



RACHEL JUSTICE

CONTACT: justice@outlook.com • (814) 360-6349

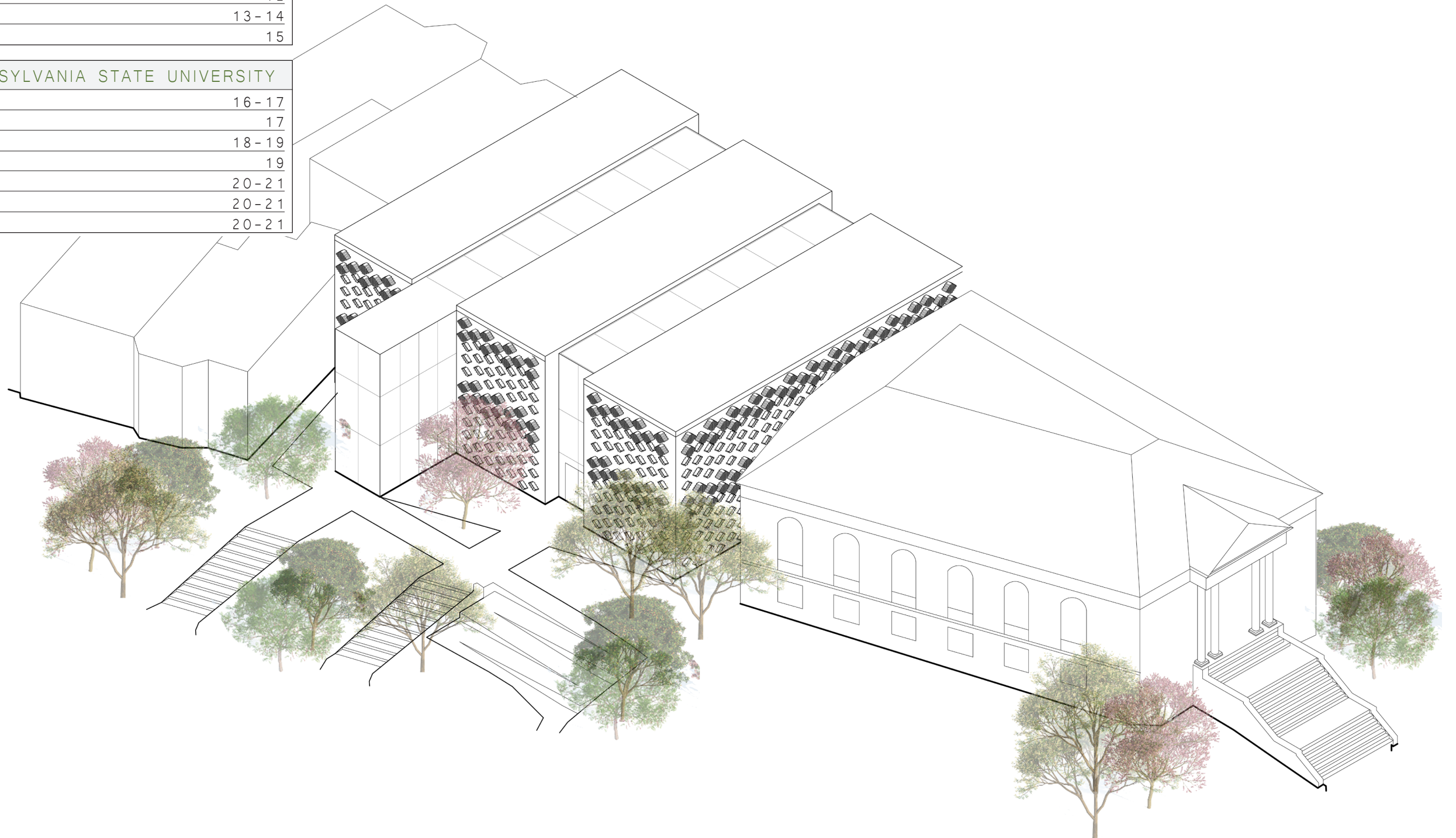
PORTFOLIO: <https://rej5109.wixsite.com/racheljustice>

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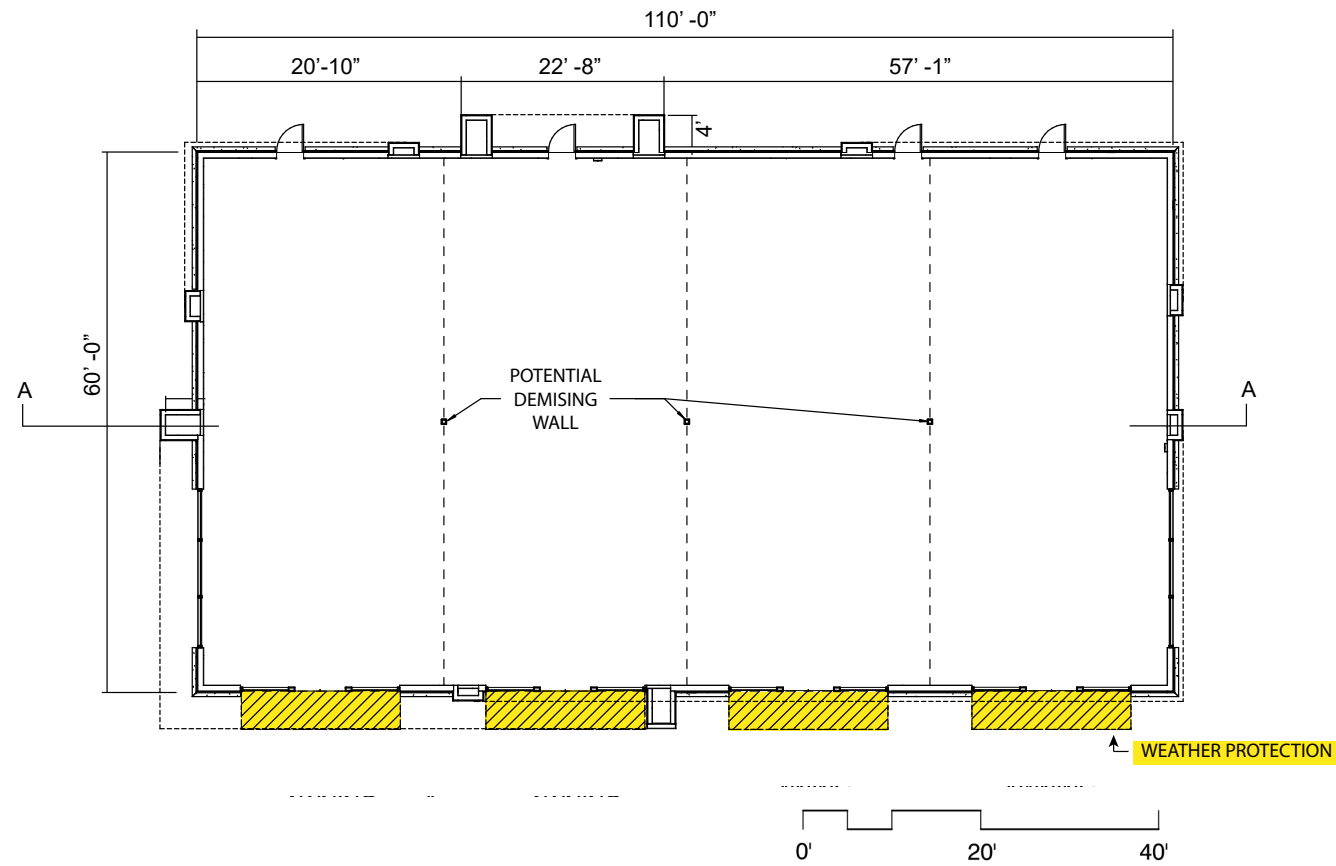
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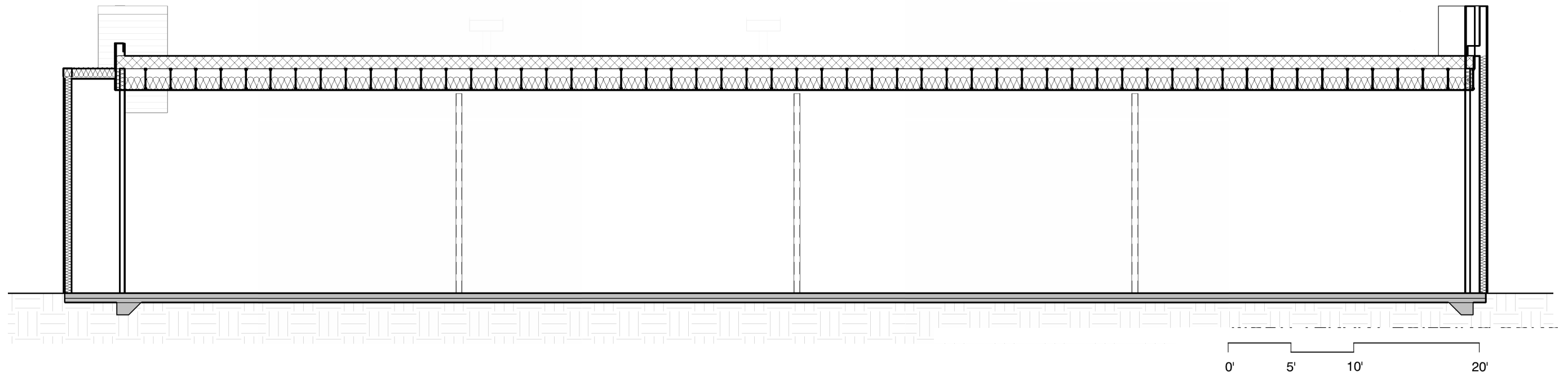
WORK SAMPLES; STUDIO MENG STRAZZARA

