

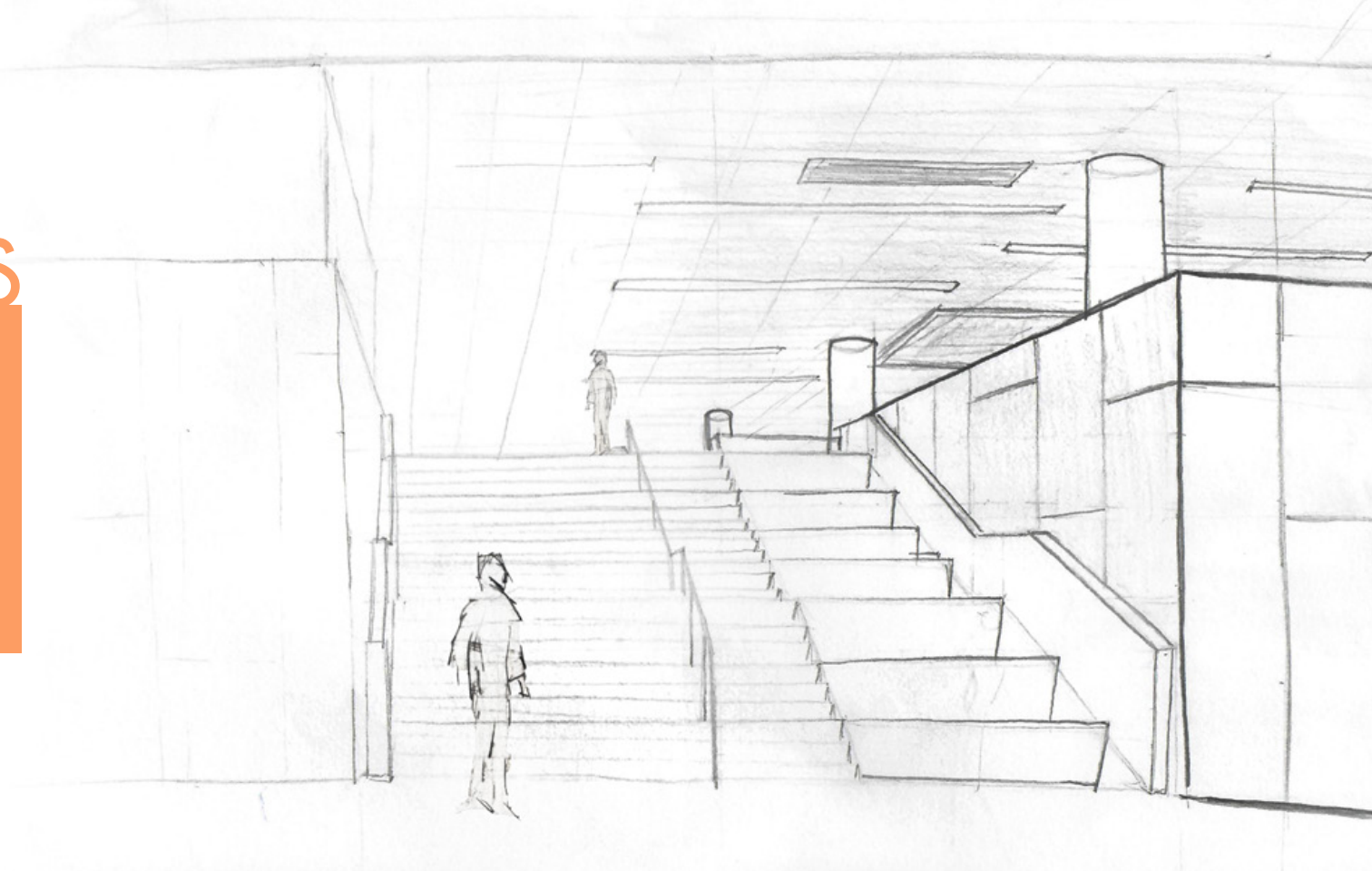
ARCHITECTURE + INTERIORS

Clint Ronsick | Portfolio 2020

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Student Athletic Center

Dormitory + Admin Offices+Recreation

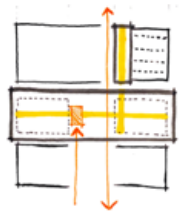
In this comprehensive studio (taught by professor Jianxin Hu) the program for the project was a student athletic center on NCSU's Northern Campus. The massing of my building was conceived of as a "residential brick" for the dormitories stacked on top of the administrative, dining & gymnasium spaces.

