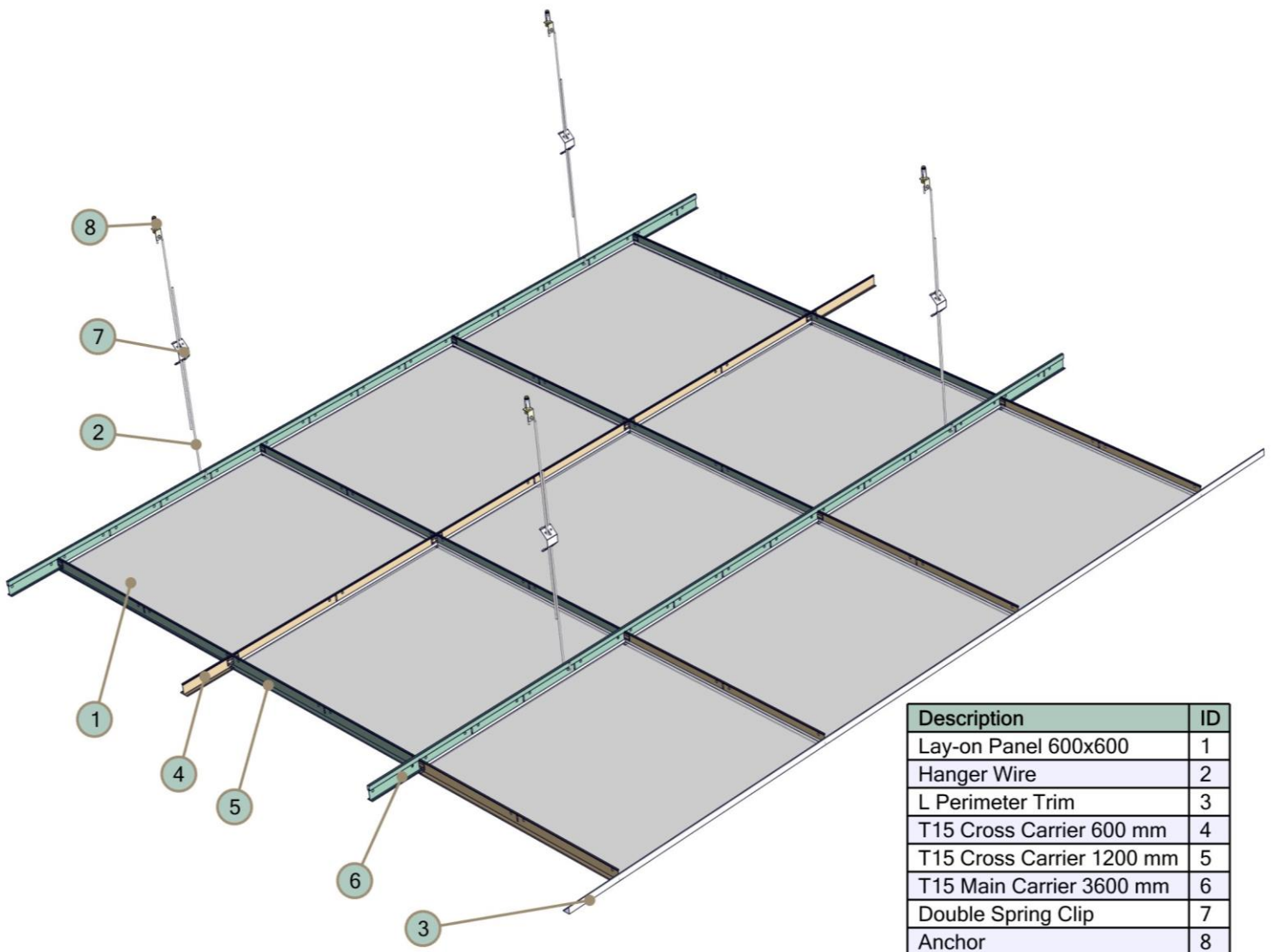


## T15 LAY-ON SYSTEM

# T15 LAY-ON SYSTEM



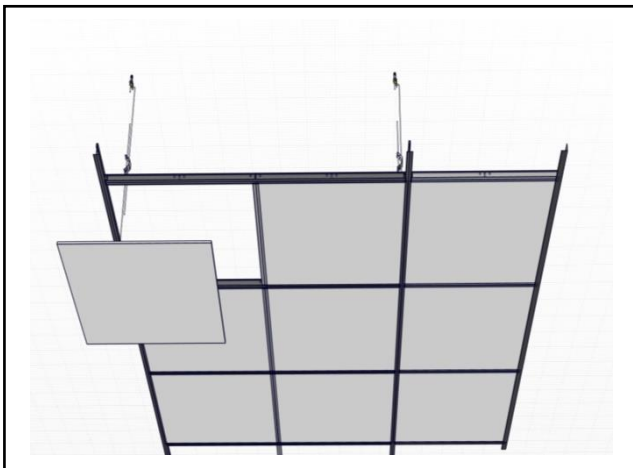
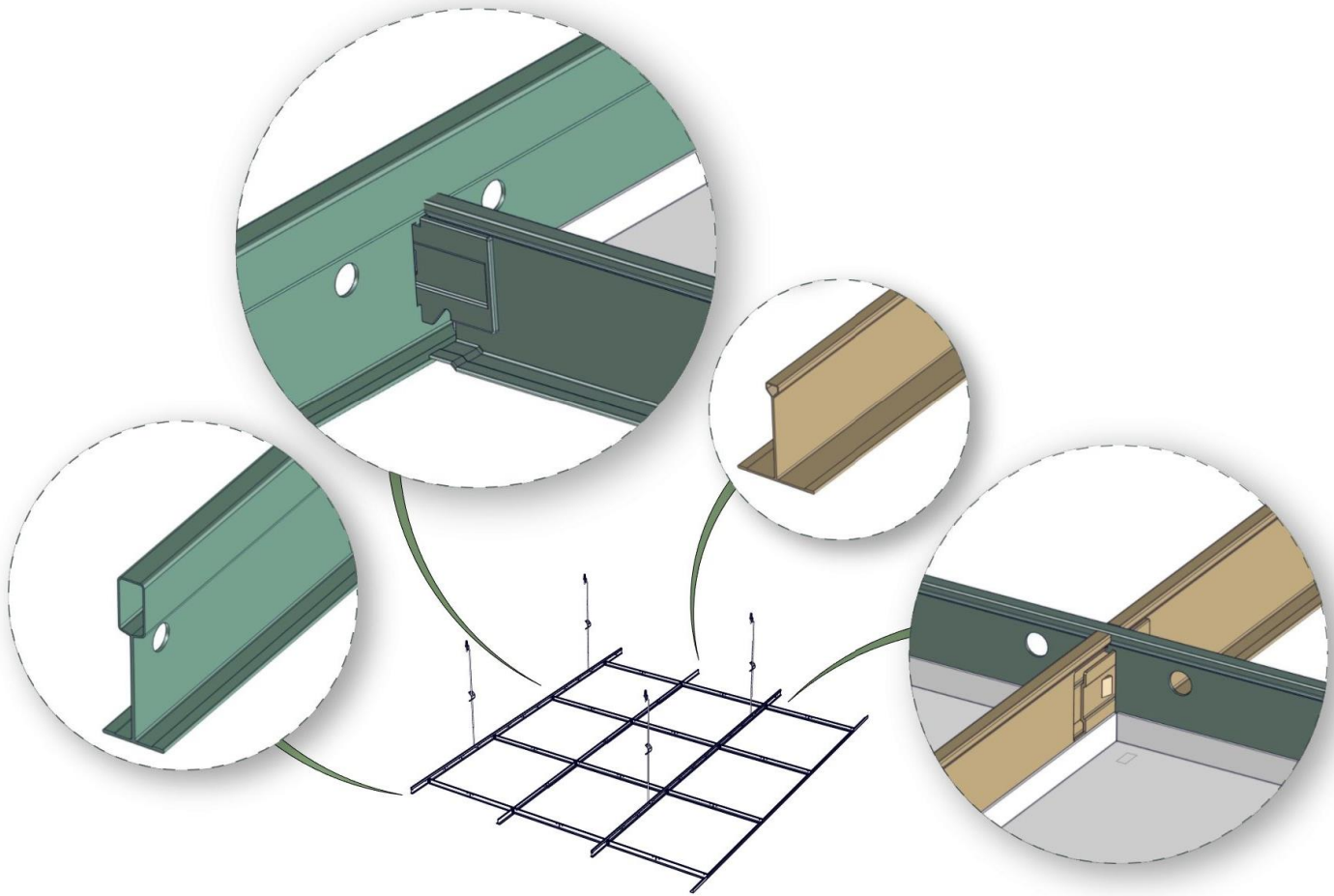
Description	ID
Lay-on Panel 600x600	1
Hanger Wire	2
L Perimeter Trim	3
T15 Cross Carrier 600 mm	4
T15 Cross Carrier 1200 mm	5
T15 Main Carrier 3600 mm	6
Double Spring Clip	7
Anchor	8

