



Direct Attachment to Ceiling Grid

Limitations & Guidelines

The Fellert acoustical plaster system can be installed to 16" [406mm] o.c. drywall grid. The substrate is constructed without a layer of GWB. The Fellert acoustical boards are mechanically attached to drywall grid thereby eliminating the need and cost for a layer of GWB. There is an increase in sound absorption performance in the low frequency range with the direct-to grid installation method which is commonly referred to as the E-400 mount and/or air gap behind. There are limitations to what types of substrate designs that can be done with the Fellert direct-to-grid method. The following are guidelines:

- Flat shapes are achievable with the normal Fellert direct-to grid installation method. This includes angled ceilings and walls 6' (1.82M) above FFL. This is the standard Fellert direct-to-grid application method and is expected from all trained installers.
- Barrel vaulted ceilings are possible providing the drywall grid is 16" o.c. However, note that this installation method will be more time consuming as more Fellert Spring Washers will be needed. Consult with your local Fellert agent prior to specifying the Fellert direct-to-grid system on a barrel shaped ceiling.
- Domes and vaulted ceilings are not possible with the direct-to-grid system.
- HVAC system in the occupied space is to be properly balanced.

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