

# Quadrillo Acoustical Wood Panel Product

Direct Mount Ceiling Installation

Typical Product Details including installation



Designed and Engineered  
by: **Decoustics**

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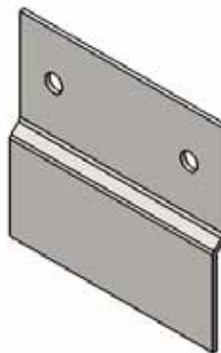
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# Quadrillo Direct Mount Ceiling Installation Instructions

1. Prior to installation please check and verify that all required components have been received. Using the attached drawings identify all components received.
2. Check and verify the quantities of components received against the quantities required for the project.



**Ceiling Track**



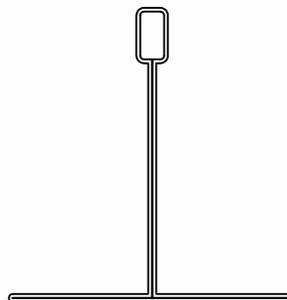
**Aluminum  
Attachment  
Clip**



**Type A screw  
#8 x 5/8"**



**TEK screw  
#8 x 1/2"**



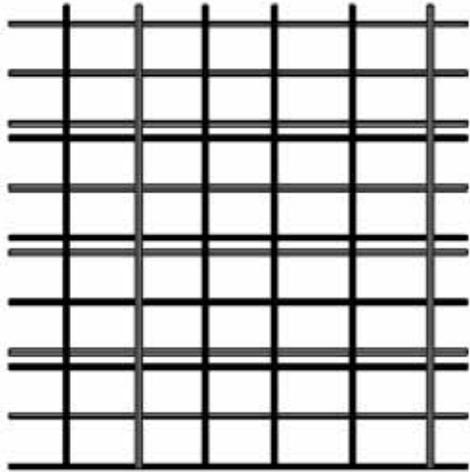
**Gypsumboard  
T Bar**

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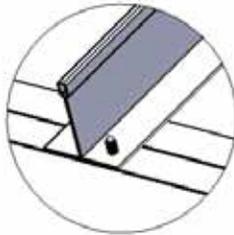
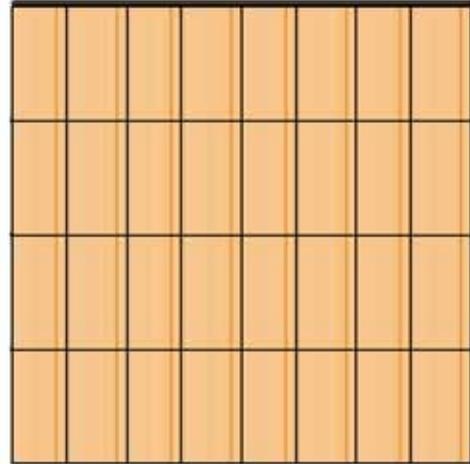
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### 3. Review installation drawings (Structural Layout and Panel Layout)

Structural Ceiling Layout  
(Top View)



Ceiling Panel Layout  
(Panel Layout)