DESIGN REVIEW PHASE

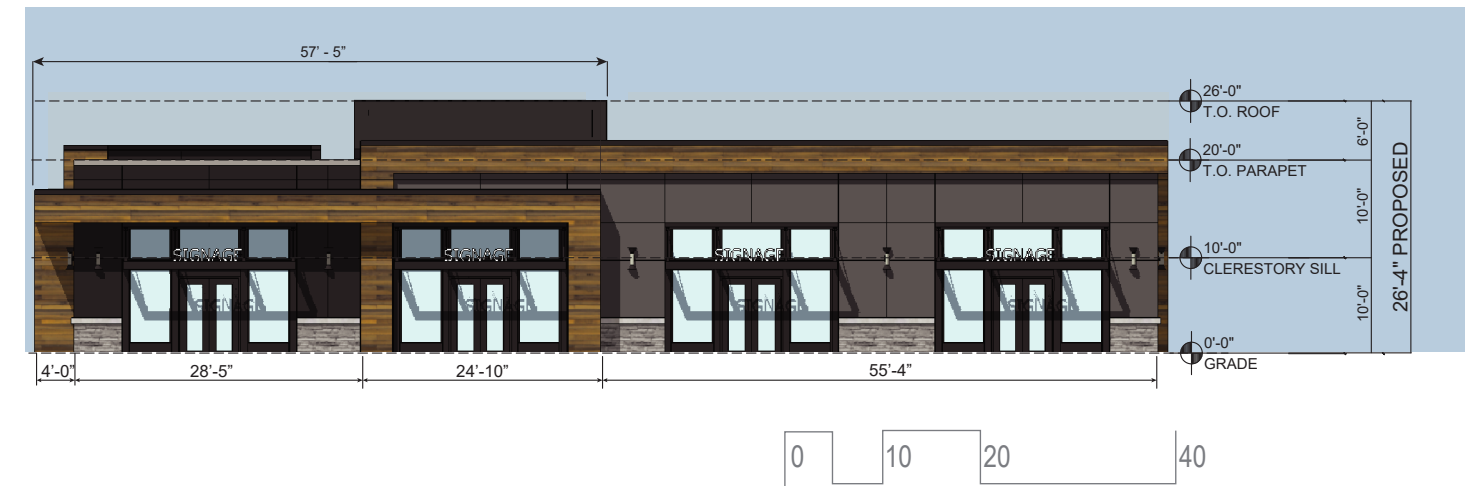
GROUND FLOOR PLAN



LONGITUDINAL SECTION A



EAST ELEVATION



CITY COMMENTS RESPONSE/ CODE SPECIFICATION

MULTI-TENANT WEATHER PROTECTION			
	TOTAL (FT)	% FAÇADE	% GLAZING
FAÇADE	108.5833333		
GLAZING	69	0.635456639	
WEATHER PROTECTION	70	0.644666155	1.01449275

I GAINED EXPERIENCE SUBMITTING AND REVISING DESIGN REVIEW SETS TO THE CITY. I RECEIVED COMMENTS FOR REVISION REGARDING LEGIBILITY OR MUNICIPAL CODE. AN EXAMPLE OF THIS IS THE FOLLOWING CHART SHOWING THE PERCENTAGE OF WEATHER PROTECTION ON THE FAÇADE (THE MUNICIPAL CODE REQUIRED AT LEAST 60% COVERAGE).

PROJECT ANALYSIS

35% Commercial Area Calculation			
Commercial	SF	Qnt	Req'd
Chick-Fil-A	5,000	1	5,000
7-11	5,000	1	5,000
Multi-Tenant	6751	1	6751
Valvoline	2374	1	2374
Gravity Coffee	573	1	573
Commercial Space	12904	1	12904
Commercial Provided			32602
Residential	SF	Qnt	Req'd
Building A - Units	4278	1	4278
Building B - Units	3250	7	22750
Building C - Units	4140	8	33120
Total			92750
Total Commercial Req'd		35%	32463

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STD	481
Compact	45
ADA	29

Open Space Requirement						
	Total	Qnt	Total	# Units	Area	Req'd
Bldg A	20	1	20		285	5700
	16	1	16	36	100	1600
Bldg B	6	7	42		285	11970
	6	7	42	84	100	4200
Bldg C	6	8	48		435	20880
	6	8	48	96	285	13680
Total Required						58030
Actual Provided						65091

Legend	
1 Bedrm	
2 Bedrm	
3 Bedrm	

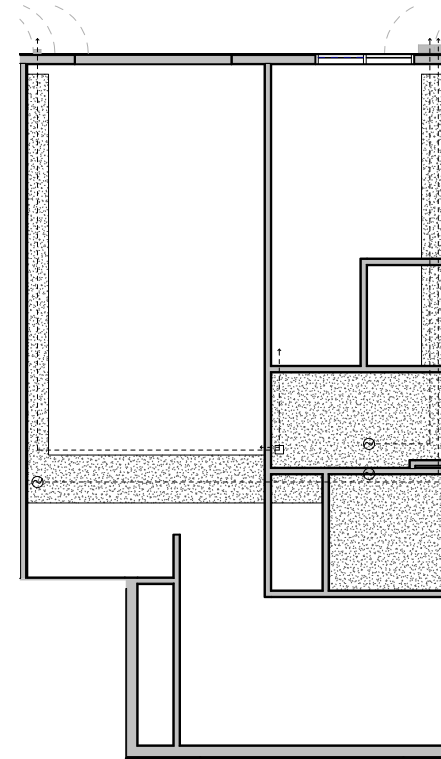
THIS PROJECT CONSISTED OF MANY MULTI-FAMILY STRUCTURES AND A FEW COMMERCIAL STRUCTURES. AN IMPORTANT ASPECT OF PROJECT ANALYSIS WAS USING SQUARE FOOTAGES TO DETERMINE CODE REQUIREMENTS (OPEN SPACE, NUMBER OF PARKING SPACES, ETC). USING THIS INFORMATION WE COORDINATED WITH CONSULTANTS AND MADE NECESSARY ADJUSTMENTS IN ORDER TO DEVELOP THE SET FOR PERMIT.



PERMITTING PHASE

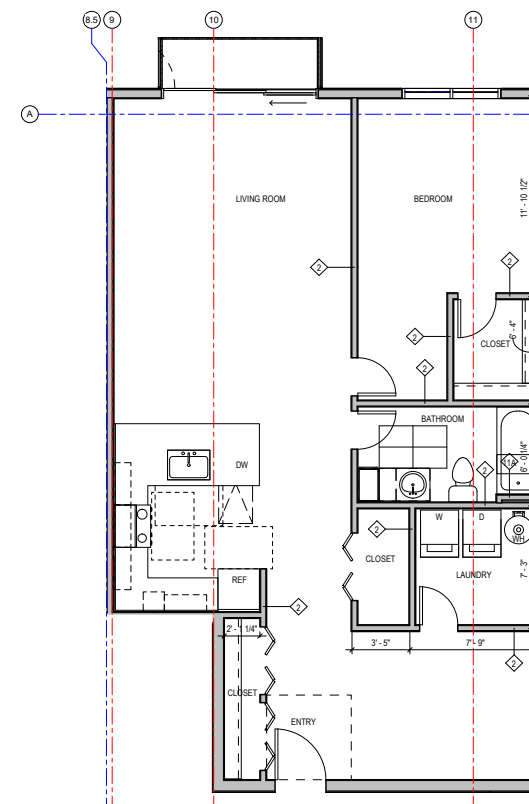
THE FOLLOWING REVIT DRAWINGS ARE OF A DIFFERENT BUILDING (PODIUM A) IN THE SAME PROJECT AS THE PREVIOUS WORK SHOWN. I GOT TO SEE THIS PROJECT THROUGH MULTIPLE PHASES AND WORK ON ALL OF THE BUILDINGS (EXCLUDING THE SOLELY COMMERCIAL STRUCTURES SUCH AS CHICK-FIL-A OR 7-11).

ENLARGED UNIT RCP



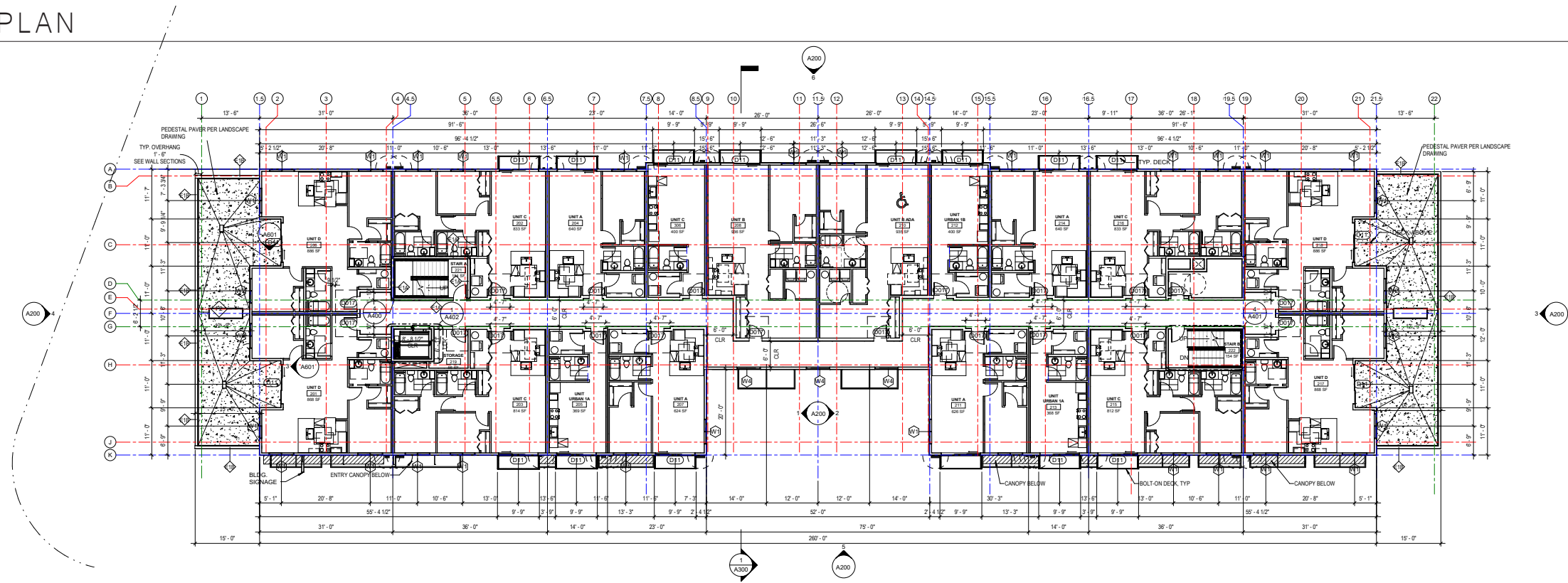
THIS IS ONE OF MANY UNITS THAT I WORKED TO PLACE SOFFITS ACCORDING TO WHERE MECHANICAL PLACED VENTS AND ERVS.

ENLARGED UNIT PLAN

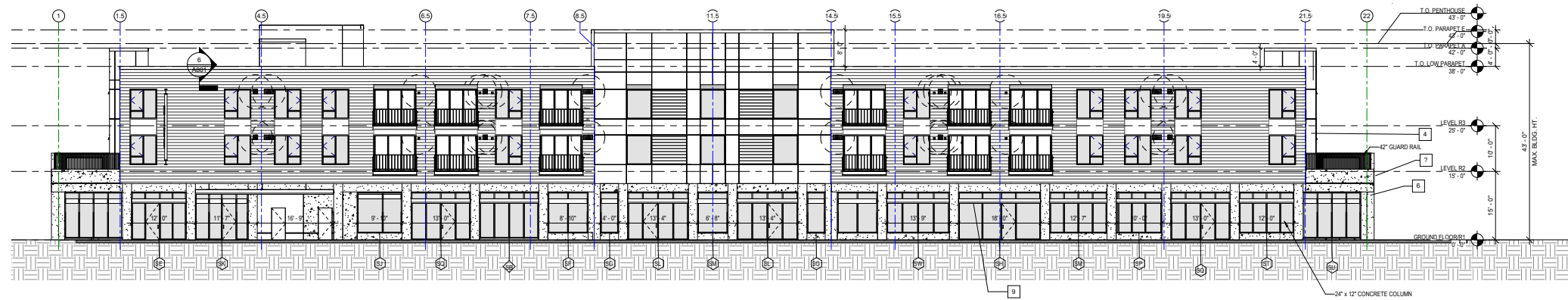


WORKING ON UNITS REGULARLY GAVE ME A FAMILIARITY WITH WHAT GENERAL SIZES SPACES IN RESIDENTIAL UNITS SHOULD BE. I ALSO GOT TO PRACTICE REPETITION USING IMPORTANT ADA STANDARDS FOR THOSE SPACES.

