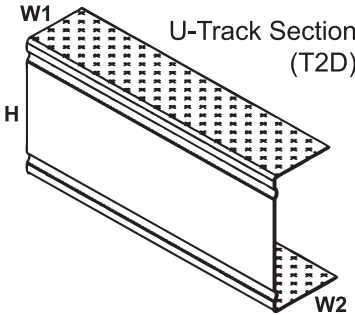
W1 and W2 Dimension

Dimension W1 and W2 difference of 2mm are allowing to boxes up at certain point which may need additional Strength.



Member 2

Rofo® U-Track Section (UTS) (RFU 602)



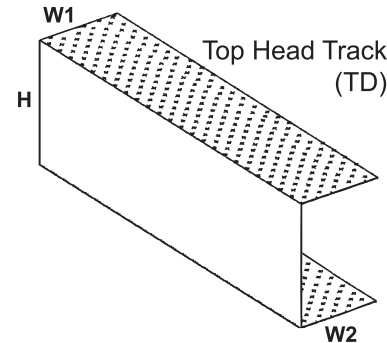
It is one of the member of partition system depend on typical usage. Usually U track is used to secure as a bottom member to cap the C Stud. Normally it attached to floor foundation by self tapping screw or wall plug. It may also use as cap to install window frame.

Table 2: Rofo® U-Track Section Type T2D

No	Product Code (T2D)	Product Dimension (H, W1, W2, L)		Thickness (mm) TCT
1	UTS 51055	2"	52 x 35 x 35	0.55
2	UTS 51060			0.60
3	UTS 51075			0.75
4	UTS 64055	2½"	65 x 35 x 35	0.55
5	UTS 64060			0.60
6	UTS 64075			0.75
7	UTS 76055	3"	77 x 35 x 35	0.55
8	UTS 76060			0.60
9	UTS 76075			0.75
10	UTS 76100	3¾"	93 x 35 x 35	1.00
11	UTS 92055			0.55
12	UTS 92060			0.60
13	UTS 92075	6"	151 x 35 x 35	0.75
14	UTS 92100			1.00
15	UTS 15055			0.55
16	UTS 15060	6"	151 x 35 x 35	0.60
17	UTS 15075			0.75
18	UTS 15010			1.00
19	UTS 15012			1.20

Member 3

Rofo® Top Head Track (THT) (RFT 603)



It is part of the wall partition system. Usually used as Top Track to cap the Rofo C stud when exceeding certain length. 50mm design as width is to allow the tolerance length for c stud used. The Dented dotted surface at both W side are to avoid slitty when screwing to install the wall panel to partition frame. It also as the Shaft Line section when install the Wall Panel.

Table 3: Rofo® Top Head Track Type TD

No	Product Code (TD)	Product Dimension (H, W1, W2)		Thickness (mm) TCT
1	THT 51055	2"	52 x 50 x 50	0.55
2	THT 51060			0.60
3	THT 51075			0.75
4	THT 64055	2½"	65 x 50 x 50	0.55
5	THT 64060			0.60
6	THT 64075			0.75
7	THT 76055	3"	77 x 48 x 48	0.55
8	THT 76060			0.60
9	THT 76075			0.75
10	THT 76100	3¾"	93 x 50 x 50	1.00
11	THT 92055			0.55
12	THT 92060			0.60
13	THT 92075	6"	151 x 50 x 50	0.75
14	THT 92100			1.00
15	THT 15055			0.55
16	THT 15060	6"	151 x 50 x 50	0.60
17	THT 15075			0.75
18	THT 15010			1.00
19	THT 15012			1.20

