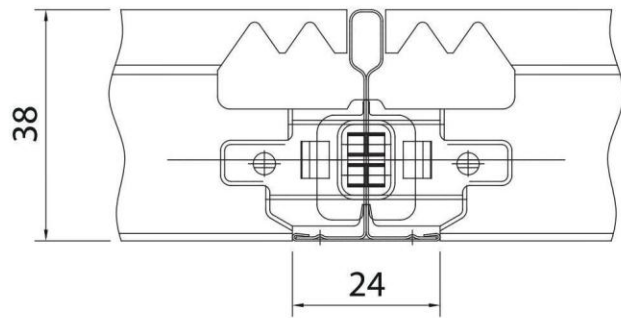


- ① Main Runner
- ② Cross Tee (4ft)
- ③ Cross Tee (2ft)
- ④ Wall Angle
- ⑤ Hanger
- ⑥ Ceiling board

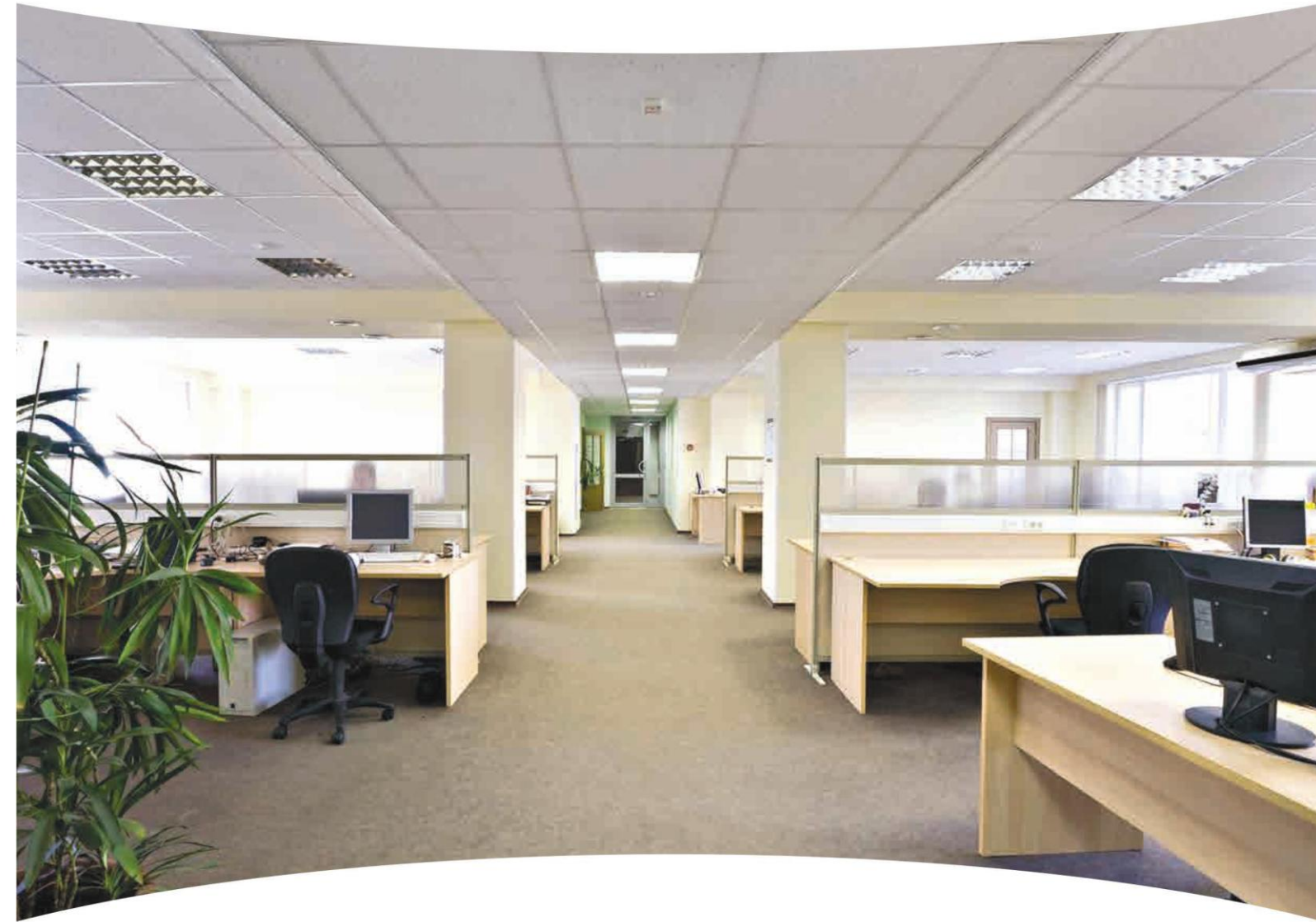
Assembly Drawing



C-C View

Description

1. Galvanized steel plate and pre-painted galvanized steel plate used in earthquake-proof T-Bar system both meet CNS-1244 standard.
2. Gypsum ceiling tile, mineral fiber ceiling tile, calcium silicate ceiling tile, PVC ceiling tile can be used for Earthquake-proof T-Bar system.
3. Tension and compression strength of connector is over 80kgs, which is complied with the heavy bearing capacity of ASTM-E580 earthquake-proof standard.
4. The connector of T-Bar has received new patent from Intellectual Property Office.
5. Fireproof ability.



Earthquake Resistance Type of T-Grid (T38/T38)

SGS Material & Engineering Laboratory-Kaohsiung

TAF Testing Laboratory 0119

Test Report

Report No.: KK-18-05130A
Page No.: 1 OF 2
Date of Report: Jun. 05, 2018

Applicant Address: RAYSOUND BUILDING MATERIALS CORP. No.15, Sec.2, Huanyuan E. Rd., Liuying Dist., Tainan City 736, Taiwan(R.O.C.)

Sample Name: Earthquake resistant T-Grid (Main Runners 38x24 x 0.35mm - Cross Runners 38x24 x 0.35mm)

Sample Submitted By: RAYSOUND BUILDING MATERIALS CORP.

Date of Sample Received: May 30, 2018

