




Acoustic Engineers & Contractors • HVAC & Acoustic Material Manufacturers & Traders

METHOD STATEMENT FOR Acoustic Ceiling Tiles

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1. **SCOPE:**

This Method Statement provides the control sequence of construction and methodology that will be used for the installation of acoustic ceiling tiles supplied by M/s OPTIMA INTERNATIONAL.

2. **REFERENCES:**


- Submitted technical submittal for acoustic treatment.
- Approved drawings.


3. **GENERAL:**

Installation is to be in accordance with the drawings, project specifications and the product manufacturer's recommendations.

4. **RESOURCES:**

4.1. **Material List:**

 Acoustic ceiling tiles.

 Ceiling grid system components



5 INSTALLATION PROCEDURE:

TECHNICAL DETAILS FOR DESIGNING

Sizes: thickness may differ between 15mm and 20 mm and Standard sizes are 600x600, 600x1200, 610x610, 610x1220 mm

Weight: approximately 2,5-3 kg/m² including bearing system

Product information:

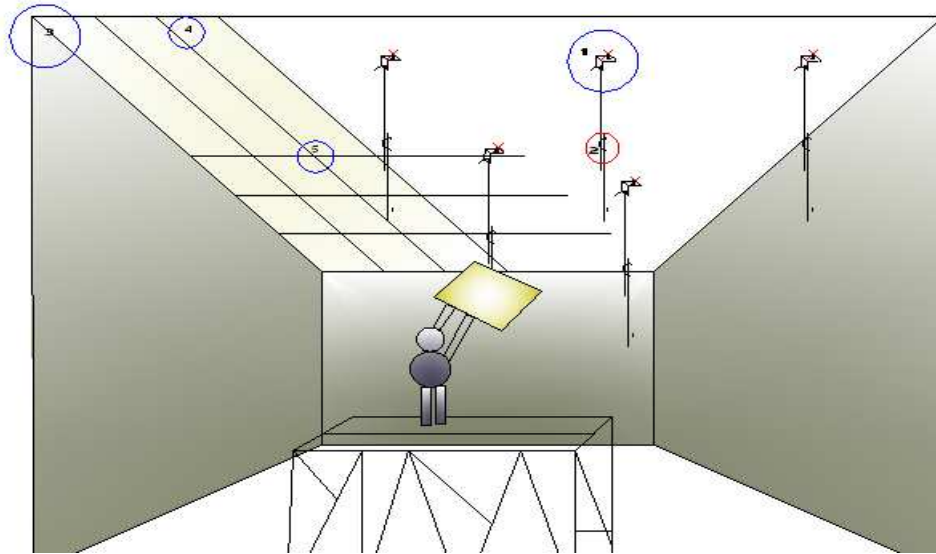
Product name : suspending ceiling T24 bearing system

Product Code: T24 main bearing (3,6m), auxiliary bearing (0.6, 1.2mm), side profile – L (3.0m)