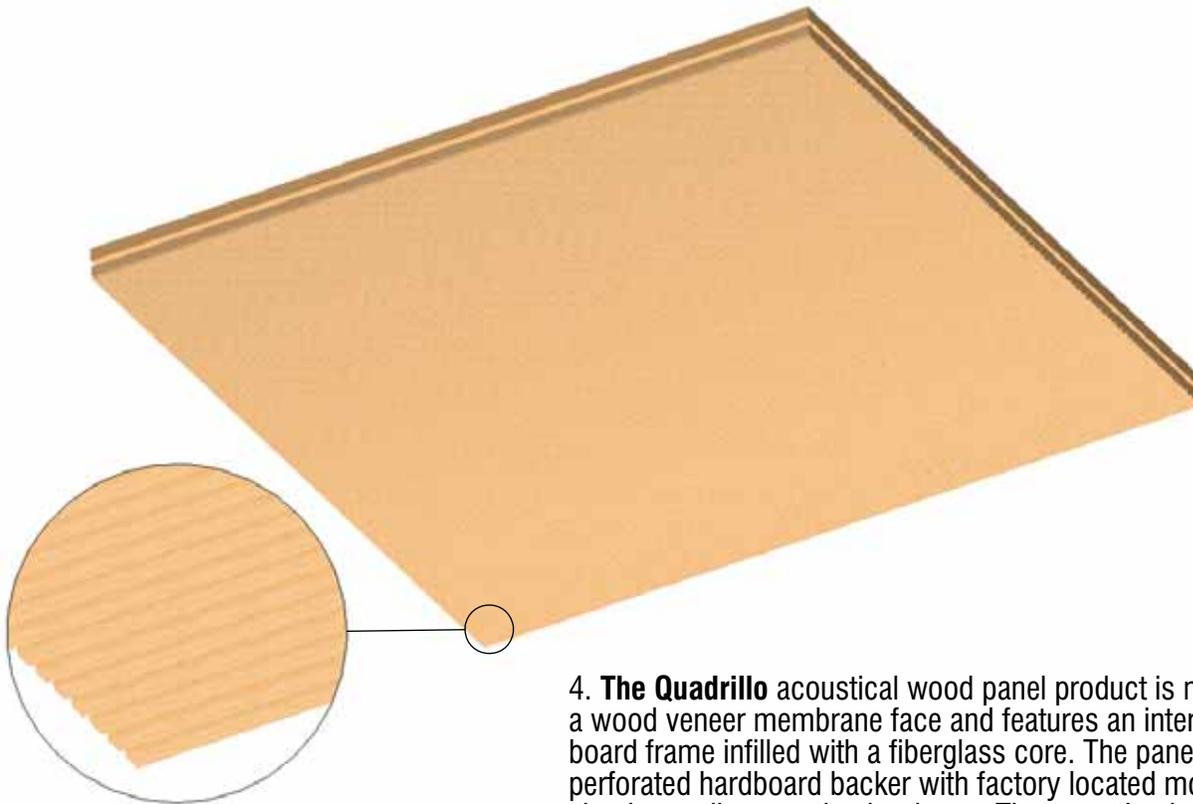
**Perspective View Top**  
Ceiling track attached to  
Drywall T bar with self tapping  
metal screws.(as required)

**Panel Layout**, verify panel locations  
and panel attachment clip positioning.  
Ensure that all attachment clips will  
engage the structural support.

**Note** - Structural layout shown is typical  
for wood panel products and special acoustic  
panel types (ei. REF, STC, etc.) All cross  
members will be spaced nominally on 24"  
(610mm) centers. Please contact **Decoustics**  
for any project specific questions that you  
may have.

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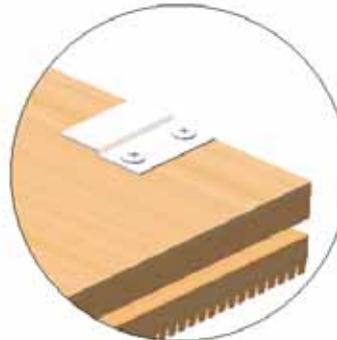
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**Perspective View, Membrane Face**

Note the Quadrillo membrane features a "V" groove face finish. a similar "V" groove pattern is machined into the back of the membrane perpendicular to the face machining. This allows the panel to be acoustically transparent.

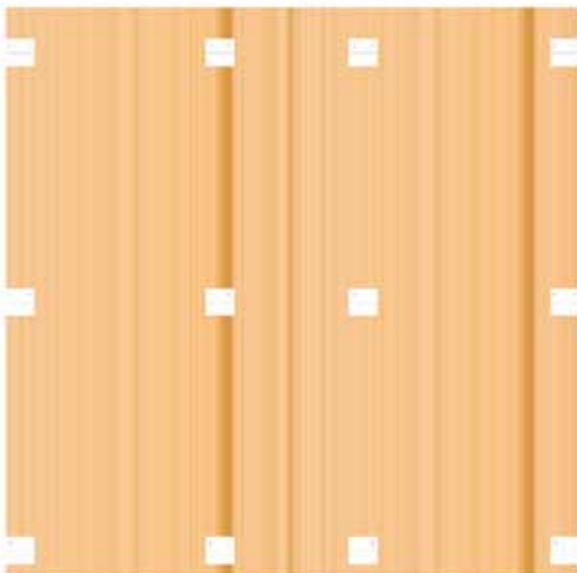
4. **The Quadrillo** acoustical wood panel product is manufactured with a wood veneer membrane face and features an internal mdf or particle board frame infilled with a fiberglass core. The panel is finished with a perforated hardboard backer with factory located mounting holes for aluminum clip mounting hardware. The mounting hardware must be located and attached on site prior to the installation of the Quadrillo panel.



