CLIP- IN SUBSTRUCTURE SUSPENDED CEILING INSTALLATION INSTRUCTIONS

Clip-In

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The SCP Clip-in substructure square suspended ceiling installation follows certain basic steps which are briefly presented bellow. SCP PRODUCTION strongly recommends that they are followed by every installation team so that the proper and acceptable result is achieved.

STEP 1: Perimeter profile installation

In order to install the perimeter profile (Image 1) the suspended ceiling's general level must be first determined. This is achieved using a water hose in smaller spaces, or laser rays in larger spaces and for higher precision. Then, the profile is installed perimetrically on the spaces's vertical elements and all its angles, fixed in intervals of maximum distance of 450 mm. The suspended ceiling's minimum distance from the existing ceiling is 80mm.

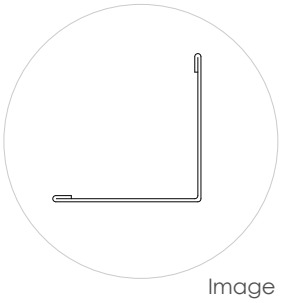


Image 1

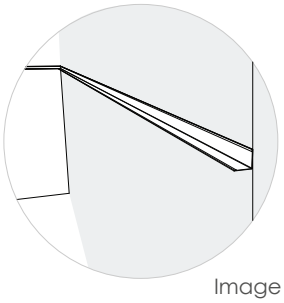


Image 2

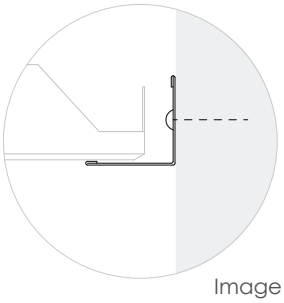


Image 3

STEP 2: Determining suspension points

The suspensions are placed along direction of the main runners (Code G1). The distance between the main runners should be 1200mm. The distance between successive suspensions along the main runner as far as allowed deflection and strength are concerned is determined by the ceiling's weight.

