

FOOTBALL OPERATIONS CENTER

University of Virginia Athletics
Charlottesville, Virginia

ACTIVE YEARS	2021 - 2024
PROJECT COMPLETE	In Progress (May 2024)
FIRM	ZGF Architects
PROGRAM	Higher Education, Sports
PHASES	SD + DD + CD + CA



The Football Operations Center at the University of Virginia will be a state-of-the-art, comprehensive, training facility for the student-athletes. The 92,720 square foot facility includes football training and performance areas, locker rooms, sports medicine, hydrotherapy pools, work environments for staff, and meeting rooms.

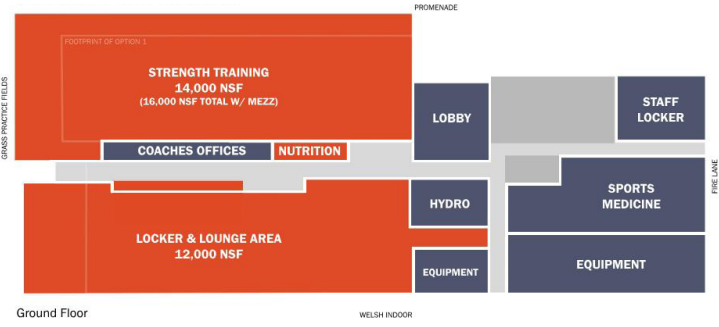
Situated at the heart of the Athletics Precinct, the Football Operations Center is located to maximize the efficiency of access to the new outdoor practice fields and the existing Welsh Indoor Practice Facility, while affording an iconic presence along Massie Road to the North and Emmet Street to the East.

The Football Operations Center represents the second phase of the vision for an Athletics Complex. The first phase was completed in November 2020 and includes two new outdoor practice fields and associated building support spaces. Phase 3 will include the Olympic Sports Center.

The Football Operations Center's aesthetics and exterior expression are influenced by the existing Grounds of the Athletic District while seeking to relate to a pedestrian scale along the public realm and Promenade. Additional concepts of identity, presence, and activeness influenced the design intent of the exterior architectural character. Utilizing a kit of parts located around the precinct, the exterior components evolved to use similar materials in a contemporary detailed manner, while proportionally and contextually relating to the Grounds as a whole.

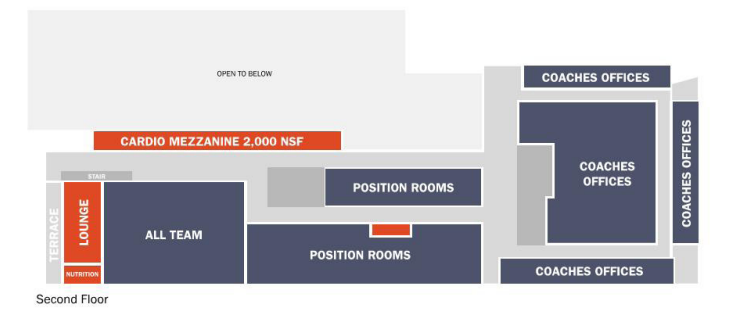
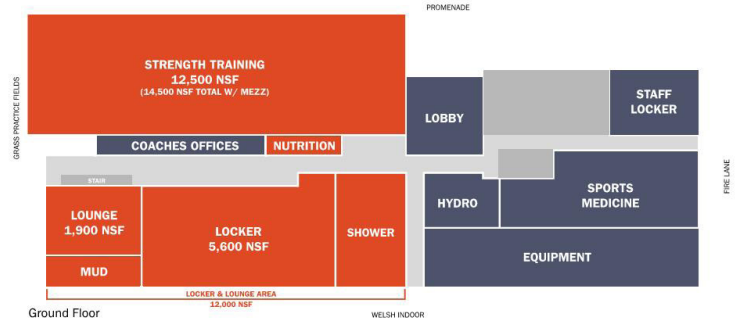