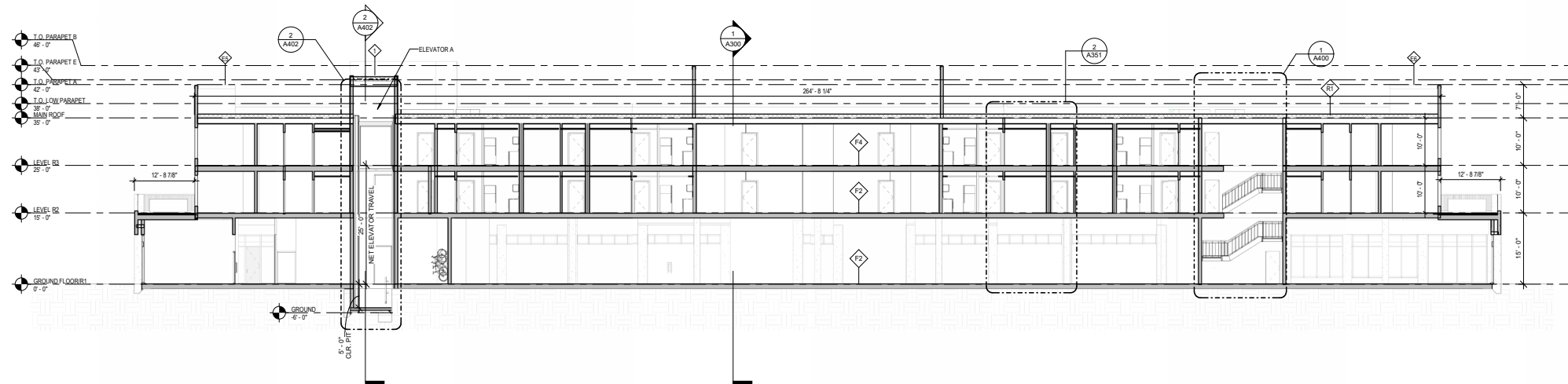
SECOND FLOOR PLAN



WEST ELEVATION

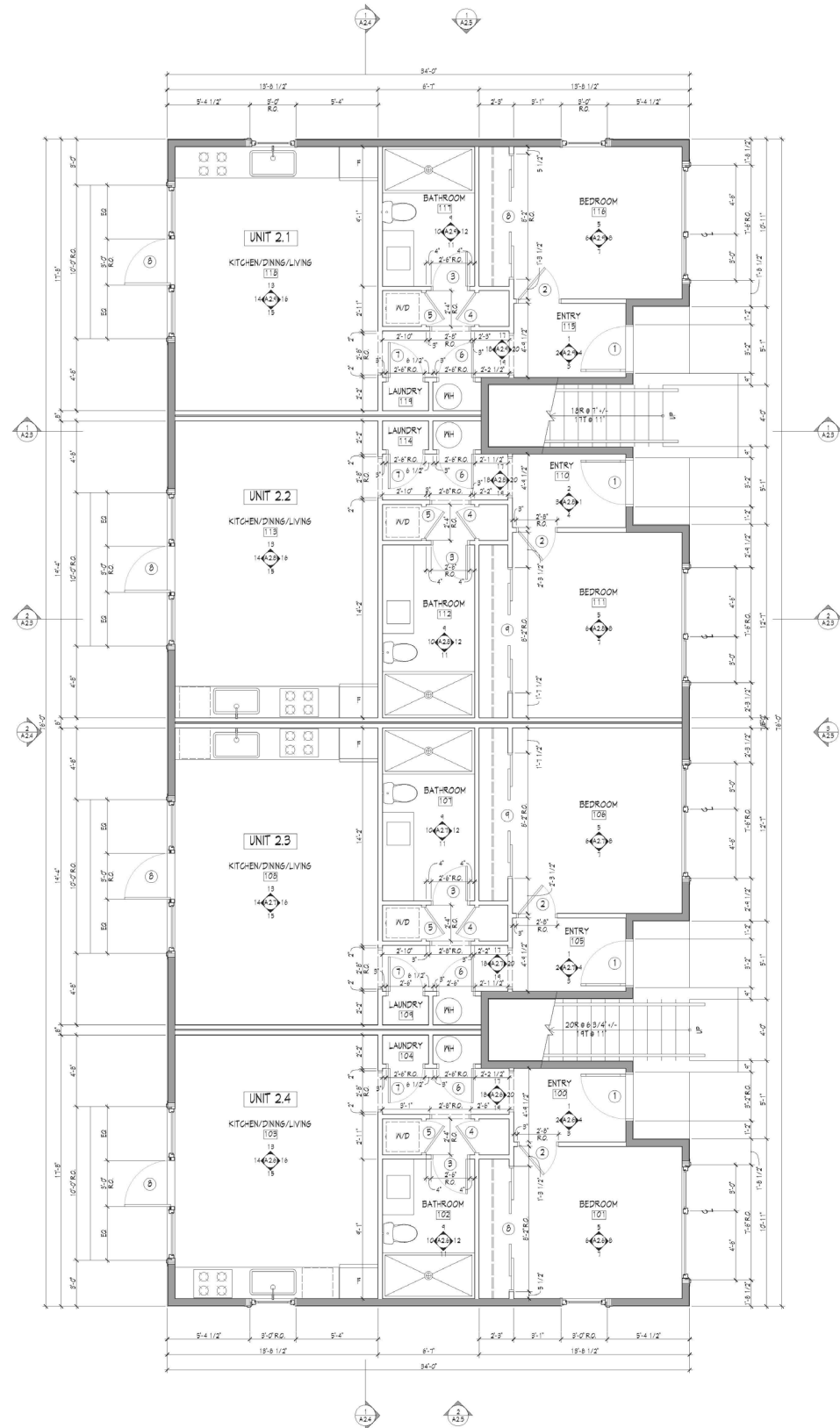


LONGITUDINAL SECTION AT ELEVATOR



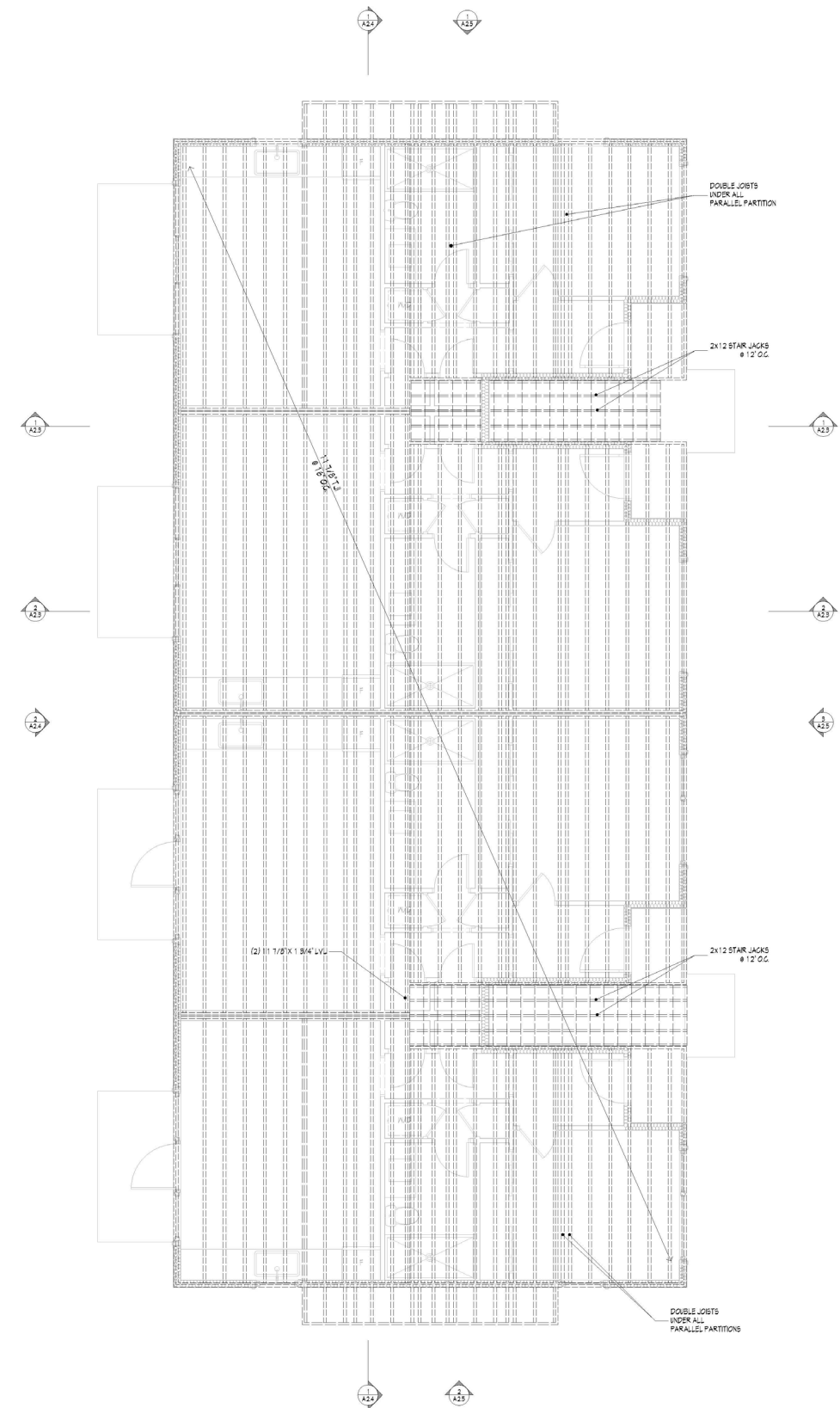
WORK SAMPLES; CUTLER ANDERSON ARCHITECTS