The lower floor spaces are embedded in the earth on the north facade and open to the Cate's Avenue on the south facade with an open air breezeway cutting through the middle. The dormitory "brick" stacked on top mirrors said breezeway with a double height lounge space in its midsection along with balconies and unrestricted views of the Athletic Fields to the south and the courtyard to the north.

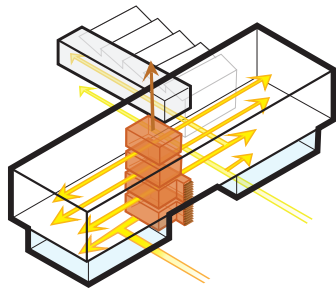


Parti Tumbnail

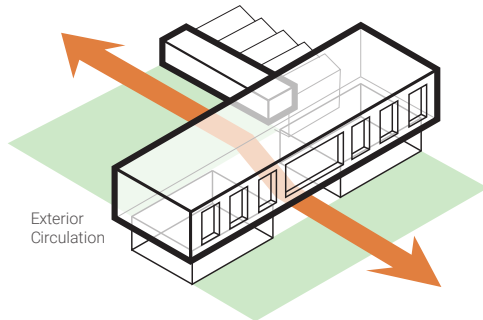
"Vertical and
Horizontal
Circulation"



Interior
Circulation



Exterior
Circulation



A - North Elevation/Gym Section



B - South Elevation

C - (See pgs 5,6 for Site Section)





Rear Courtyard



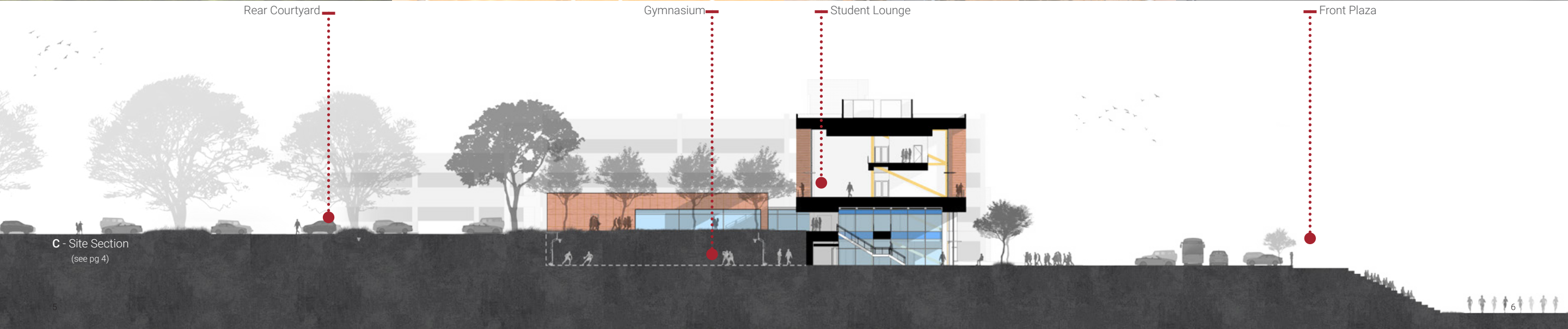
Gymnasium



Student Lounge



Front Plaza



C - Site Section
(see pg 4)