UVA FOOTBALL OPERATIONS CENTER
Space Program - Plan Diagrams
11/1/2021



■ Student Athlete Spaces
■ Coaching Spaces
■ Circulation & Support Spaces

UVA FOOTBALL OPERATIONS CENTER
Space Program - Plan Diagrams
11/18/2021



■ Student Athlete Spaces
■ Coaching Spaces
■ Circulation & Support Spaces



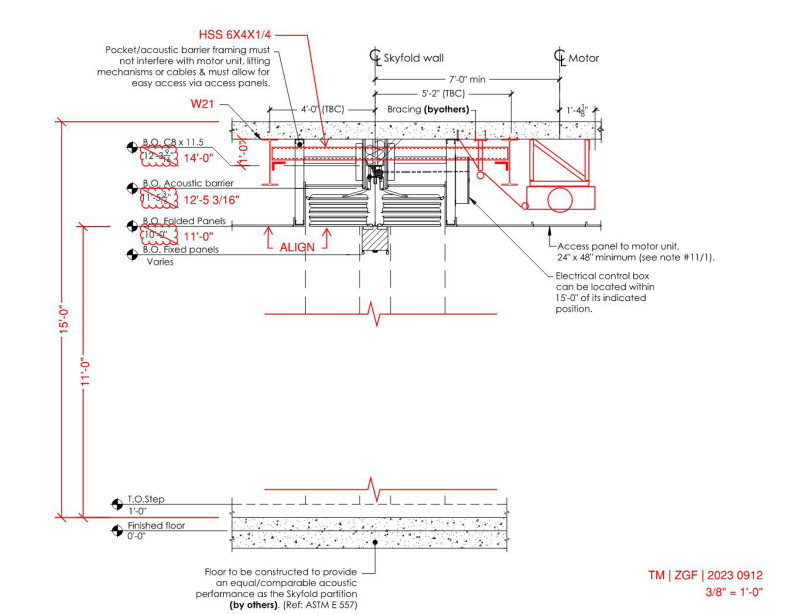
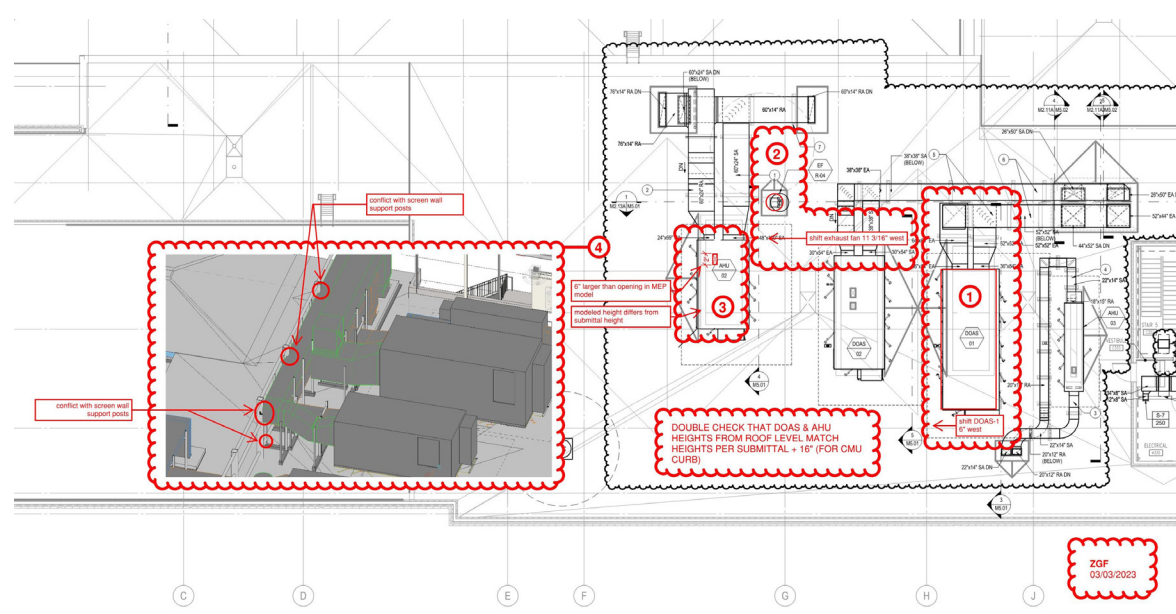
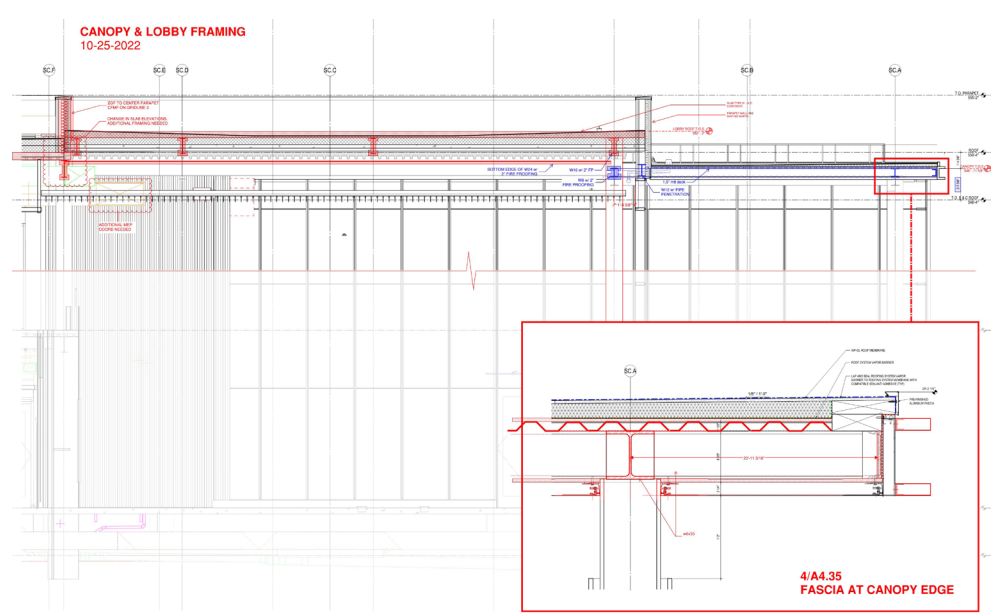
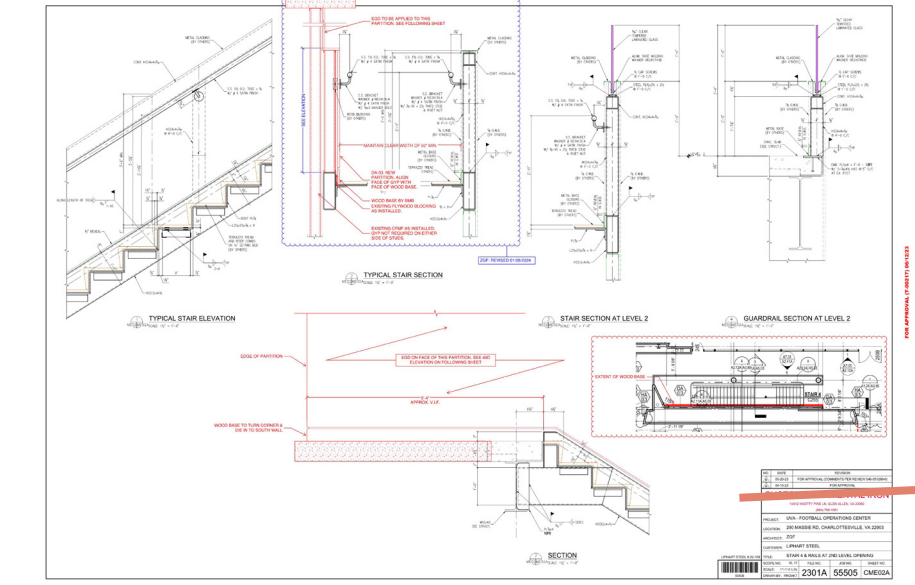
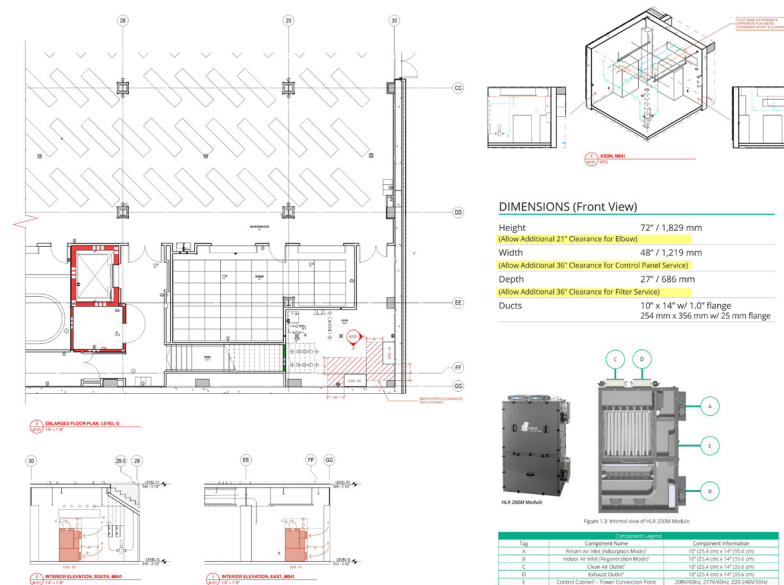
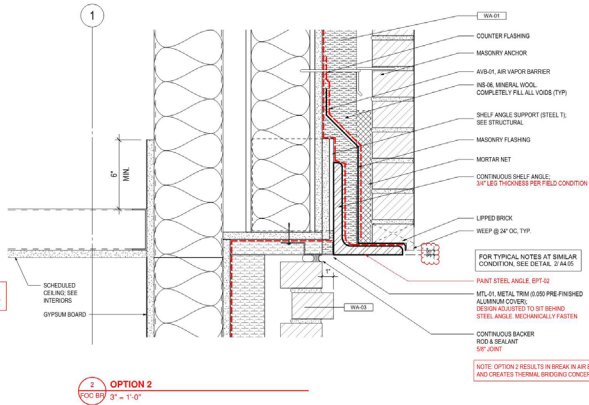
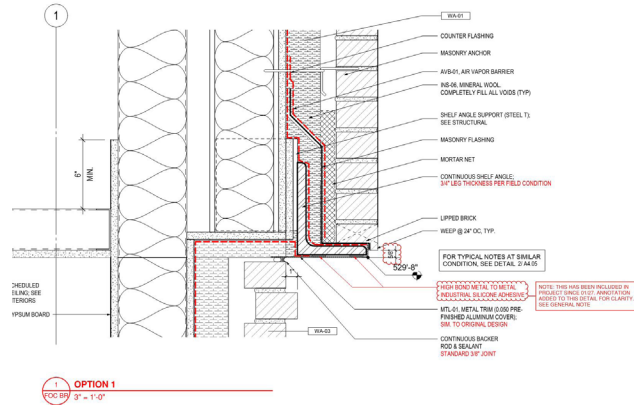
OPTION 1 (PREFERRED)

BRICK TO SIT ON STEEL ANGLE TO CREATE 5/8" HIGH 'REVEAL' BETWEEN B.O. METAL TRIM AND LIPPED BRICK. ADHERE METAL TRIM (PRE-FINISHED, EPT-02) WITH INDUSTRIAL SILICONE ADHESIVE PER CONTRACT DOCUMENTS. MAINTAIN STANDARD 3/8" JOINT AT TOP OF 9'-4" H BRICK INSET.