**Perspective View, Aluminum Clip Mounted to the back of the Quadrillo panel (as shown)**



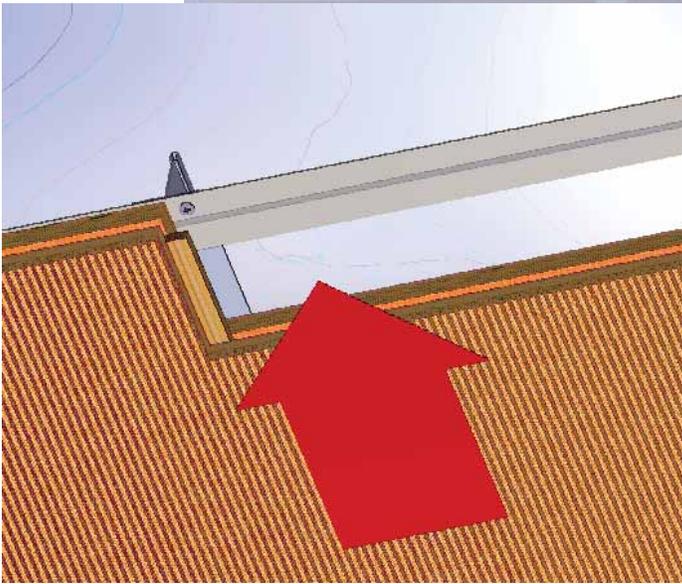
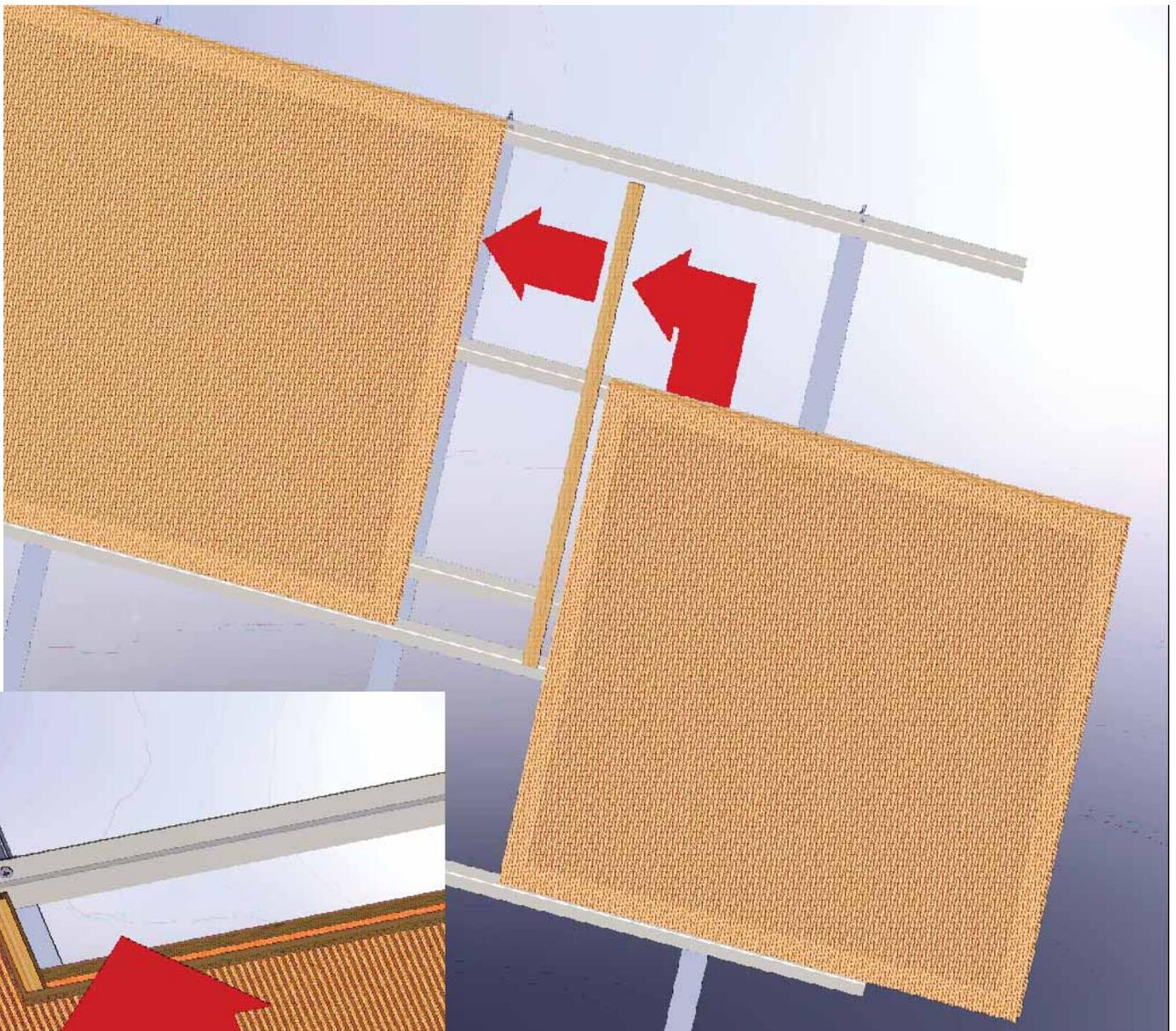
Install