GROUND FLOOR PLAN



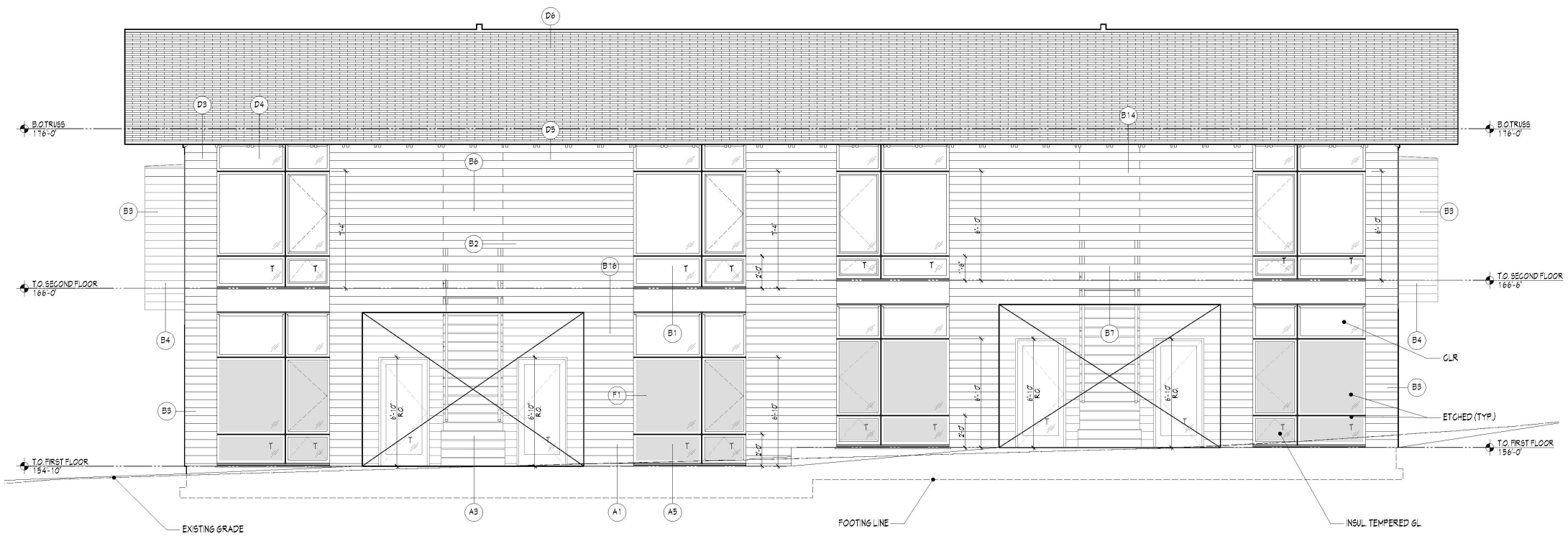
LOCATED IN BAINBRIDGE ISLAND, WA, THIS MULTI-FAMILY PROJECT GAVE ME OVERARCHING EXPERIENCE ON ONE PROJECT AS WELL AS PRACTICE MANAGEMENT SKILLS. I MODELED THE BUILDING AS IT DEVELOPED AND PRODUCED DRAWINGS SETS.

SECOND FLOOR FRAMING PLAN



THIS PROJECT WAS IN THE SCHEMATIC PHASE SO I MODELED THE TJIS AND LVLS IN ARCHICAD ACCORDING TO FRAMING PLAN SKETCHES FROM MY PM AND PROJECT DETAILS. THIS WAS A UNIQUE LEARNING EXPERIENCE THAT PROVED TO BE HELPFUL WHEN RECEIVING/INTERPRETING DRAWINGS FROM STRUCTURAL CONSULTANTS.

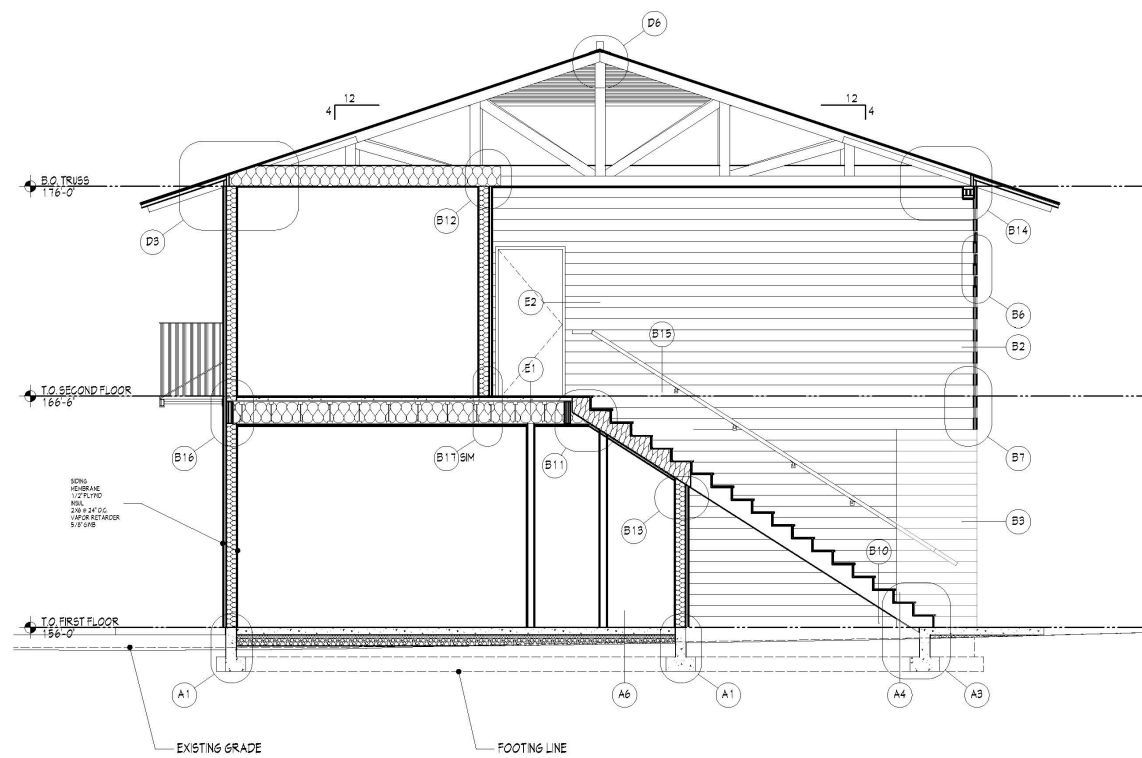
ELEVATION



THE DESIGNER/OWNER AT CUTLER ANDERSON WAS VERY SPECIFIC ABOUT DETAILS AND USED THEM AS A DESIGN STRATEGY. THEY WERE ALWAYS BEING EDITED AND DEVELOPED AND WERE CONTINUALLY ADDED TO THE DETAIL SET AS THE PROJECT MOVED FORWARD. MY JOB WAS TO LABEL THE DETAILS AND USE THEM TO CORRECTLY PRODUCE DRAWINGS WITH THE DETAILS SHOWING. THIS CONSISTED OF MODELING STRUCTURAL ELEMENTS AS WELL AS DRAWING SMALLER 2X ELEMENTS AND OR SHEATHING IN BUILDING AND WALL SECTIONS.

I LEARNED HOW TO READ DETAILS AND GAINED FAMILIARITY WITH NAMES OF MATERIALS AND THEIR COMMON SIZING. I ALSO GAINED AN UNDERSTANDING OF HOW TO INTERPRET A DETAIL IN 1"=1'-0" TO A MUCH SMALLER SCALE DRAWING OR MODEL BY DETERMINING WHERE THE STUD NEEDS TO ALIGN COMPARED TO THE FINISH MATERIAL.