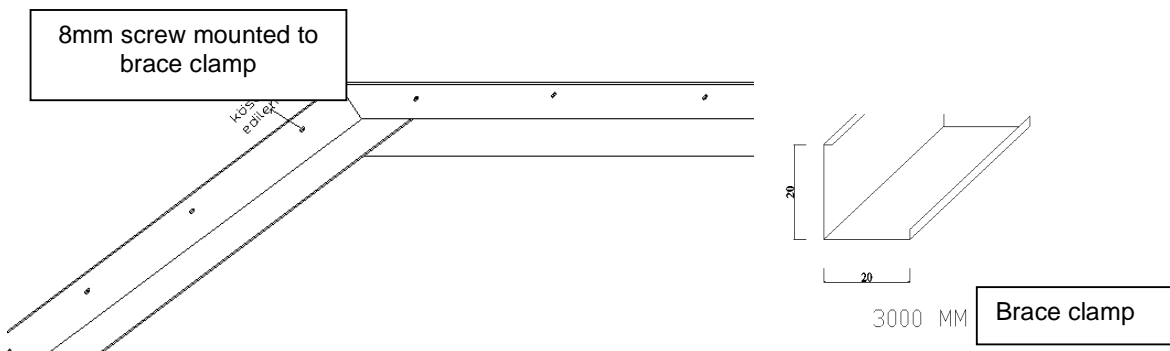
Product name: glass wool panel

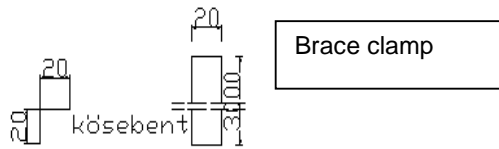
Sequence of Montage

- 1- Specifying reference point according to basement.

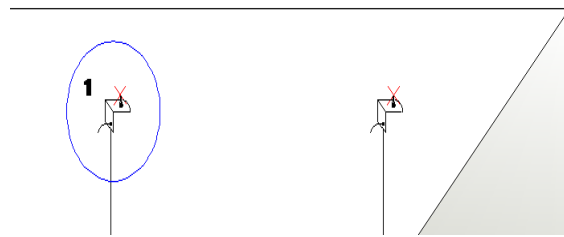
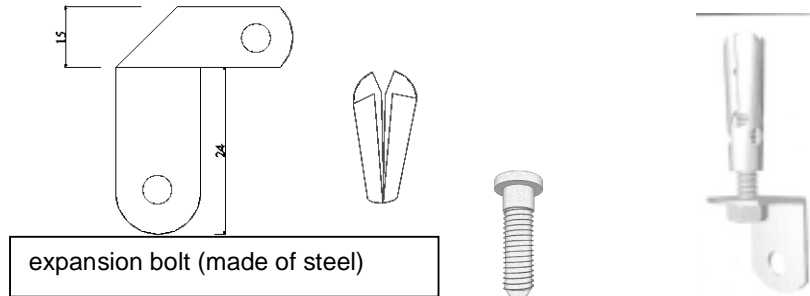


- 2- According to reference point, frame with 3000 mm length is mounted to the wall.

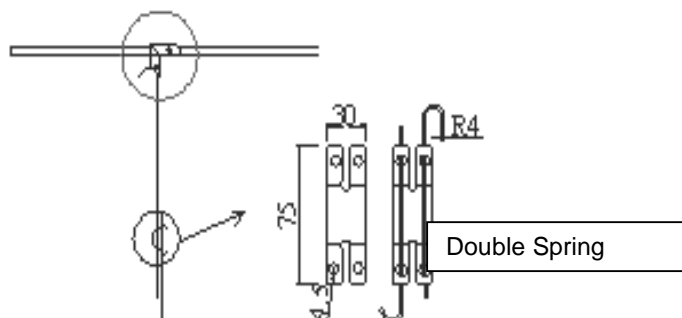


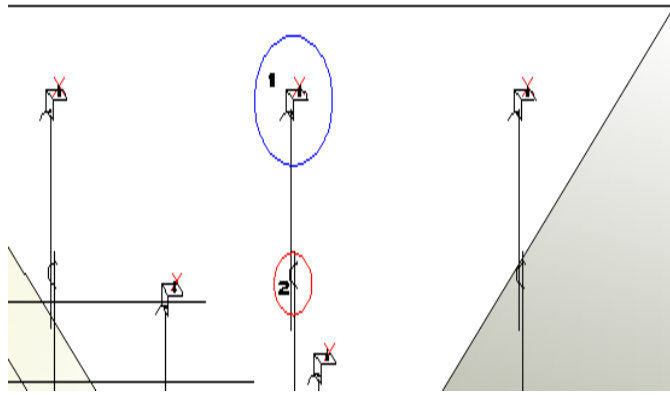


- 3- To fix the rib structure which will be formed by using profiles and to balance the montage, firstly expansion bolts are mounted to ceiling with 60 -120cm gap distance.(1)