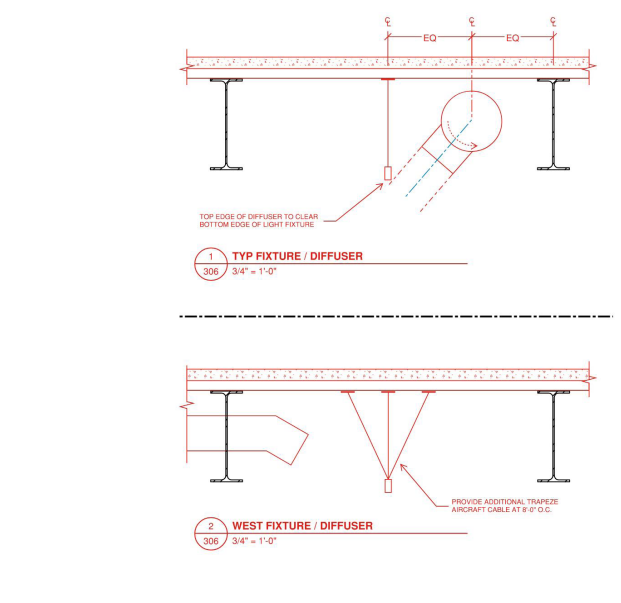
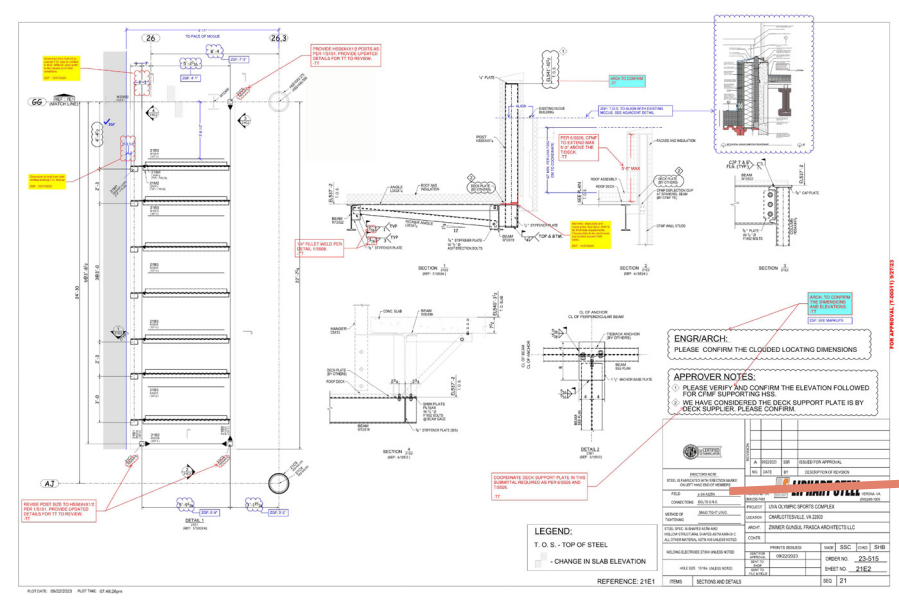
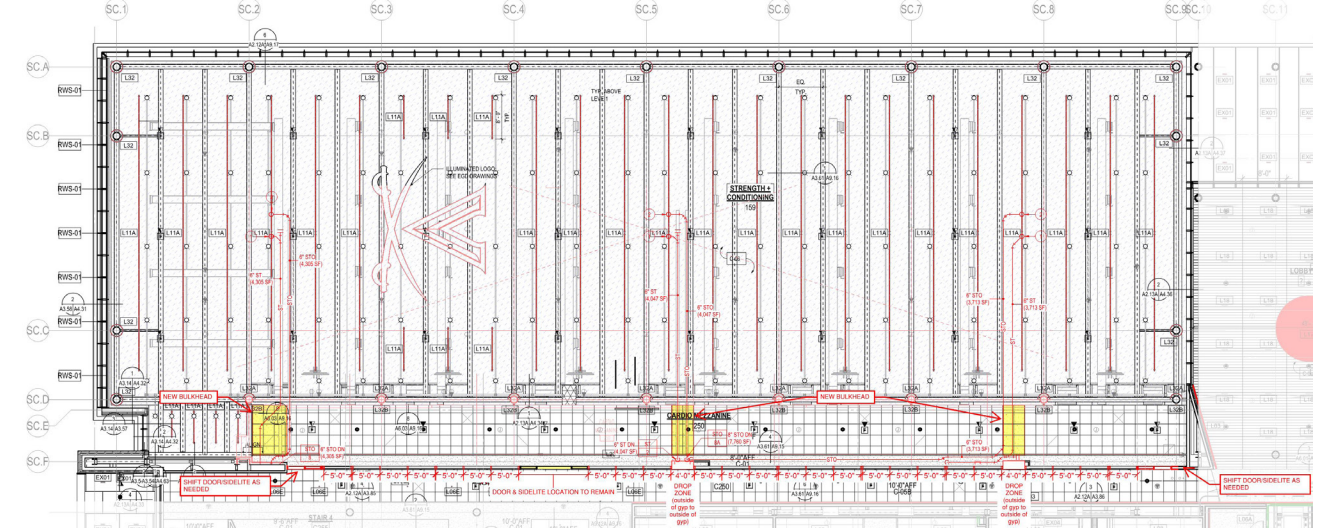
OPTION 2

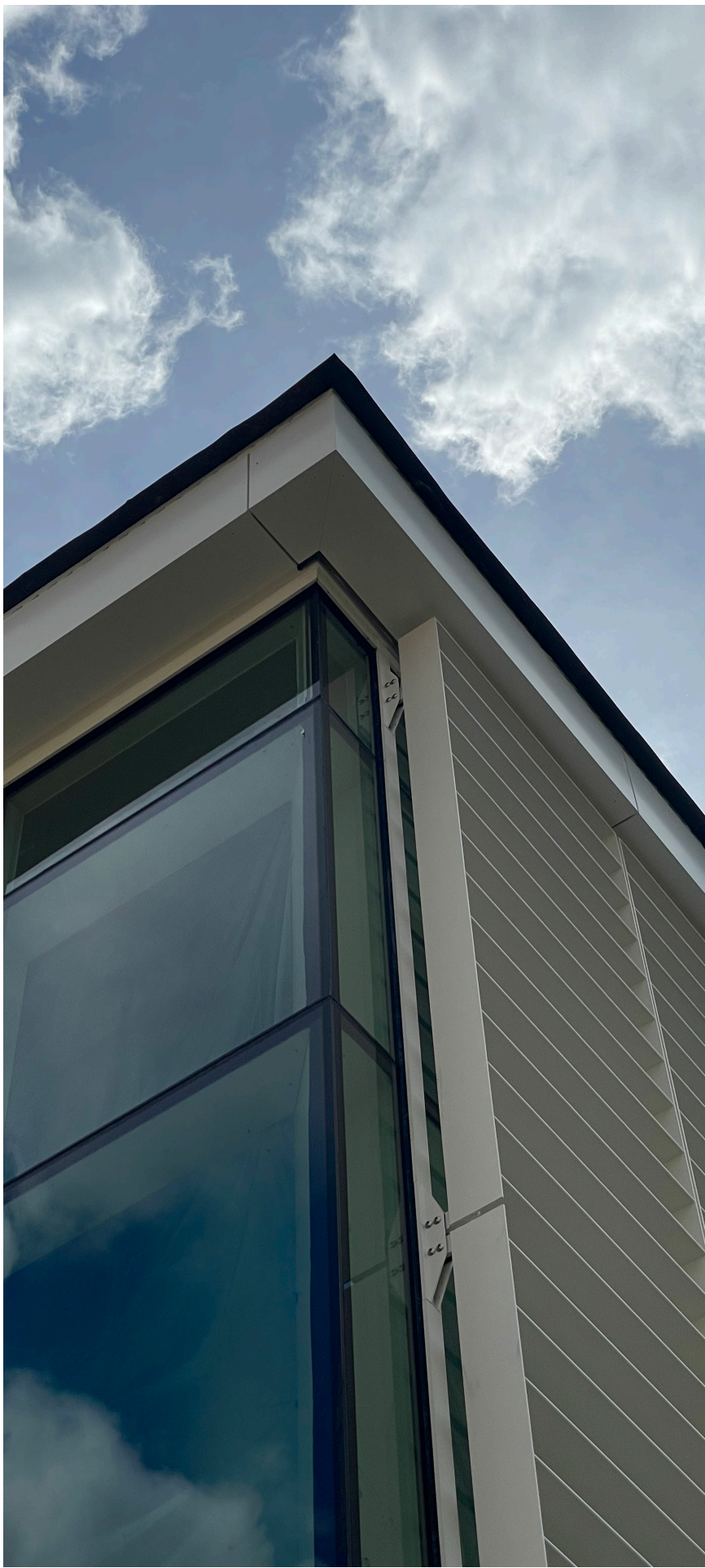
BRICK TO SIT ON STEEL ANGLE TO CREATE 3/8" HIGH 'REVEAL' BETWEEN B.O. STEEL ANGLE AND LIPPED BRICK. REDUCE METAL TRIM TO COVER RIGID INSULATION BEHIND STEEL ANGLE. PAINT UNDERSIDE OF STEEL ANGLE (EPT-02). INCREASE TO 5/8" JOINT AT TOP OF 9'-4" H BRICK INSET.

