Adaptive | Intuitive | Threshold

GEORGE ROZANSKY

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Portfolio

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Text: George F. Rozansky
Photos: George F. Rozansky
Digital Printing: Blurb, San Francisco, CA
Binding: Blurb, San Francisco, CA

Acknowledgements

Thank you to my family and friends who have supported me in my endeavors in the field of architecture.

Introduction

intuitively, I push the threshold of a project's parameters and space with new solutions.

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Projects

Live-Work Space in Mitte
Kleine Hamburger Str. 24
10115 Berlin Germany

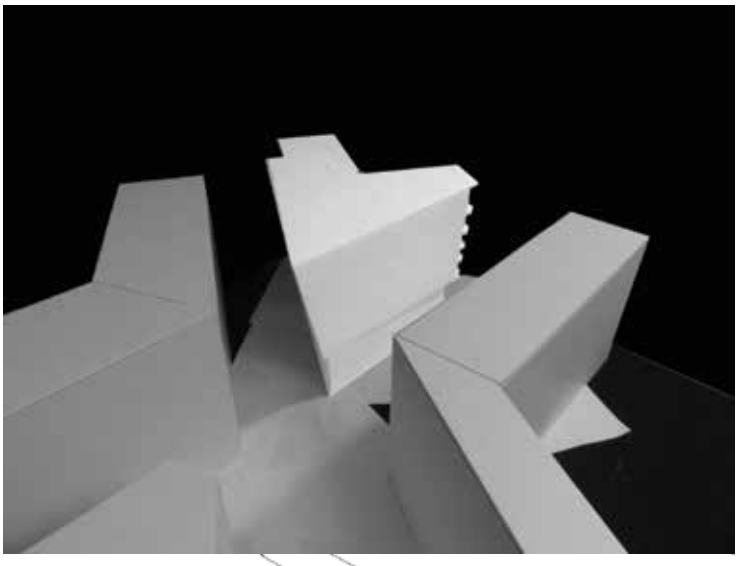
Introductory Design Studio 2
Fall 2016

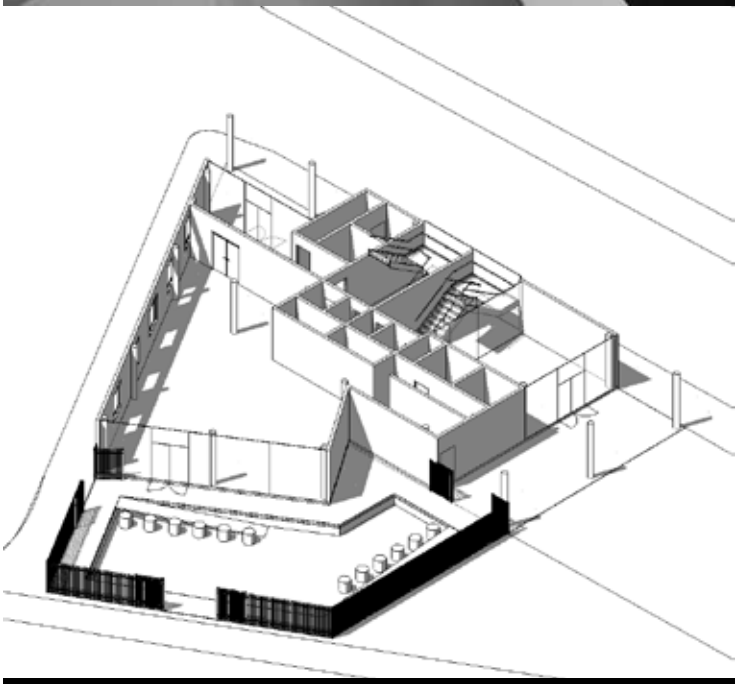
Problem

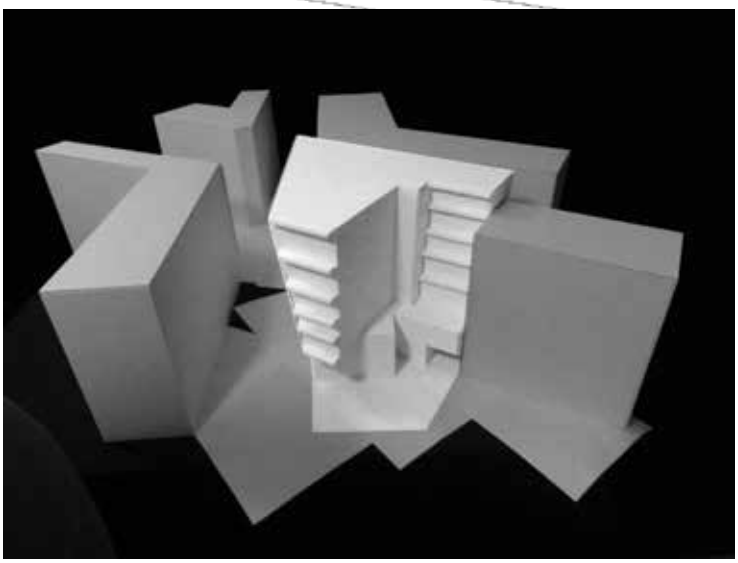
This prominent corner lot at the cross streets of Kleine Hamburger Strabe and Linienstrabe in Berlin, Germany, is an opportunity for a mixed-use building that brings the community and business together with education opportunities provided that certaincriterion be met for the height exemption.

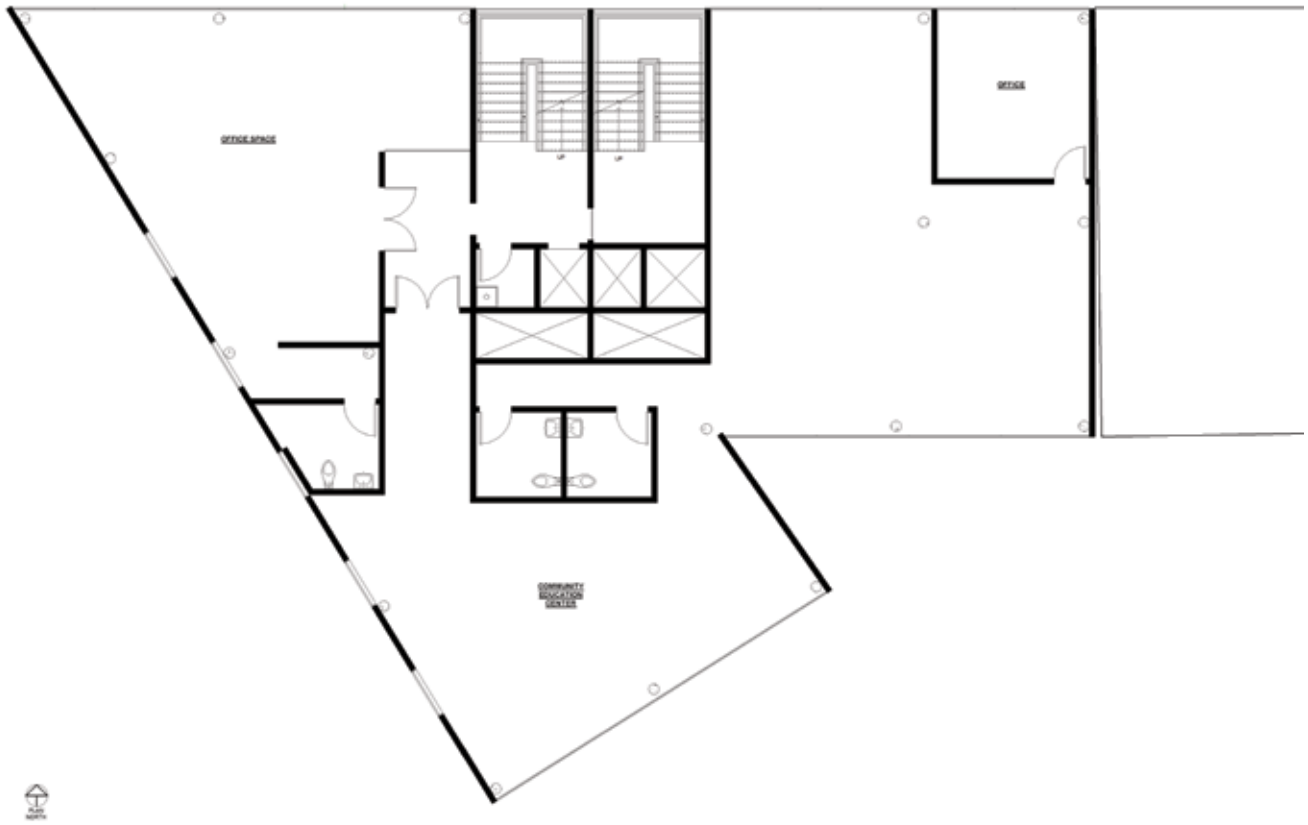
Solution

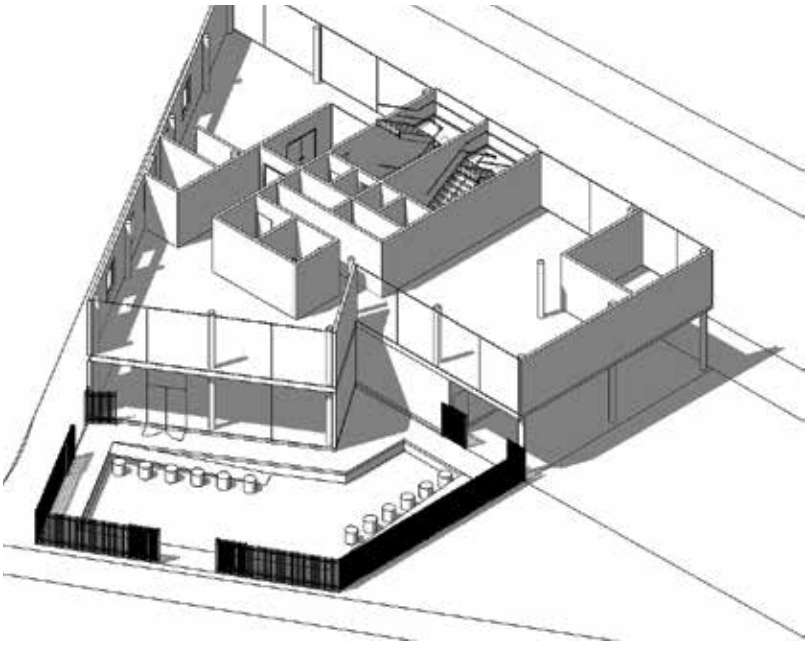
The building is to be high-end spaces for artists, education, and business. There exists an exemption for a 25 meter high building instead of the standard 22 meters. For this exemption, the building will entail a new city initiative for live-work studios, community education center, and daycare. Part of rents will be subsidized to attract artists and others that will benefit. For-profit businesses are included in the building height exemption as general office use space will be offered for lease. This programming allows for an attractive, long term presence. The close proximity to green spaces, transportation, and other businesses and residential areas foster interaction among different people and industries.