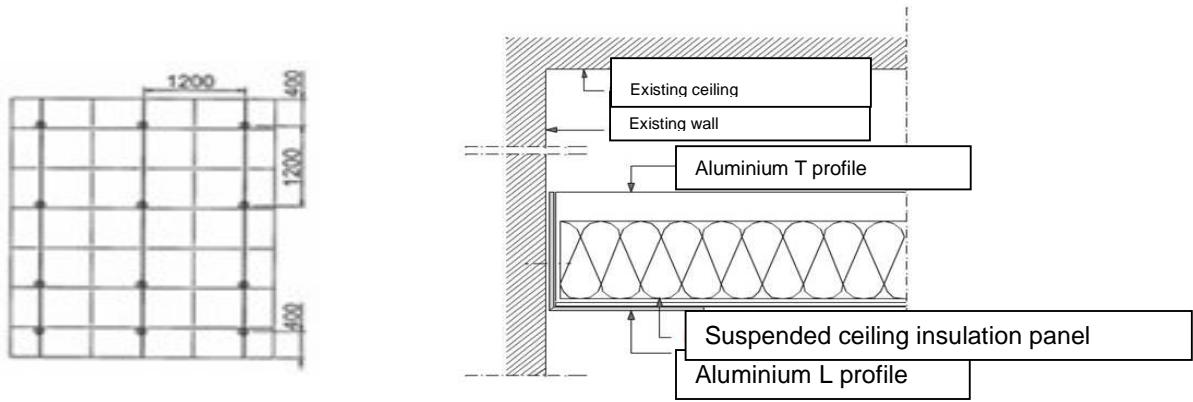


- 4- Suspensions (made of galvanized steel wire) are passed through the hole of expansion bolt. In order to get the exact balance; 2. suspension stick is connected to bearing system by the help of lever adjustment component which has double spring. Here, suspension stick may be cut by using steel truss to meet the system.

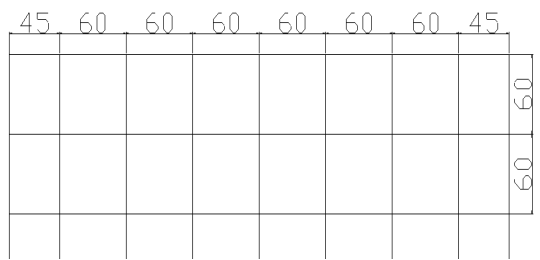




5- Rib structure formed by profiles is connected to a system.

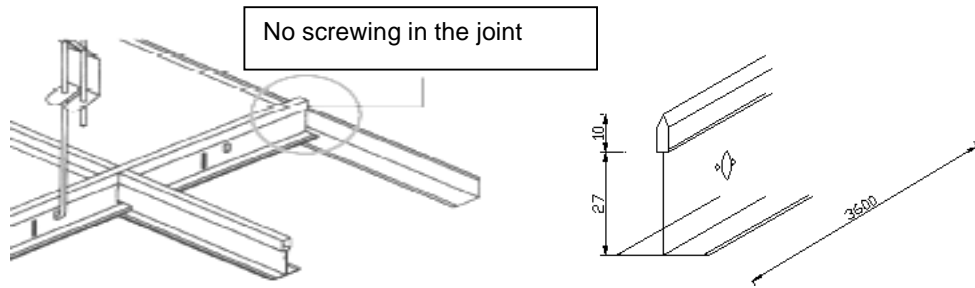
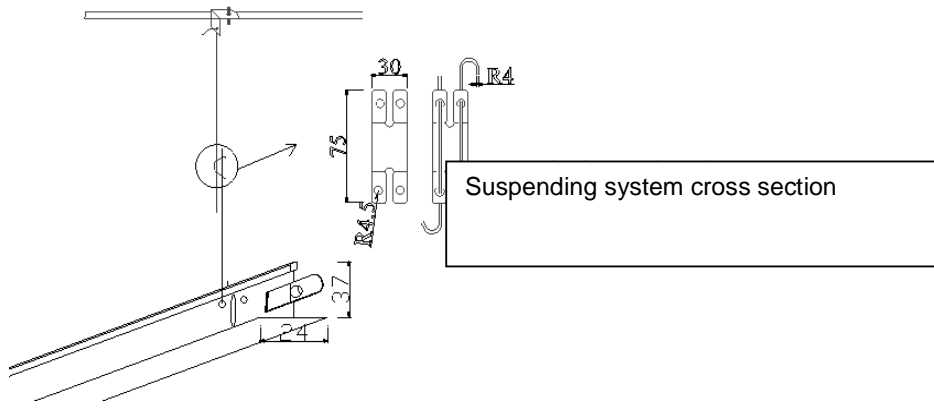