Vertical Circulation Main Circulation

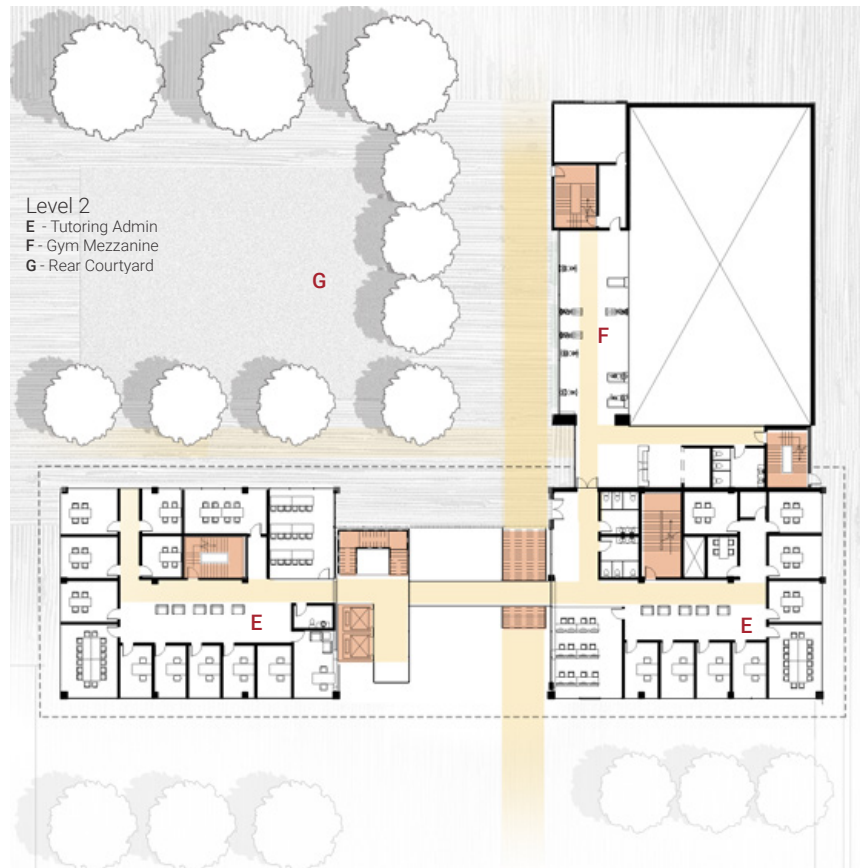
Level 1

- A - Cafeteria
- B - Athletic Wellness Offices
- C - Gymnasium
- D - Front Plaza



Level 2

- E - Tutoring Admin
- F - Gym Mezzanine
- G - Rear Courtyard



Level 4

- H - Dorms
- I - Student Lounge



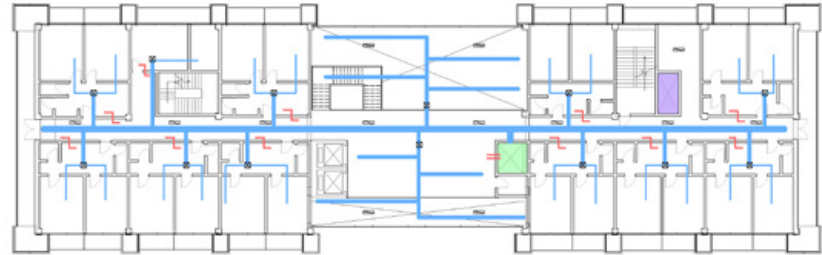
Level 3

- J - Dorms
- K - Student Lounge



4th Floor Systems Diagram

- ⊠ VAV Box
- ▮ Plenum Return Register
- Supply Ductwork
- Plenum Return Wall Vent
- Plenum Return Shaft Vent