T-15 carrier system profiles are designed specially with their locking systems to serve for your needs at many, suspended ceilings like mineral fiber, gypsum ceilings glass wool.

The T-15 Carrier system profiles have the capacity to carry heavy load. Also the look provided by the smooth and symmetrical lines contributes to building's aesthetic.

- It is produced with hot galvanized steel resistance to corrosion.
- It is long lasting and preserves its appearance for many years.

# DETAIL VIEW



## HYGIENE

High performance in Blocking bacterial formation on panel surfaces by applying anti-microbial paint.

## PAINT

Prior to paint. Sensitive surface cleaning and phosphate coverage is applied. 60 minimum micron powder paint is sprayed by electrostatic system through 6 robots and cooked in a 180 meters long oven. The entire painting process takes place automatically by computer control.

## MATERIAL OPTIONS

Galvanized Steel/Aluminum / Stainless Steel

## ACOUSTIC

High acoustic performance with acoustic fleece up to  $\alpha_w$ : 1,00

## HUMIDITY

Galvanize panel: 90% RH

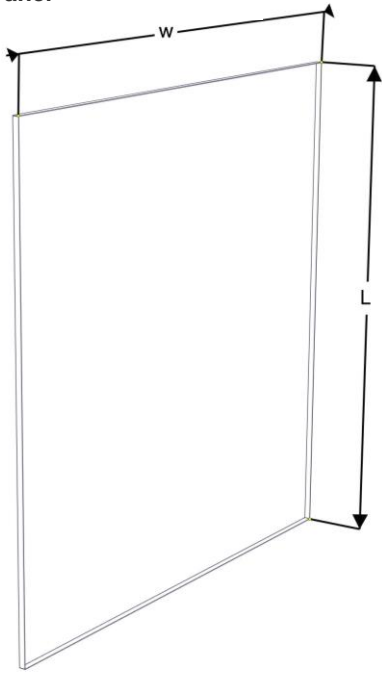
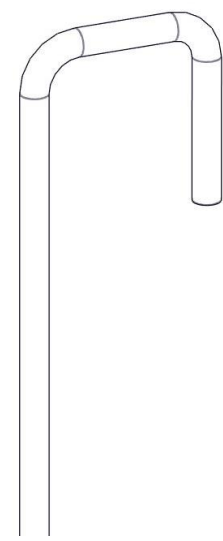
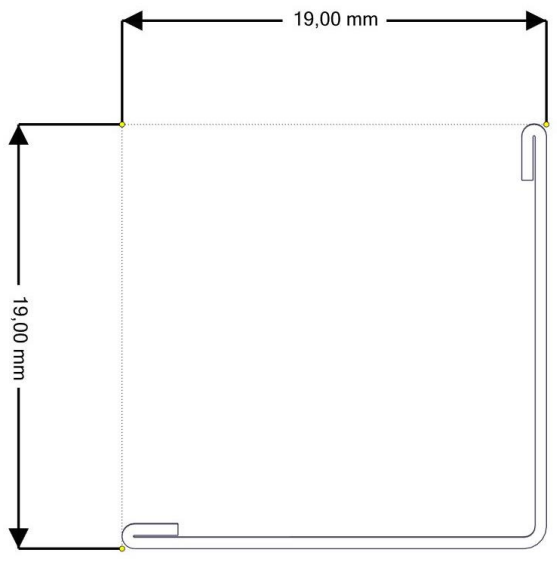
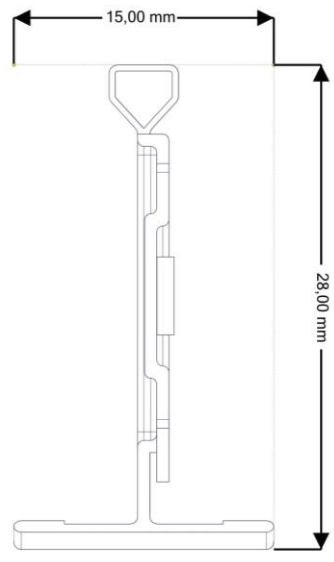
Aluminum panel: 100 % RH

