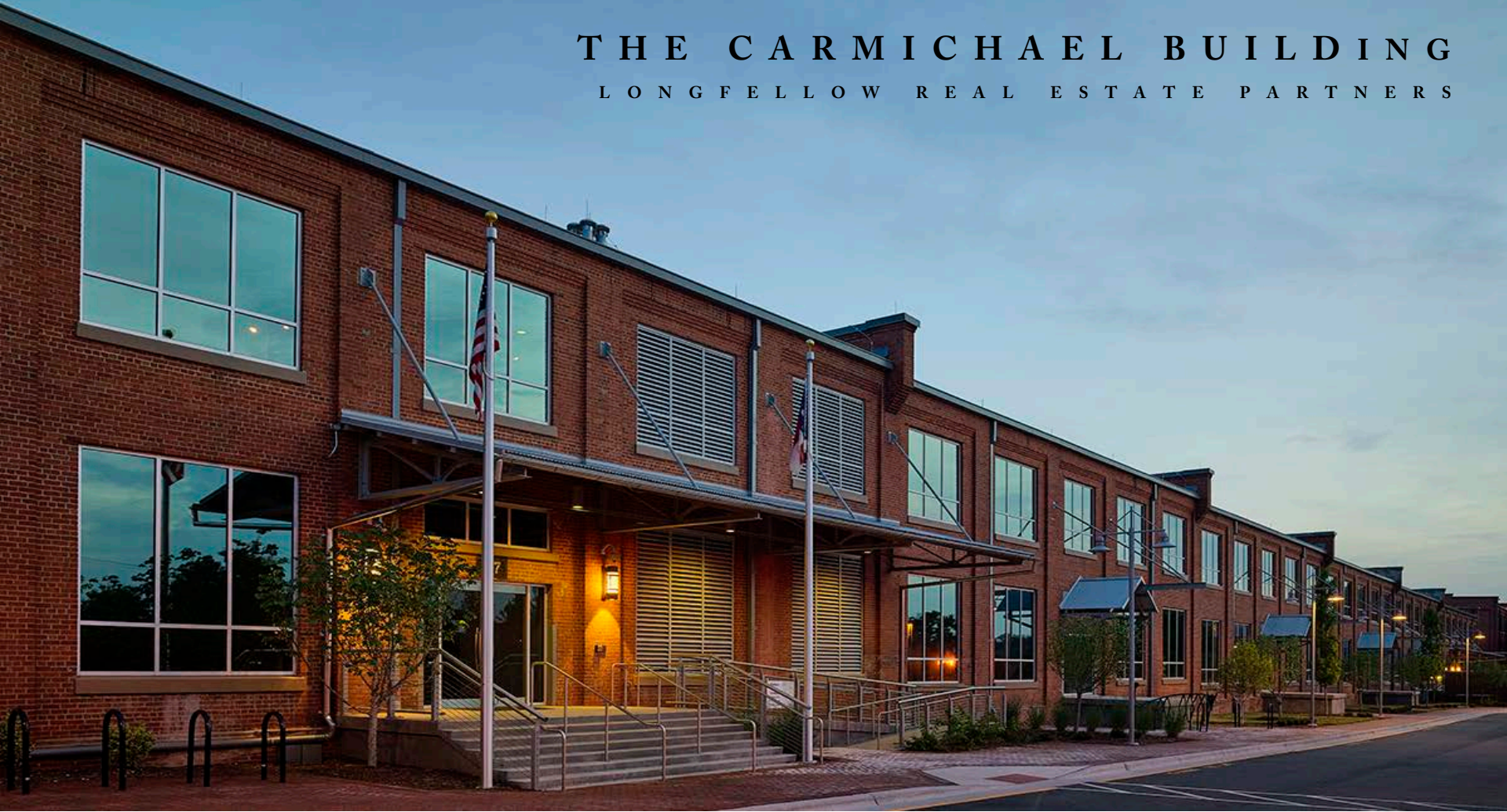


THE CARMICHAEL BUILDING

LONGFELLOW REAL ESTATE PARTNERS



The Carmichael Warehouse was constructed in 1926 and is located within the Durham, North Carolina Bright Leaf Historic District, once part of the tobacco empire created by Washington Duke and his sons who established a factory in Durham in 1872. Today, this building is the home to some of the world's leading scientists, discovering medicines for a wide range of international health initiatives.

THE CARMICHAEL BUILDING



Before: Circa 1930 photographs

Formerly known as “The Carmichael Building” and once part of the Liggett and Myers Tobacco Company, the rehabilitation of this property in the Bright Leaf Historic District of downtown Durham continues the transformation of this historic district into a vibrant, integrated research and innovation community.