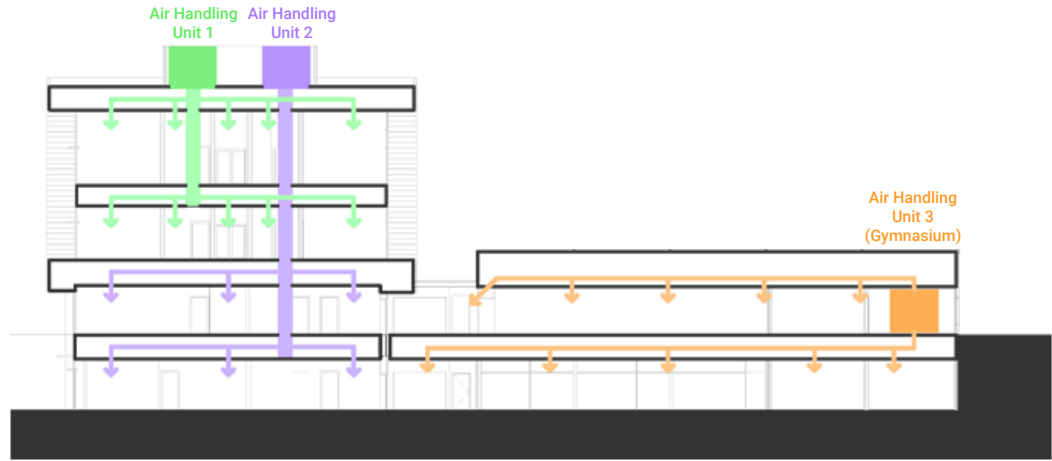


AHU & Shaft Section Diagram

Air-Cooled Chilled Water System for Gymnasium

Water-Cooled Chilled Water System for Main Building

Chiller Located in 1st Level Mechanical Room

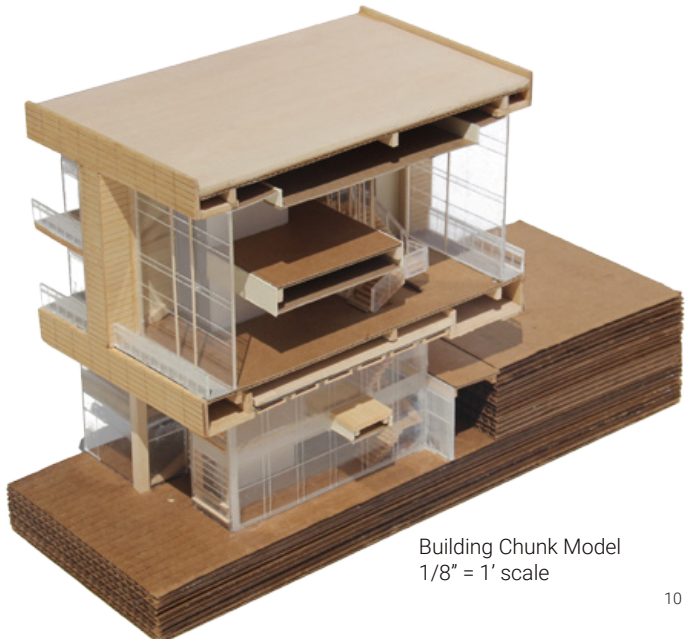
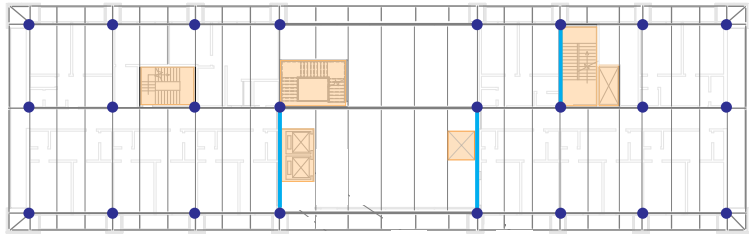


Structural Diagram

- Columns
- Shaft
- Brace Bay

Moment Connections in East/West Direction Instead of Brace Bays

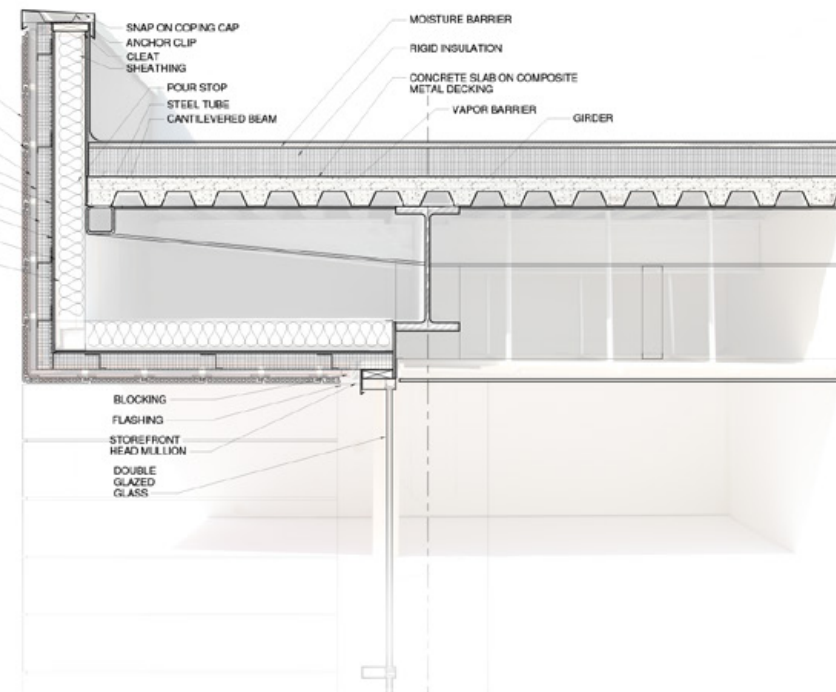
Short Cantilever beams for Balcony overhang