## LIGHT REFLECTION

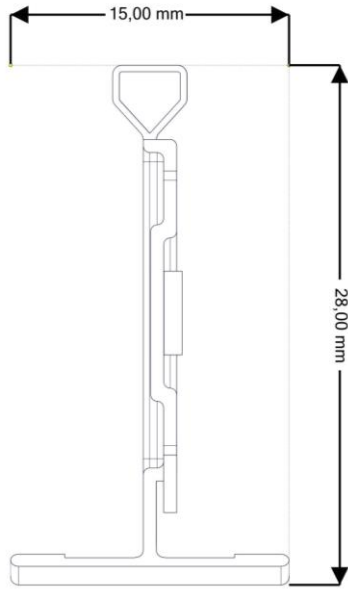
Straight Panel: 9010 Painted % 86

Perforated Panel : 9010 Painted % 72

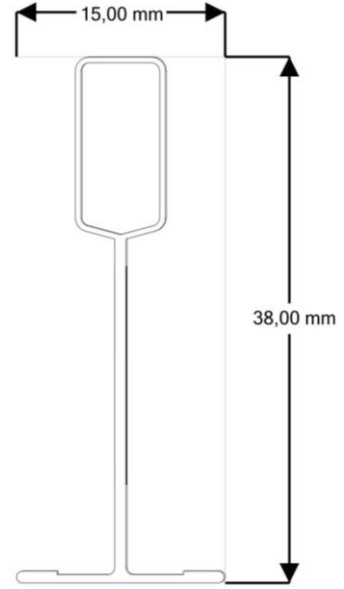
# ELEMENT SPECIFICATION

<p><b>1. Lay-on Panel</b></p>  <p>The diagram shows a rectangular panel with a width dimension labeled 'w' and a length dimension labeled 'L'. The panel is shown in a perspective view, slightly tilted.</p>	<p><b>2. Hanger Wire</b></p>  <p>The diagram shows a hanger wire consisting of a vertical stem and a hook at the top. The hook is formed by bending the wire 90 degrees and then back 90 degrees to form a U-shape.</p>
<p><b>T : 0.50 mm Galvanized Steel</b></p>	<p><b>T : Ø 4 mm Galvanized Steel</b> <b>L : Max 2000 mm</b></p>
<p><b>3. L Perimeter Trim</b></p>  <p>The diagram shows an L-shaped perimeter trim. The horizontal leg has a length of 19,00 mm and the vertical leg has a height of 19,00 mm. The corner is rounded. The trim is shown in a perspective view.</p>	<p><b>4. T15 Cross Carrier 600 mm</b></p>  <p>The diagram shows a T15 cross carrier. The top horizontal flange has a width of 15,00 mm and the vertical stem has a height of 28,00 mm. The carrier is shown in a perspective view.</p>
<p><b>T : 0,5 mm Pre-Paint Steel</b> <b>W : 19 mm      H : 19 mm      L : Up to 3000 mm</b></p>	<p><b>T : 0,30 mm Galvanized Steel</b> <b>W : 15 mm      H : 28 mm      L : 600 mm</b></p>

### 5. T15 Cross Carrier 1200 mm



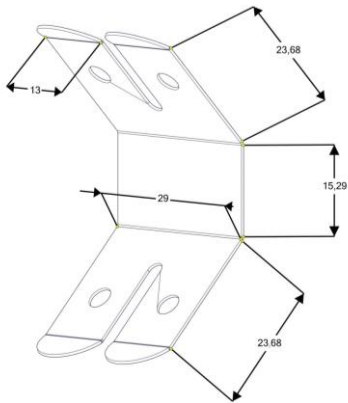
### 6. T15 Main Carrier 3600 mm



T : 0,30 mm Galvanized Steel  
W : 15 mm H : 28 mm L : 1200 mm

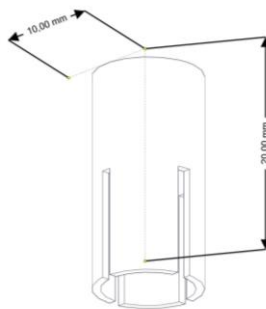
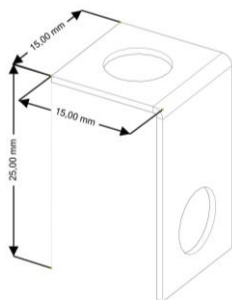
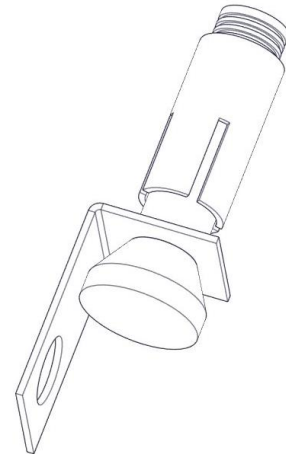
T : 0,35 mm Galvanized Steel  
W : 15 mm H : 38 mm L : 3600 mm