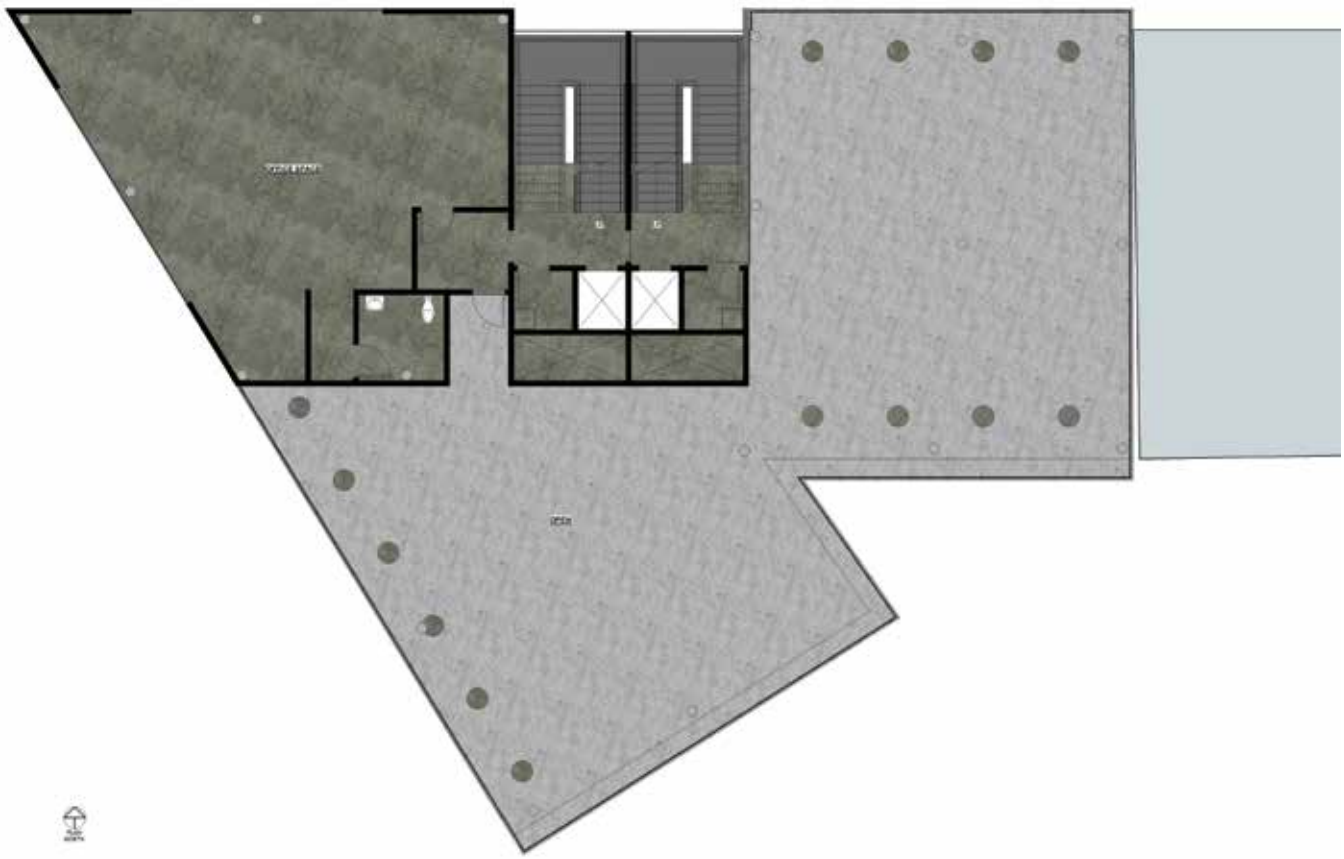


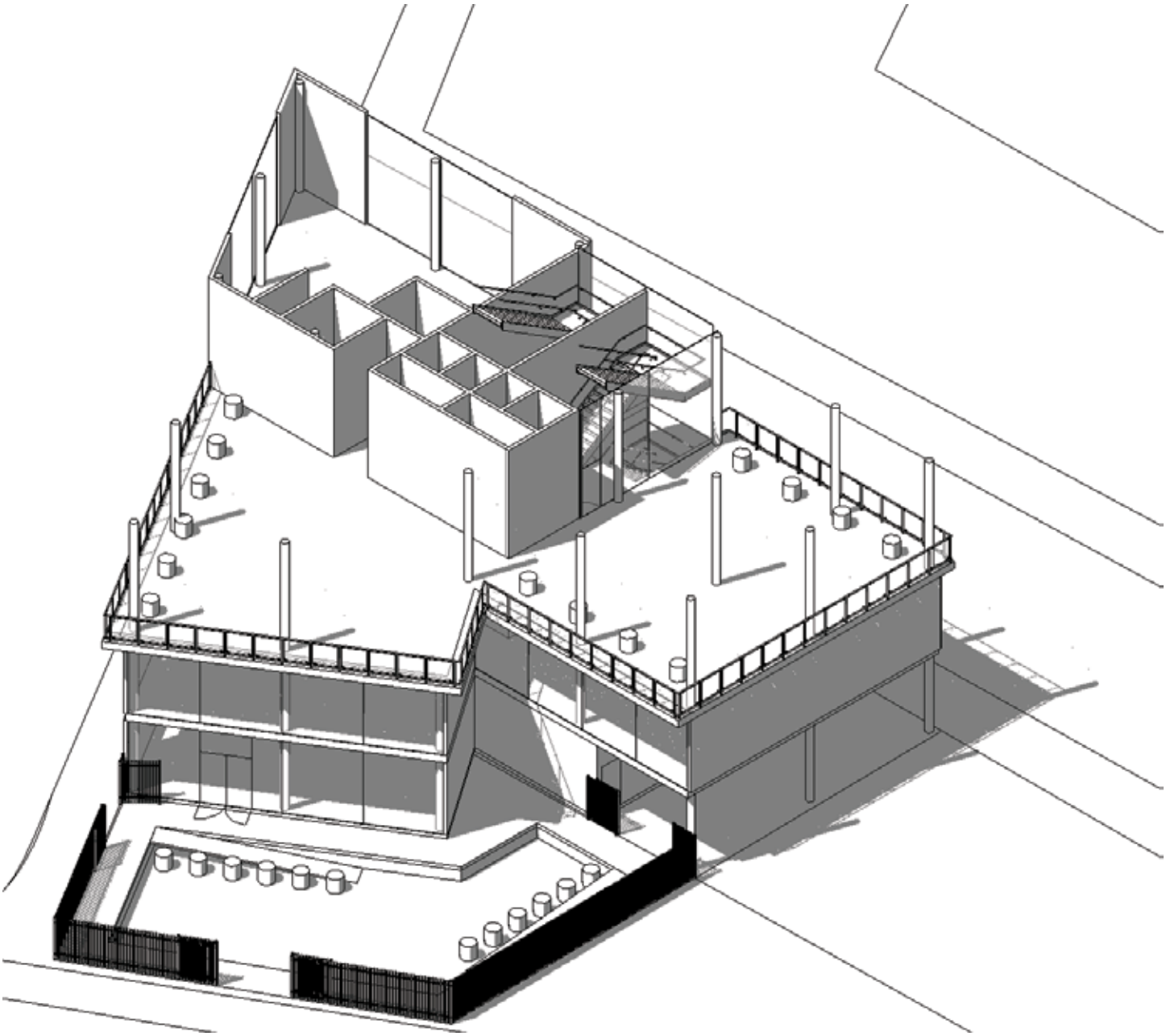




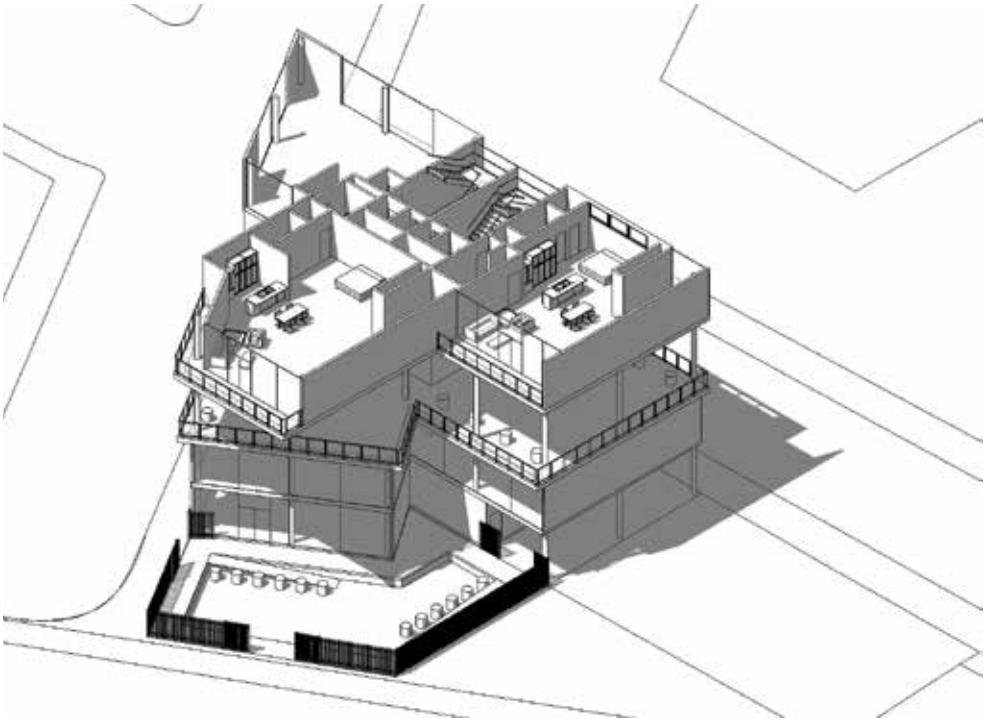

OFFICE SPACE
OFFICE

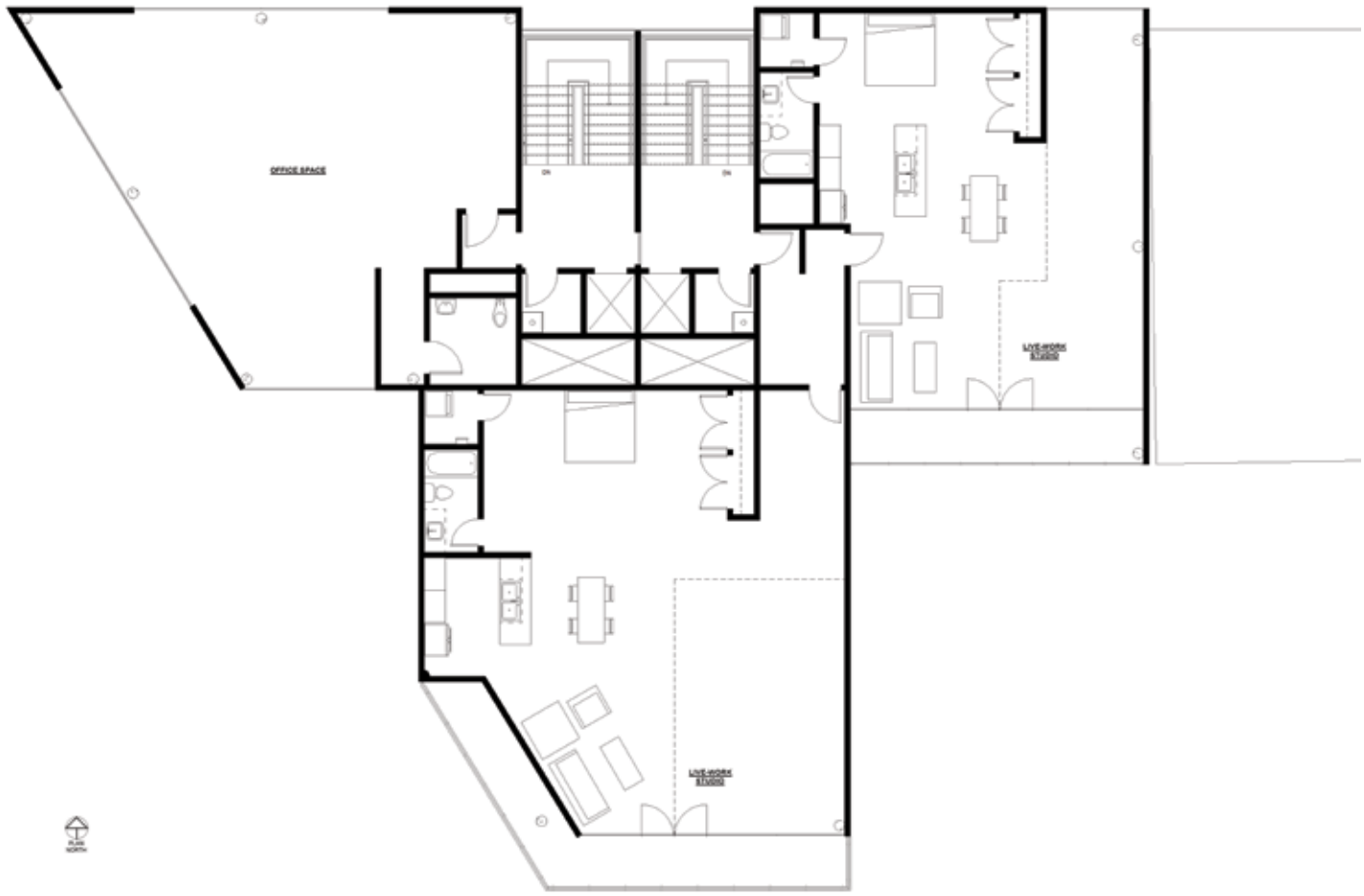


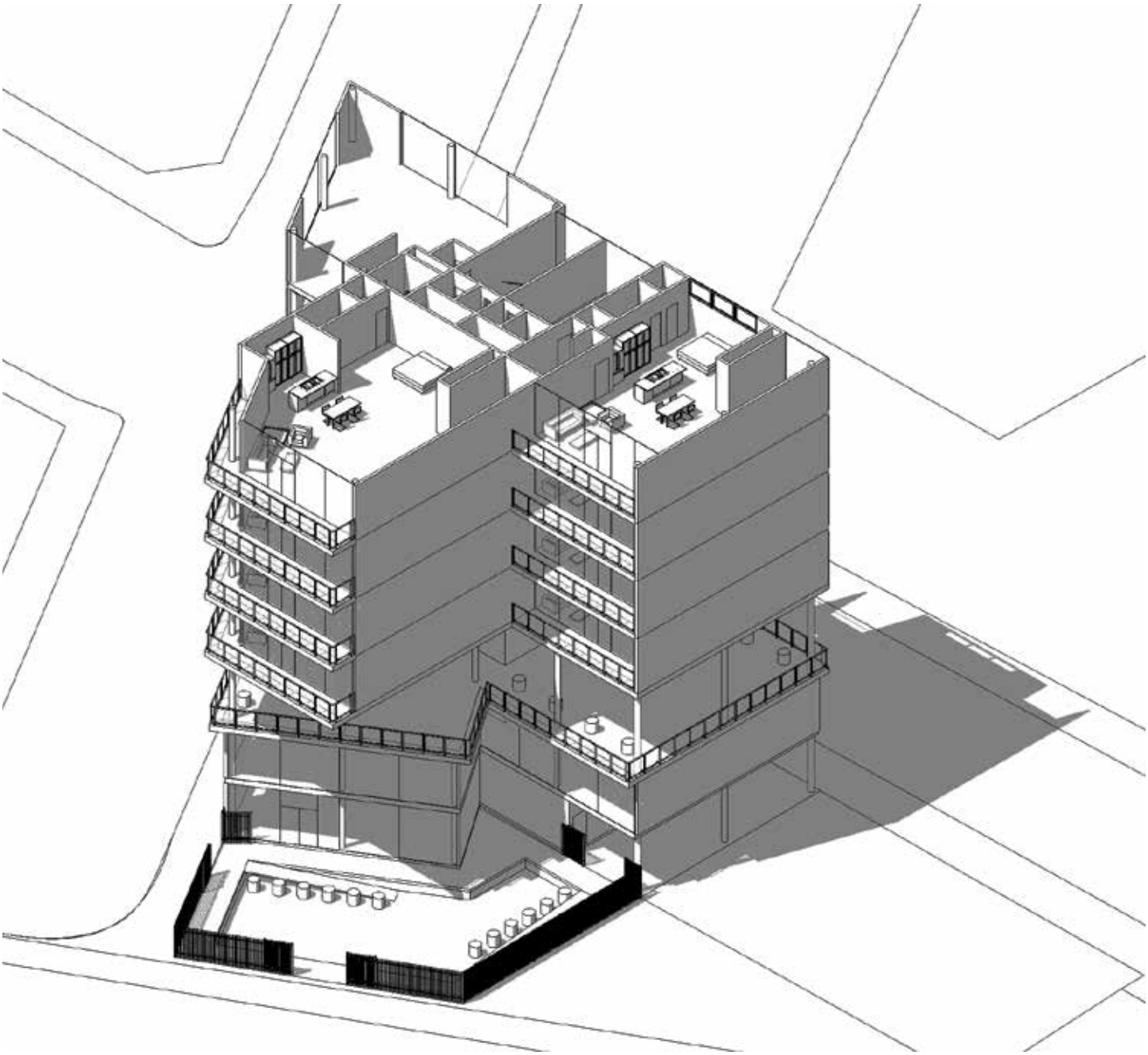


