STUDIOTWENTYSEVENARCHITECTURE

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HOUSE OF UNCUT STICKS

This is a private residence that was constructed primarily of "uncut sticks" which utilized the standard nominal length of vertical framing members, i.e. stud wall lumber, throughout the home. What's unique about this method is that all walls are constructed with uncut studs; with the exception of cuts necessary for window and door openings. The dimensions of the framing members as found in the lumber yard determined the height, width and depth of this design.

The design approach is derived from the project developer's request to implement cost savings methodologies that would allow custom, modern architecture that competes in price with the neo-colonial builder grade homes in the surrounding suburban neighborhood. To do this, he needed to build at the same price point as the comparable builder grade homes.

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Front entrance stair

Other interesting aspects to this project include:

* 5,020 SF
* flat roof
* white TPO membrane
* hidden gutters in walls
* hydraulic elevator ready

STATS:
Client: Private
GC: Tom White Construction

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Rear view

Front entrance

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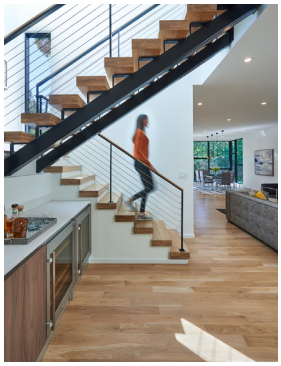

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Residential

The Studio27 Architecture newsletter is a digital publication featuring key projects, architects, news and ideas.

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ARCHITECT SPOTLIGHT - Claire Barrows, AIA

Another benefit to this approach saved a significant amount of time in constructing the home. By not requiring the carpenters to trim all the framing members to meet predetermined dimensions, they were able to complete their work by carrying in two arms all of the leftover lumber remaining on the house.

By eliminating construction waste and reducing labor, the project was able to achieve significant savings.

Claire was the designer and project manager for this unique project. She is a licensed architect and attended University of Virginia and received her Bachelor of Science in Architecture. She held leadership positions for the Charlottesville Habitat for Humanity Chapter and the UVA Global Architecture Brigades - a grass roots, hands-on construction initiative in rural Honduras to help bolster much needed health and education instructure.

UNDER CONSTRUCTION

Two Rivers Public Charter School

We are supporting the growth of this school by designing a new expansion for 6 through 8 grades. Two Rivers at Young is a Tier-One, high-performing public charter school in NE Washington, DC.

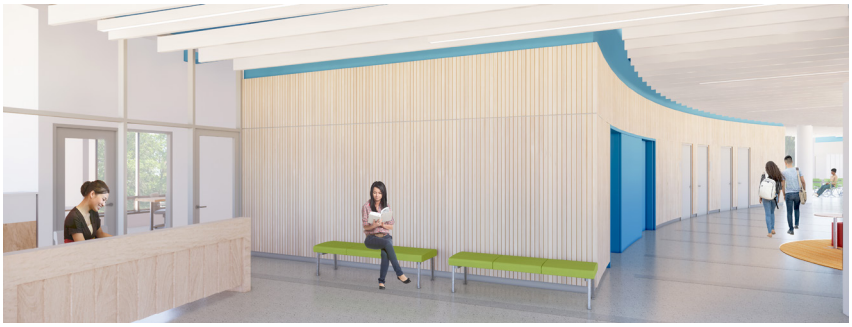
Construction Budget: $11M | Build Partner: MCN Build

Unique entry stair under construction

ON THE BOARDS

Arlington Public Schools Educational Center Reuse

APS is converting the North Quincy Street Education Center in Arlington and Studio27 Architecture is designing the new space on all floors. As part of their FY2019-28 CIP, the renovation of this center will both increase the capacity of Washington-Liberty High School and enable adaptations to future instructional and grade level changes.



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