Subject: Re: Designing proper acoustics into a building
Posted by johnnycamp5 on Tue, 01 Jan 2019 15:44:15 GMT
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It's not always cheaper later, and sometimes more costly.

I'm currently working on a quote for an office suite that is approx. 4000' square (Its new construction, in a large, old concrete building).

All of the walls are proposed using 20guage metal studs 16" on center, with "Roxul" safe and sound in the cavities. All office partition walls use resilient channel or "sound channel" (on both sides of framing) every 2' horizontally, topped with 1 sheet of 5/8th's rock.

The common walls also use resilient channel, but with two layers of 5/8th's for both density and fire rating. Ceiling height at this project is about 12.5' (concrete, no drop ceiling). 2'x 4' Owens 703 (2" thick) panels are to be material covered, and hung in each office ceiling at around 10' (parallel to the ceiling).

In my experience, these are some general construction practices that seem to make any office space or lobby a very comfortable space (acoustically), more so after a few pieces of soft furniture are added.

Ive also done this in residential (studio) type settings with good general effect.