Date of Testing: May 30, 2018 - Jun. 01, 2018

Product Specification: ASTM E580/E580M-14

Testing Method: ASTM E580/E580M-14

Remark: The information mentioned in the above section is provided by Client (Exclude Date of Sample Received and Date of Testing)

Test Results:

Specimen No.	Ultimate test load in tension (kgf)				Average	The maximum deviation of any individual test result
	No.1	No.2	No.3	No.4		
Main runners	133	141	141	138	138	4
Cross runners	143	144	145	144	144	1

Signed for and on behalf of: **SGS Taiwan Ltd.**

SGS Material & Engineering Laboratory-Kaohsiung

TAF Testing Laboratory 0119

Test Report

Report No.: KK-18-05713A-1
Page No.: 1 OF 4
Date of Report: Jun. 26, 2018

Applicant Address: RAYSOUND BUILDING MATERIALS CORP. No.15, Sec.2, Huanyuan E. Rd., Liuying Dist., Tainan City 736, Taiwan(R.O.C.)

Product Name: Earthquake Resistant T-Grid (Main Runners:38(11mm)*24(Wmm)*0.4(Tmm) Cross Runners:38(11mm)*24(Wmm)*0.35(Tmm))

Manufacturer: RAYSOUND BUILDING MATERIALS CORP.

Product Submitted By: RAYSOUND BUILDING MATERIALS CORP.

Date of Sample Received: Jun. 20, 2018

Date of Testing: Jun. 20, 2018 - Jun. 21, 2018

Testing Method: ASTM C635/C635M-13a

Remark: The information mentioned in the above section is provided by Client (Exclude Date of Sample Received and Date of Testing)