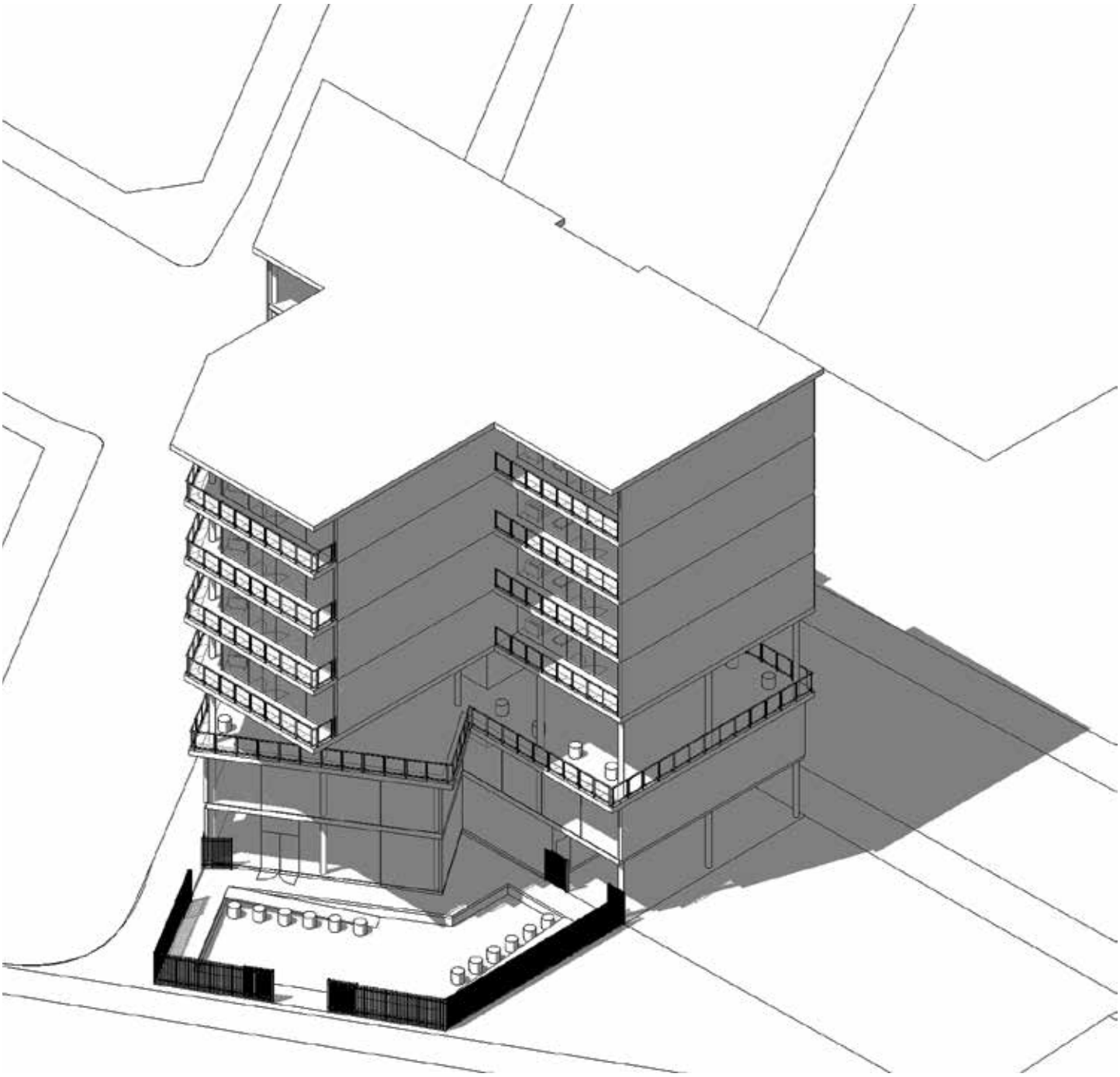


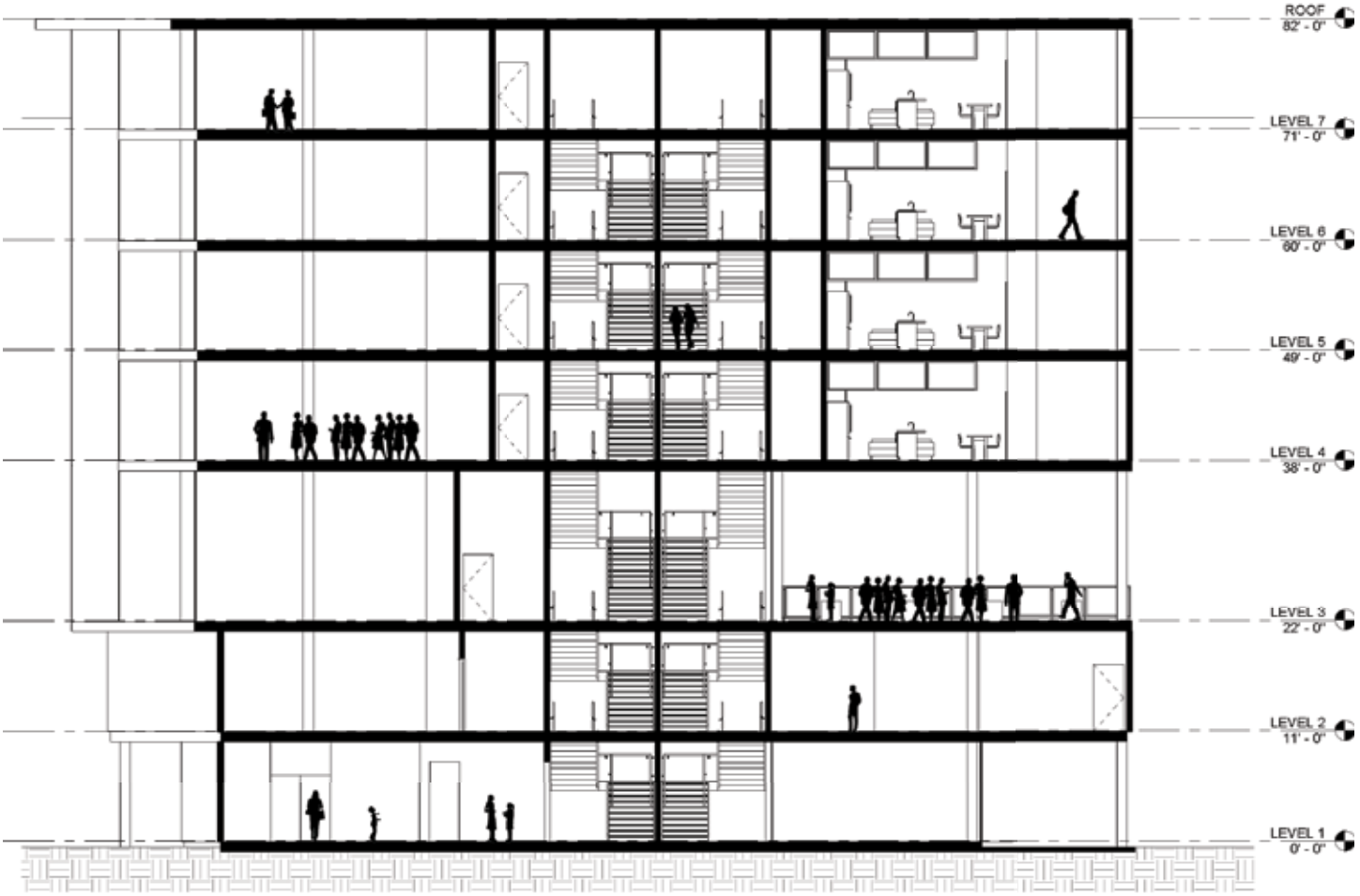

OFFICE SPACE
LIVE-WORK STUDIO
LIVE-WORK STUDIO

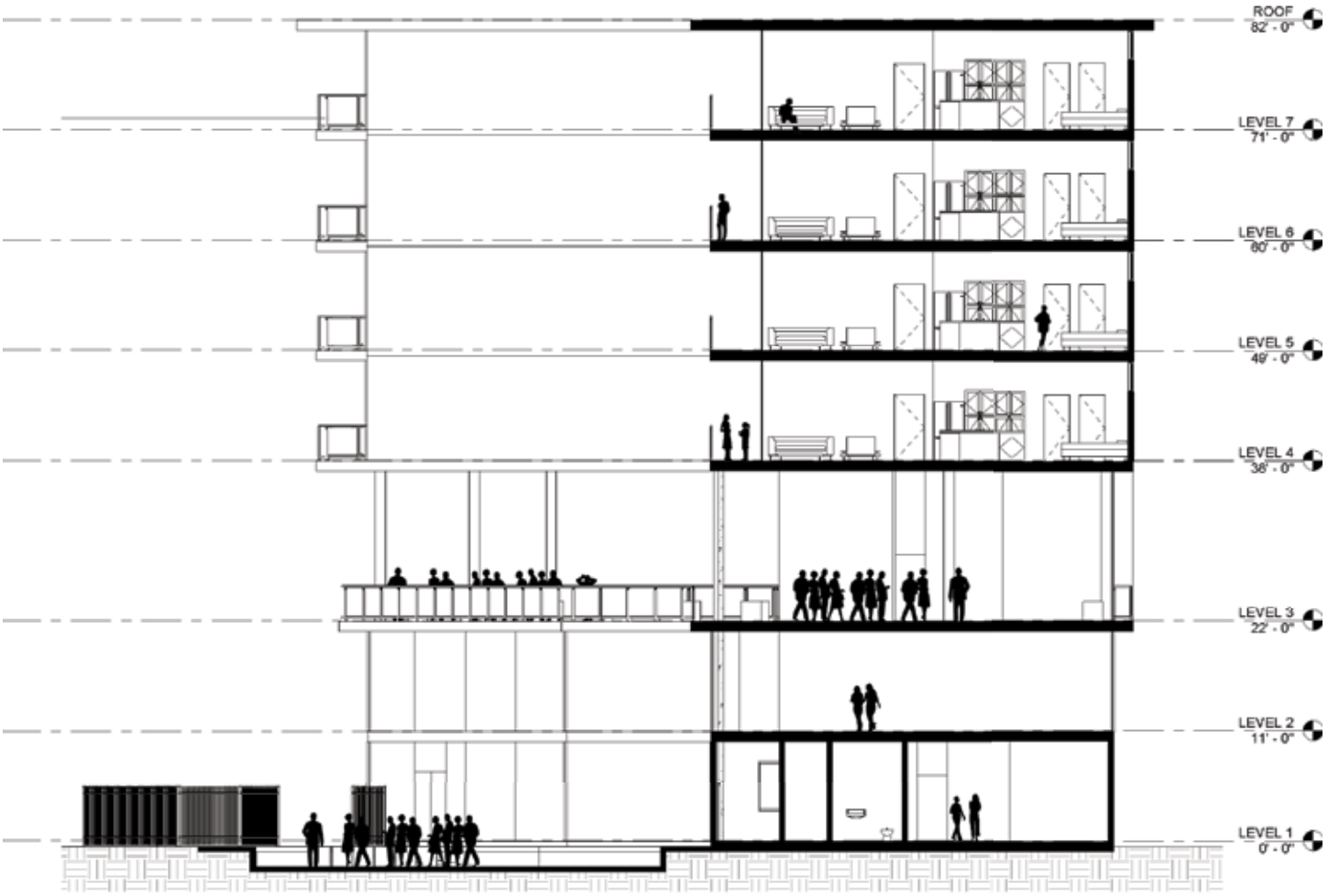



OFFICE SPACE
DN
DN
LIVE-WORK STUDIO
LIVE-WORK STUDIO






ROOF
82' - 0"
LEVEL 7
71' - 0"
LEVEL 6
60' - 0"
LEVEL 5
49' - 0"
LEVEL 4
38' - 0"
LEVEL 3
22' - 0"
LEVEL 2
11' - 0"
LEVEL 1
0' - 0"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LEVEL 4
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LEVEL 3
22' - 0"
LEVEL 2
11' - 0"
LEVEL 1
0' - 0"