“300 North Duke Street” was designed to support the Duke University Medical Center’s expanding research departments, attracting future technology spin-offs and other companies interested in collaborative research activities to the district.

This 115,000 square foot complex, once a warehouse for the storage and drying of tobacco, today houses the Stedman Nutrition and Metabolism Center, Center for Human Disease Modeling, Center for Human Genetics, the Kraus Group and future space for endocrinology studies.

300

N. DUKE
STREET



After - 2016

Project Description and Introduction



The Carmichael Building is a two-storied brick masonry bearing wall and steel frame building with wood floors and a crawspace, 118 ft. by 508 ft., divided into six bays designated 47 to 52 by transverse interior brick masonry walls spaced 83'-3" apart. Today, this historic structure houses renowned scientific faculty from Duke University seeking medical discoveries to improve the health of people world-wide. This building renewal retained and exposed the massive masonry walls, wood framed ceilings and floors, and introduced brilliantly lit atriums with signature LED suspended lights, showcasing the former industrial form. The faithful restoration of the façade to its original built condition has enlivened the neighborhood.

The Carmichael Building
300 North Duke Street

Historic Retail Center

The Chesterfield Building

Historic Residential Buildings

Location: Durham, North Carolina
Name: The Carmichael Building

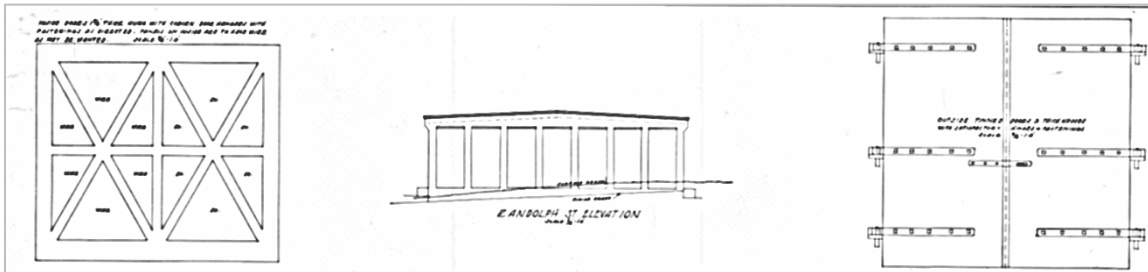
Photos: Tom Holdsworth

The Brightleaf Historic District





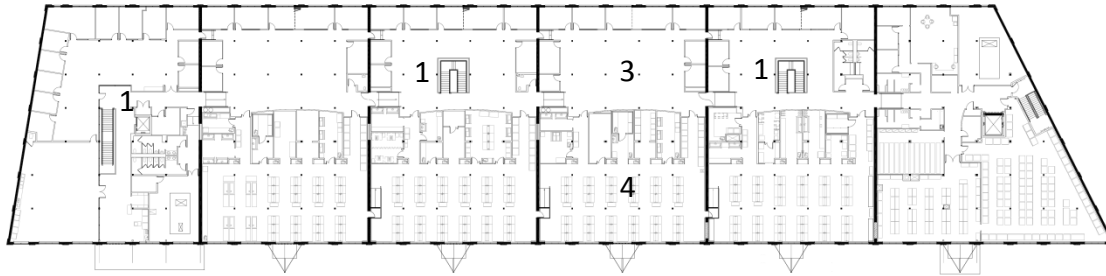
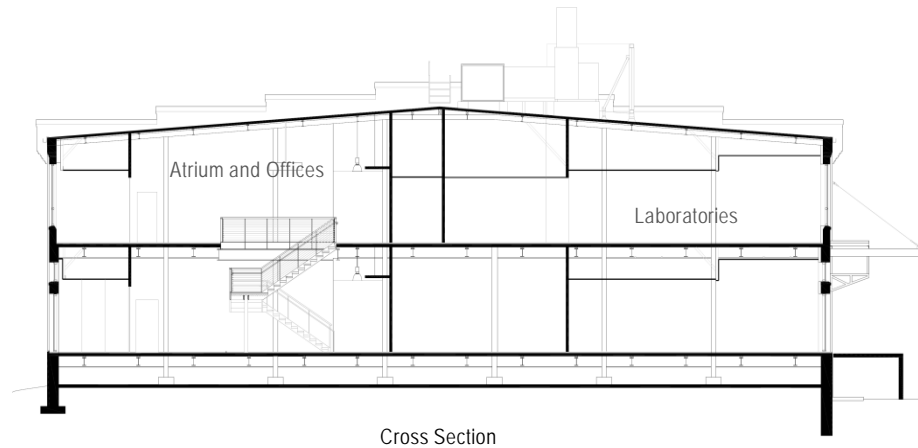
The two-story warehouse is six units long and is fireproof brick construction with steel framing and wood floors. Units are comprised of multiple bays on both the east and west elevations; on the west elevation end bays are smaller in size due to the building's slightly trapezoidal footprint. Each unit is delineated at the roof with a stepped parapet running east-west. Stepped parapets also ornament the north and south elevations.