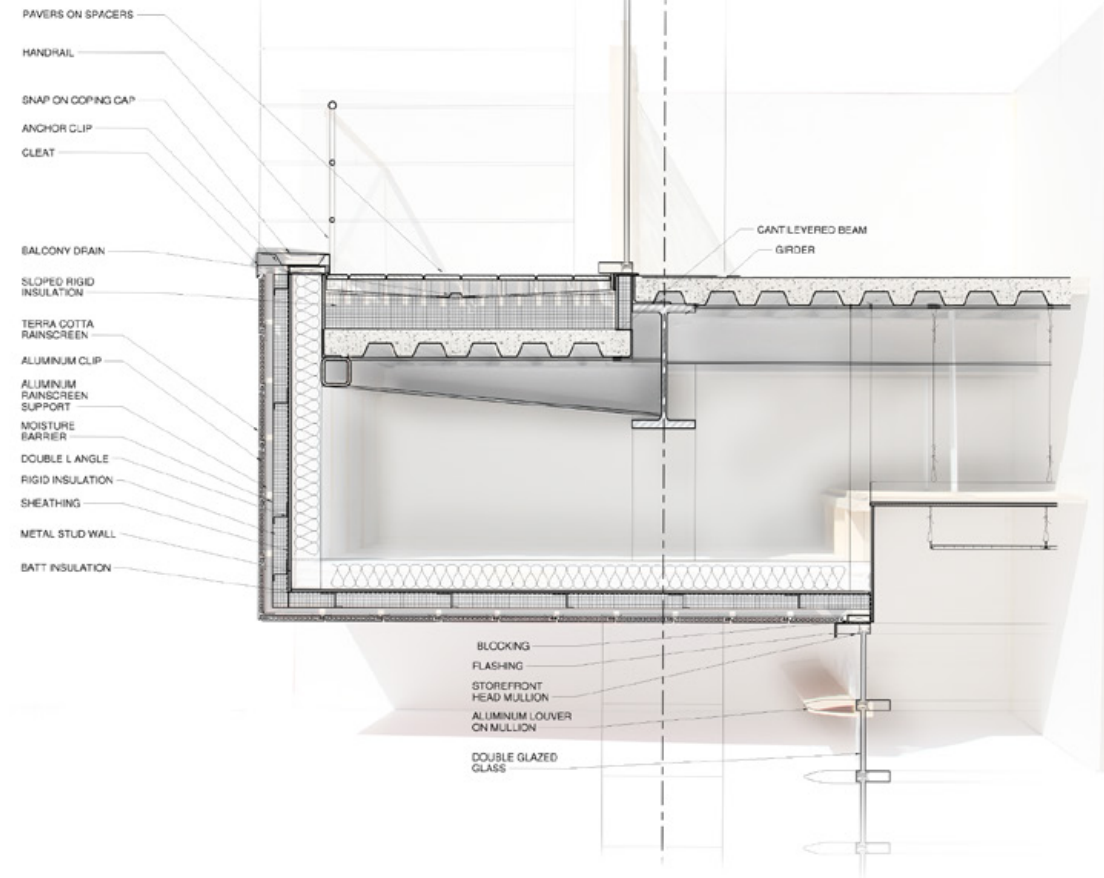


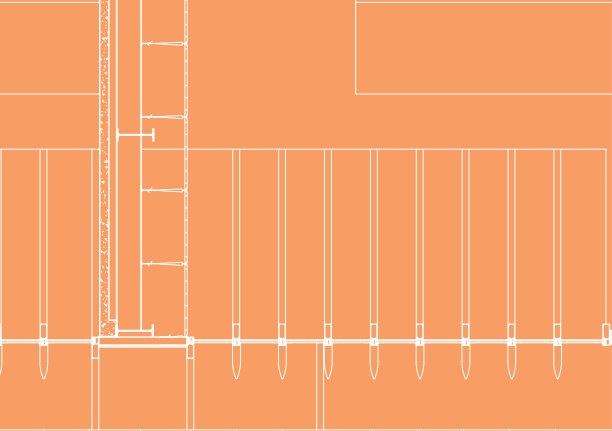
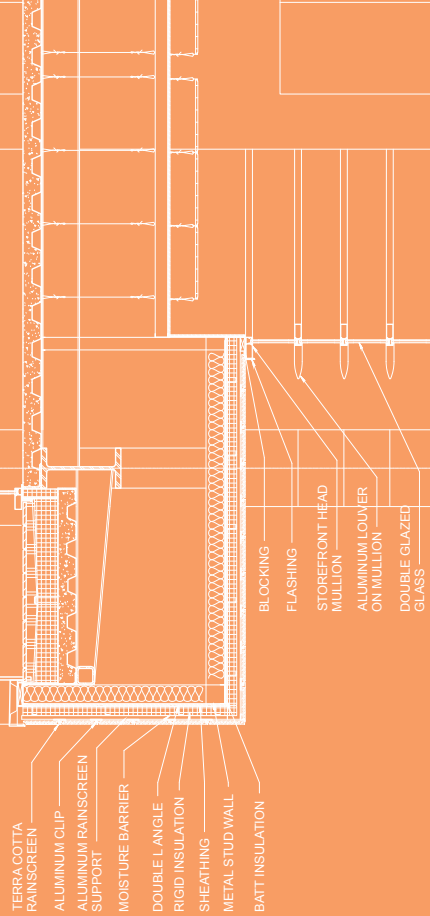