5. **Aluminum** clips are attached to the back of the Quadrillo panel with wood screws provided. All mounting holes are factory located and pre-drilled. Note the position and orientation of the Monarch clip placement on the back of the Quadrillo panel.

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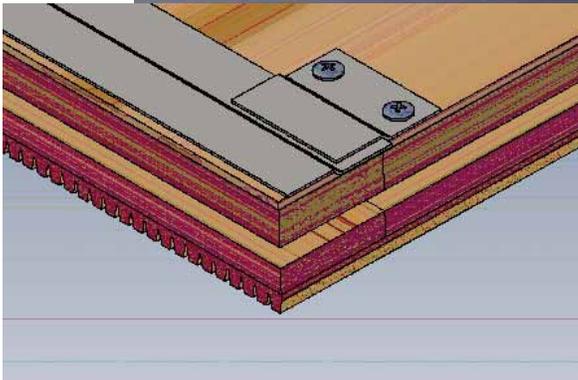
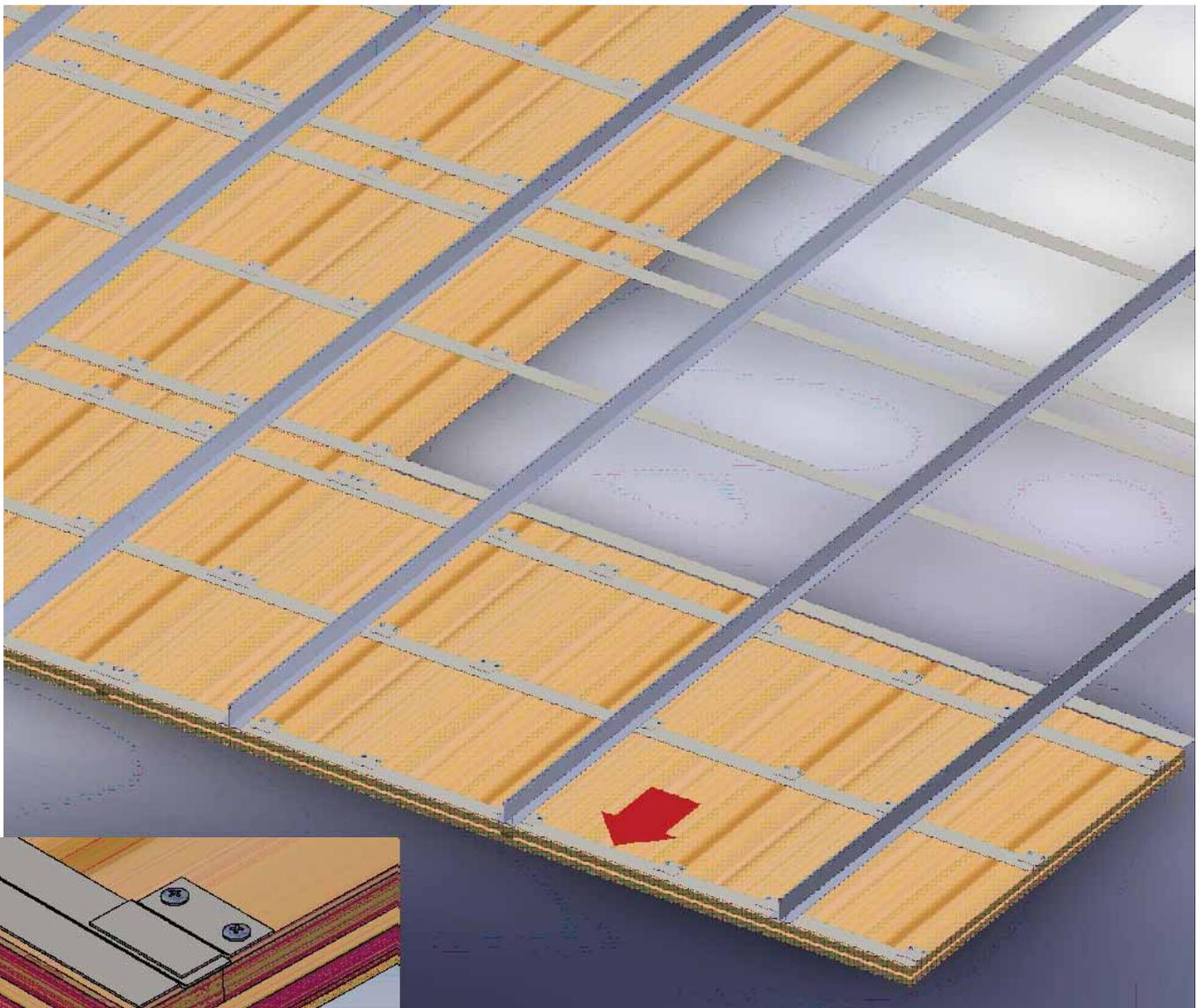
6. **When installing Quadrillo panels** onto ceiling track a factory supplied wood spline is incorporated into the edge between panels to maintain the proper alignment and panel height in relation to that of adjacent panels. The aluminum clips mounted to the back of the Quadrillo panel interlock with the Decoustics supplied ceiling track rails.