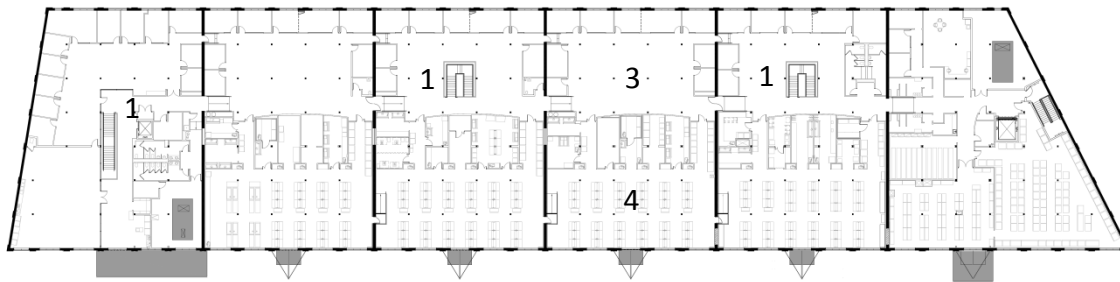
DUKE UNIVERSITY CARMICHAEL BUILDING, DURHAM, NORTH CAROLINA

PROPOSED EAST ELEVATION

Circa 1930 photographs
Courtesy of Open Durham)



Second Floor Plan



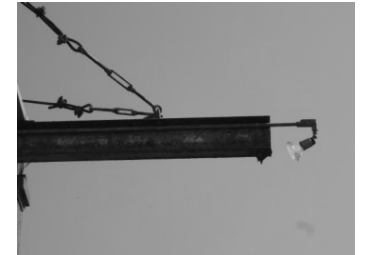
2

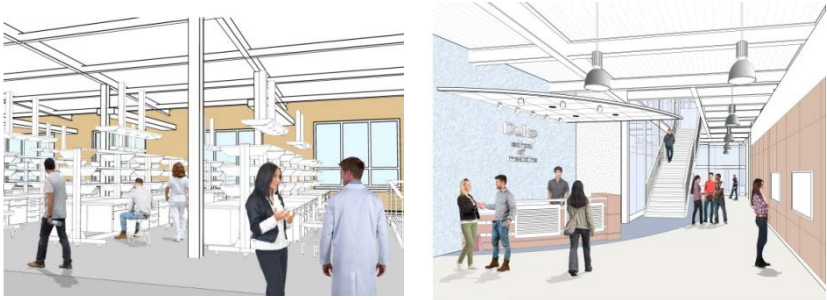
Ground Floor Plan

This massively long building with monumental fire walls and a 16 foot by 16 foot structural bay size led the design team to celebrate the structure with a daring main street connector that would define the spine of the building and accentuate the former industrial use..