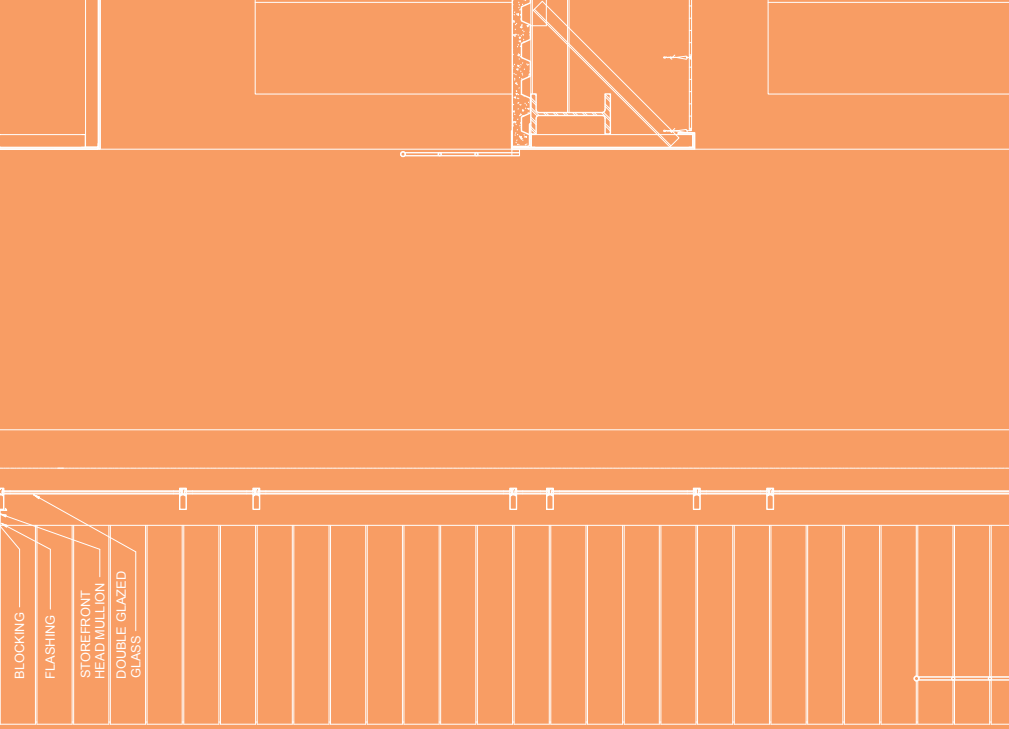
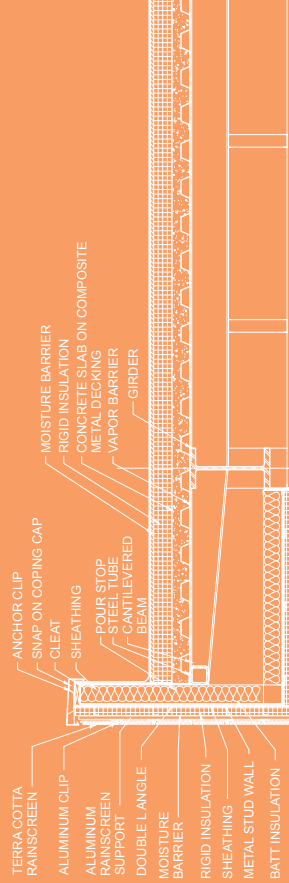
Building Chunk Model
1/8" = 1' scale



