

PROJECT PROFILE

Tony and Libba Rane Culinary Science Center

World class culinary center blends learning with a luxury hotel and restaurant.

The Tony and Libba Rane Culinary Science Center (RCSC) at Auburn University has all the right ingredients to shape the next generation of top-tier culinary and hospitality professionals while providing exceptional guest experiences in a revolutionary educational facility.

When open in Fall 2022, the \$110 million, 142,000 square foot center will house academic spaces including a teaching restaurant, culinary teaching kitchens, wine appreciation center, distilled beverages center, brewery, and classroom spaces. The Center's hospitality spaces will feature high-end hotel rooms, living units, fitness center, spa, roof top event center, roof top garden, and roof top pool. The RCSC will also include an expansive food hall and coffee bar.

"The center will be equipped with the latest technologies and resources students need to gain necessary skills, grounded in science, to compete in the global marketplace," according to project documents. "It will be one of the most exciting culinary and hospitality education centers in America."

Site work for the RCSC started in May 2020. Over the next two years, a seven-story building with a one-story attached structure emerged. To ensure the center's reputation as a revolutionary educational facility, architects specified state-of-the-art waterproofing and air barrier technologies manufactured by Carlisle Coatings & Waterproofing. Performance Sealants and Waterproofing LLC was chosen to install the products based on its established reputation for high quality work performed on past university projects.

Tony and Libba Rane Culinary Science Center at a glance

Architect:

Cooper Carry

Building Owner:

Auburn University

Carlisle Representative:

Ryan Mayberry

General Contractor:

Bailey Harris

Waterproofing/AVB Contractor:

Performance Sealants and Waterproofing.

Expected Completion Date:

Fall 2022

Carlisle Coatings & Waterproofing Products:

- Barritech VP
- CCW 500R
- CCW MiraDRI 860
- MiraPLY™
- 190 FR-A
- Barrithane
- CCW 705 RS



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“We’ve done a lot of hot applied roof jobs at Auburn,” said Brian Ward, Performance Sealants owner. “We use Carlisle on most of the jobs we do. Most products perform about the same. Price-wise Carlisle is always in a good place, so it keeps us competitive. But great tech support is what makes Carlisle stand out. That’s what, to me, sells the deal. Especially on universities. There are a lot of needy owners and architects who want letters, site visits or detail reviewed. Carlisle has always done a great job providing that kind of support. That helps us so that we don’t get bogged down with the worries of the owners and architects.”

Ward said his crew installed roughly 30,000 square feet of CCW 500R hot applied membrane on the tower roof (which includes pool & gardens), 4th floor roof, and the 1st floor valet court. The roof gardens are different than past roof gardens his crew has waterproofed. “These are very large, raised bed roof gardens that will be used for planting herbs and vegetables. Students will plant them and harvest the food for use in the restaurant.”

Barritech VP was installed on 76,000 square feet of exterior walls on both buildings. Ward said his crew has applied the vapor permeable air and water resistive barrier many times before. “They like it. It’s easy to work with.”

When he saw the number of large windows on the project, Ward made an unusual call to detail all the rough openings with Barrithane, a fluid-applied, vapor-permeable membrane.

“It’s expensive, yes,” he said. “But Barrithane is so easy to work with. We had 9,500 square feet of rough openings. Window detailing is such a pain and there are so many opportunities to mess up. Barrithane is simple. My guys just put it on and move to the next opening. It’s a good rubber. Rain doesn’t disturb it. It’s a great product.”

Other CCW products used on the project include: CCW MiraDRI 860 self-adhering waterproofing membrane; 190 FR-A, a fire-resistant, premium SBS (Styrene-Butadiene-Styrene) torch-applied protection course or cap sheet; CCW 705 RS, a UV-resistant fabric used as a blackout membrane behind open-joint rainscreen cladding; and MiraPLY, a self-adhering dual-technology blindside waterproofing membrane.

“CCW was specified for everything,” said Ward. “That makes our job easier. I like having these jobs where we get all of it. On some jobs, we just get the hot or the air barrier. I hate that because we don’t make the connections and that’s where things can go wrong. It’s nice to have one manufacturer and one warranty. This was a neat project. The owner, the architect, everybody involved with it is happy.”