NOTE: THIS OPTION RESULTS IN BREAK IN AIR BARRIER AND CREATES THERMAL BRIDGING CONCERNS



UVA FOC CARDIO MEZZ STORM LINE COORDINATION
2023 0510 | TM





TVA TOWER RENOVATION

University of Tennessee Administration
Knoxville, Tennessee

ACTIVE YEARS	2020 - 2021
PROJECT COMPLETE	2022
FIRM	BarberMcMurry Architects
PROGRAM	Higher Education, Office
PHASES	SD + DD + CD



Originally built in 1976, the two towers at the north end of Market Square have housed the Tennessee Valley Authority headquarters for over 40 years.

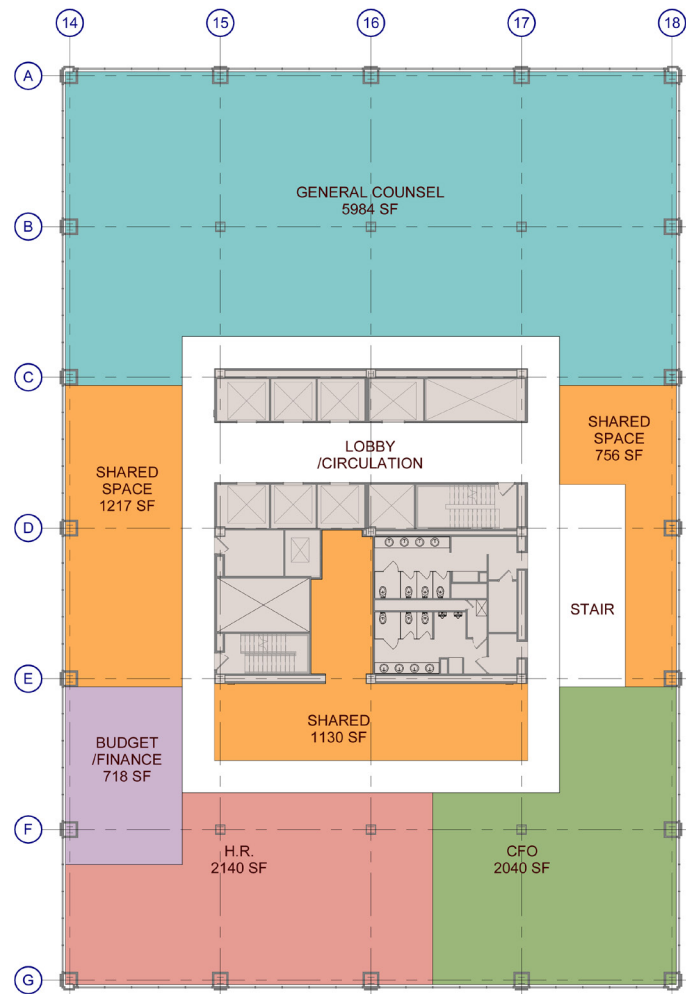
The city leased the East Tower in 2020 for the purpose of housing both Knox County Schools (KCS) and the University of Tennessee (UTSA). BarberMcMurry Architects was chosen to lead the historic renovation for both tenants.

The twelve story office building was divided between the two tenants - floors 2-6 to KCS and floors 7-12 to UTSA, with a common lobby space on the Plaza Level. Federal oversight by TVA meant increased security at all levels of the structure.

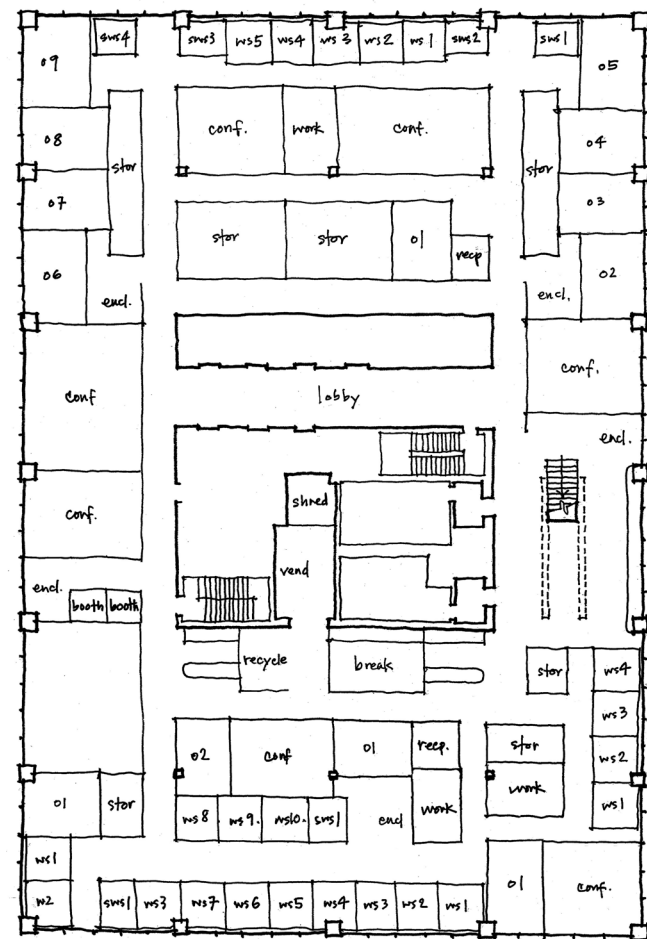
My personal involvement dealt with the UTSA portion of the renovation - from schematic design through construction administration. After receiving the programming study from an independent party, we began with simple adjacency studies and setting design intent.

We aimed to keep the office space as open as possible and move private offices away from windows and towards the core. All private offices, conference rooms, and meeting spaces feature frameless glass to provide increased natural light.

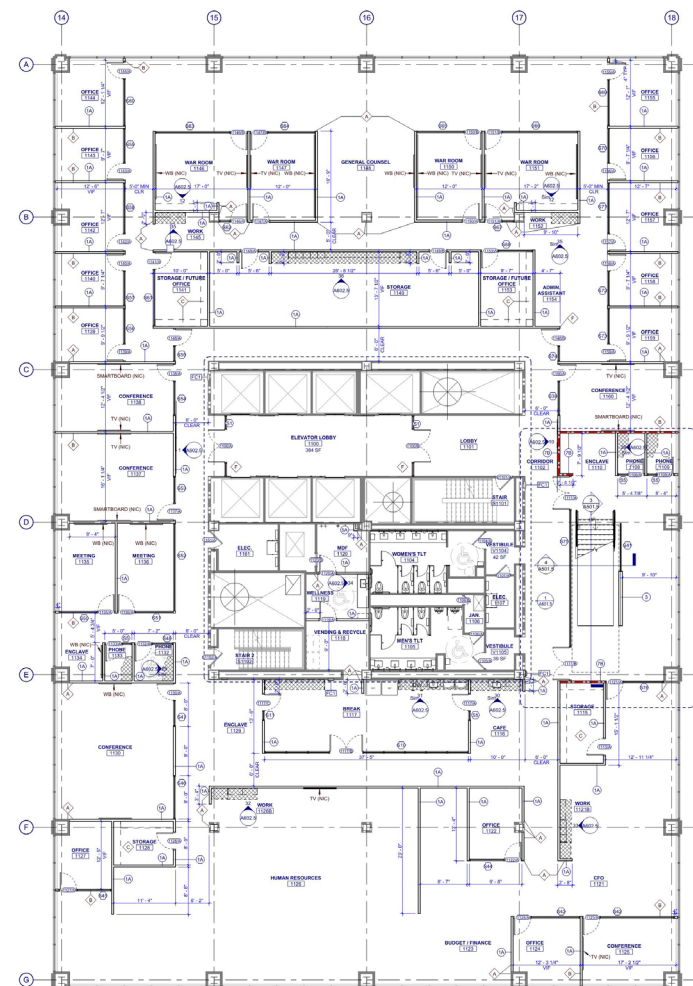
A new communicating stair has been proposed to connect high level administrative officials on the 11th and 12th floors. This encourages the collaborative nature of the university system and reflects the president's open-door policy. I played an instrumental role in the concept, design, and coordination of the addition of the stair.



