

# University of Virginia's College at Wise - New Library

Wise, VA

## General Information

**Full Height:** 119'  
**Number of Stories:** 6  
**Size:** 68,000 GSF  
**Cost:** \$43 Million  
**Date of Construction:** Aug 2012 – Aug 2015  
**Project Delivery Method:** Design-Bid-Build

## Project Team

**Owner:** UVA at Wise  
**Architect:** Cannon Design  
**Structural:** Cannon Design  
**MEP:** Thompson and Litton  
**Lighting:** Lafleur Associates  
**Construction:** Quesenberrys, Inc.  
**Civil:** Thompson and Litton  
**Landscape:** Hill Studio  
**AV/Acoustics:** Shen Milsom Wilke  
**Foodservice:** Culinary Advisors

*Project Sponsor:* 

## Architecture

The goal of the façade design was to give the impression that the older existing buildings' architecture was based on the New Library's. This was achieved through use of materials such as brick and stone commonly found on the surrounding buildings.

## Construction

Limited site area due to existing campus buildings impacted the construction by requiring offset staging and storage areas, along with the construction of a 500 foot service road.



## Structural Systems

**Foundation:** Slab on grade with column piers, footings and foundation walls

**Framing:** Steel frame, composite wide flange steel members, and normal weight composite deck flooring

**Lateral:** 9 Reinforced concrete shear walls

**Soil Retention:** Temporary Leave-In-Place Soil Retention System, which includes the use of soil nails and shotcrete covering.

## Mechanical

VAV system with a roof mounted chilled-water AHU and 145.9 ton chiller providing 41,300 CFM, and an economizer and an a heat recovery unit

## Electrical/Lighting

Five 480/277 3-phase panel boards  
Nine 280/120 3-phase panel boards

Wall switch and low voltage occupancy sensors used for lighting control