LATERAL SECTION THROUGH STAIR



DETAILS

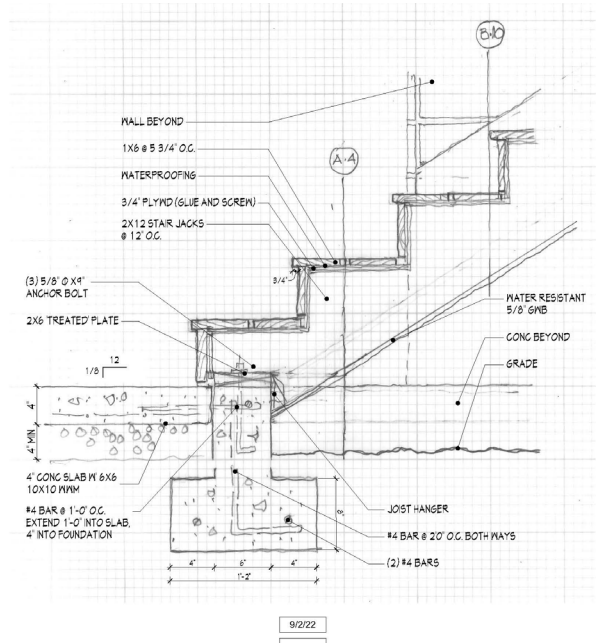
B18

D4

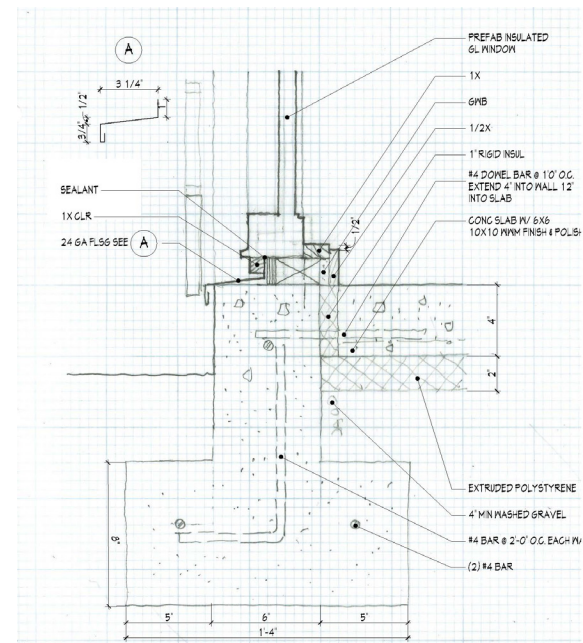
D6

E3

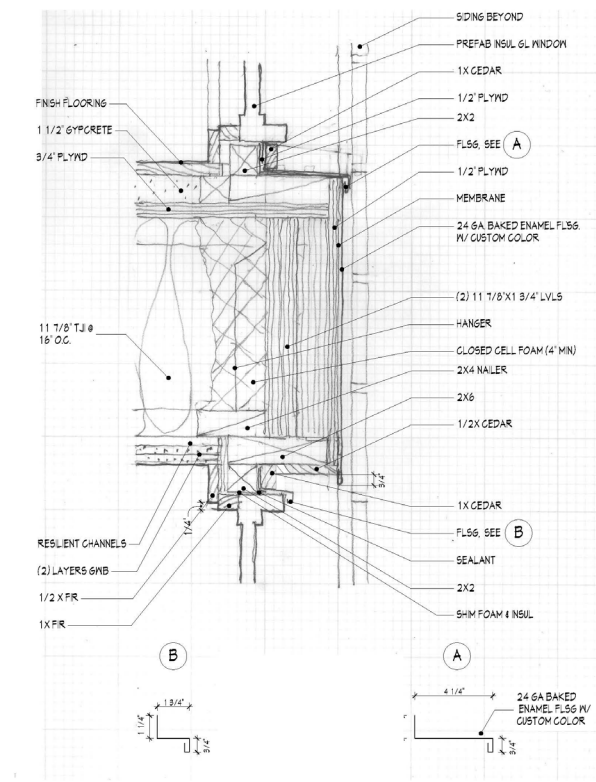
A3



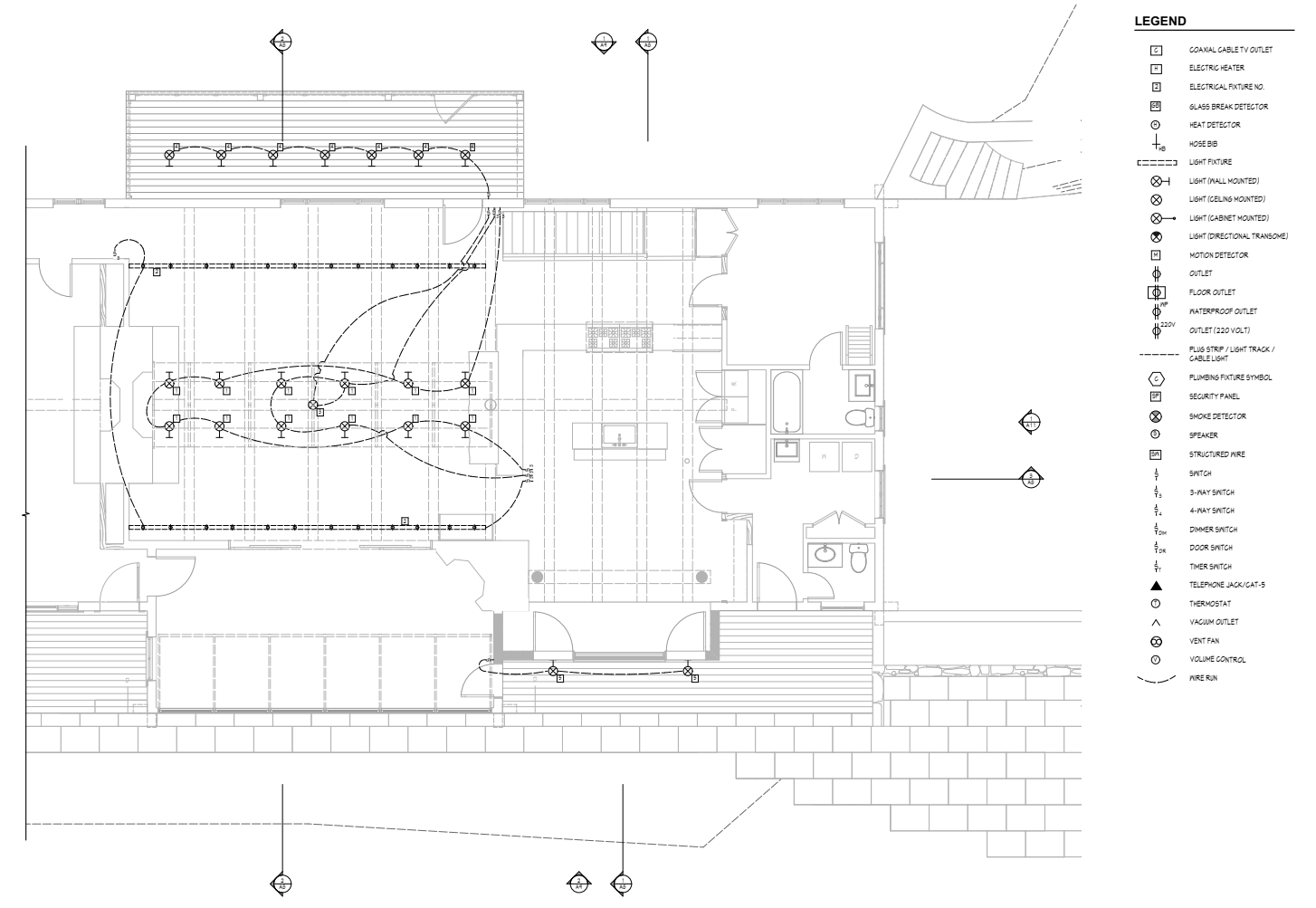
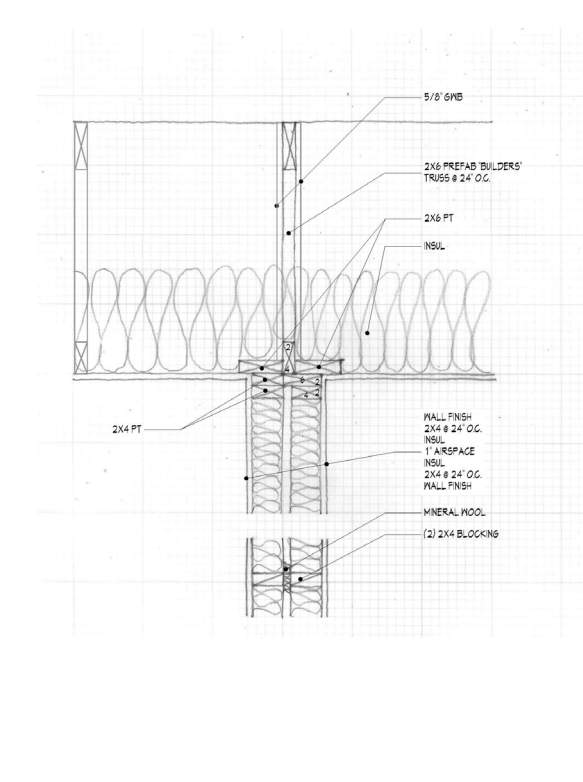
A5



B1



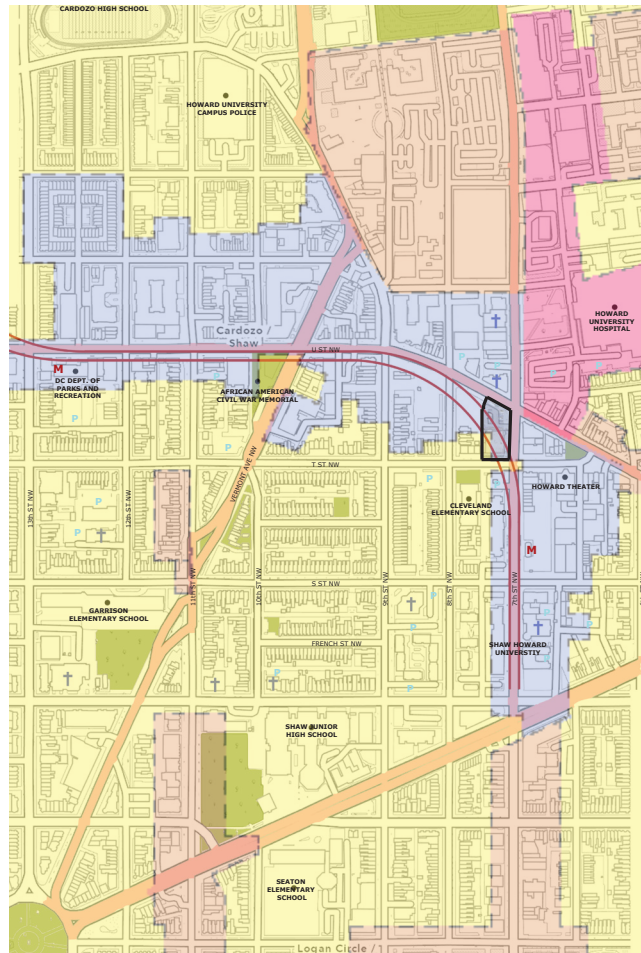
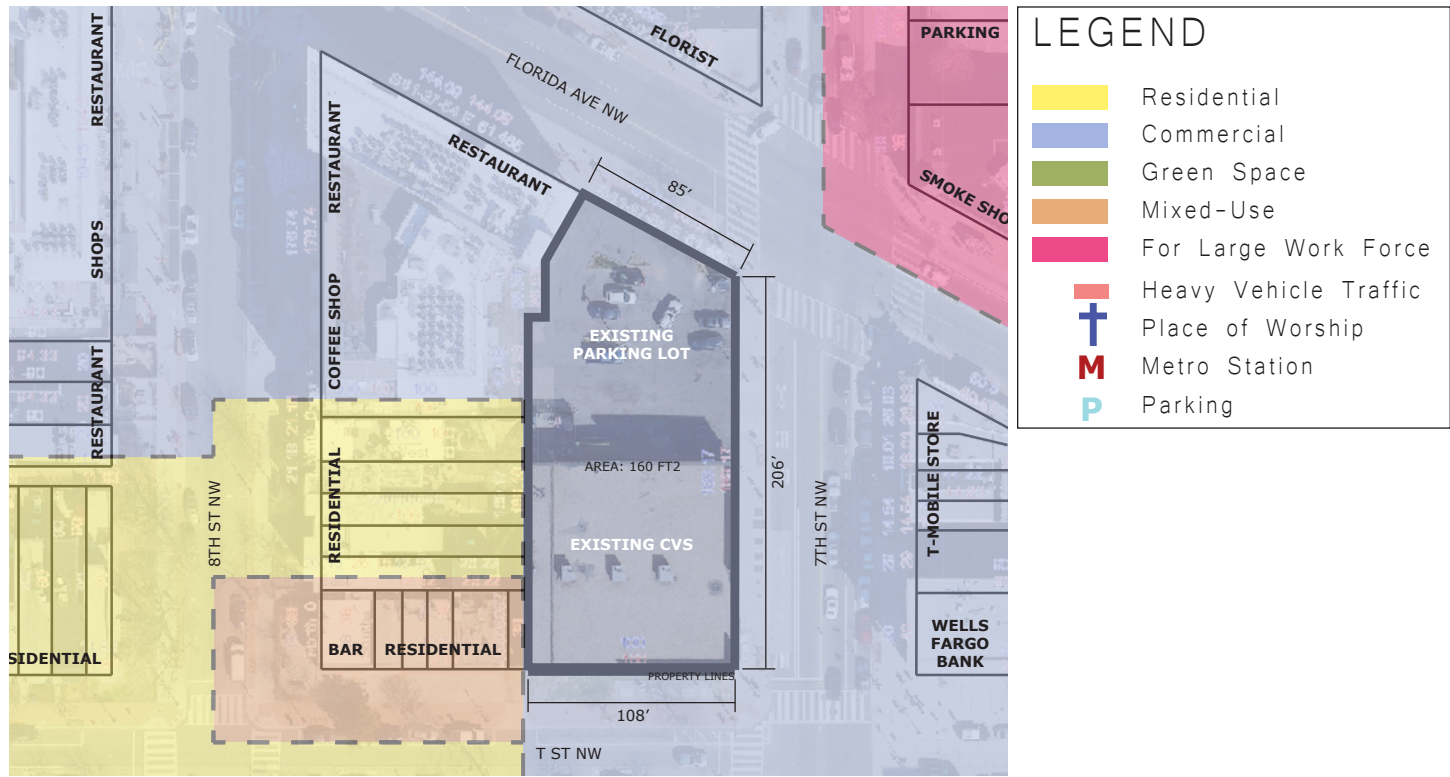
B9



THIS PLAN IS NOT FROM THE MULTI-FAMILY PROJECT THE PREVIOUS DRAWINGS ARE FROM. IN ORDER TO SHOW A RANGE OF WORK I PARTICIPATED IN AT CUTLER ANDERSON, I INCLUDED THIS ELECTRICAL PLAN I PRODUCED FOR A SINGLE FAMILY PROJECT THAT WAS IN THE CONSTRUCTION DOCUMENT PHASE. I WORKED WITH A PM TO PLACE LIGHTS AND SWITCHES IN ORDER TO COORDINATE WITH THE ELECTRICAL CONSULTANT.