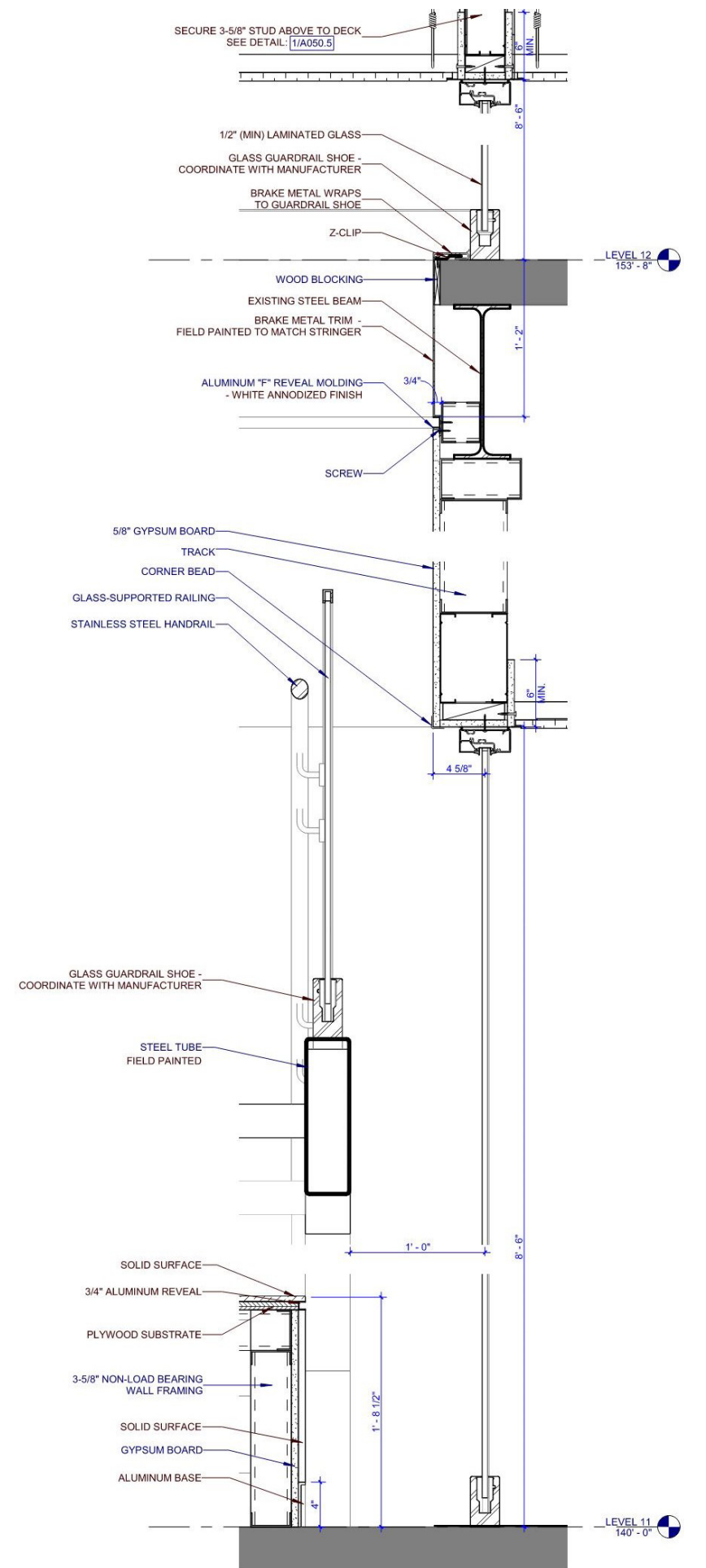
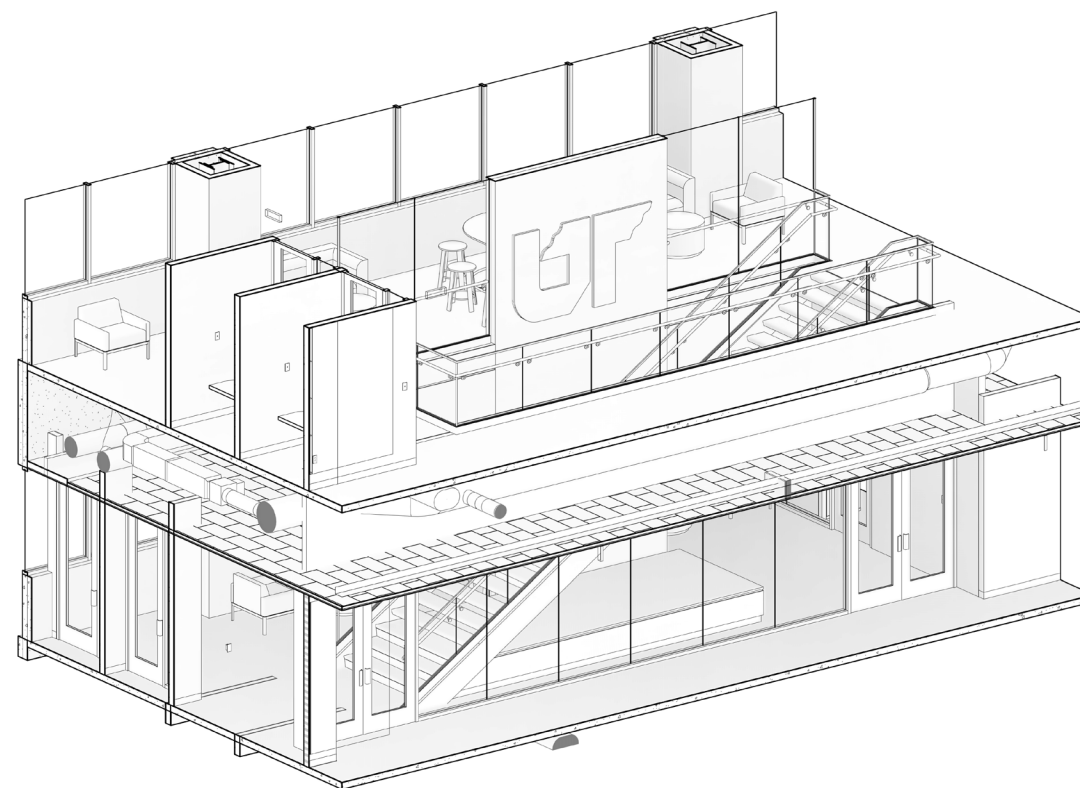
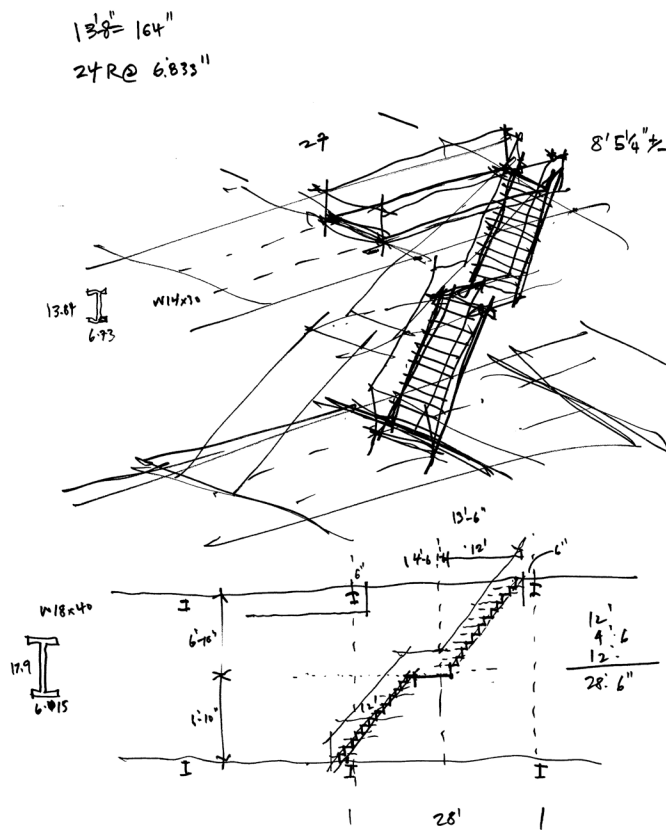
Schematic Design