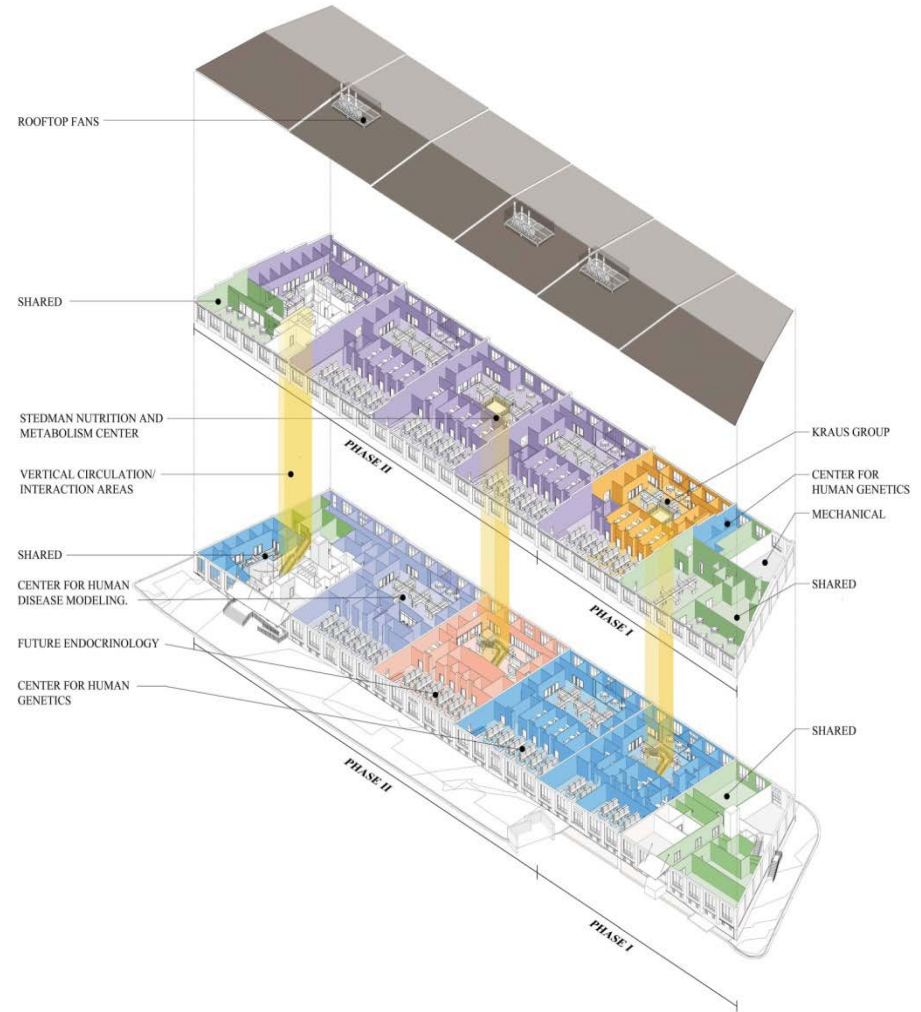
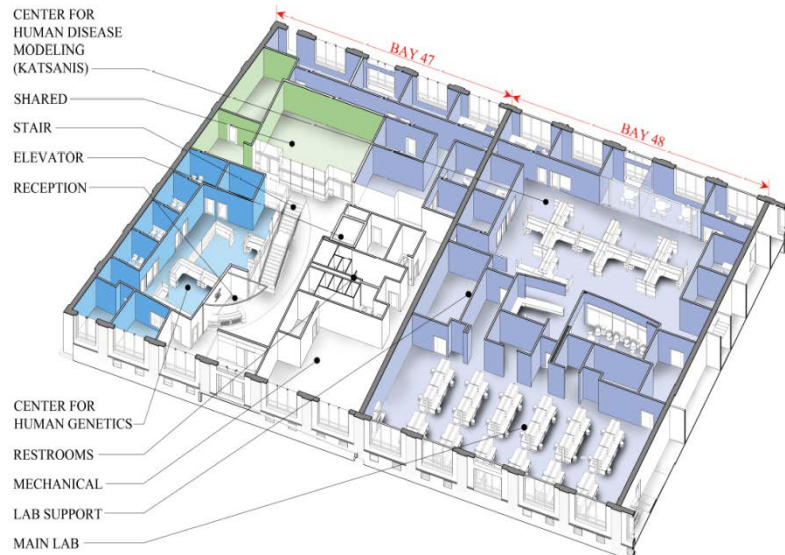
Legend:

- 1 Atrium
- 2 Entrance
- 3 Office
- 4 Laboratories
- 5 Service / Loading





With the building entrance and primary gathering areas located at one end of the building, the scientists are encouraged (and required) to move throughout the building each day and engage with their colleagues. Three major interior stair atriums create ease of movement vertically, and the spine along each level provide opportunities to place science on display.





New entrance canopy and stairs with the signature Carmichael louvers, loading platforms and rigging, all restored to invoke the former warehouse district for one of the world's three major tobacco companies.



Entrance Lobby



Main Street Intersections with High Bay Lighting



Atrium Stair



Original Wood Flooring at Gathering Area



Interior Space at 2nd Floor



Gathering Area



After

Before



Massively brick walls framed each bay of the building.

The design team aligned a straight corridor, Main Street, down the center spine of the building, highlighting the massive walls, wood and steel framed floors and created dynamic opportunities for interaction, research, study, and collaboration along the path. Vertical access to the upper floor is provided in every other bay.



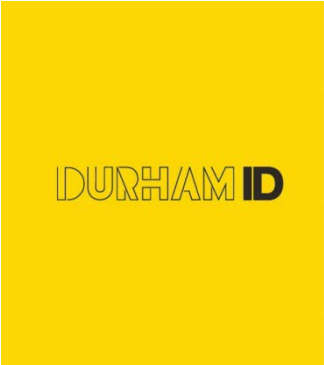
After

Before



The 16 x 16 foot steel framed building required creative planning to integrate the program and

The revitalized facility and its gathering areas have become the hub of activity for the building tenants and visitors to the area. The building showcases the rich history of the Bright Leaf Historic District and displays the new technology rich interior environment through both old and new exposed framing systems and utilities. Sustainable design is visible throughout the interiors.



Inaugural Carmichael Building



The success of the Carmichael Building has spawned the creation of the Durham Invention District, a major regional initiative with local universities and municipalities to focus new high technology companies within this Bright Leaf Historic District.