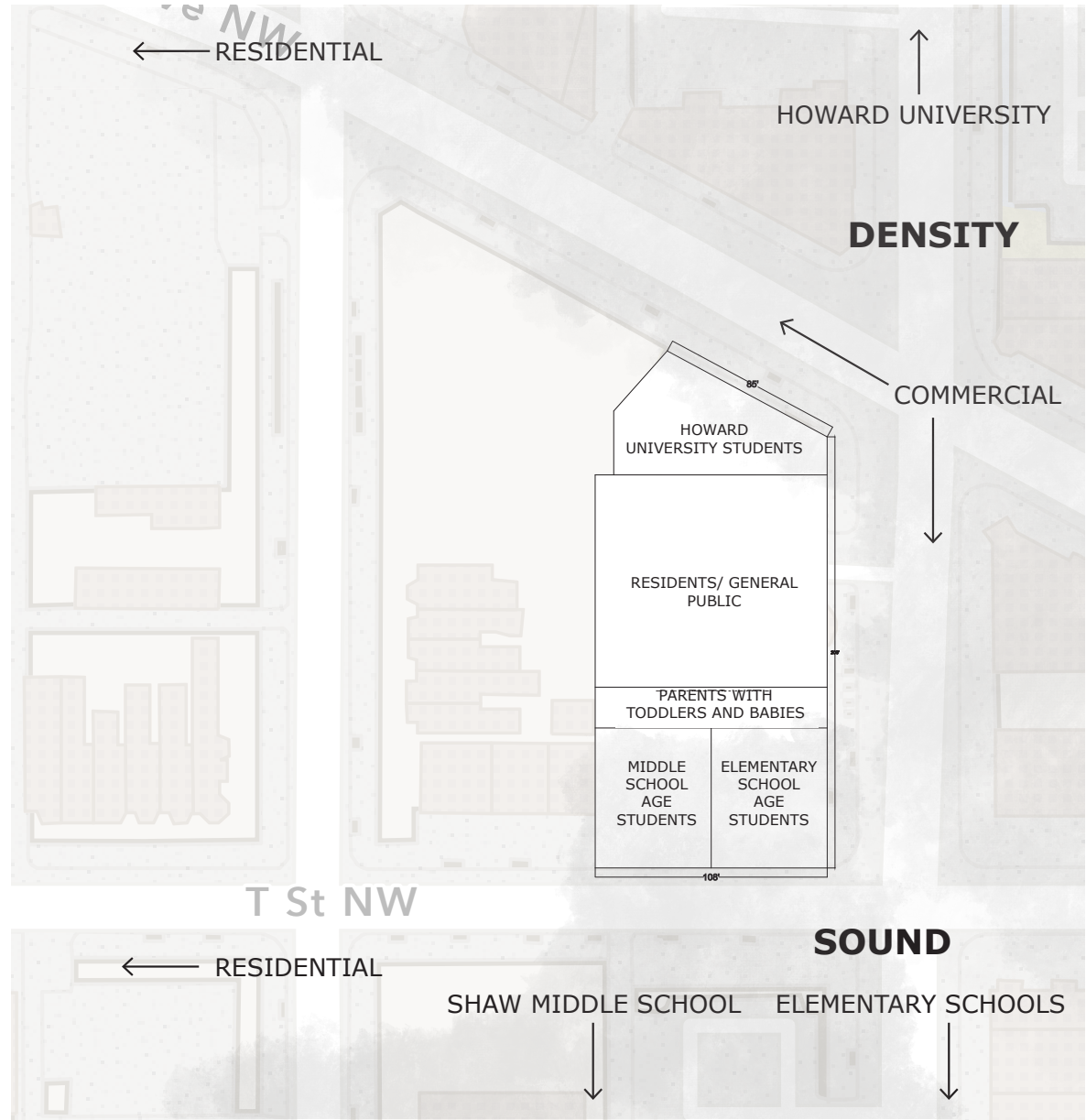
CAPSTONE PROJECT; PENNSYLVANIA STATE UNIVERSITY

SITE ANALYSIS

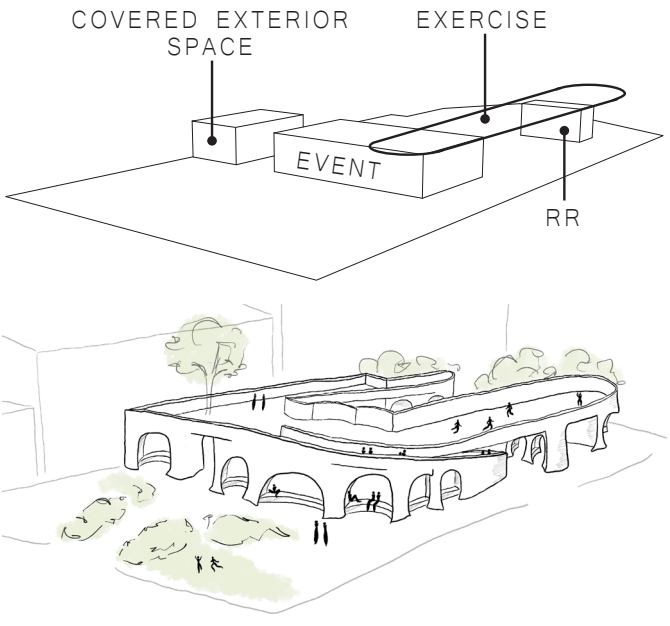
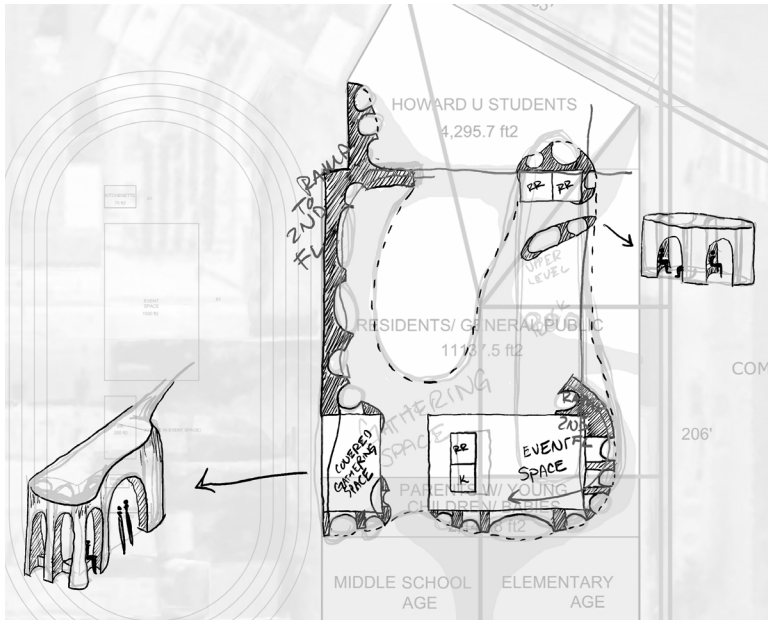


THIS PROJECT IS A PUBLIC PARK WITH COVERED SOCIAL SPACES, PUBLIC RESTROOMS, AN EXERCISE TRACK, AND RESERVABLE ENCLOSED SPACE. LOCATED IN DOWNTOWN WASHINGTON, D.C., THE GOAL OF THIS DESIGN IS TO CREATE A SITE THAT IS SUCCESSFUL FOR ALL OF THE DIFFERENT USERS IN THE AREA. IN DEPTH CONSIDERATION WENT INTO THIS PROJECT IN TERMS OF WHO THOSE USERS ARE, HOW DO THEIR NEEDS OVERLAP OR CONTRADICT, AND WHAT MIGHT THEIR CIRCULATION PATHS LOOK LIKE CONSIDERING THE SURROUNDING COMMUNITY.

THE CURVED FORMS ARE DIFFERENT SIZES THAT CREATE OPPORTUNITIES FOR LARGE AND SMALL GROUPS OF PEOPLE TO SPEND TIME IN AND SIT ON THE EDGES OR UNDER THE COVER OF THE STRUCTURE. SIMILARLY, THERE ARE SPACES THAT ARE SUITED FOR INDIVIDUALS TO SPEND TIME.

