



WOODTRENDS® | SELECT



CASE STUDY NO. 2 | UNC IMAGING RESEARCH BUILDING CHAPEL HILL, NORTH CAROLINA

OVERVIEW

This project incorporates one thousand seven hundred and thirty square feet of WoodTrends Select, maple veneered acoustical ceiling panels and seven thousand seven hundred and fifteen square feet of plain sliced Select steamed beech veneered ceiling panels. The project consists of many individual ceiling locations, as opposed to one large ceiling.

PRODUCT

The lobby Select ceiling panels feature a plain sliced steamed beech veneer. Multiple corridor and seminar room locations feature Select plain sliced maple veneer. Due to the size of the project, sourcing the logs for the veneer

was challenging. While the quantity of the steamed beech was manageable, the maple veneer portion needed to be sourced from multiple logs. Choosing those logs with an eye towards consistency of grain structure and color was paramount. After slicing, the veneer was laid up by hand with particular attention to location in each individual space. While pre-manufactured veneer, or even laminate would have shortened the lead-time for the products, make to order manufacturing of the veneer assisted in keeping the cost down and maximizing quality control. The panels were manufactured in a manner so as to provide access at virtually any location. To provide the owner with



a truly acoustical ceiling, the back-side of the panels were covered with an acoustic textile combined with a barely visible micro-perforation, resulting in a full 0.75 NRC rating per ASTM C423.

INSTALLATION

Construction documents for the project called out accessibility in all locations. This was achieved by various means. During the shop drawing process, much collaboration occurred between manufacturer and installer.

Complex shop drawings were created showing a combination of reflected ceiling plans and sections through the multiple planes and levels of this ceiling. The incorporation of multiple floating cloud assemblies added to the complexity of these ceiling panels, requiring precise installation. As is typical with these ceiling types, the incorporation of lighting, HVAC, and fire protection proved to be difficult not only for the design team, but the installation team as well.

Adding to the complexity of the job, this particular ceiling panel install was replicated in multiple locations throughout the building, requiring an unusually high amount of product handling and movement. Additionally, the product was installed as floors became available thus causing scheduling of the work to become challenging.

The final step in the completion of this job included the careful sorting and matching of hundreds of linear feet of ceiling edge trim to each individual ceiling assembly. This allowed for as much visual consistency as possible in grain structure and color between the ceiling panels and trim-work.

Overall the consistent quality from panel to panel and ceiling assembly to ceiling assembly is testament to the pristine manufacturing of the WoodTrends Select product along with the focus and detailed approach from the installation teams.

