Direct Suspended Custom Ceiling System

Typical Panel Details featuring Fixed Panel Installation

Designed and Engineered by: Decoustics

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Direct Suspended 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.
3. Review installation drawings (Suspension Layout and Panel Layout)

Note - Suspension layout shown is typical for panel sizes up to 48" x 48" x 1 1/8" (1220mm x 1220mm x 29mm) thick. For panels exceeding 48" (1220mm), or greater than 1 1/8" (29mm) thick, additional cross members will be required. For wood panels and special acoustic panel types (e.g., REF, STC, etc.) cross members will be spaced nominally on 24" (610mm) centers. Please contact Decoustics for any project specific questions that you may have.
4. **Starter Panel** Note: the configuration and placement of the DPC-3 clips. Panel is installed with the interior clips integrated with the ceiling track rail located on the suspended support structure. The end overhanging clips are screwed to the furring channel rail.

5. **Intermediate Panel** Note: the configuration and placement of the DPC-3 clips. Panel is installed with the lead clips over hanging the prior panel and offset to avoid interference with the starter panel overhanging clips. The overhanging DPC-3 clips are then screwed to the furring channel rail that is part of the suspended grid. This process is repeated for all intermediate panels. Do not butt panels tightly together as tolerancing issues may occur.
**Intermediate Panel:** It is important to note the placement and installation of direct mount panels. Panels must be installed centered within their allowed opening. This will facilitate a tolerance allowance between panels which can be utilized during installation to balance the placement of panels. This process is to be repeated for all intermediate panels. **During installation panels under no circumstances should be butted tightly together as tolerancing issues will occur.**

**Intermediate Panel** Note: the configuration and placement of the DPC-3 clips. Panel is installed with the lead clips over hanging the prior panel and offset to avoid interference with the starter panel overhanging clips. The overhanging DPC-3 clips are are then screwed to the furring channel rail that is part of the grid support. This process is repeated for all intermediate panels. **Under no circumstances should panels be butted tightly together as tolerancing issues will occur.**
This installation manual provides step by step instruction on the installation of Direct and Direct Suspended ceiling systems. The information is based on the most typical installation scenario. Note that some custom installations may vary the design of the grid support structure, however the installation techniques remain the same unless noted otherwise. Please contact Decoustics engineering department for additional assistance on all custom designed installations.
**Installation Instructions for Direct Suspended Ceiling Panels Incorporating a Spring Type Locking Clip**

1. **Step 1** - Install the locking clips onto the ceiling track as shown. Use a single #10 screw to affix the clip to the track.

2. **Step 2** - Locking clip should be positioned with the hooked end drooping to accept the ceiling panel edge as shown.

3. **Step 3** - Using the panel edge engage the locking clips and slide the panel beyond the edge of the ceiling track.
Step 4 & 5: Apply upward pressure on the ceiling panel to ensure that the DPC-3 clips are aligned with the ceiling track and will engage the track when the panel is allowed to slide forward into its final position. Note the spring locking clips will retain the panel in its final installed position.

Step 6: Slide the ceiling panel forward to its final installed position making sure that all DPC-3 clips engage the ceiling track.
Step 7 Top view illustrating the engagement of the spring type locking clips.

Step 8 Top and Ceiling side view of a single panel installation with spring type locking clips.