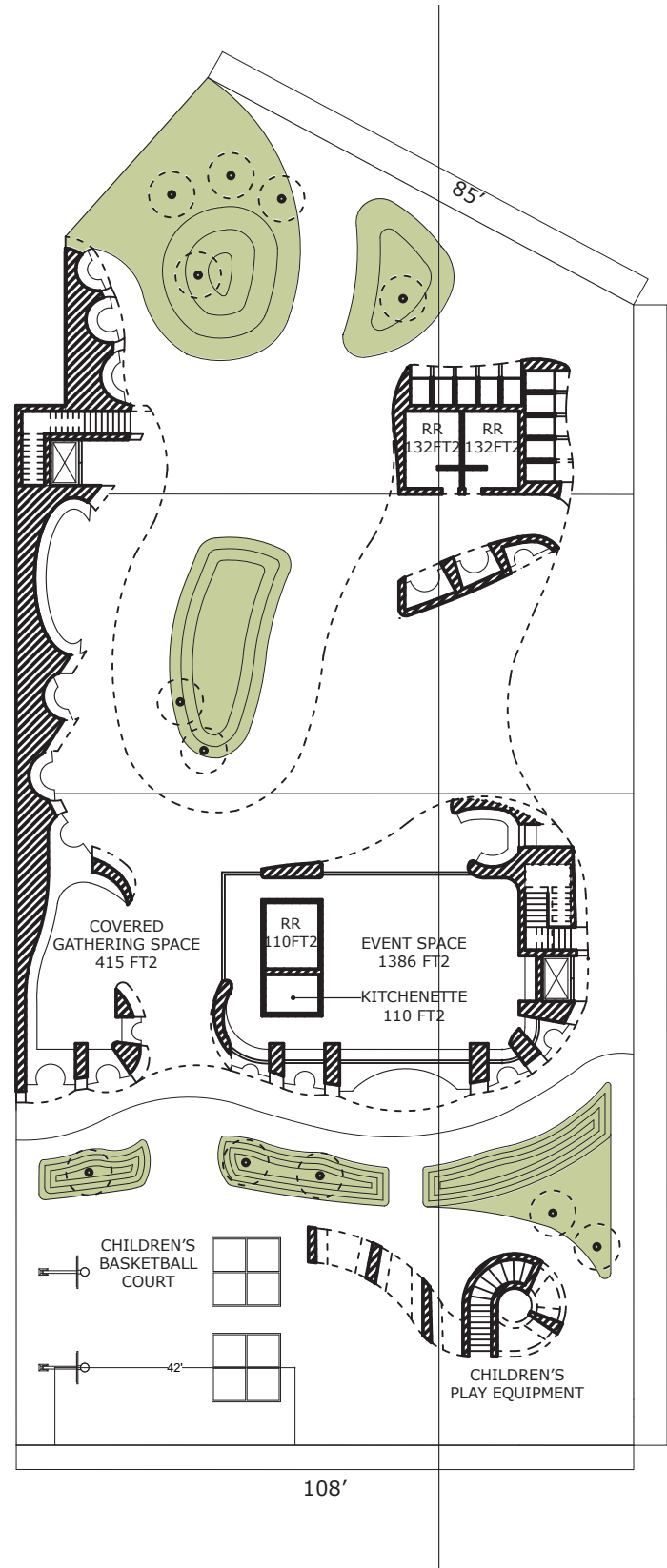


SCHEMATIC DESIGN

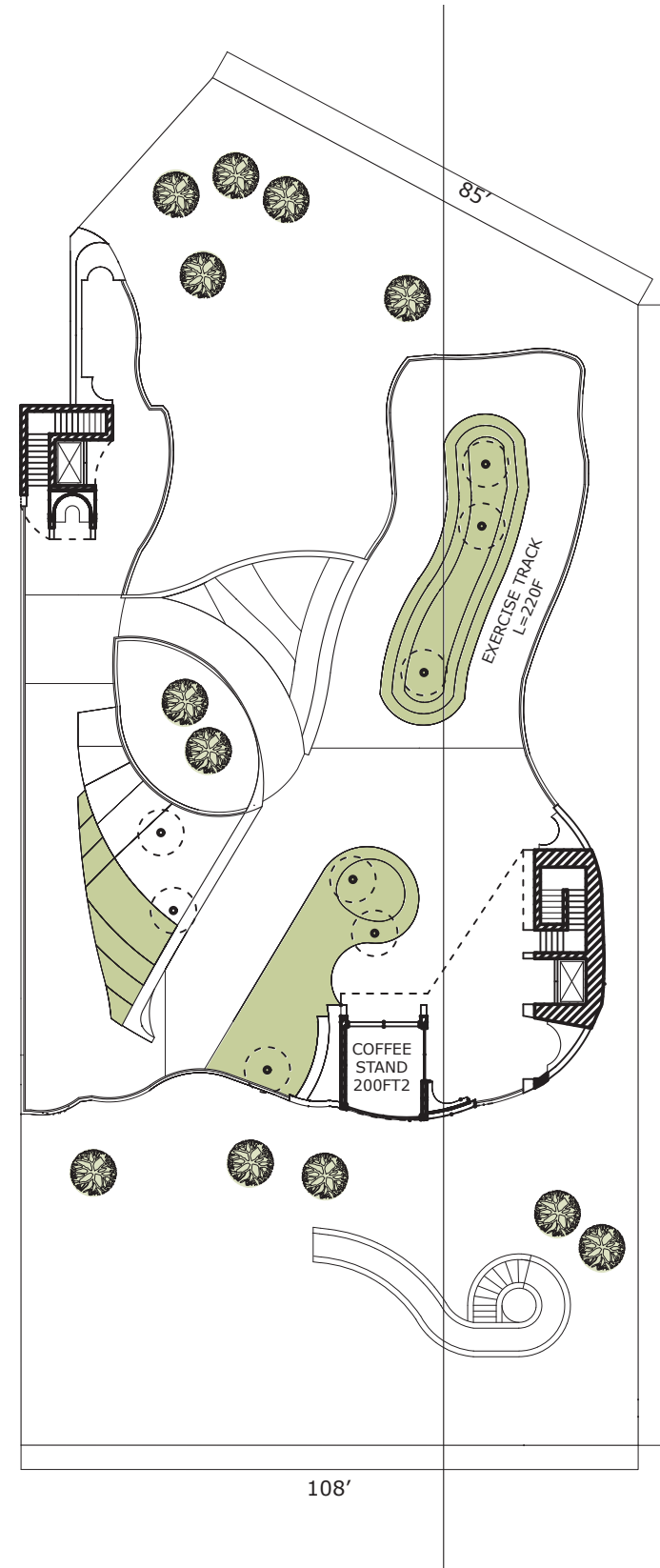


FLOOR & ROOF PLANS

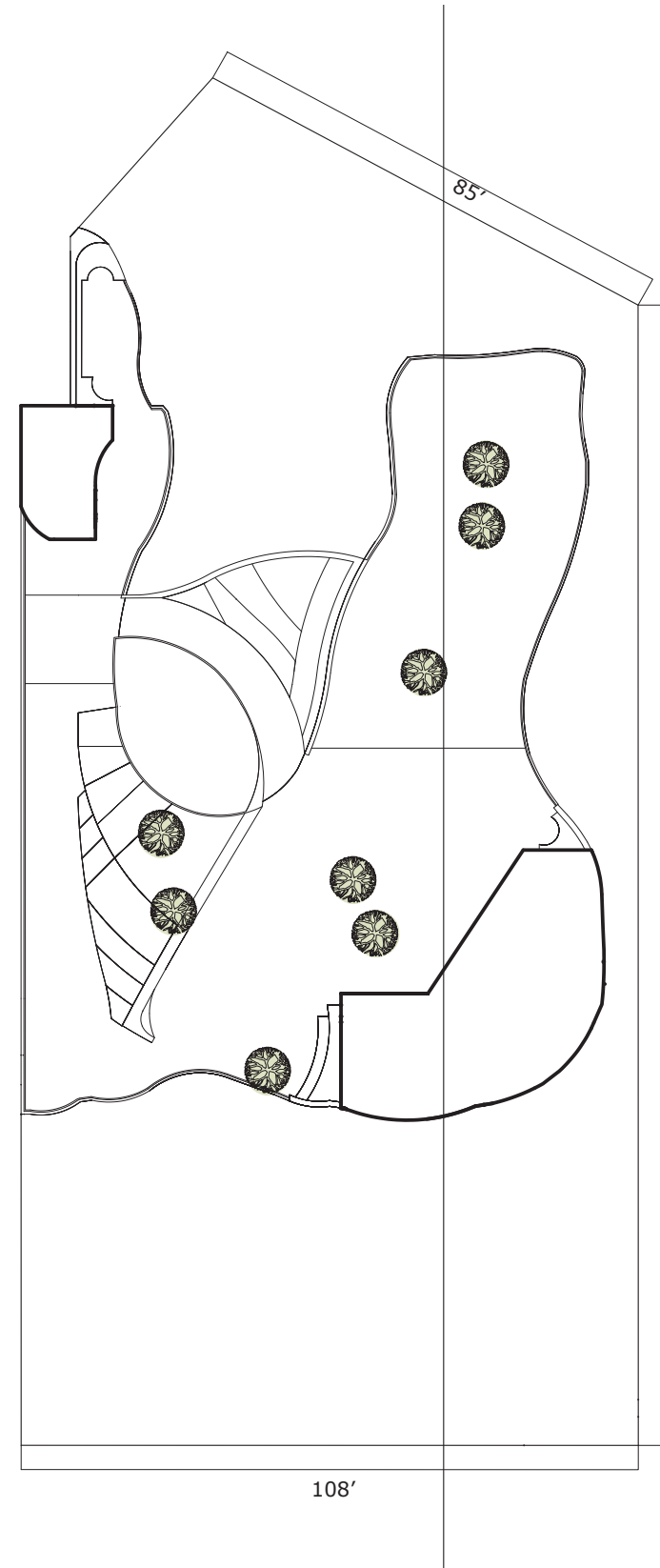
GROUND FLOOR PLAN



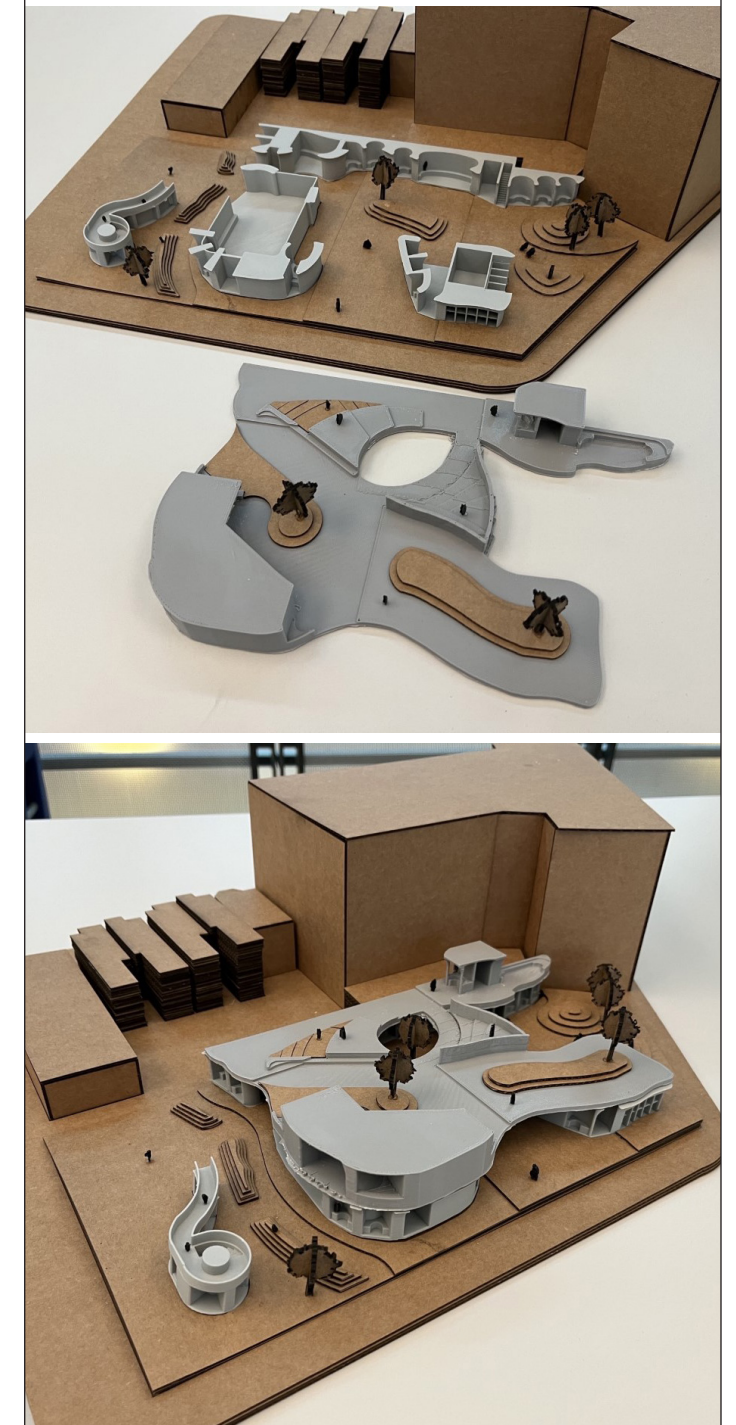
SECOND FLOOR PLAN



ROOF PLAN



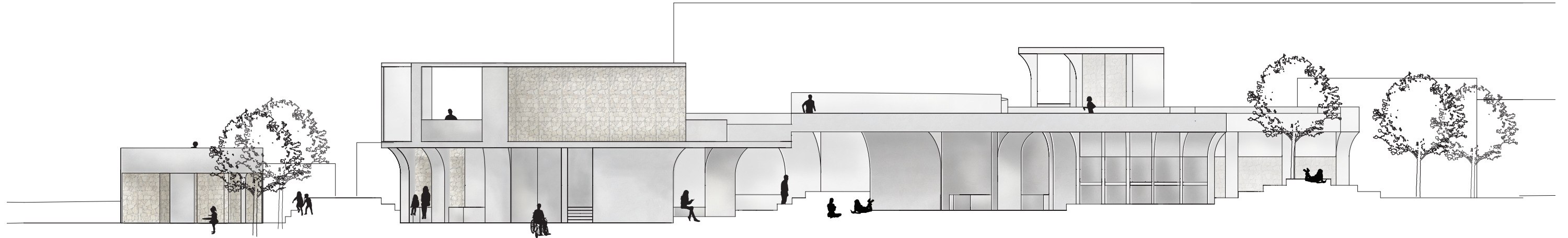
MODEL



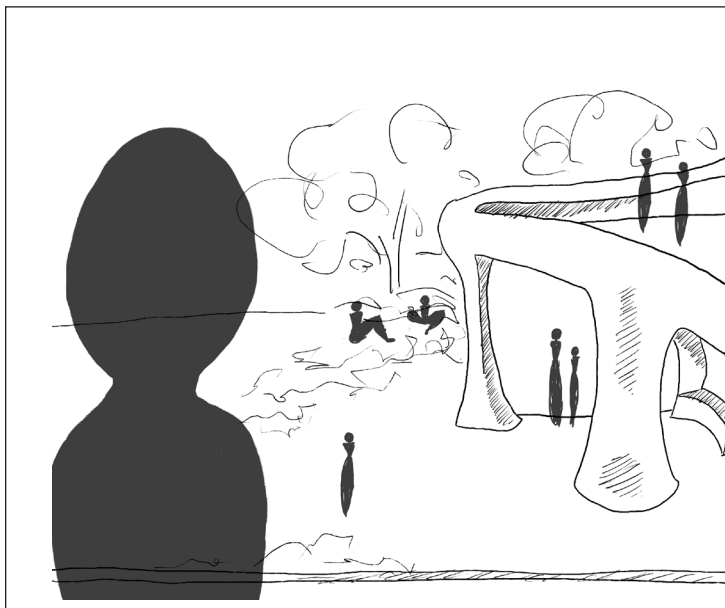
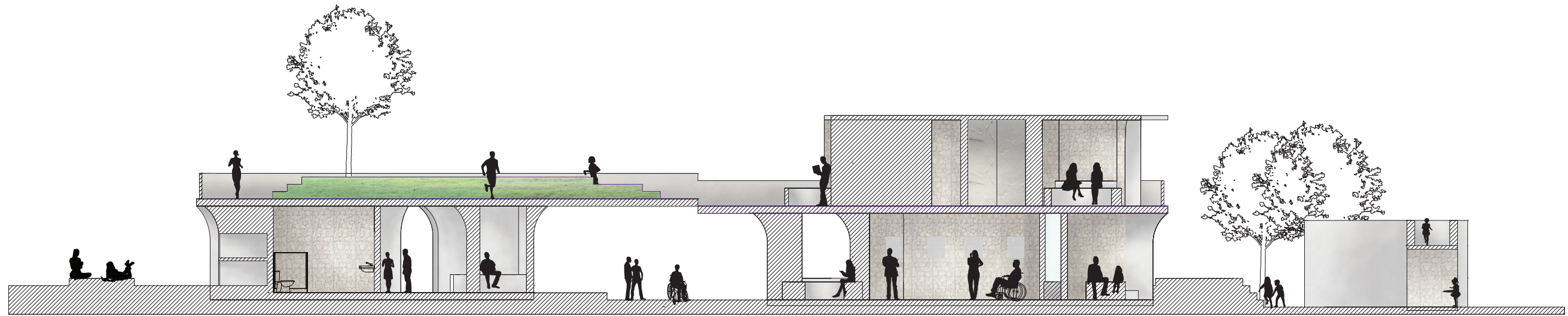
THIS DESIGN AND ITS SITE WERE MODELED IN RHINO. THAT MODEL WAS USED TO EITHER LASERCUT OR 3D PRINT THE MODEL (SHOWN ABOVE).

THE RHINO MODEL WAS ALSO USED TO GENERATE RENDERINGS (SEE PG 22) AS WELL AS CAD FILES USED TO CREATE THE PLANS AND SECTIONS. ALL WERE EDITED USING PHOTOSHOP AND ILLUSTRATOR.