Example;

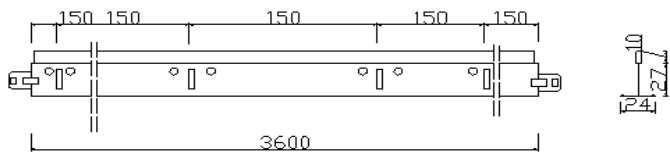


6- Suspending system starts with main bearing. there is no any screwing in the joint.

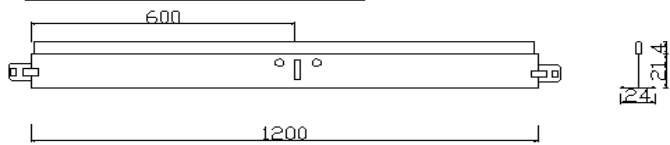


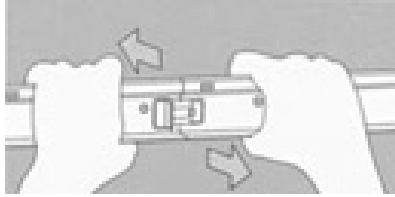


Main bearing 3600 mm

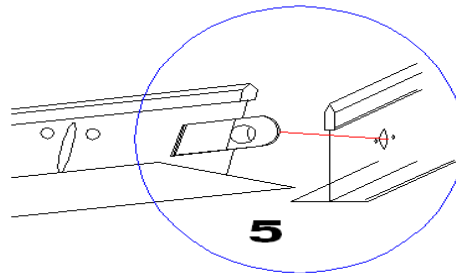