An Artisan's Workshop
Golden Gate Park, Haight-Ashbury
San Francisco, CA, USA

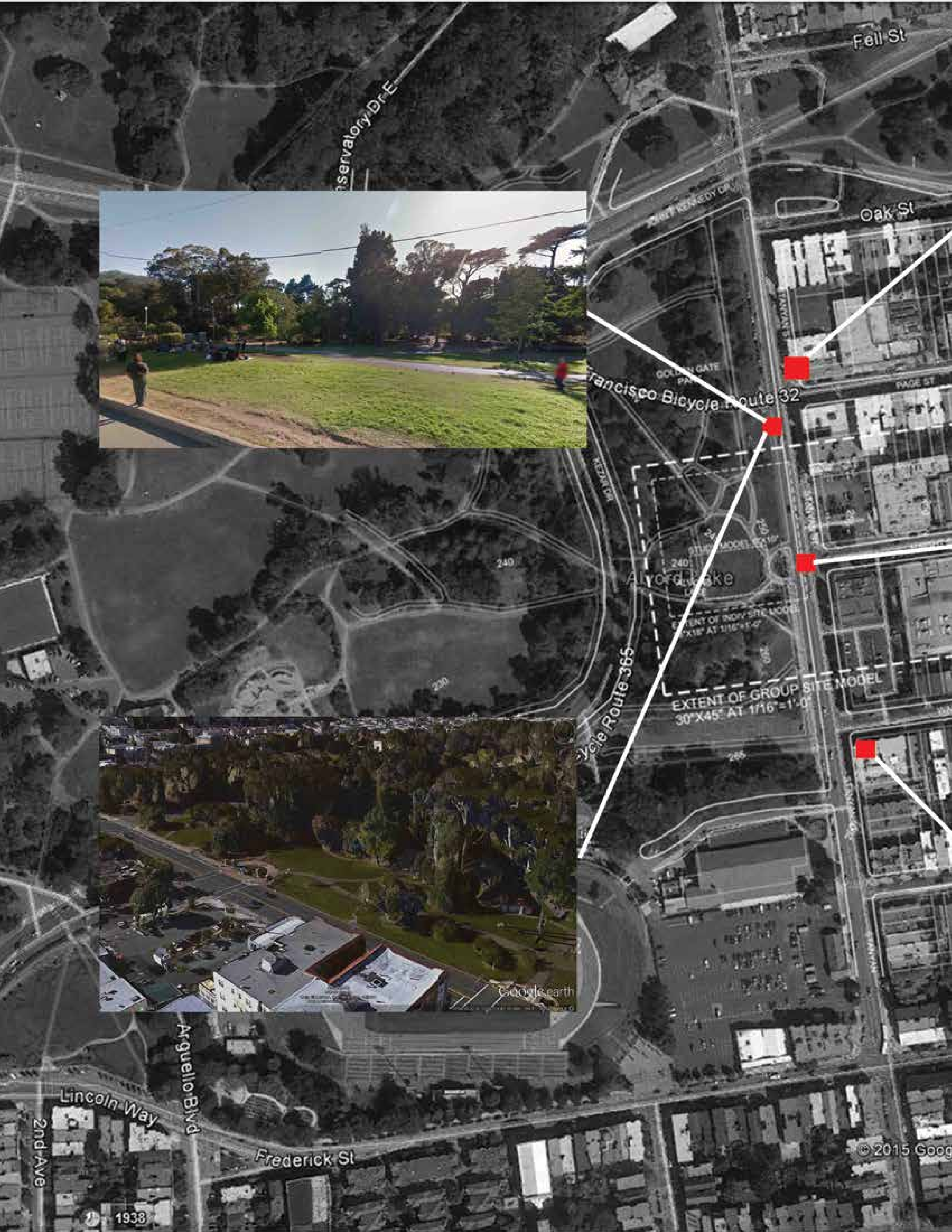
Introductory Design Studio 1
Fall 2015

Problem

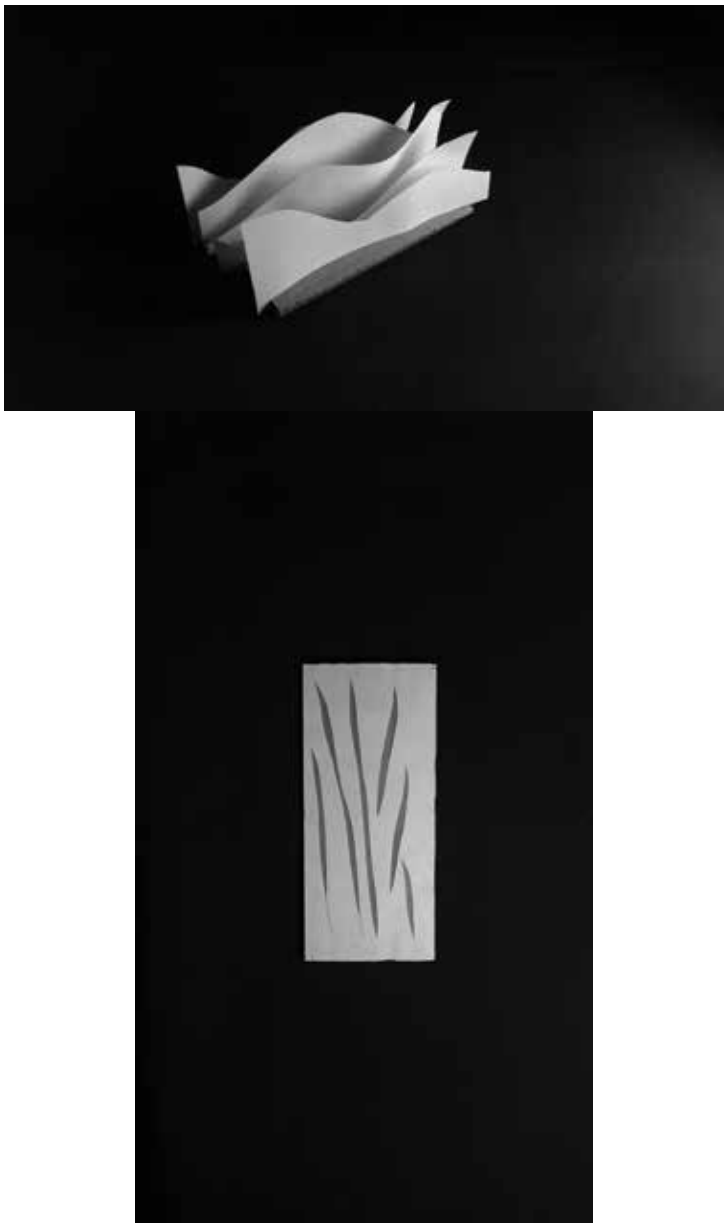
Inspired by the poem Riprap by Gary Snyder, a part of the eastern end of the Golden Gate Park is to become the canvas for a future artisan's workshop. The poem recalls a journey that an artist must go through in the creative process that can be embodied by a building and its placement on the land that also assist in carrying out this journey.