WEST ELEVATION

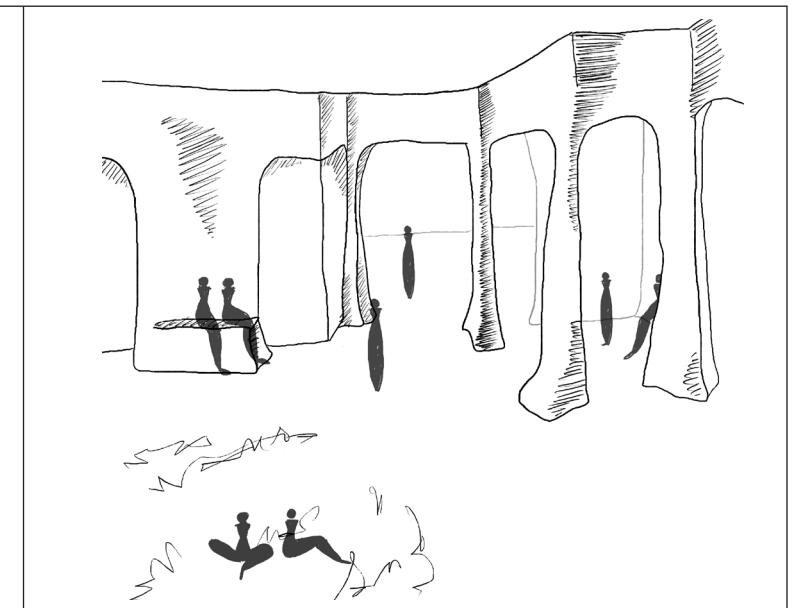


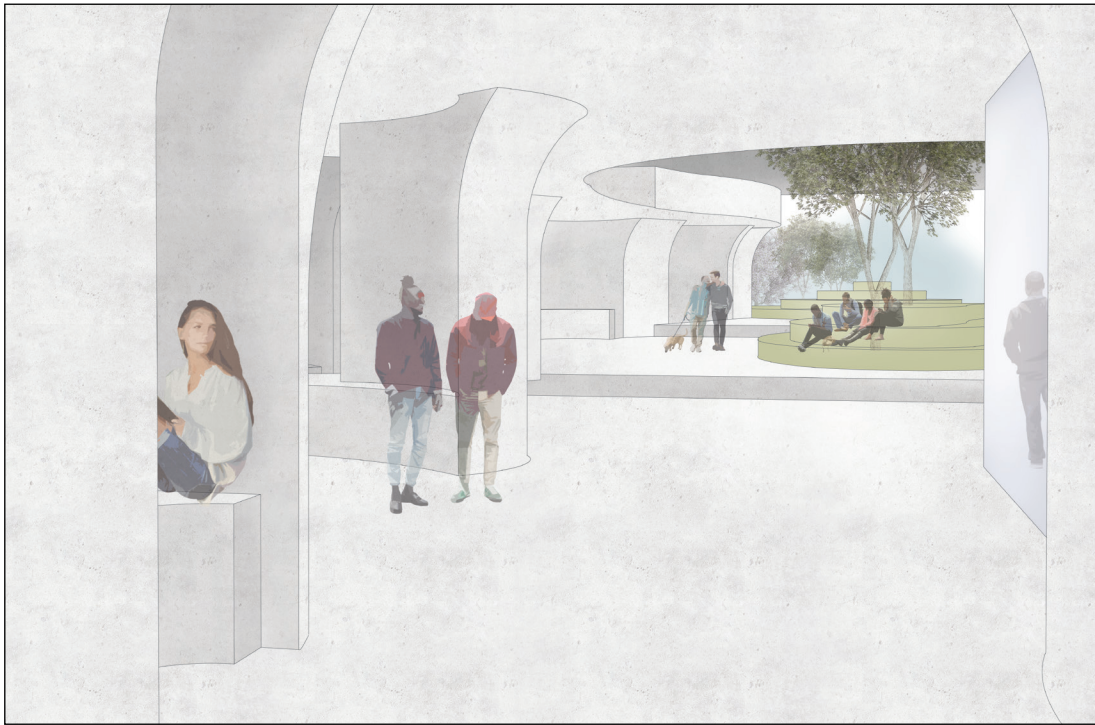
EAST SECTION



SKETCHING HELPS ME COMMUNICATE MY THOUGHTS. THROUGHOUT THE DESIGN PROCESS IT HELPS TO VISUALIZE IDEAS THROUGH SKETCHES. THESE ARE PERSPECTIVES LOOKING DOWN FROM THE SECOND LEVEL, STANDING ALONG THE SIDE OF THE EVENT SPACE, AND STANDING IN THE COURTYARD (LEFT TO RIGHT).

THE FINAL RENDERINGS FOR THIS PROJECT ARE ON THE FINAL PAGE OF THIS PORTFOLIO (PG 22).





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