### 7. Double Spring Clip



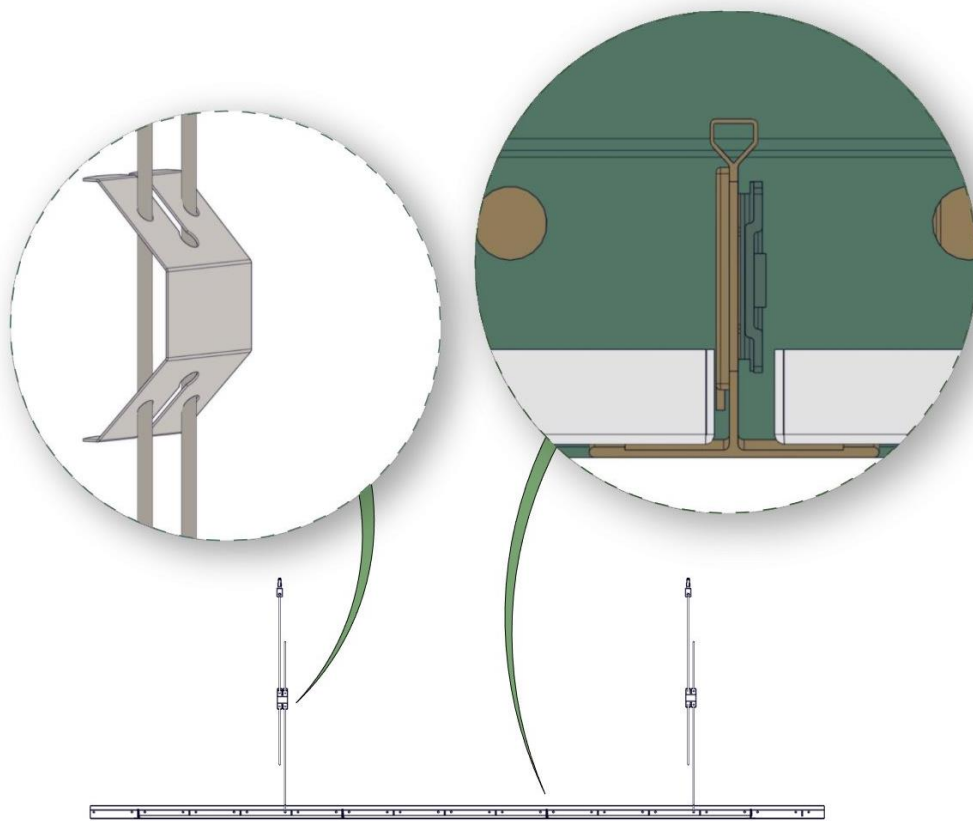
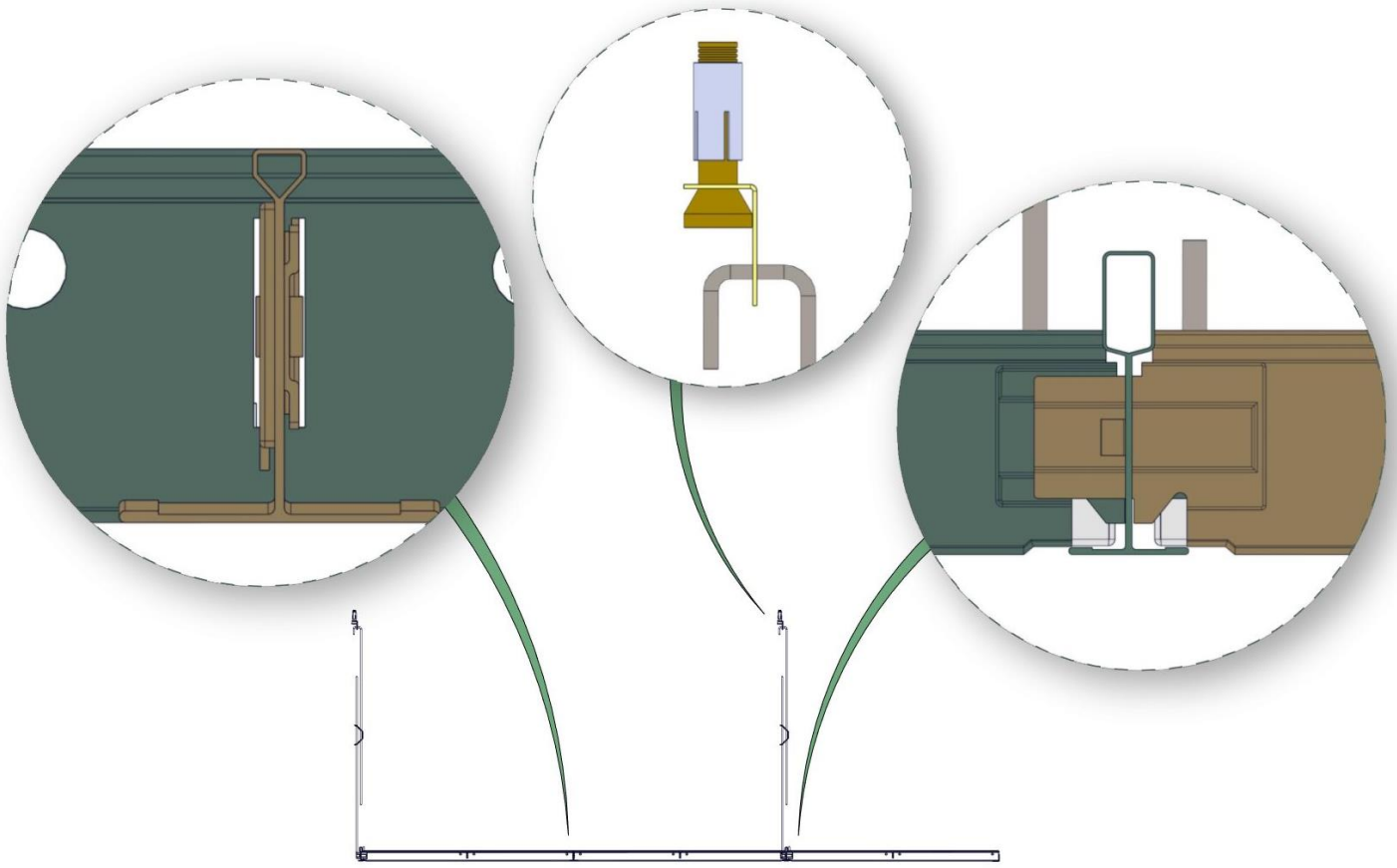
T : 0.50 mm Spring Steel

### 8. Anchor



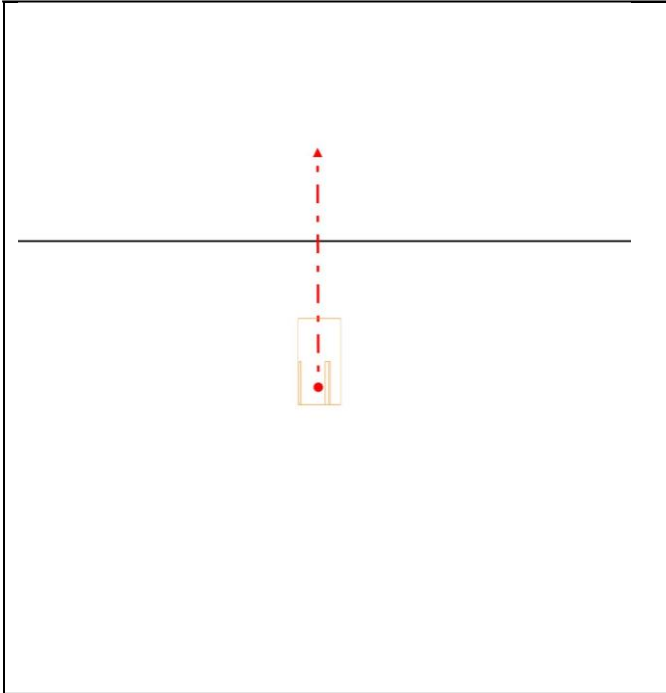
T : 0,8 mm / 2 mm / Ø 8 mm Galvanized Steel