Design Development



Construction Documents



HARPER AUTO WASH

Harper Auto Square
Alcoa, Tennessee

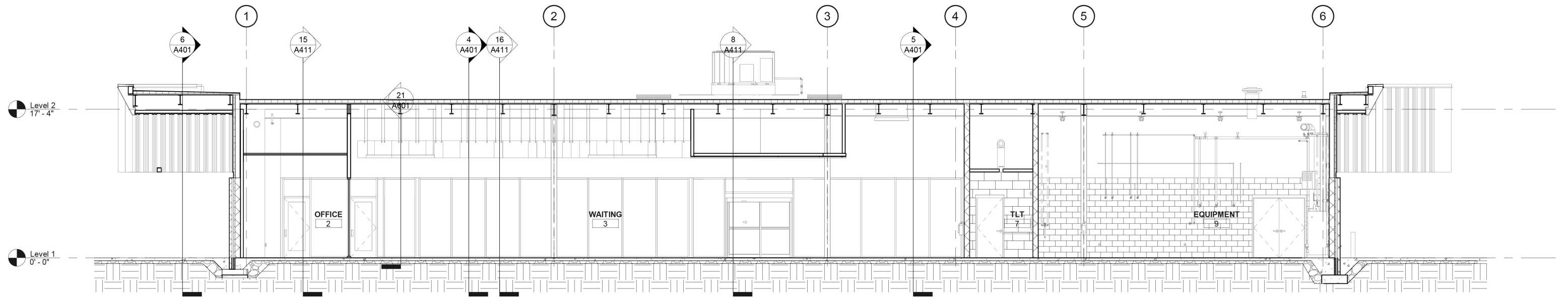
ACTIVE YEARS	2020
PROJECT COMPLETE	2021
FIRM	BarberMcMurry Architects
PROGRAM	Car Wash, Coffee Shop
PHASES	SD + DD + CD + CA

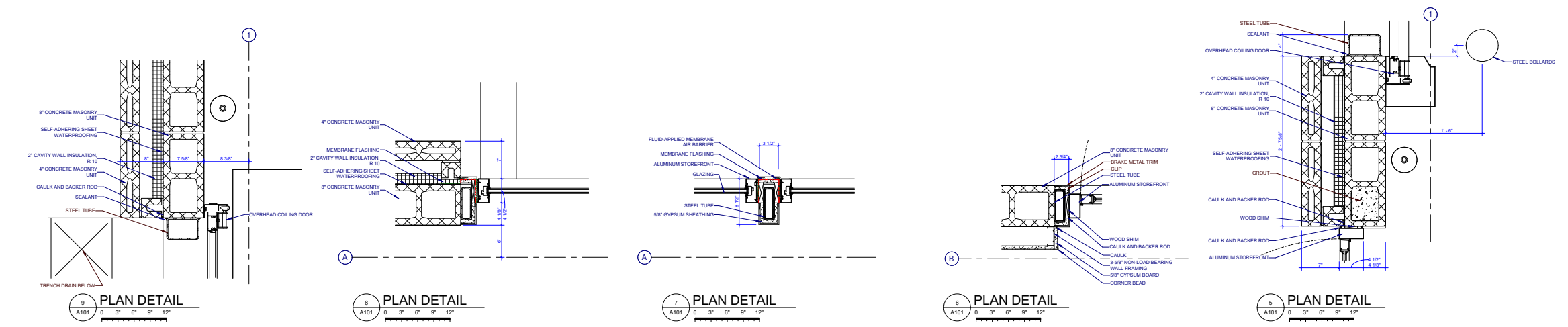


The design of the new Harper Auto Wash prototype delivers a luxury customer experience without a luxury construction budget. Positioned along a heavily traveled vehicular corridor, the project site is surrounded by industrial & automotive uses which inspires the exterior design strategy. Constrained within a compact footprint, the efficient building structure leverages common industrial materials composed & detailed to create a clean, modern architectural solution.

Corrugated metal siding features a randomized profile & color pattern which floats above a base of exposed concrete block and storefront. Within the metal siding, a pattern of white and gray color striation is deployed to invoke a feeling of movement across the building elevation. The CMU, which defines the building's base, responds to the material demands dictated by the wash environments – while also providing a contrast to the lighter corrugated metal panels and storefront systems.