1200 mm Main bearing

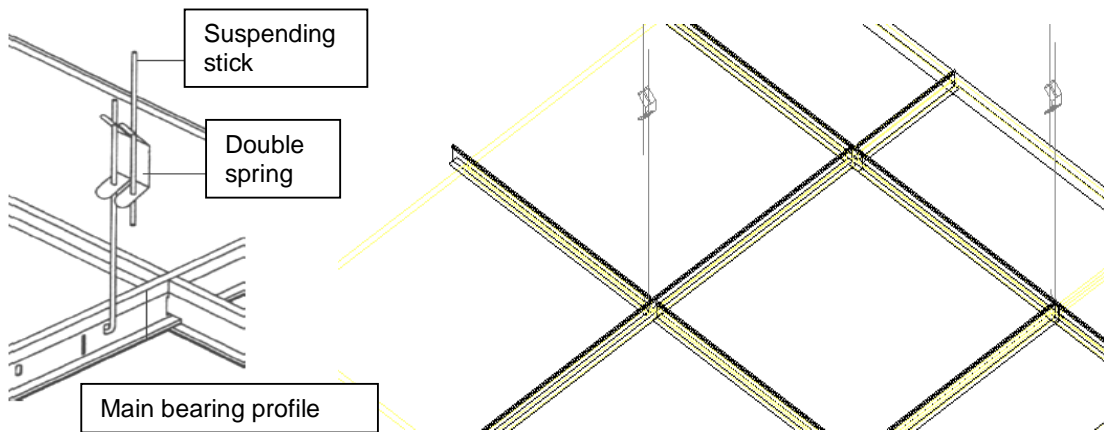


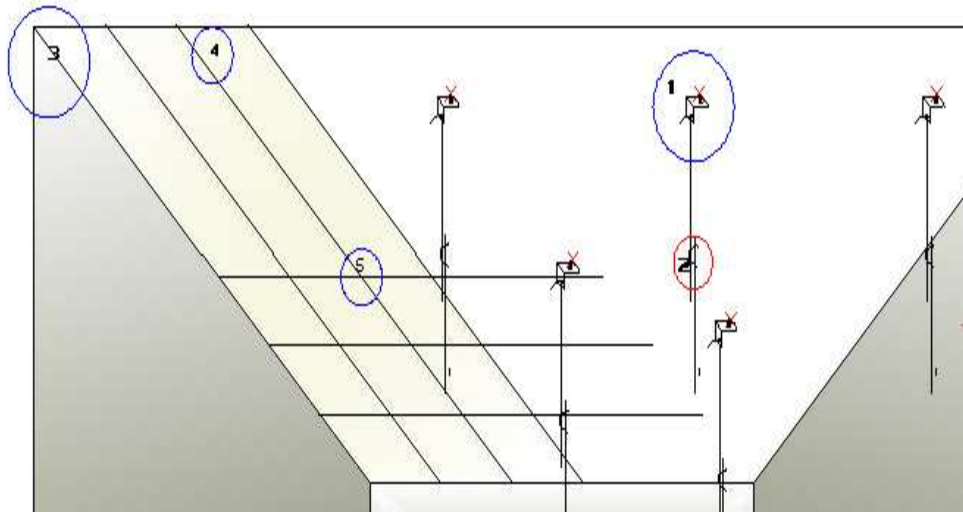
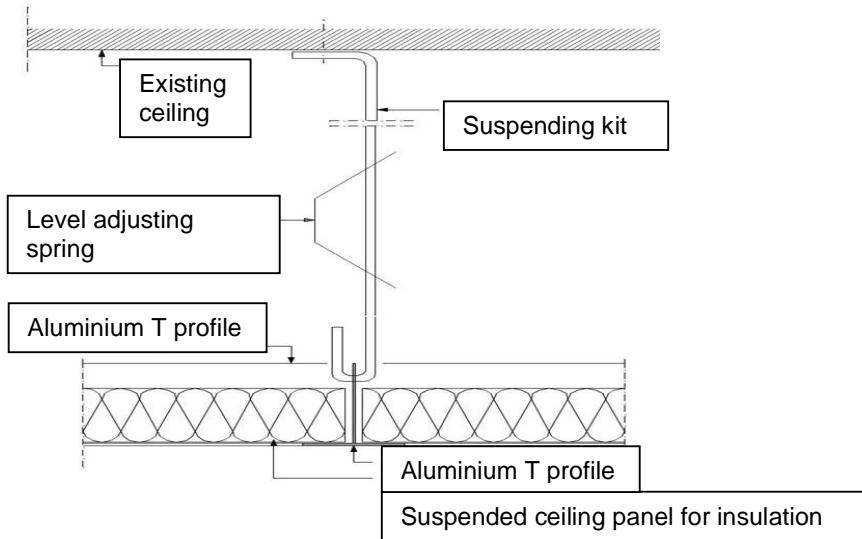


7- Auxiliary bearings(1200x600mm) should be mounted in accordance with the sizes across main bearings