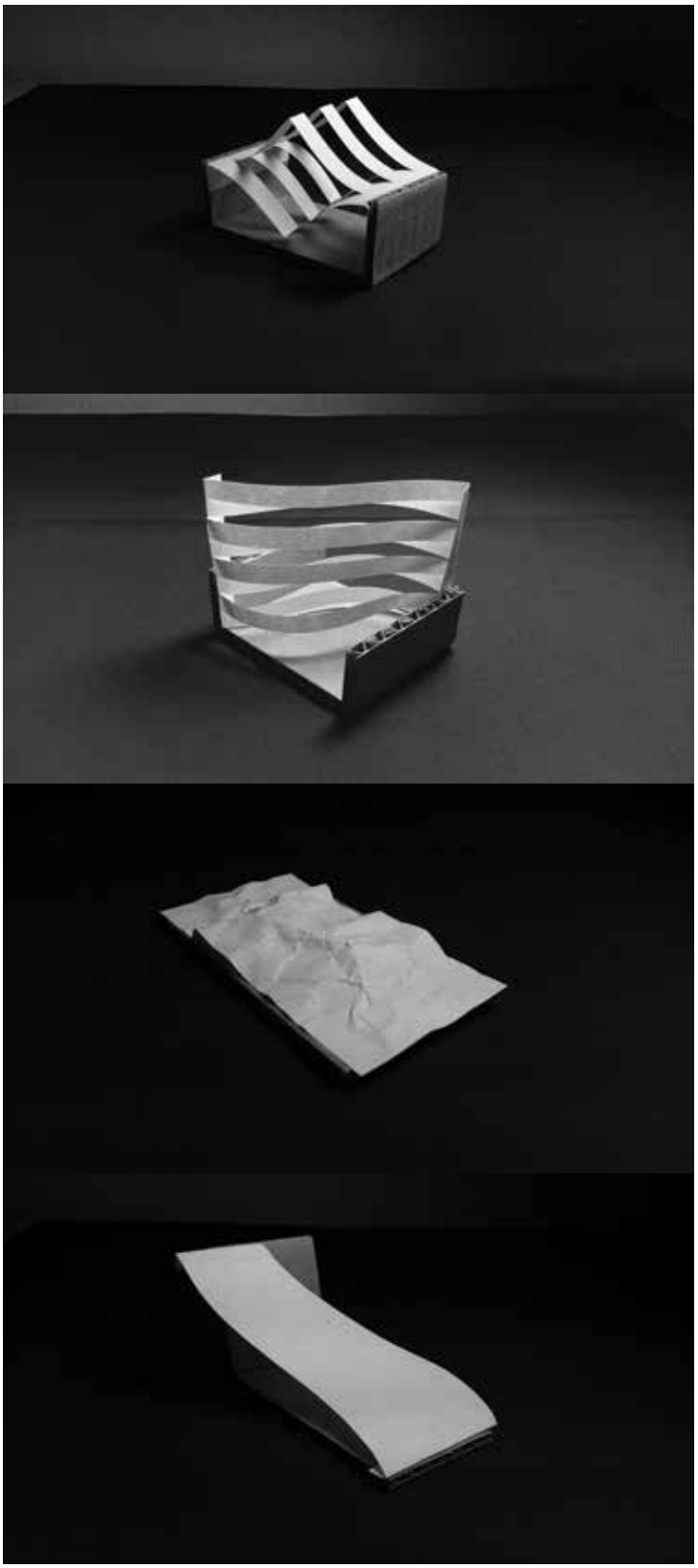
Solution

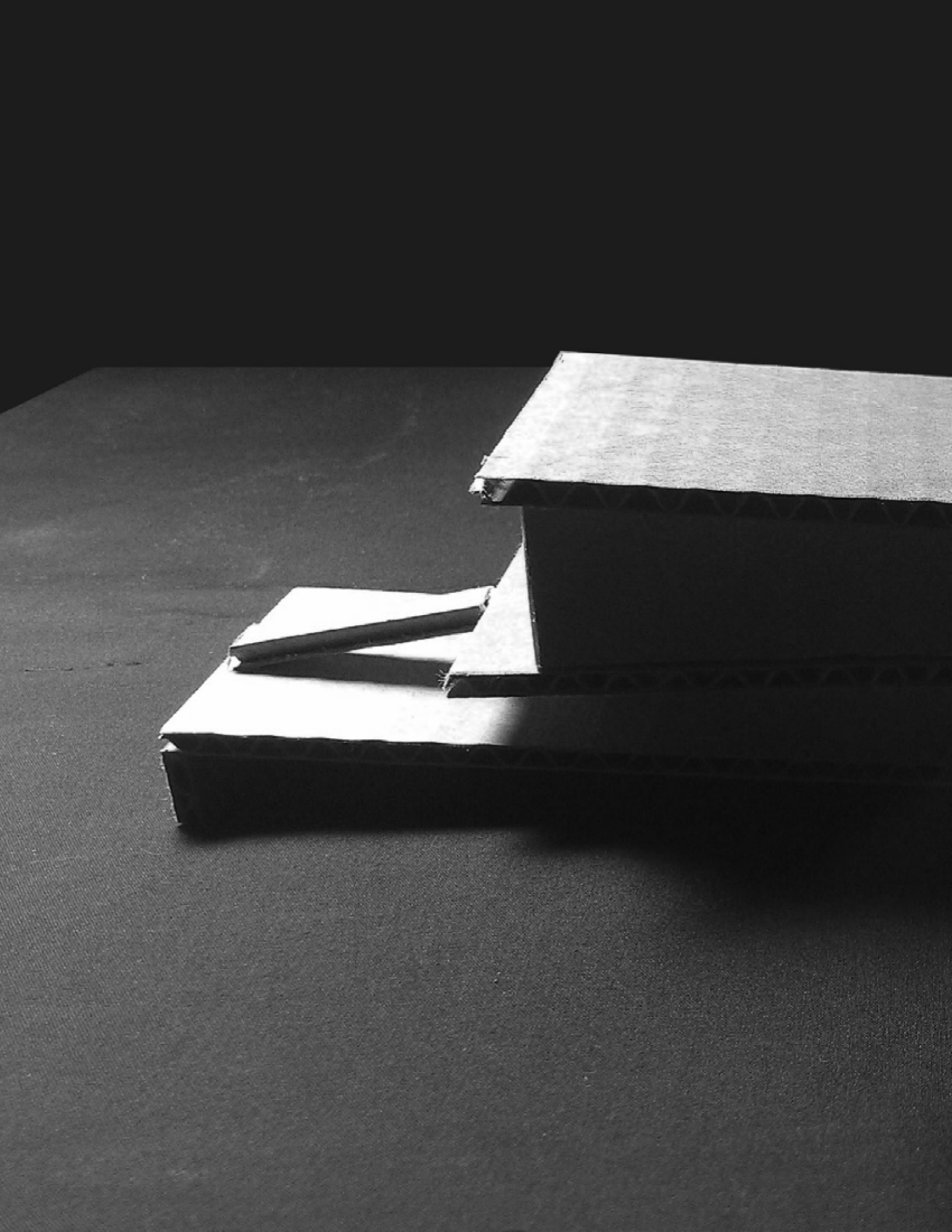
Woodworking is an ancient art that still is practiced today. albeit with modern tools and technology it has become more precise and accurate. It still requires an artist to have space to come up with ideas and plan their designs; store raw materials; prepare the material; work the material; moved off to the side to dry after being glued, painted, or stained and awaiting the next step; and to be stored until removedfrom the building to be placed elsewhere. The community aspect of the programming for my project is the ability for the public to come into the gallery and get close to the woodworkers but not completely invade the process of the artist.

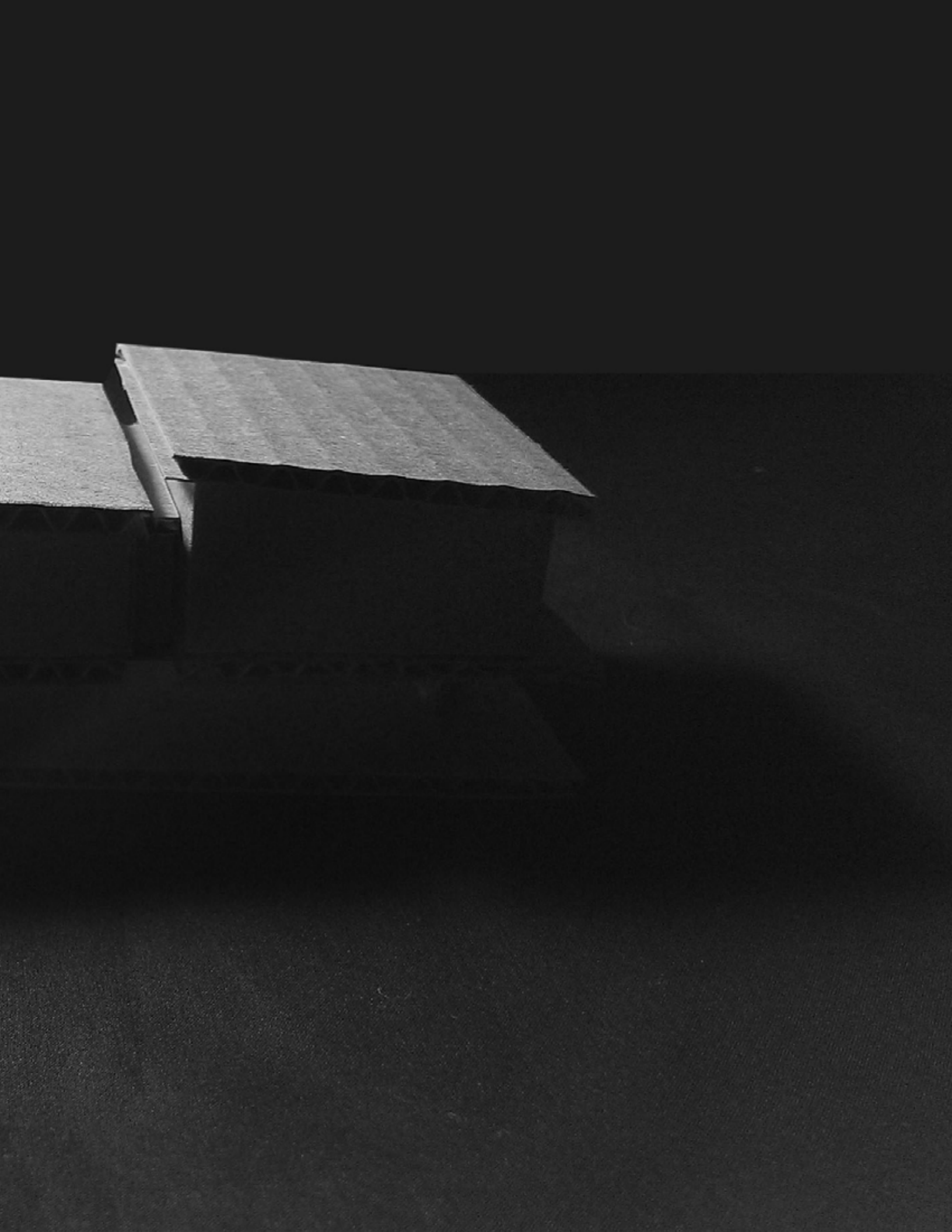

Fell St
Conservatory Dr E
Oak St
rancisco Bicycle Route 32
PAGE ST
240
240
230
265
Bicycle Route 365
EXTENT OF GROUP SITE MODEL
30"X45" AT 1/16"=1'-0"
Lincoln Way
Arguello Blvd
2nd Ave
Frederick St
© 2015 Goog
1938
Google earth

