



WOODTRENDS® | TOPLINE & SELECT



CASE STUDY NO. 4 | THE JAMES B. HUNT JR. LIBRARY RALEIGH, NORTH CAROLINA

This project incorporates two different types of product to accomplish the acoustical goals set forth early in the project. The first product is WoodTrends Topline, a wood veneered acoustical wall covering, incorporating a Class A fire-rated, no added urea-formaldehyde medium density fiberboard core. The veneer species is a clear stained European Oak. Installed behind the wall covering is a 1" thick 3 pound per cubic foot fiberglass backing. 6,025 square feet of this product was installed on the second and fourth floors and is the main source of absorption located in the 2nd floor space.

The installation included hundreds of feet of stainless reveal trim into which the Topline had to be fitted utilizing many field cuts. Product yield was calculated using

sophisticated nesting programs ensuring that enough product was manufactured to achieve the installation in the most economical fashion. Prior to manufacturing, a small mock-up was produced and installed. This enabled the entire team to convene and ensure that the ultimate fit and finish of the product was acceptable.

Installation was accomplished while coordinating with some very sophisticated HVAC equipment that was being installed in the building at the same time. Environmental conditions were closely monitored throughout the building in an effort to avoid any adverse effects to the products.



On the 5th floor, 2,500 square feet of the same product was utilized along with a matching ceiling panel, WoodTrends Select. This veneer species was an American Maple with a clear uv-polyacrylate lacquer. The same pattern of stainless steel reveals was incorporated into the walls on the 5th floor.

As challenging as any other aspect of the project was the task of ferrying eight thousand five hundred square feet of product through standard elevators up to the fifth floor. The six thousand square foot ceiling utilized a 48" x 24" module size, which incorporated the same groove pattern that was used on the wall. Instead of planks attached directly to furring, the Select ceiling panels were mounted on a Z-grid attached to a suspended heavy-duty drywall grid. Complicating matters further was the fact that the ceiling was installed with a very specific slope to it.

Again, environmental conditions were monitored throughout the installation, as there is an exceptionally large amount of glass window around three sides of the perimeter of this room. The Select ceiling panels utilize an acoustic textile adhered to the back of the panel to achieve the desired noise reduction coefficient (NRC). No other acoustical material is required.

Finally, the high profile nature of this particular building was in the back of everyone's mind throughout the process. Because of this added stress, the completion of the project was even more rewarding. The entire team truly rose to the occasion.