Test Results: When span length L=1200mm, equivalent uniform load is 18.8 kg/m

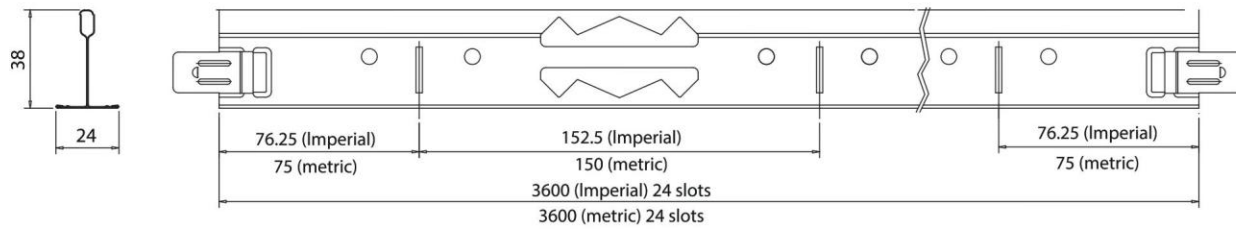
Test Data:

Load (kg/1.2m)	Mid-span dial gage value (1/100mm)		Left end span dial gage value (1/100mm)		Right end dial gage value (1/100mm)		Net Mid-span Deflection (1/100mm)	Load-Carrying Capabilities of Main Runners (kg/m)
	Sample No.1	Sample No.2	Sample No.1	Sample No.2	Sample No.1	Sample No.2		
1.8	29	25	8	5	4	9	23	22
3.6	57	56	11	7	8	7	11	10
5.4	85	82	15	9	11	8	15	13
7.2	113	109	107	10	15	10	17	16
9.0	141	137	135	19	12	18	11	20
10.8	170	167	164	20	14	21	13	23
12.6	200	195	192	21	15	23	14	25
14.4	229	227	223	22	17	25	15	27
16.2	260	256	253	23	19	27	17	29
18.0	291	283	283	25	20	28	18	30

Signed for and on behalf of: **SGS Taiwan Ltd.**

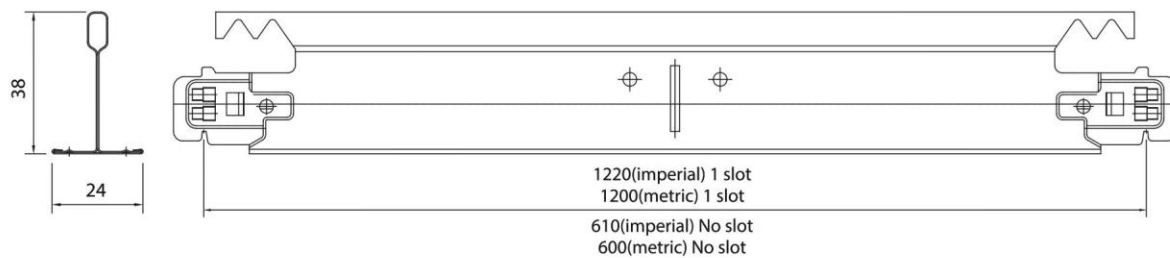
Butt End Type According to ASTM E580 Standard

Main Tee:



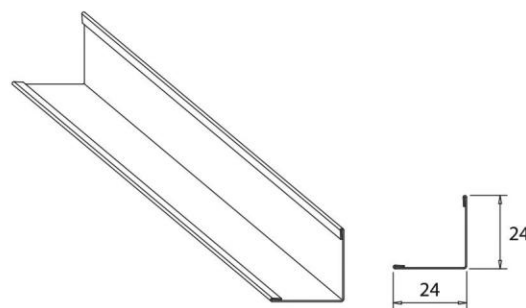
Item	Spec.	L	H (mm)	W (mm)	T (mm)	Pc/Ctn
Main Tee	Imperial Size	12 ft (3.66m)	38	24	0.35	25
	Metric Size	12 ft (3.6 m)	38	24	0.35	25

Cross Tee:



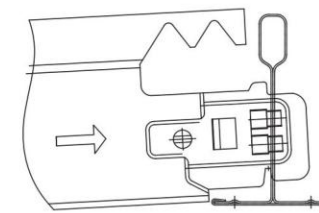
Item	Spec.	L	H (mm)	W (mm)	T (mm)	Pc/Ctn
Cross Tee	Imperial Size	4 ft (1220 mm)	38	24	0.35	50
		2 ft (610 mm)	38	24	0.35	75
	Metric Size	4 ft (1200 mm)	38	24	0.35	50
		2 ft (600 mm)	38	24	0.35	75