# DETAIL SECTION

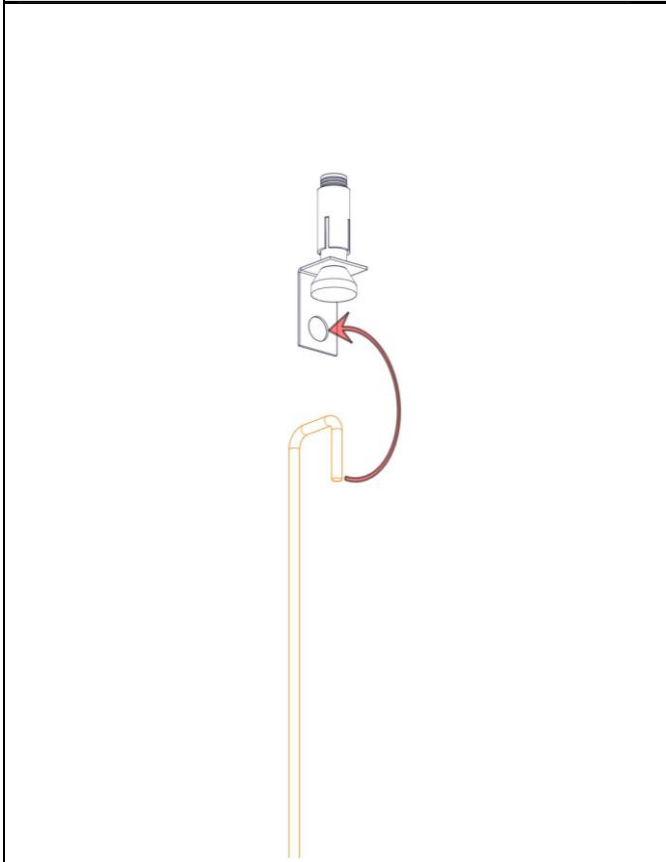
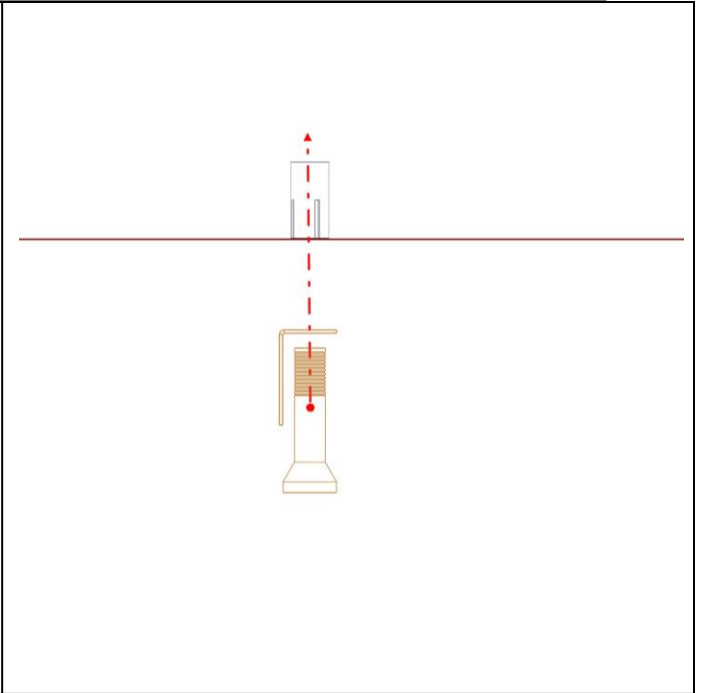


# ASSEMBLY TECHNIQUE

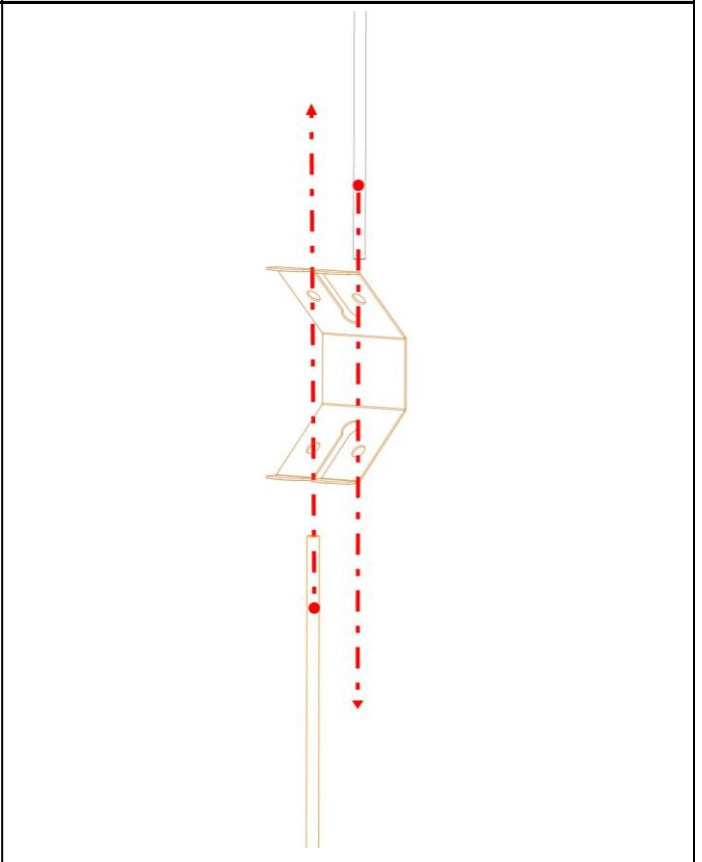
STEP 1.



STEP 2.