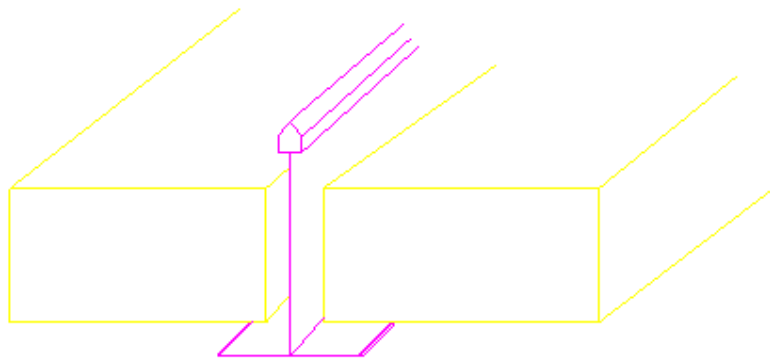
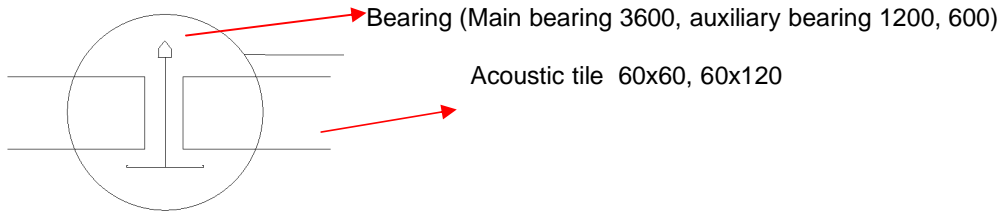
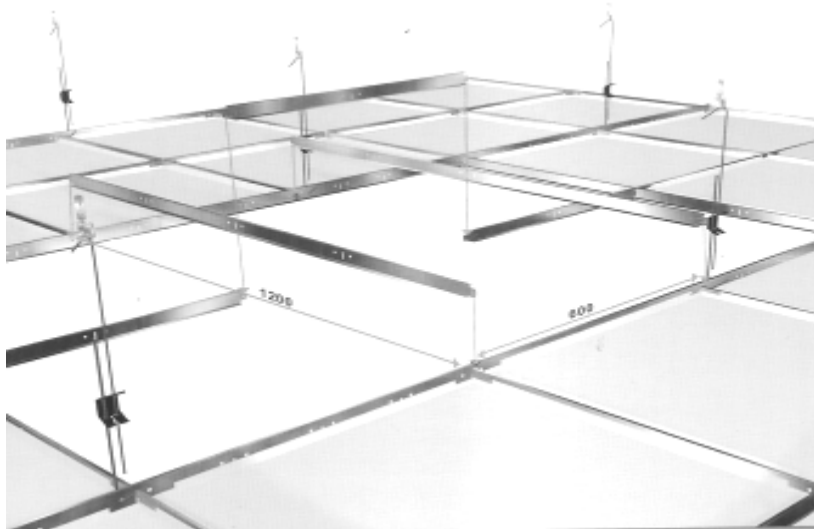


8- In order to get the balance of rib structure (grid);suspension system is mounted to the main bearing by the holes on the main bearing.



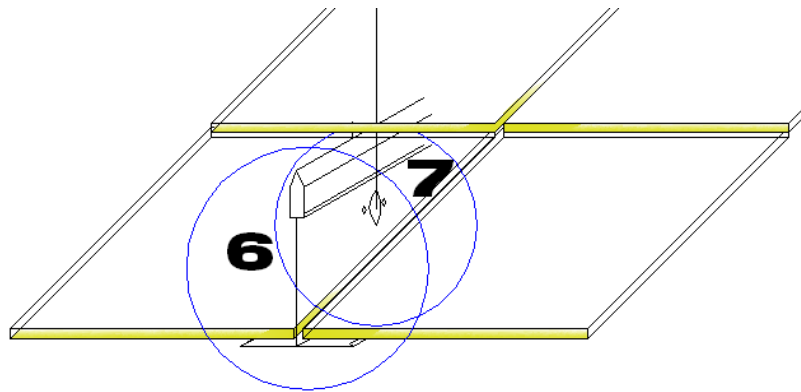
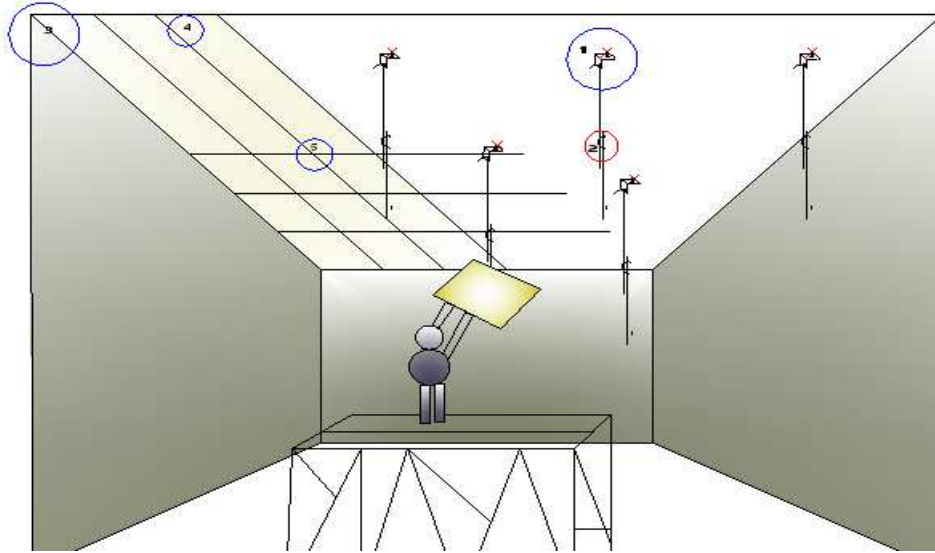