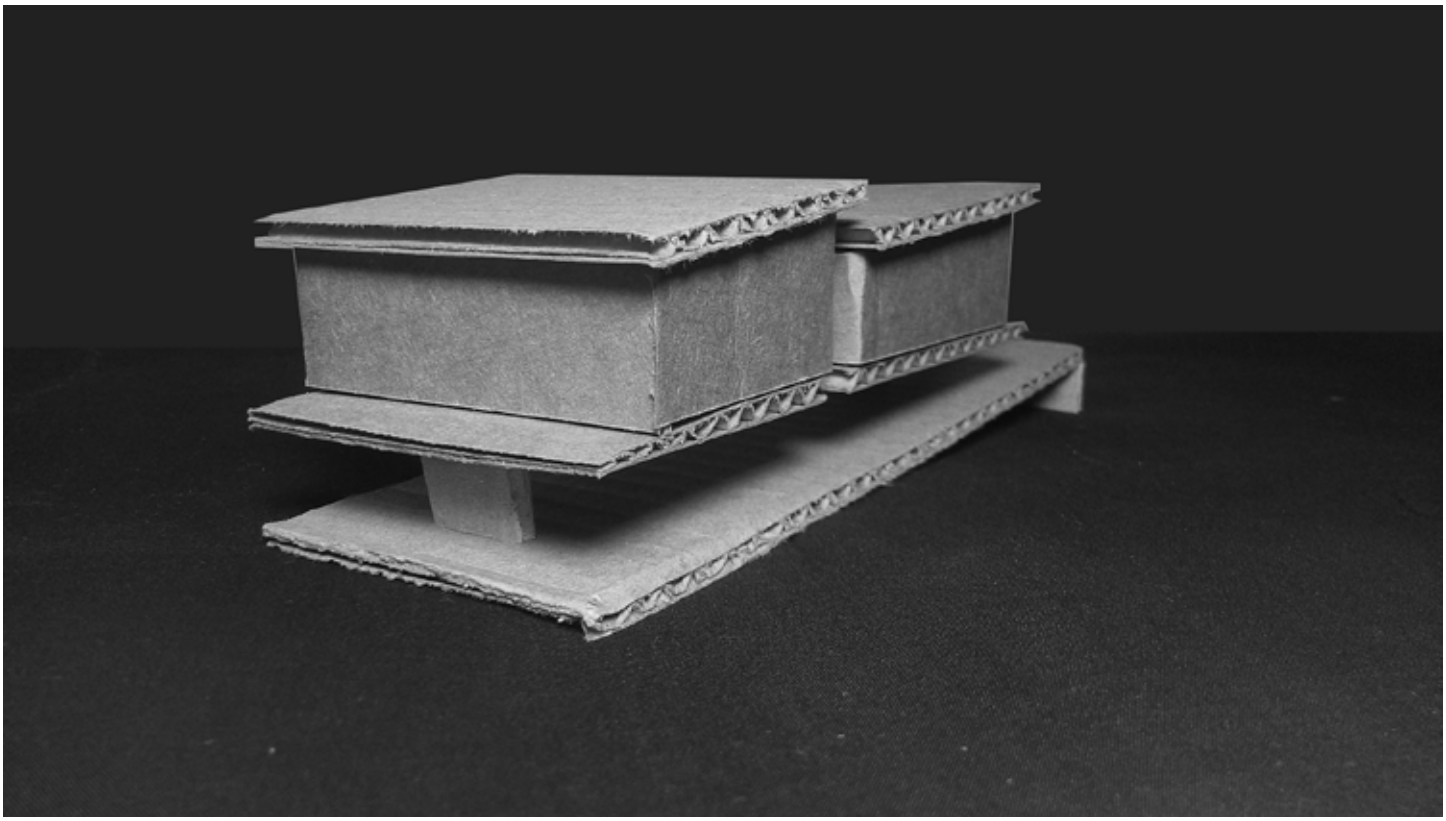

San Francisco Bicycle Route 30
Page St
Cole
Clayton St
Downey St
Ashbury St
Carl St
Google earth
Imagery Date: 3/28/2015 37°46'07.97" N 122°27'10.04" W elev 300 ft eye alt 3783 ft