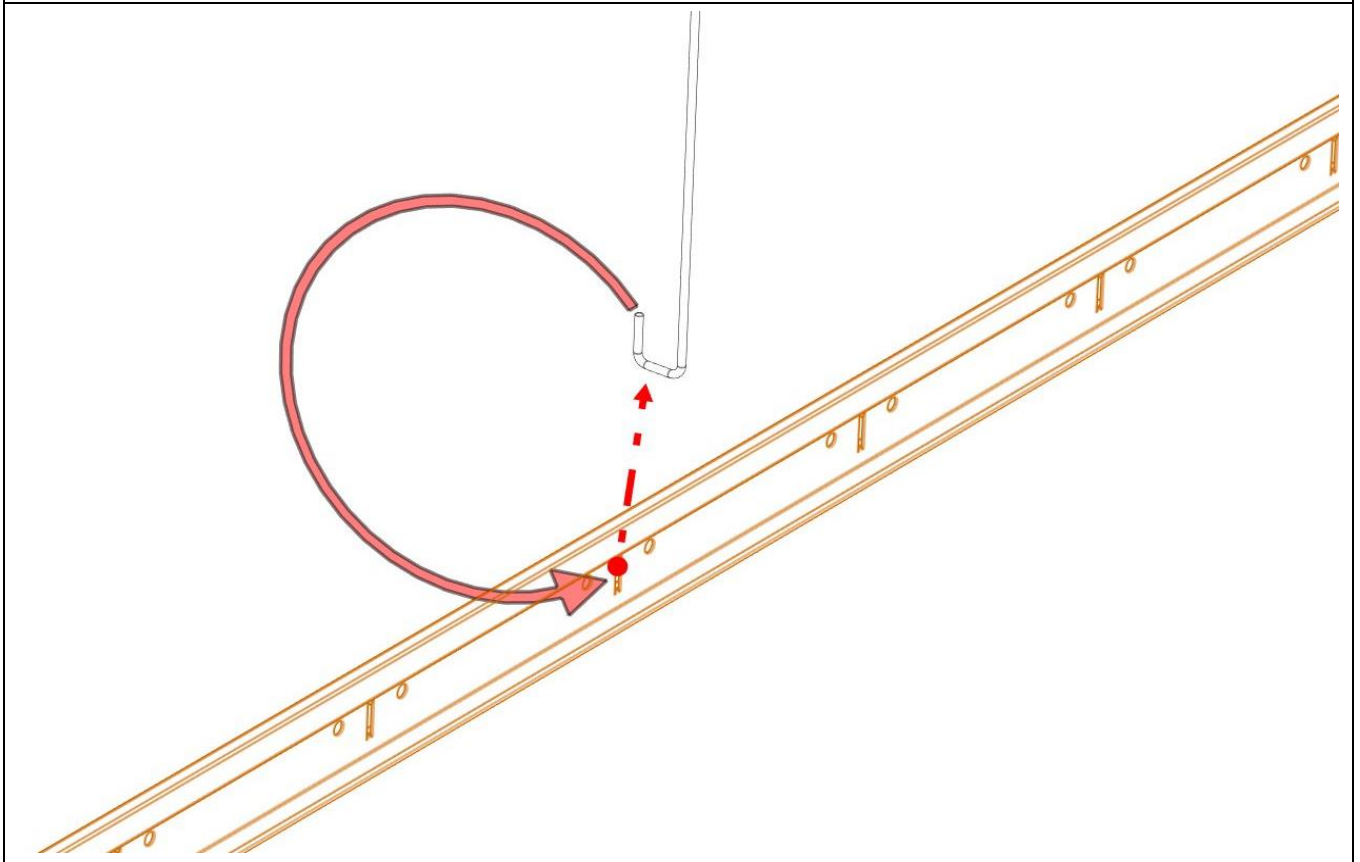
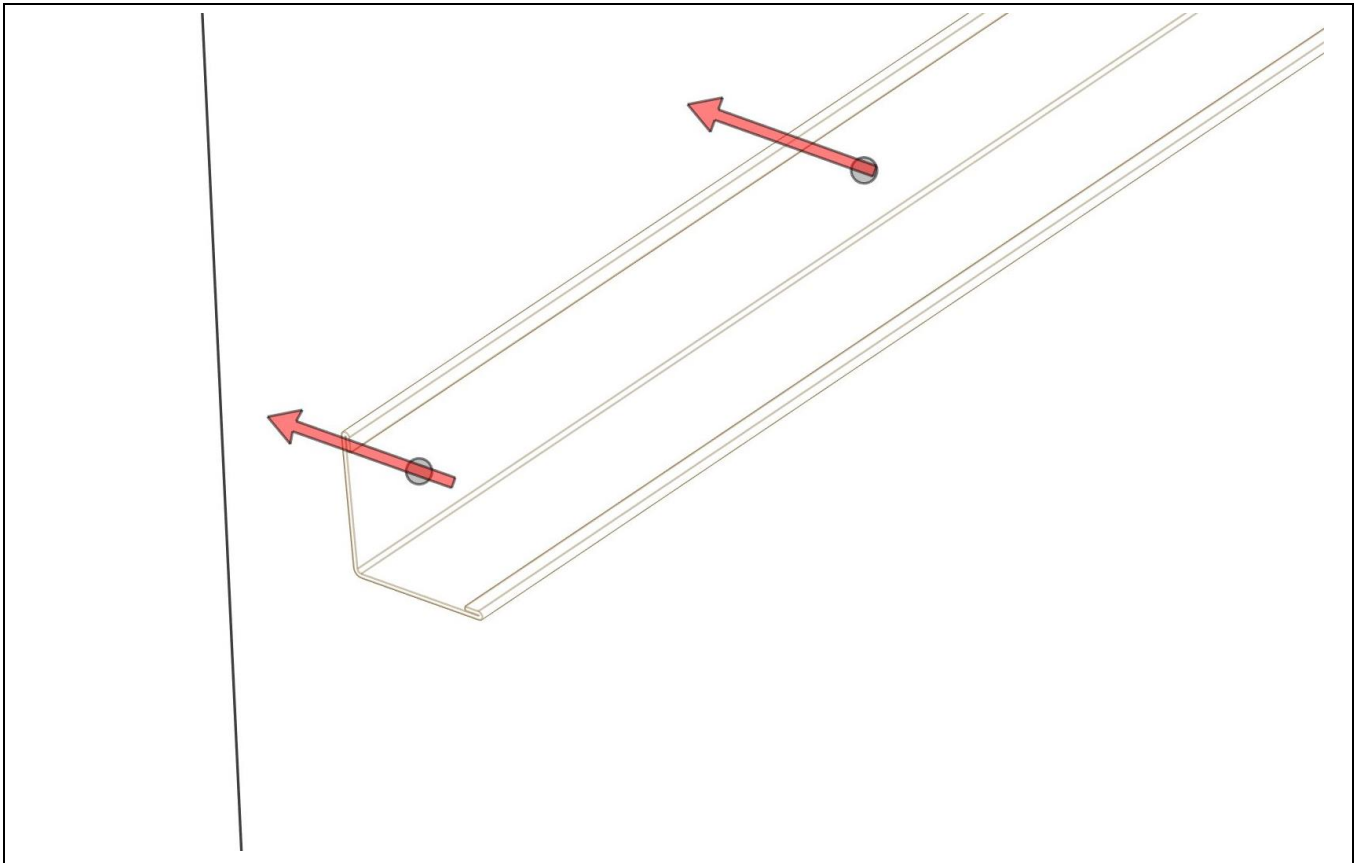


STEP 3.



STEP 4.