### **Perspective View, Quadrillo Panel Mounting**

Note Quadrillo panels are mounted to ceiling track rails with aluminum clips. Factory supplied wood splines are used between panels to maintain alignment between panels.

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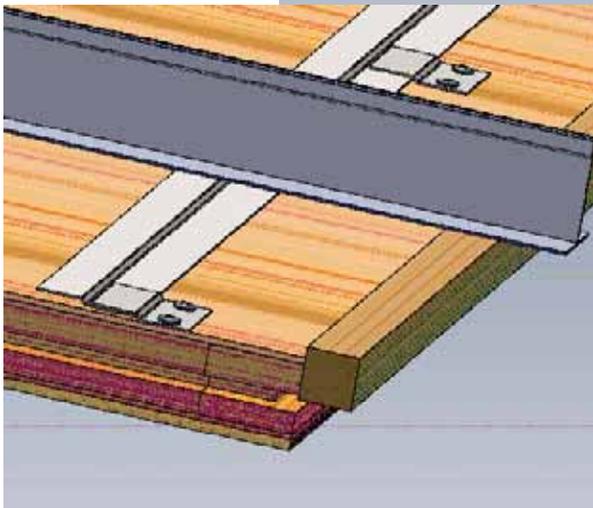
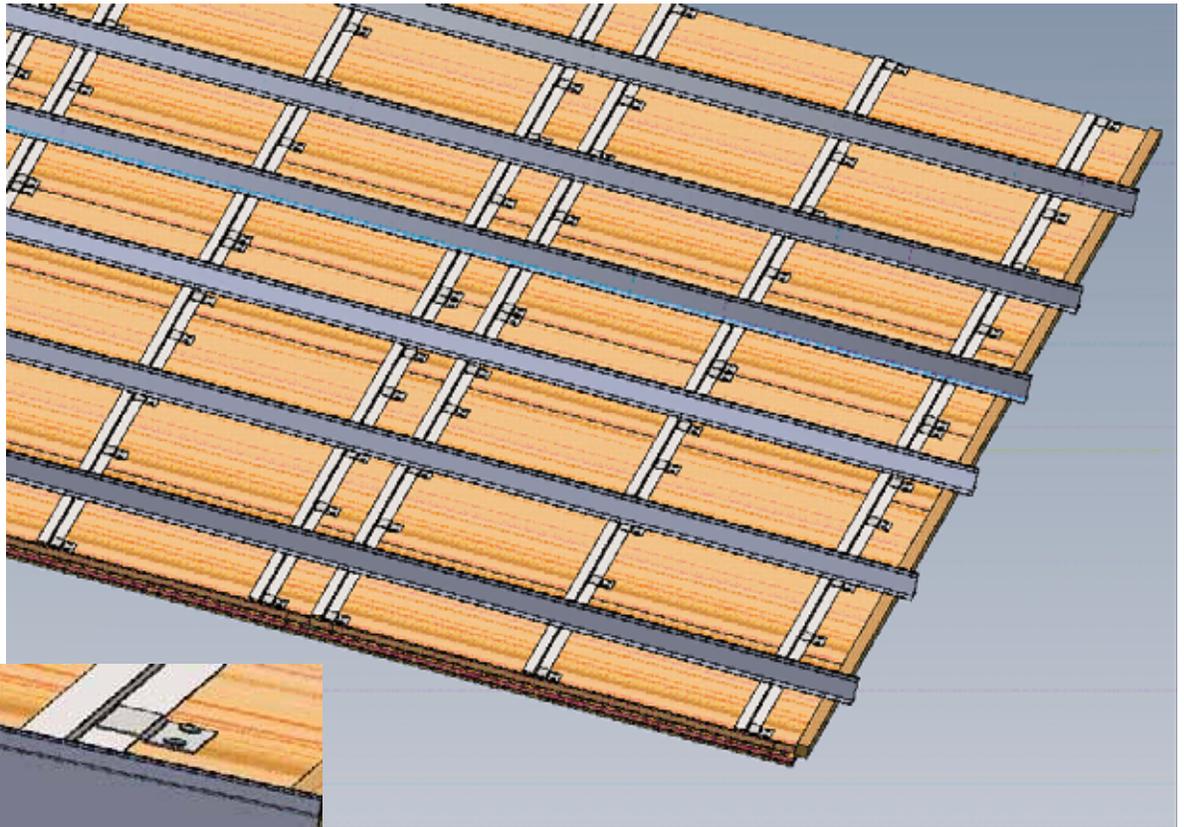
7. **Quadrillo panels** are mounted directly into ceiling track with factory supplied aluminum clips. The aluminum clips mounted to the back of the Quadrillo panel and interlock with the site installed ceiling track. The installation of Quadrillo panels is directional featuring a positive and strong attachment to the ceiling substructure.

**Perspective View, Quadrillo Panel Mounting**

A detailed view of a aluminum clip engaged in to ceiling track . (as shown)

