

CORIUM BRICK  
**CASE STUDY**

 **Telling**  
ENGINEERED RAINSCREEN FACADES



 **CORIUM**



# CORIUM BRICK CASE STUDY

This award winning, contemporary school includes several unique exterior features.

Wrapping the floating bars in heavy, traditional brickwork was nearly impossible but not for Corium Brick.



## THE HEIGHTS (WILSON SECONDARY SCHOOL)

ARLINGTON, VIRGINIA

The new Wilson Secondary School expands and combines two secondary programs to a new building on Wilson Blvd, Arlington VA. Designed by BIG Architects and Leo A Daly, "the design seeks to maintain the feeling of a 1-story school building while still having a vertical organization and the efficiencies afforded by it." The building is designed as a series of bars rotated about a single hinge point. The structures rotation naturally creates large soffits and usable green space atop each bar. Wrapping these floating bars in heavy brickwork would typically prove challenging, but not for Corium Brick.



- ◆ ARCHITECT: **BIG & LEO O DALY**
- ◆ CONTRACTOR: **GILBANE CO.**
- ◆ COMPLETION: **2019**
- ◆ SYSTEMS: **CORIUM BRICK**

# Strength. Speed. Simplicity!

Combining the beauty and simplicity of terracotta with the strength and durability of brick you'll find Corium Brick, a fully engineered rear ventilated brick rainscreen system designed for mid to high rise buildings, new construction and recladding.



## Flexibility

Corium Brick brings exciting new design flexibility to brick veneers including bond patterns, trim features, color and texture combinations.

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## Challenge

Accommodating building movement was the greatest challenge. Long, narrow bands of brick over glass curtain wall and large triangular soffits required unique solutions.

The design vision was a brick building without typical expansion joints, to hide these we implemented unique zipper-joints creating a visually seamless wall.



*"Wilson Secondary School (now known as The Heights) included over 33,000 square feet of CORIUM glazed brick rainscreen system. Our mechanics found the tray and brick components to be very consistent in manufacture, resulting in consistent in installation progress, quality and appearance. We discovered little in the way of damaged material in shipping and unloading, which reflects a very good job in packaging material for travel by sea and trucking. We also collaborated well with the CORIUM engineering team to address some of the unique challenges of the project geometry, which included development of the support system for a 12-inch face of wall to substrate setback, finish details for skewed intersections between soffits and walls, and concealed deflection joints.*

*This project received the Washington Building Congress 2020 Craftsmanship Award in the rainscreen category. Calvert Masonry is proud to include this project in our portfolio, and appreciates the efforts of all its partners on the project."*

*Bruce Spengler, President Calvert Masonry*



518.886.8745  
866.271.0488



tellingarchitectural.com



info@tellingarchitectural.com



125 High Rock Ave., Saratoga Springs, NY 12866

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