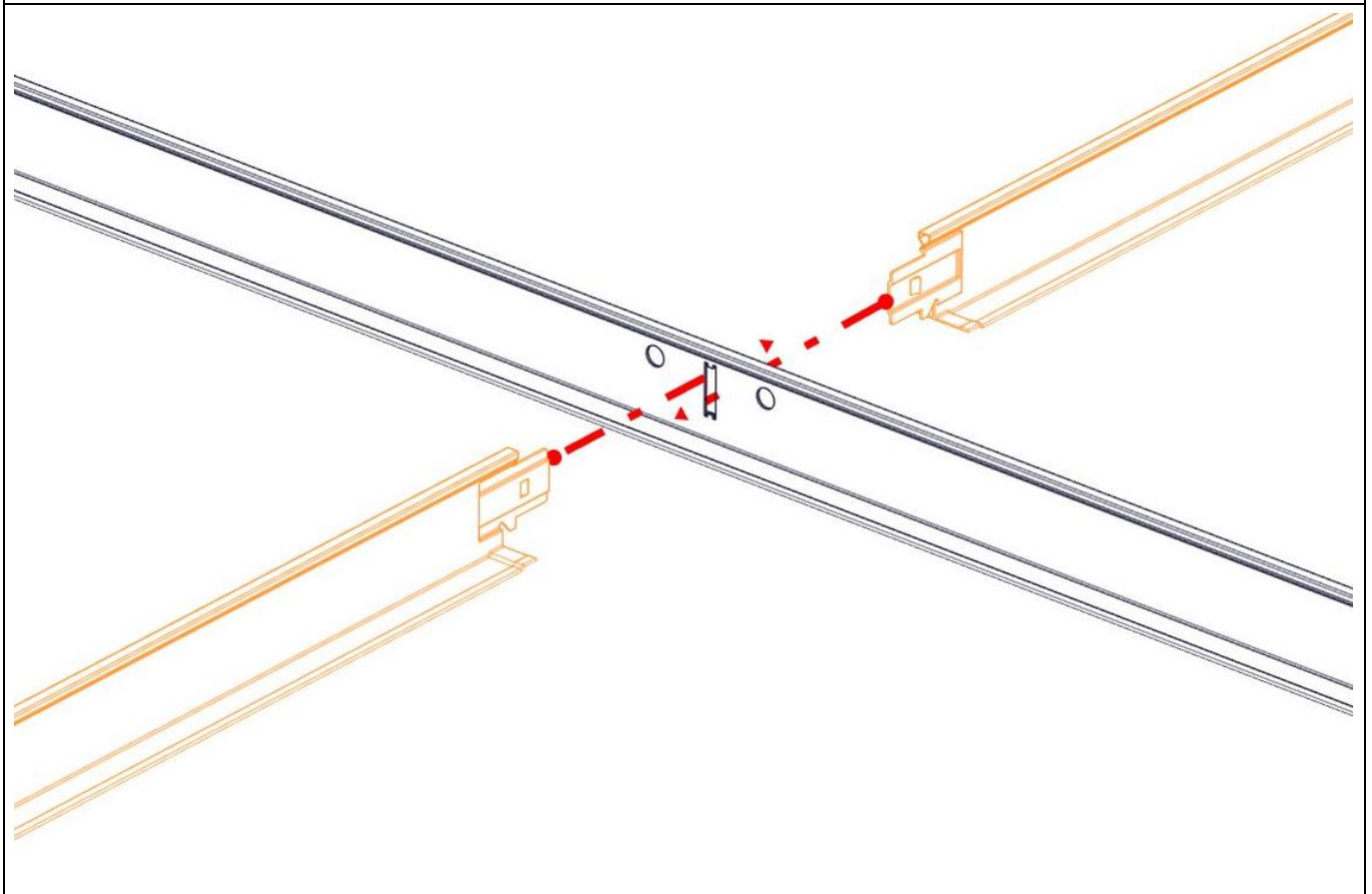
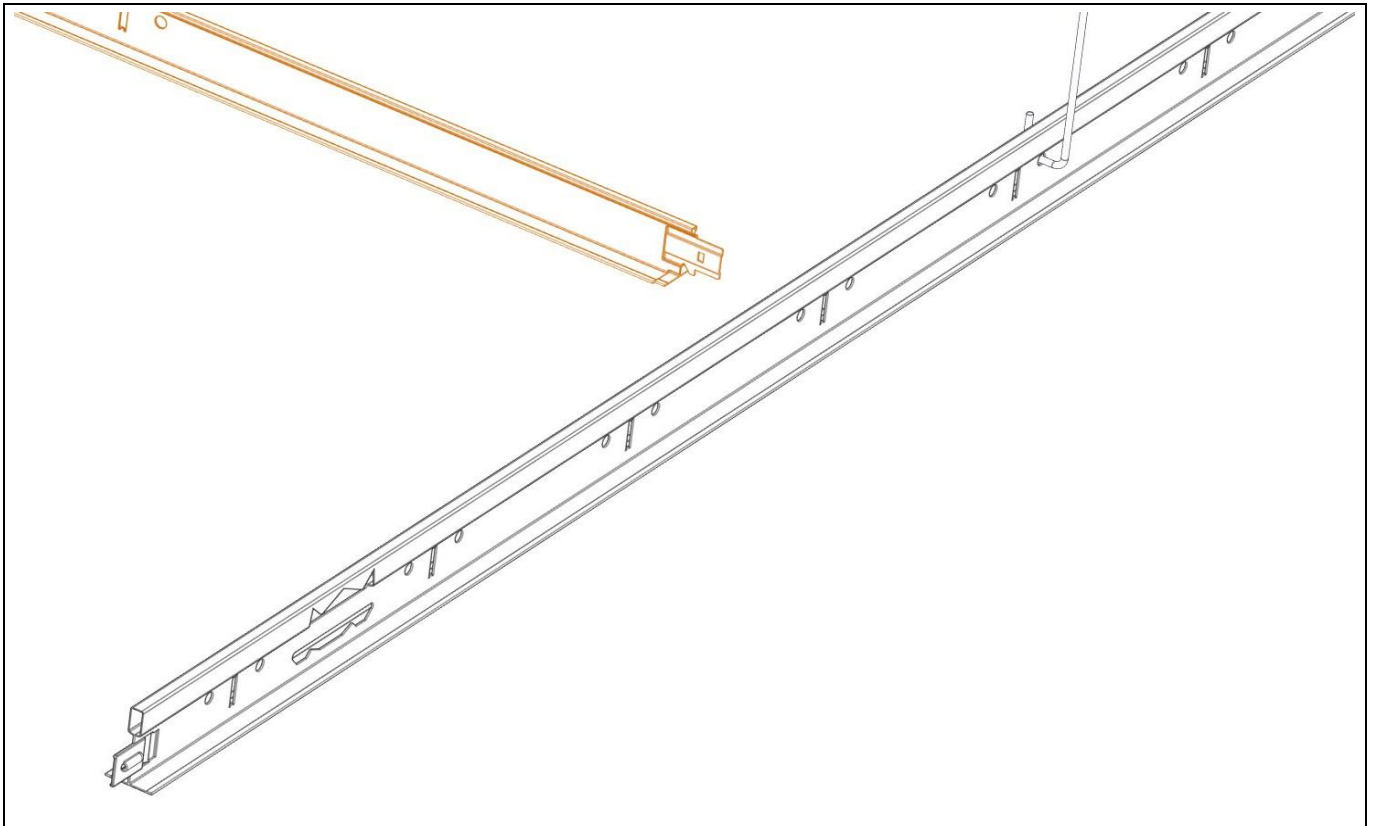
STEP 5.



STEP 6.