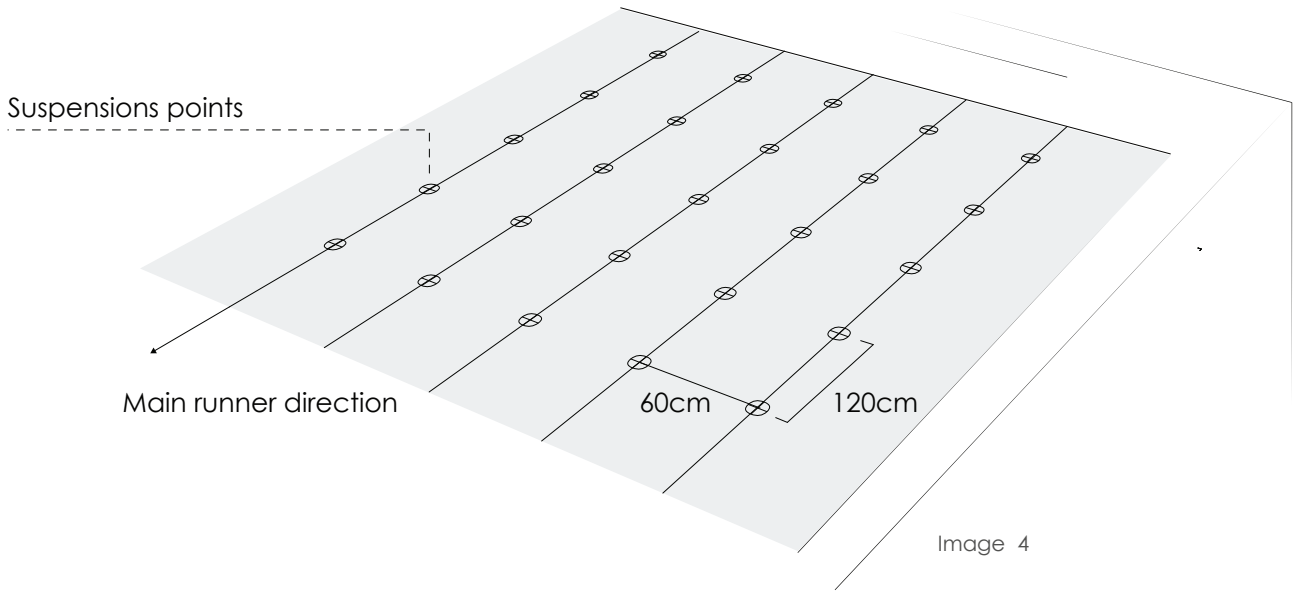


Image 4

STEP 3: Fixing suspensions

The steel anchors, that possess a special slot for hanger wires, are nailed into a hole of 8mm that is opened by electric drill (Image 5). Only steel anchors are recommended according to the standards, as they provide fire safety holding the suspended ceiling when high temperatures are developed. Height adjustment brackets (Image 6) are fixed on the hanger wires and the suspended ceiling's height is determined by the level the perimeter was installed in step 1. The suspension's height is not finalized in this step but later, with the assistance of the runners (Image 7). In case of air conditioning spouts their height and their positioning are determined so that they are properly placed in the grid.

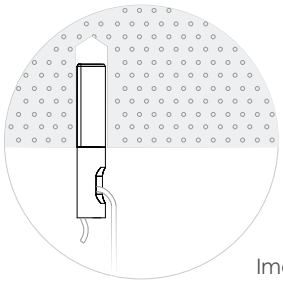


Image 5

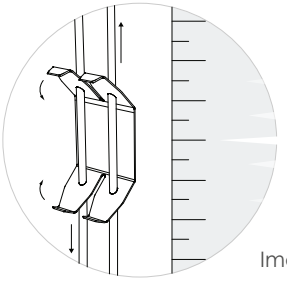


Image 6

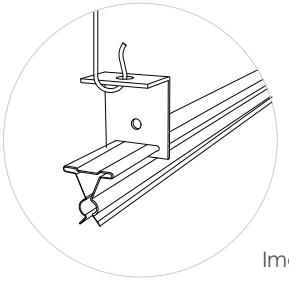


Image 7

STEP 4: Squaring

In the direction that was determined in step 2 a main runner is installed from on perimeter to the opposite, assisted by the suspension This runner will be the reference axis for the proper positioning of the rest ceiling. The runners' lengths are adjusted to the space's restrictions. When the length is not enough the runner is fastened to the next one, using the proper connector(Image 7). The runners' height is adjusted to the level that was defined by the perimeter profile and the suspension is finalized.

Note: For steps 1-4 laser tools can be used for higher precision.

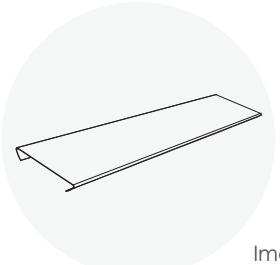


Image7

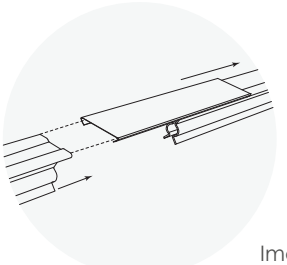


Image 8

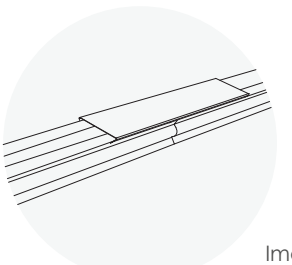


Image 9

STEP 5: Tiles installation

The tiles are installed oi series, leaving where the luminaries will be installed. With the tiles' assistance the ceiling should be constantly checked if its squared. The tiles should fit properly, without any gaps or discontinuities. The corner tiles are installed after they are cut so to fit the gaps. In case the ceiling is not rectangular, the tile should be cut obliquely with the use of an adjustable saw (Image 8).