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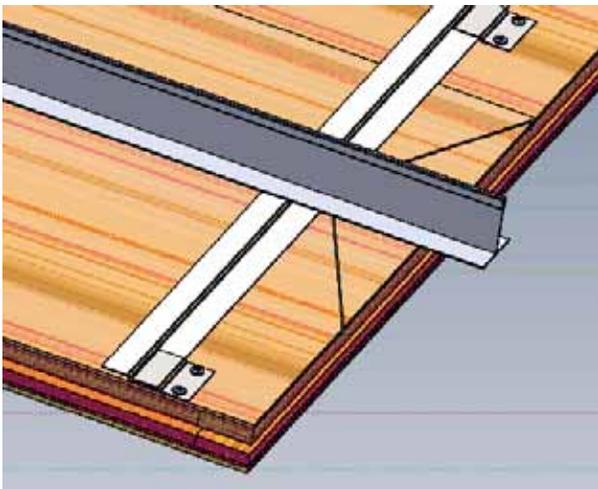
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**Direct Mounted Quadrillo Panel Stop Blocking**

A detailed view of wood blocking used to lock the ceiling structure in position.

8. **Direct Mounted Quadrillo** ceiling panels are progressively installed onto ceiling track. Once the ceiling panel installation is complete the entire ceiling must be locked into position with the use of wood blocking or Decoustics Locking Clips / mechanism. The blocking and/or locking clips/mechanism must be secured to the ceiling substructure as required.



**Direct Mounted Quadrillo Panel Locking Clip**

A detailed view of the Decoustics locking clip used to lock the ceiling structure in position.

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