Wall Angle:



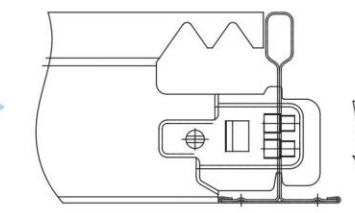
Item	Spec.	L	H (mm)	W (mm)	T (mm)	Pc/Ctn
Wall Angle	Imperial Size	10 ft (3.05m)	24	24	0.5	40
	Metric Size	10 ft (3.00 m)	24	24	0.5	40

Assembly Step



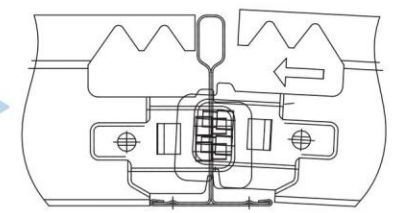
Step 1

Insert left Cross Tee to the slot on Main Tee.



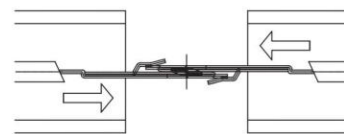
Step 2

Make sure the notch at the lower point of left Cross Tee stick into the bottom of the slot of Main Tee in order to buckling up Main Tee and Cross Tee.



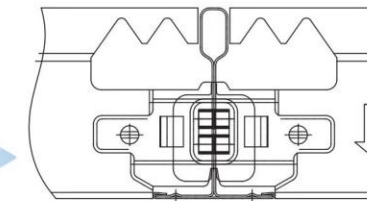
Step 3

Insert right Cross Tee to the slot on Main Tee.



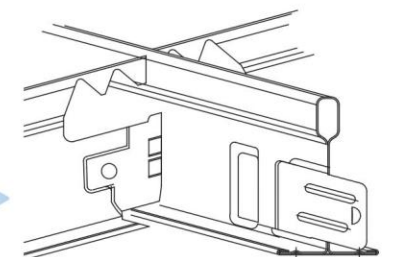
Step 4

Both the clips of right and left Cross Tees are stuck by each other in the slot of Main Tee.



Step 5

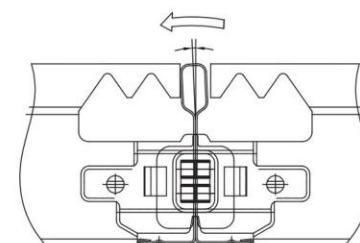
After inserting and tilting down the right Cross Tee, a "click" sound will be heard which means both the hooks of right and left Cross Tee are stuck successfully.



Step 6

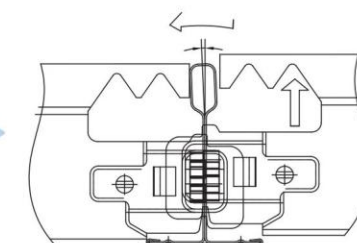
Double check 1. Both the notches of right and left Cross Tees are tightly wedged at the bottom of slot on Main Tee. 2. The arcs on the upper of connectors of Cross Tees are completely in the slot.

Disassembly Step



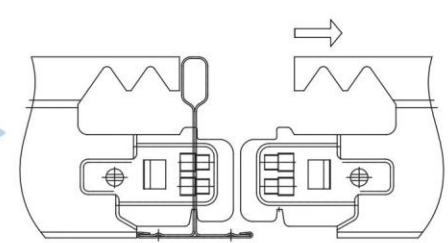
Step 1

Rotate left Cross Tee and Main Tee to the left slightly, then the arc on the upper of connector of right cross tee will detach from the slot.



Step 2

Pull up right cross tee will hear a "click" sound that shows protrusion from two connectors of Cross Tee will be detached.



Step 3

Pull out right Cross Tee from the right, two front parts of Cross Tees will be departed and right Cross Tee will be departed from the slot.