9- After montage of bearing system, panels/tiles are located by hand.

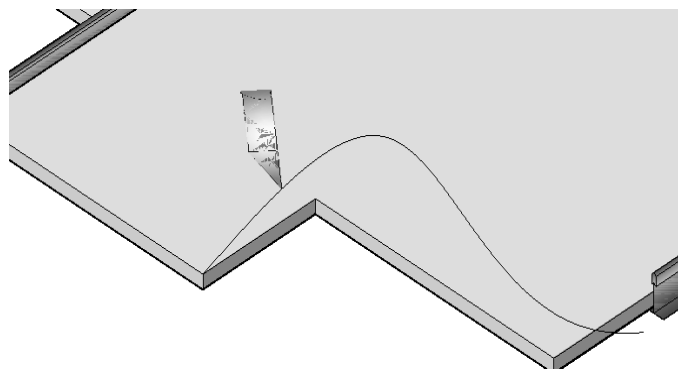


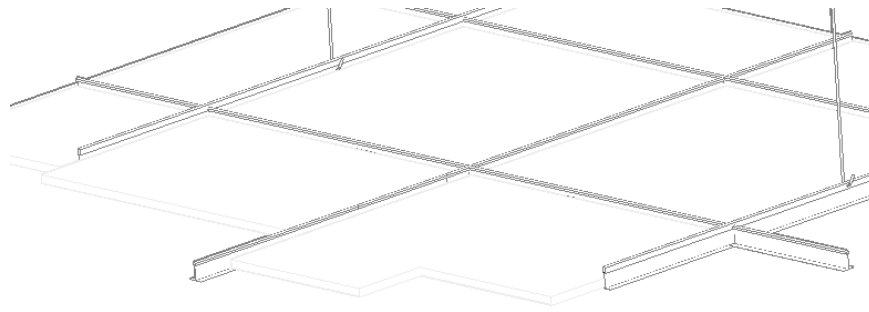
Tile corner cross section





10- Tiles/panels may be shaped easily by cutting if the montage place has smaller dimensions than 60x60 mm.

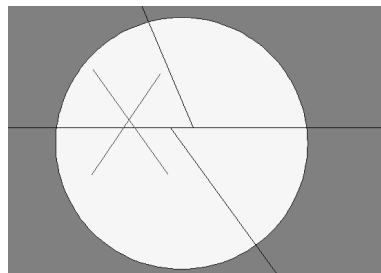




11- Joints should be in the same level while locating the panels.





Correct joint



Wrong joint

6 SAFETY:

 Proper scaffolding shall be used and safety harness to be used and secured, if required.

 All personal protective equipment shall be used as appropriate according to the nature of the job.