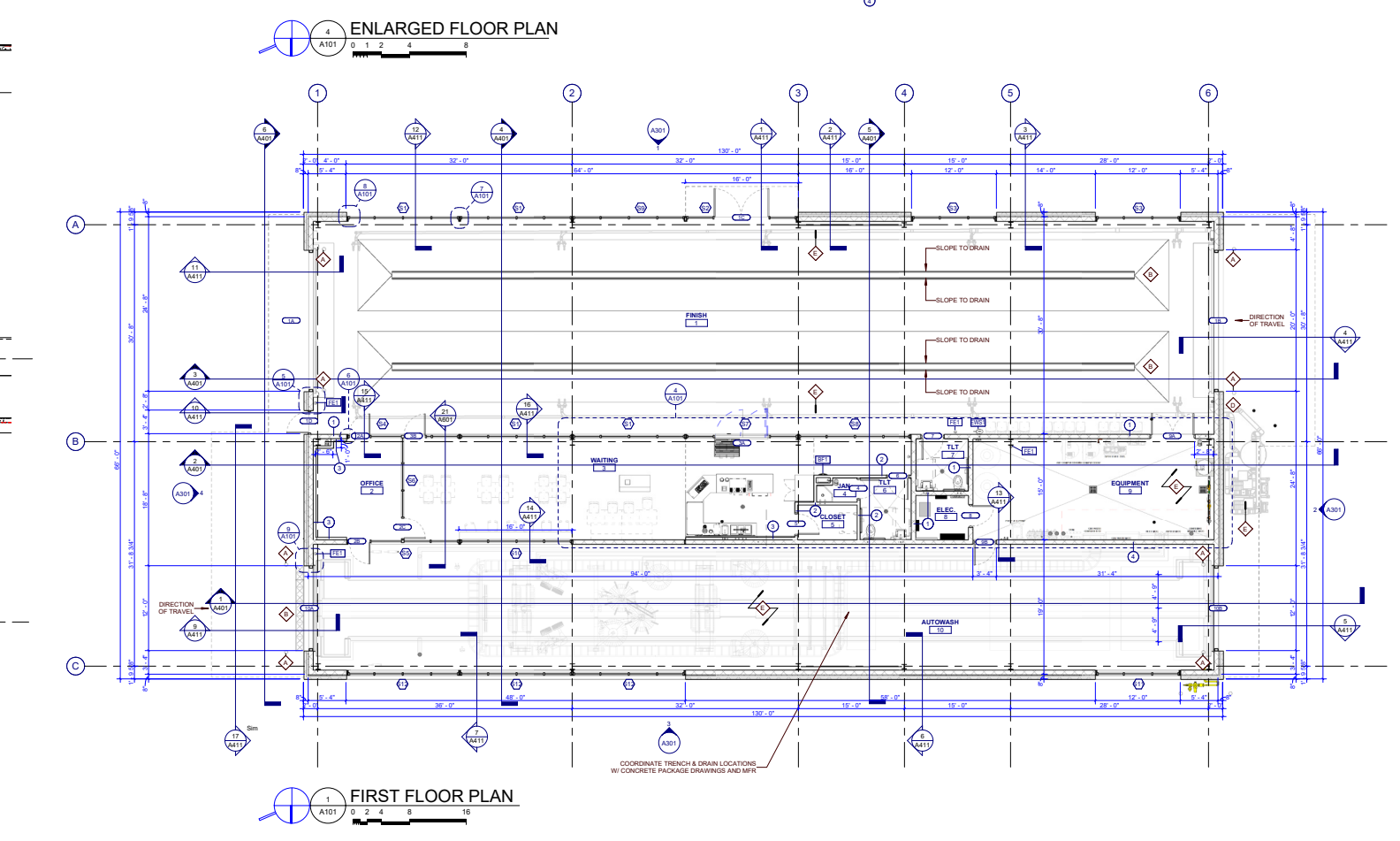
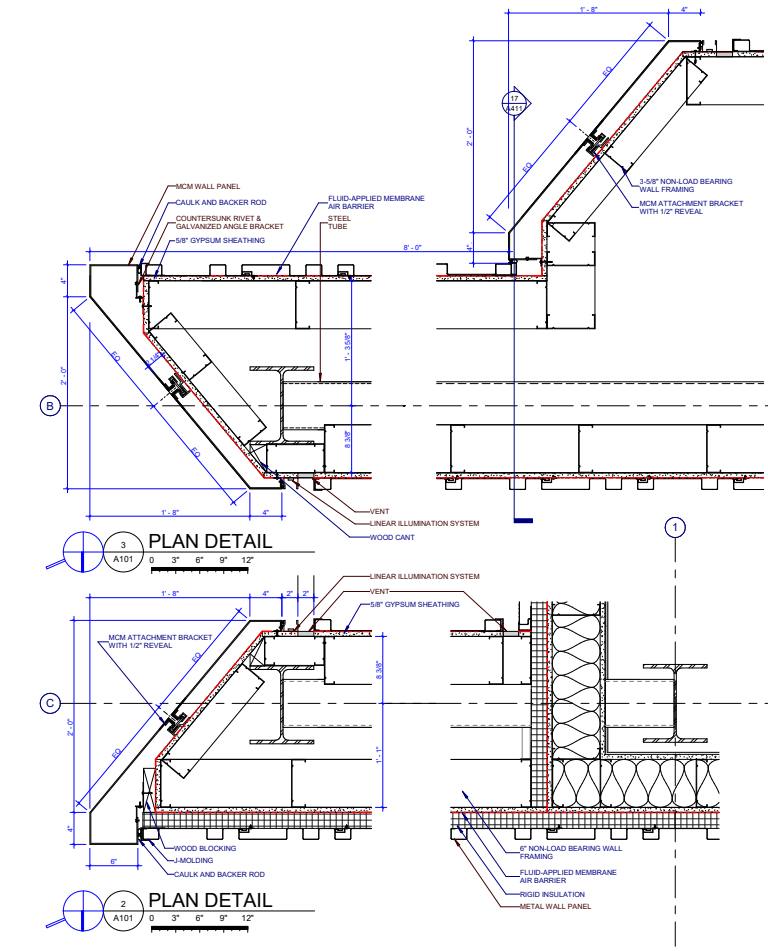
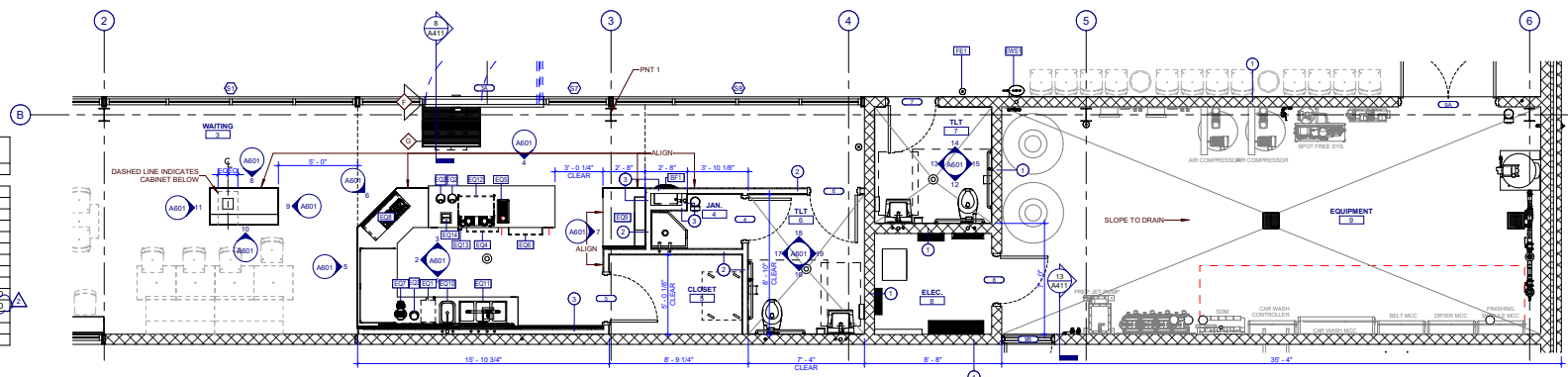
The building itself is positioned and designed to act as its own “billboard” to attract new & existing customers. The floor plan is conceived as an incredibly efficient & simple rectangle with the Wash and Finishing Bays positioned along the lengths of the building. The Coffee Shop and Customer Lounge are centrally located between the Wash and Finishing Bays and are bracketed with expansive floor-to-ceiling windows to capture shared daylight & provide unobstructed views of the adjacent wash areas.





COFFEE EQUIPMENT SCHEDULE					
MARK	PRODUCT	DIMENSIONS	MANUFACTURER	MODEL	COMMENTS
EQ1	G4 THERMOPRO ONE GALLON COFFEE BREWER	11" W x 20-3/4" D x 20-1/2" H	CURTIS	G4TP1563A3100	OWNER FURNISHED EQUIPMENT
EQ2	ESPRESSO GRINDER	7-1/2" W x 11" D x 23" H	MAHLKÖNIG	E55S	OWNER FURNISHED EQUIPMENT
EQ3	ALLROUND GRINDER	9" W x 18" D x 32-1/2" H	MAHLKÖNIG	EK43	OWNER FURNISHED EQUIPMENT
EQ4	UNDERCOUNTER REFRIGERATOR				OWNER FURNISHED EQUIPMENT
EQ5	PITCHER RINSER				OWNER FURNISHED EQUIPMENT
EQ6	UNDERCOUNTER ICE MACHINE	28" W x 28-1/2" D x 32-1/2" H	MANITOWOC	NEO 140190	OWNER FURNISHED EQUIPMENT
EQ7	AMPOI COFFEE BREWER				OWNER FURNISHED EQUIPMENT
EQ8	REFRIGERATED SELF-SERVICE COUNTER CASE	38-1/4" W x 24-1/8" D x 32-3/4" H	OASIS	CO3324R-UC	OWNER FURNISHED EQUIPMENT
EQ9	UNDERCOUNTER REFRIGERATOR	36-3/8" W x 35-1/8" D x 36" H	TRUE	TUC-36-HC	OWNER FURNISHED EQUIPMENT
EQ10	HANDWASHING SINK	24" W x 24" D x 24" H			CONTRACTOR SUPPLIED AND INSTALLED
EQ11	FREESTANDING 3-COMPARTMENT STAINLESS STEEL SINK	30" W x 18" D	MROWNE	KR19-33C	CONTRACTOR SUPPLIED AND INSTALLED
EQ12	ESPRESSO MACHINE	27-1/2" W x 24" D x 17" H	SYNNESS	S236	OWNER FURNISHED EQUIPMENT
EQ13	CLIP DISPENSER	8" W x 6" D x 12" H			OWNER FURNISHED EQUIPMENT
EQ14	KNOCK BOX	8" W x 6" D x 5" H			OWNER FURNISHED EQUIPMENT

