

case study

Project . . . **The Lancaster Dispensing Company**

Location . . . **Lancaster, PA**

Product. . . **MetalWorks™ Tin ceiling**

the challenge:

The owners of The Lancaster Dispensing Co., a Victorian-style pub and restaurant, were looking to enhance both the aesthetics and acoustics of their 30-year-old establishment by replacing the pub's smooth, hard-surfaced plaster ceiling that added little in terms of ambiance and noise control.

the solution:

To attain their goals, the owners partnered with Armstrong and installed a new MetalWorks Tin ceiling. Featuring a classic stamped metal pattern, the new 2' x 2' copper-plated panels are the industry's only grid concealing 9/16" Tegular extra microperforated acoustical option. They are installed on a color-coordinated Suprafine 9/16" grid system suspended from the existing plaster ceiling.

Co-owner, Brad DeForge, notes the visual impact of the new ceiling has not gone unnoticed. "Many of our regular customers who never looked up before, have definitely noticed," he states. "And, even though it's a brand new ceiling, it has the look of a ceiling that's been here since we opened."

To achieve the desired acoustic environment, the metal ceiling panels are extra microperforated and backed with a fiberglass infill. The perforations measure only seven-tenths of a millimeter in diameter, which makes them nearly invisible. Yet, they allow the ceiling to absorb 85% of the sound that strikes them.

Co-owner, Judy Ross, says both she and the staff have observed a dramatic difference in acoustics. "The clarity of conversations is much better because people don't have to talk above the crowd noise," she states. And, as a waitress who has worked at the pub for the past 15 years, put it, "I walked in today and felt like I was wearing earmuffs."

Acoustical testing before and after the installation of the new ceiling validates the staff's observations. According to the findings, the exclusive MetalWorks Tin extra microperforated ceiling system not only reduced reverberation time 44%, but also lowered the occupied noise level up to 7 decibels.



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