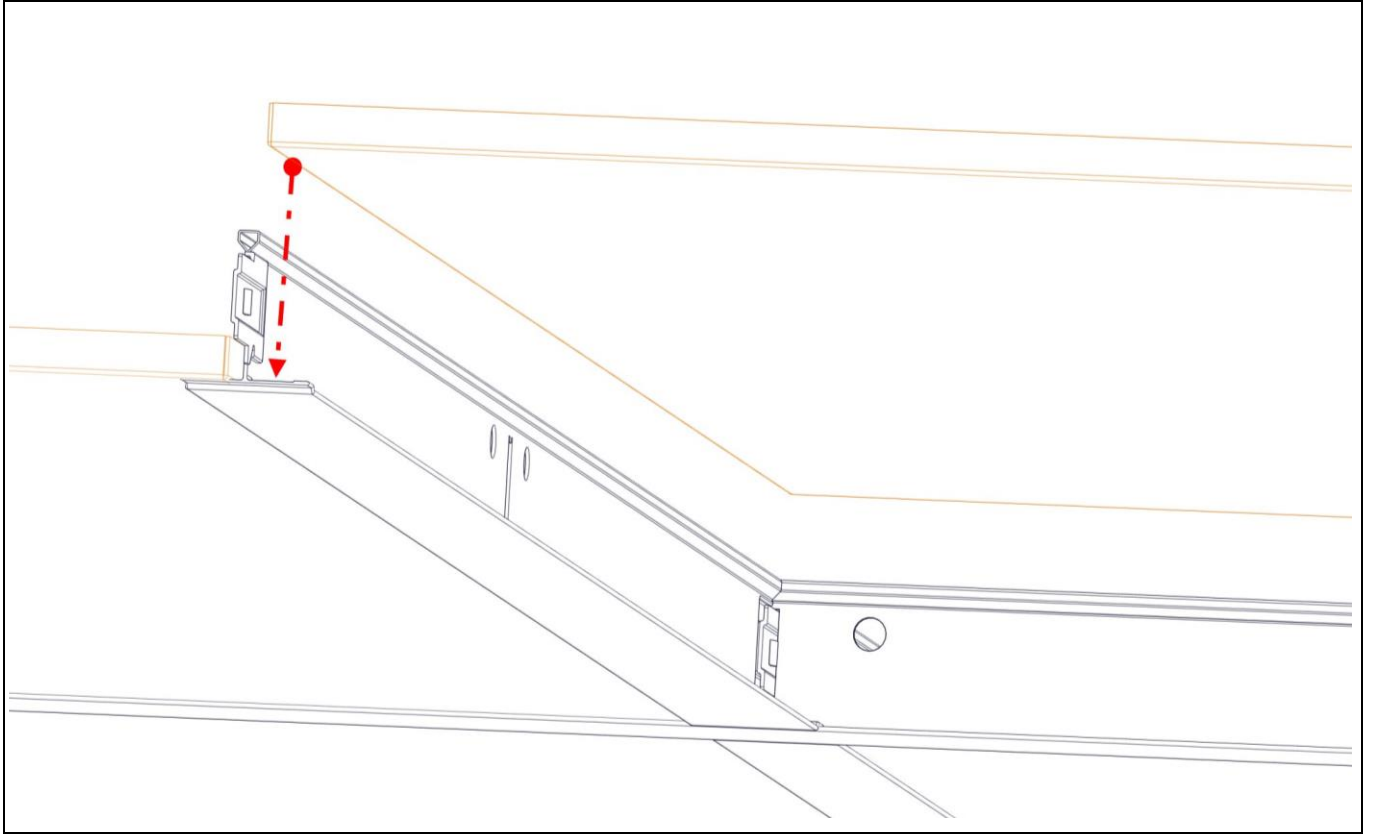


STEP 7.



STEP 8.

STEP 9.



# Declaration of Performance

No:A-INT.PD20171001-01



1.Uniquade identification code of the product-type:	"BUTEM" Metal Ceiling Systems
2.Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4):	Product Type, Order/Batch Nr.
3.Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:	Internally, to produce an installed suspended ceiling
4.Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11 (5):	<b>BÜTEM METAL FORM SANAYİ TİCARET A.Ş.</b> Osman Gazi Mahallesi Ziya Gökalp Caddesi No:10 Esenyurt Istanbul Turkey T:+90 (212)886 33 00 F:+90 (212) 886 33 10 www.butemmetal.com.tr
5.Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):	Not Applicable
6.System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:	Systems 3
7.In case of the declaration of performance concerning a construction product covered by a harmonized standard:	(a)The manufacturer carrying out factory production control; (b) Turkish Standards Institution (TSE) /Notified Body No:1783 issued the Reaction to Fire classification report (Report No:TSE-19.01.2017-170050) according to TS EN 13501-1+A1:2013-04 as the notified testing laboratory (based on sampling carried out by the manufacturer).
8.In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:	Not Applicable

# Declaration of Performance



No:A-INT.PD20171001-01

## 9.Declared Performance

- (a) Column 1 shall contain the list of essential characteristics as determined in the harmonized technical specifications for the intended use or uses indicated in point 3 above.
- (b) For each essential characteristic listed in column 1 and in compliance with the requirements of Article 6, Column 2 shall contain the declared performance, expressed by level or class, or in a description, related to the corresponding essential characteristics. The letters 'NPD' (No Performance Determined) shall be indicated where no performance is declared.
- (c) For each essential characteristic listed in column 1, column 3 shall contain:
- I-Dated reference of the corresponding harmonized standard and, where relevant, the reference number of the Specific or Appropriate Technical Documentation used; or
  - II-Dated reference of the corresponding European Assessment Document where available and reference number of the European Technical Assessment used.

Essential Characteristics	Performance	Harmonized Technical Specification
Reaction To fire	A2-s1, d0	TS EN 13964:2014-04 + TS EN13501-1+A1:2010
Release of Dangerous Substances	No Content	TS EN 13964:2014-04 + TS EN13501-1+A1:2010
Flexural Tensile Strength	NPD	TS EN 13964:2014-04 + TS EN13501-1+A1:2010
Thermal Conductivity	NPD	TS EN 13964:2014-04 + TS EN13501-1+A1:2010
Durability	Corrosion Class B	TS EN 13964:2014-04 + TS EN13501-1+A1:2010
Sound Absorption Single Value $a_w$	See Table Below	TS EN 13964:2014-04 + TS EN13501-1+A1:2010

Sound Absorption Single Value $a_w$	Perforation Types		
	Ø1,5 mm	Ø1,8 mm	Ø2,5 mm
JM 60	-	0,35	0,35
Royalin R6/60	0,60		
JM 60 Double	0,45		
JM60 with 25 mm 50 kg/m3 rockwool	1,00		

- 10.The performance of the product identified in point 1 and 2 is in conformity with he declared performance in point 9.  
 This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.