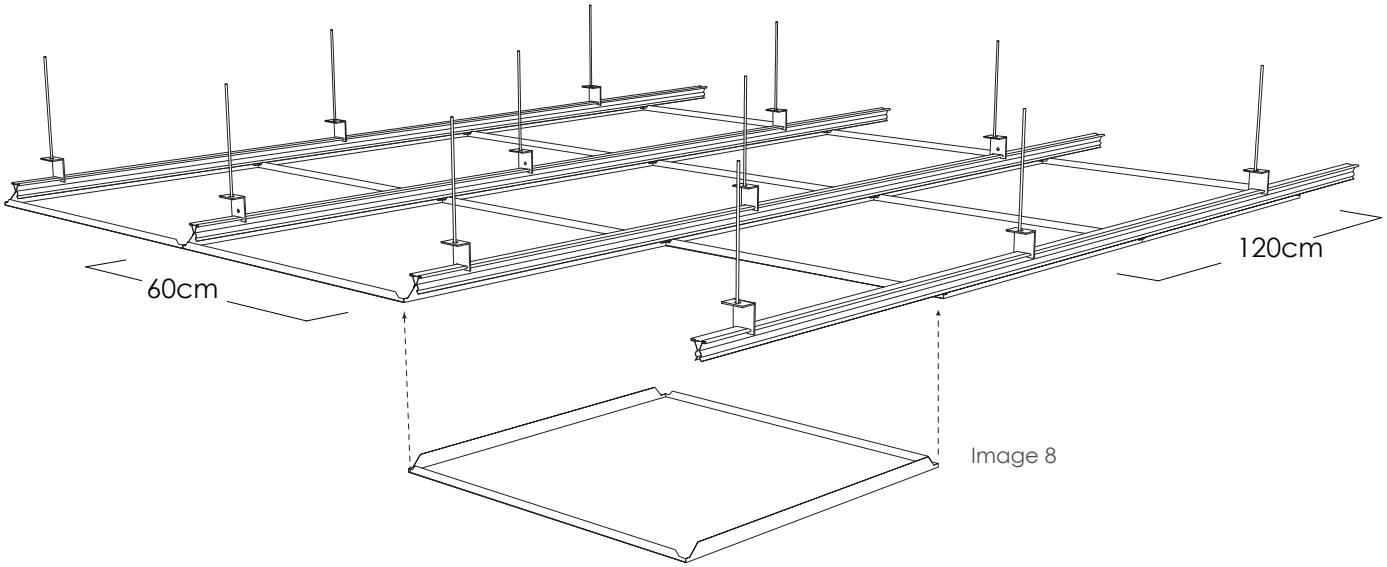
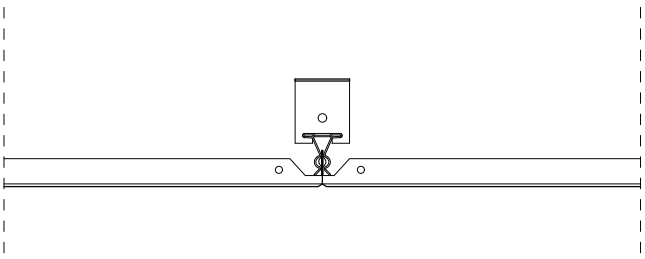


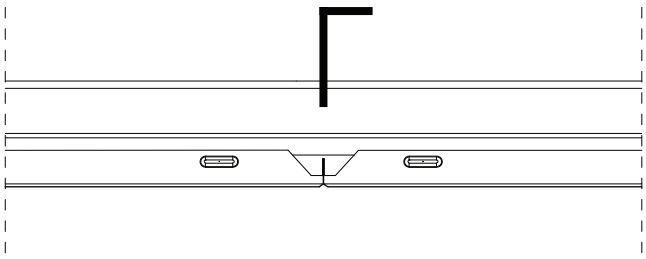
Image 8

During the installation of the tiles the suspended ceiling is constantly squared and leveled.

The use of gloves is necessary during the installation of the tiles.

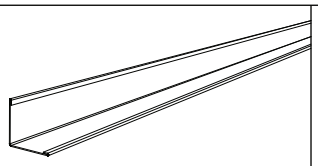
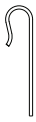
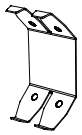
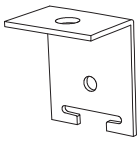
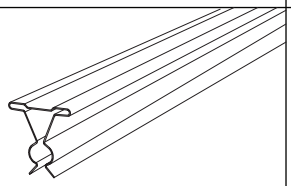
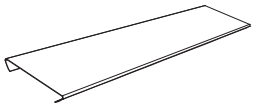
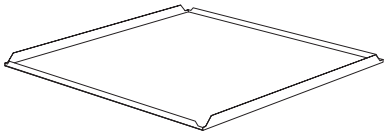
For all the cuttings proper tools should be used and all safety rules be followed





Sections of the clip in suspected ceiling predicted application

Clip-In Ceiling – Accessories Catalog

	7010	Perimeter angle 24x24x3.05	40/
	An-8	Metal suspension anchor 8mm	500/
	Sg-3	Suspension hanger wire 3mm	50/
	S3	Suspension bracket	500/
	C.H.	Clip- in Runner Hanger	
	C.Runner	Clip- in Main Runner	18/
	C.J	Clip- In Runner Connector	
	ACT 5	Main Tile Element 600mm	20/

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