TERRA COTTA
RAINSCREEN
ALUMINUM CLIP
ALUMINUM
RAINSCREEN
SUPPORT
MOISTURE
BARRIER
DOUBLE L ANGLE
RIGID INSULATION
SHEATHING
METAL STUD WALL
BATT INSULATION







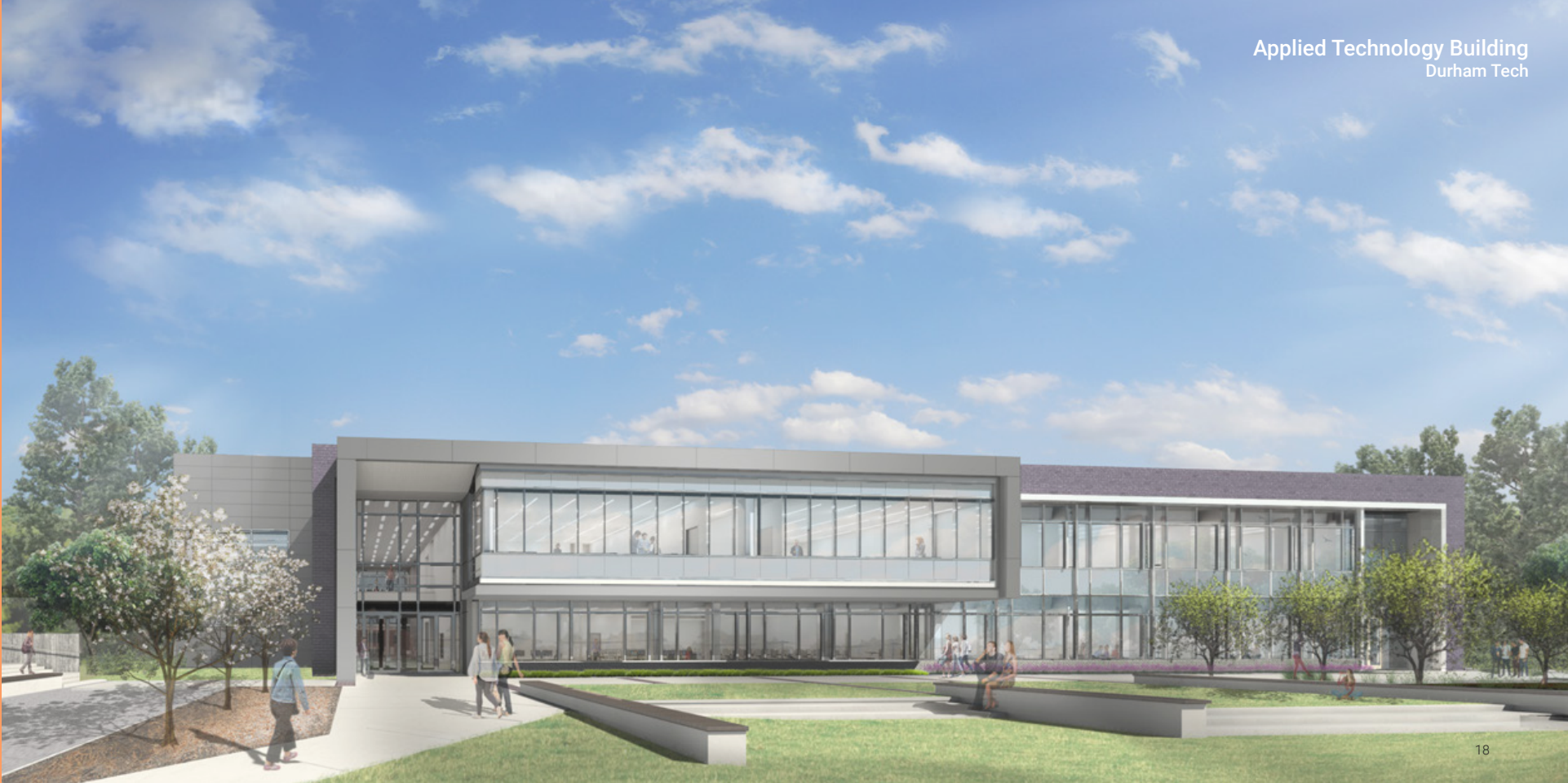
Professional Work

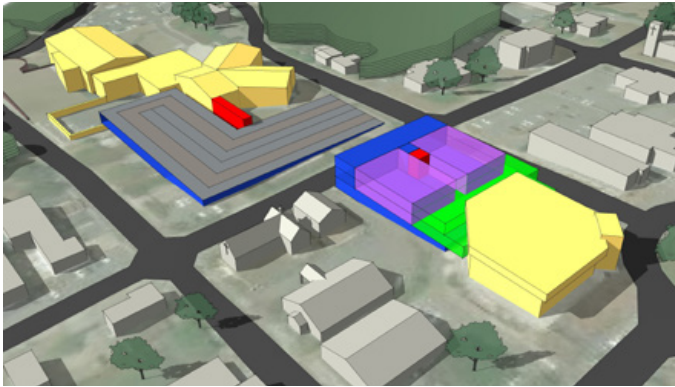
O'Brien Atkins, Summer 2018 Schematic Design, Design Development

The following pages are examples of work I did during my internship at O'Brien Atkins in Durham NC the summer of 2018.

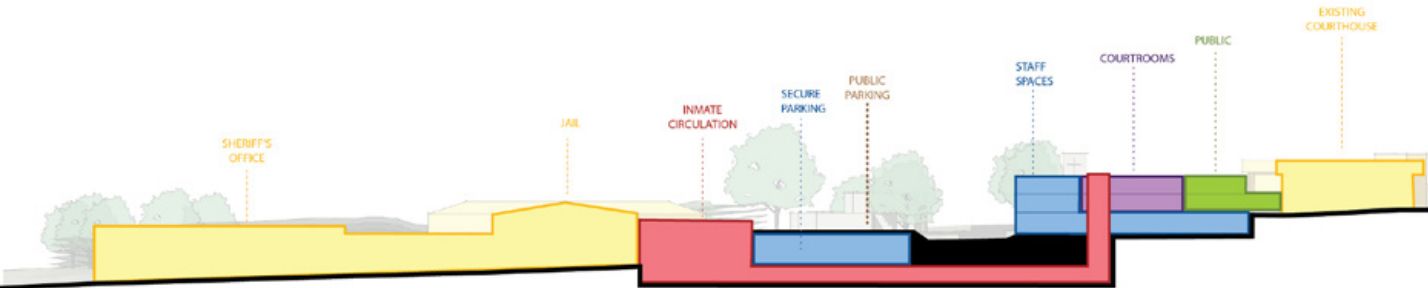
I spent the majority of my time working with O'Brien Atkins's Director of Architecture, Joshua Brady, on design development for the new Applied Technology Building on the Durham Techs campus as well as supplying the Renderings and other graphics for said building.

The remainder of my time there was dedicated to either schematic design or design development for a number of large and small scale projects, as well as many of the renderings and other presentation materials for said projects around the office such as my work on the VF headquarters renderings with Coury Stolarik from the interior design team.





Courthouse Building Schematic Massing
Carthage, NC



VF Corporation Rendering
Welcome Lobby



VF Corporation Rendering
Lounge Adjacent to Printer Warehouse



Lincoln Harris Schematic Rendering



RDU Terminal Renovation Rendering