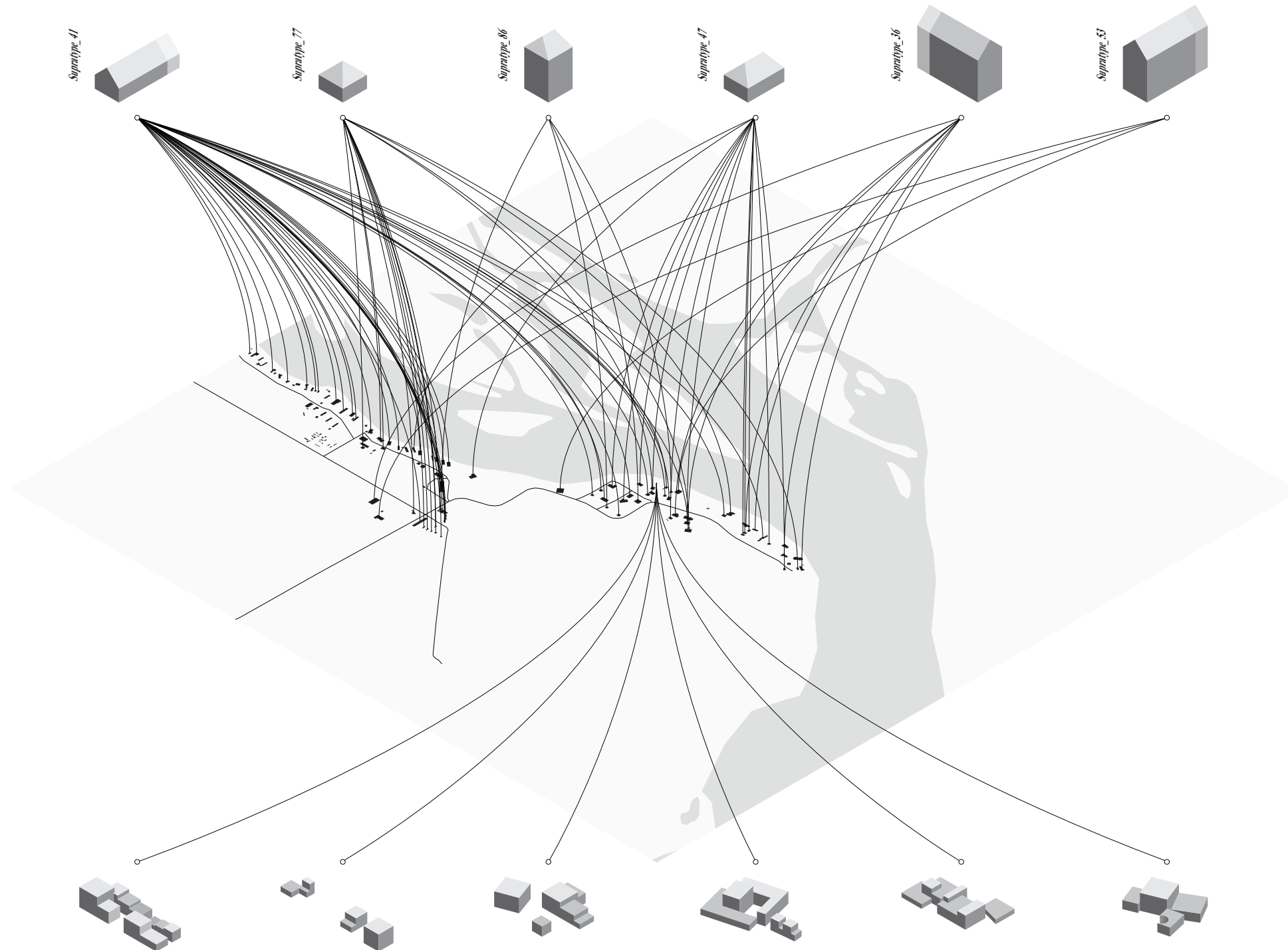
* CONFIRM MANUFACTURER & MODEL WITH OWNER



INTERPRETING THE LANDSCAPE

Cartographic Re-Presentation
Niobrara, Nebraska

ACTIVE YEARS	2016 - 2017
PROJECT COMPLETE	2017
FIRM	Virginia Tech
PROGRAM	Environmental Research Center
PHASES	Research + Thesis



There is a disconnect between how one experiences the landscape and how one represents the landscape. There are physical objects and quantitative data that define a landscape, or site to put it in architectural terms. However, there are also ethereal impressions and representative abstractions that define the site with equal influence.

Although a proxy for substantive information, maps have become abstract and purely systematic methods for ordering the site in to an understandable format. Defining political boundaries, property lines, trade routes, and natural and built environs only gives a partial interpretation of the landscape.

Similarly, the way in which these constructs are symbolized lends a hand in how the landscape is understood and managed. Mapping more theoretical topographies, such as the culture or economy, of a site becomes the new challenge – and one that we should dare to undertake in today's political climate. Not only in how it is defined and quantified for visualization, but also in how those visualizations take shape. Unlike rivers or railroads, there are no graphic standards for how to map the emotional response that one feels when standing in a space.

To create a methodology by which a site can be understood, we can challenge these common cartographic standards on a variety of levels that influence how a designer might choose to intervene. This is true of both the physical and metaphysical site.

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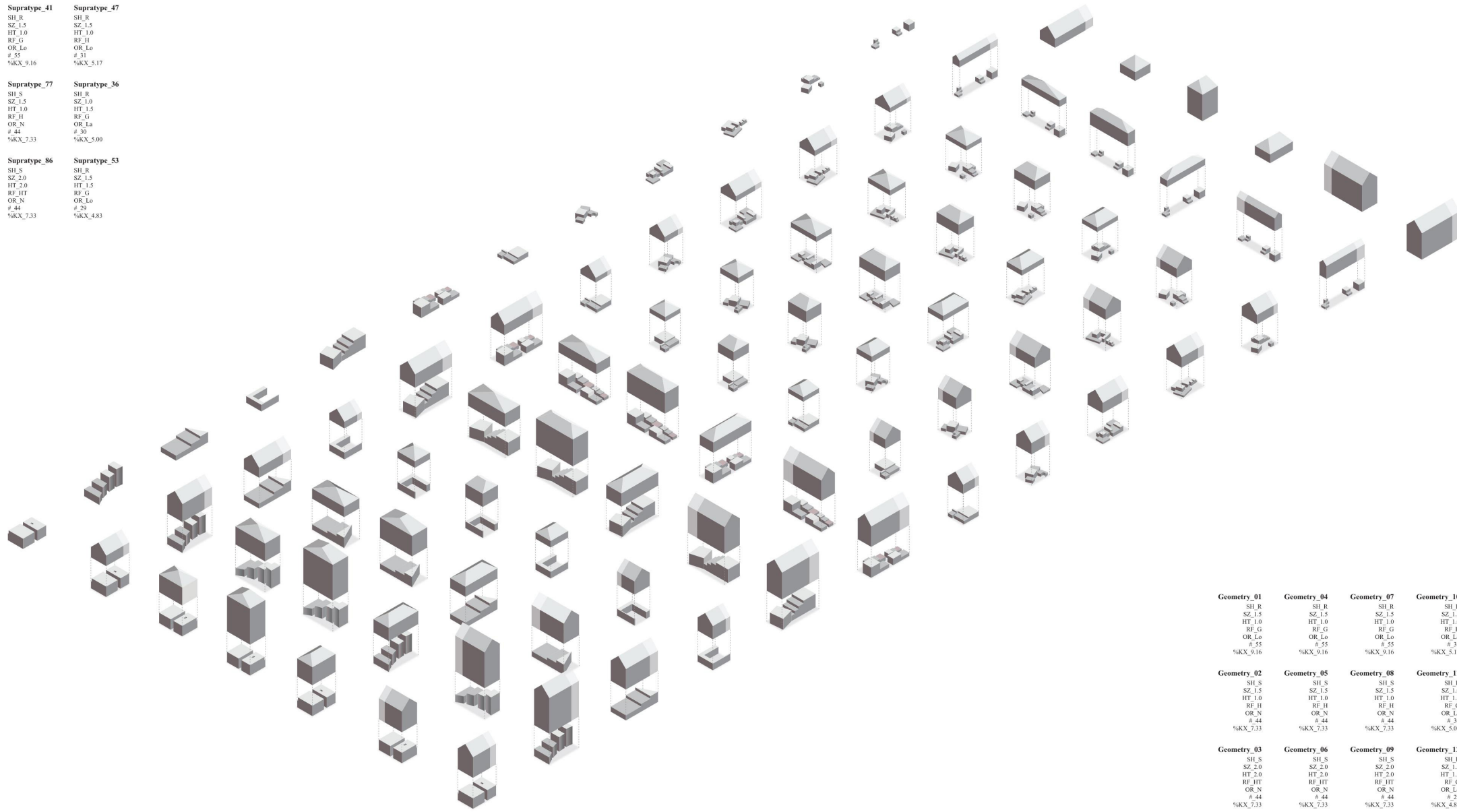
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