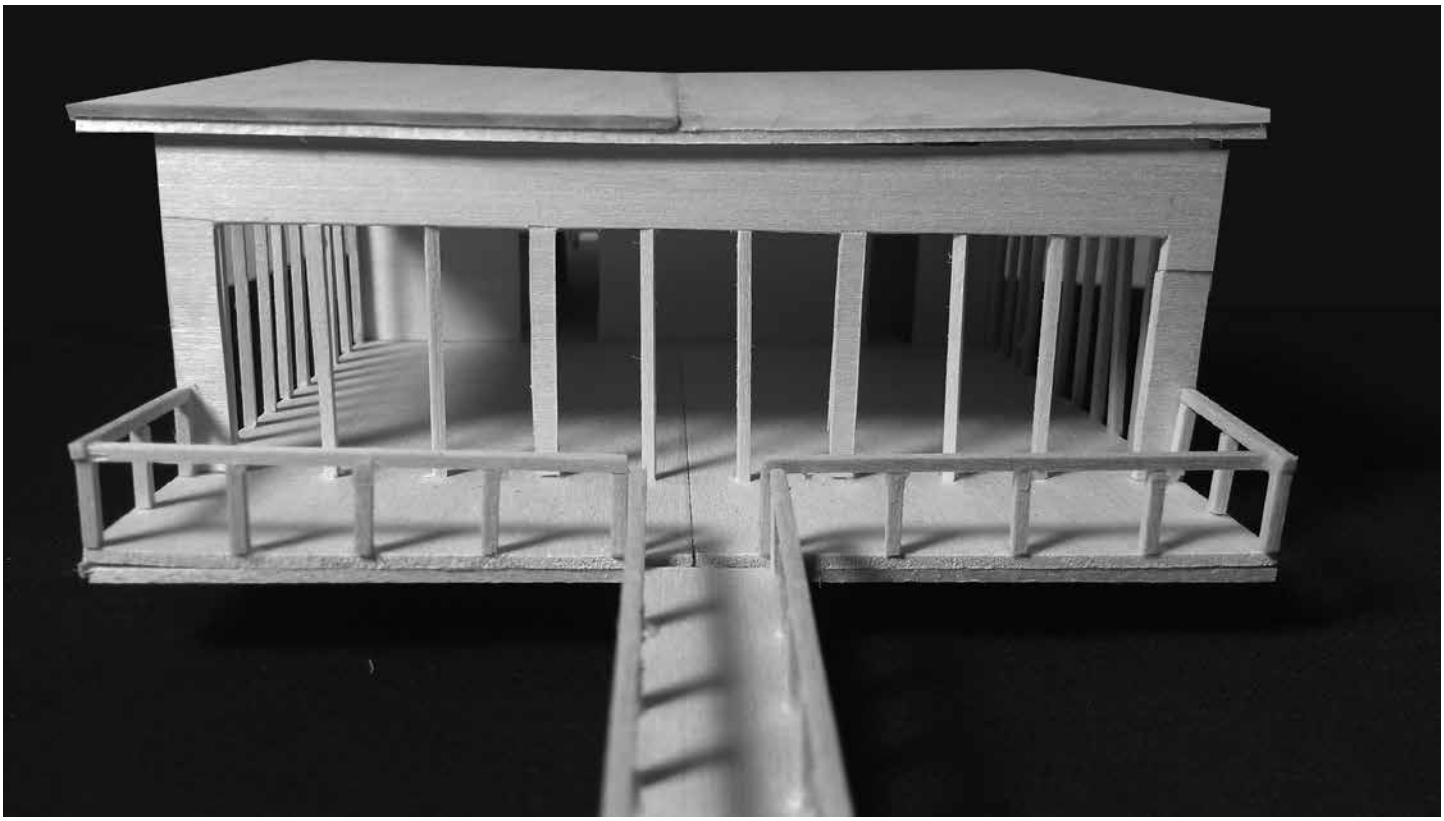


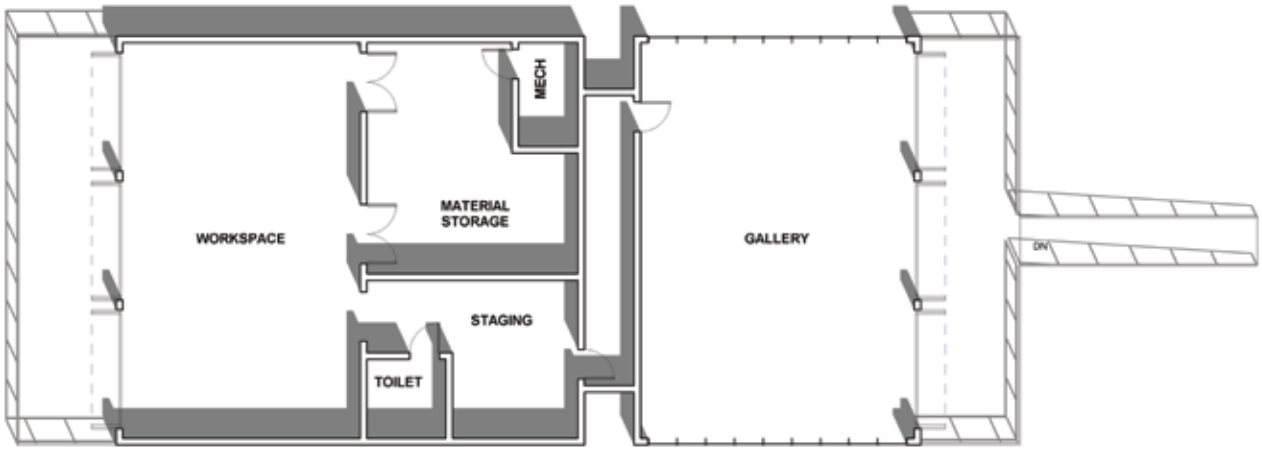


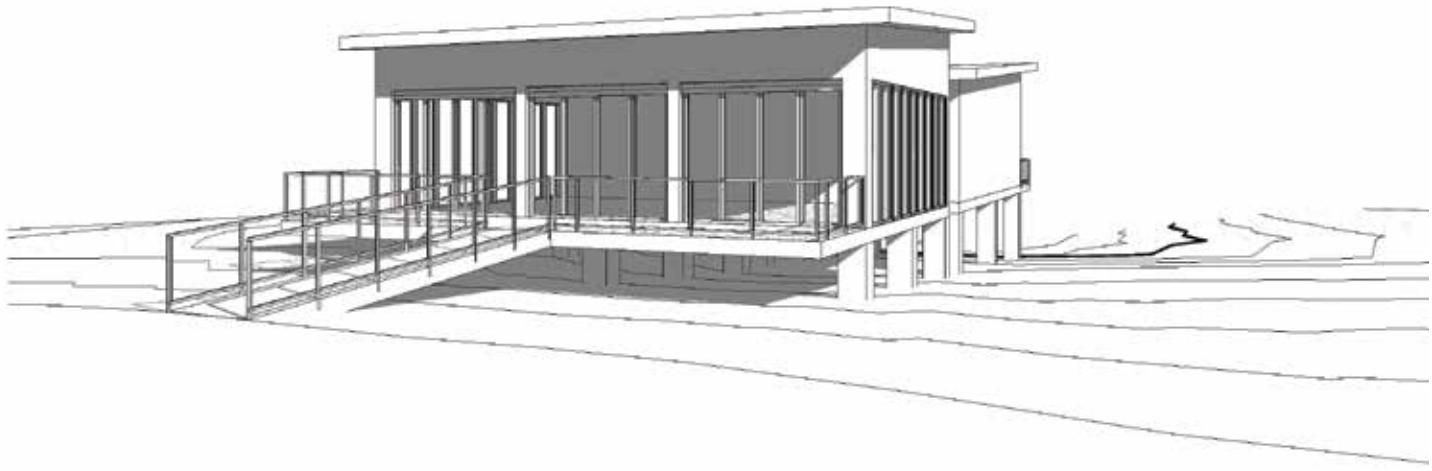


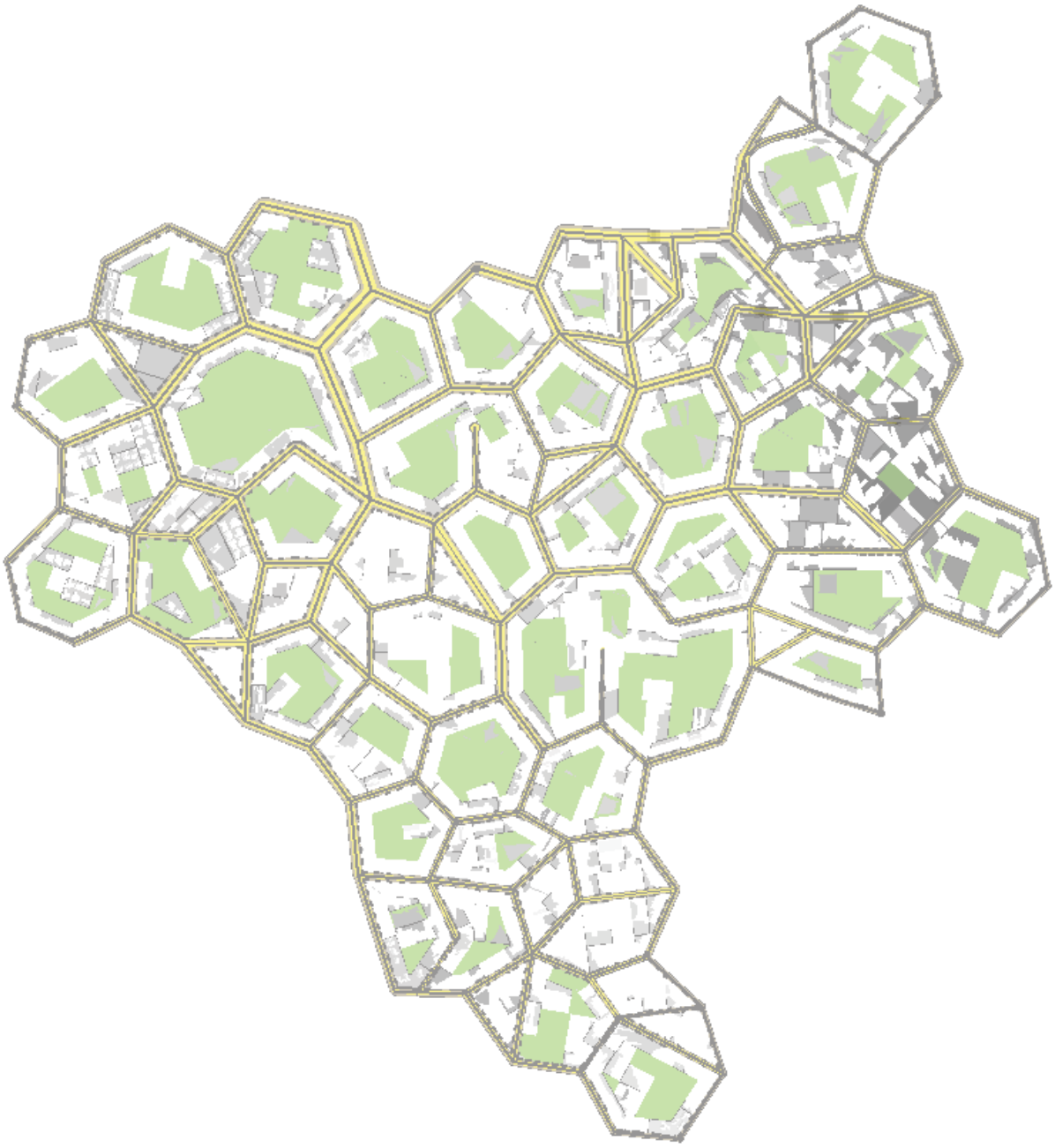







MECH
MATERIAL
STORAGE
WORKSPACE
GALLERY
DN
STAGING
TOILET





City as a Selfie

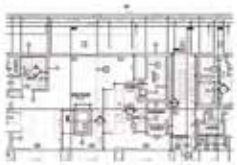
Digitally Generated Morphology
Fall 2016

Problem

The challenge for this project was to explore different aspects of a city and how it may be organized and how to start to develop some solutions to create something new. We were asked to create a mood board, explore iterations and transformations, explore 3D modeling, diagramming, story boards, lighting and material, photography, rendering, and animation.

Solution

After analyzing an urban setting and combining my previous architecture education up to this point, I was to combine my skills and analysis to explore how I might create a city. The resulting work culminated into a 3D animation of the overarching idea of what a city might look like as it is organized as a reflection of myself.


TAMA



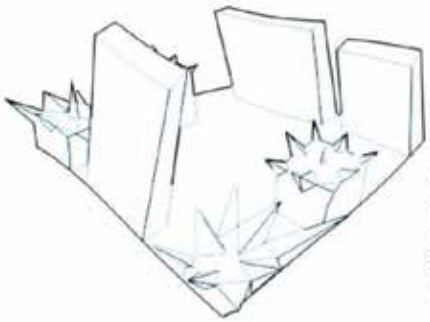
N310CA








TAMA



WAITING ROOM

QUIET
SMALL CONVERSATIONS
RECEPTIONIST DESK
DOOR TO BACK OFFICES
UNNATURAL LIGHT
COOL TEMPERATURE
CARPET
WOOD FURNITURE
PATTERNED CUSHIONS

COURTYARD

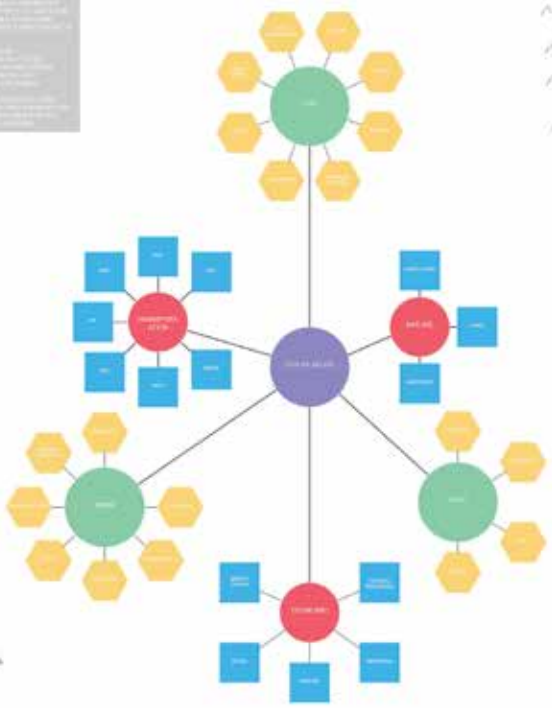
PEOPLE MOVING THROUGH AND CONVERSATIONS
NATURAL LIGHT WITH SHADED AREAS
RARE CONCRETE WALKING SURFACES
WARM TEMPERATURES
BREEZE
DISTANT SOUNDS OF DOORS CLOSING
CONTAINER WITH PASSAGES WITH EYES CLOSED
AREA IS DRY

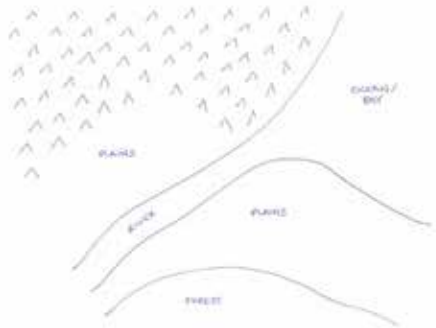
WAREHOUSE CLUB

BURSTS OF TRAFFIC AND CONVERSATIONS
COLDER WITH LIGHT DRAFT
SPEAKERS WITH MUSIC AND ANNOUNCEMENTS
RARE CONCRETE FLOORS
HIGH CEILINGS
SKYLIGHTS MIXED WITH ARTIFICIAL LIGHT
SMELL OF FOOD OR CLEANING SUPPLIES
ECHOES

PARK

NATURAL LIGHT
BIKE RIDERS
SOUNDS OF TREES MOVING IN THE WIND
WARM WITH A COOL BREEZE
SOFT GRASS AND GROUND
GREEN COLOR WITH BROWN BRANCHES
OCCASIONAL SOUNDS OF PEOPLE COMMUNICATING
PEOPLE MOVING ABOUT AND PLAYING SPORTS
WIDE OPEN EXPERIENCE IN THE WIND
WET SPOTS FROM IRRIGATION OR PRECIPITATION

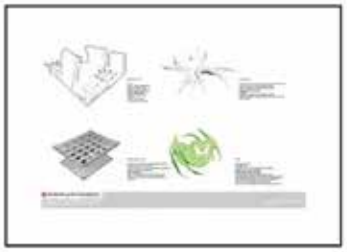




SHOT 1 - TITLE APPEARS WITH A TYPEWRITER TRANSITION FROM A BLANK SCREEN. IT DISAPPEARS TO A BLANK SCREEN.

SHOT 2 - OPENING CREDITS APPEAR ONE LINE AT A TIME, AND THEN DISAPPEAR AS THE MUSIC BEGINS.

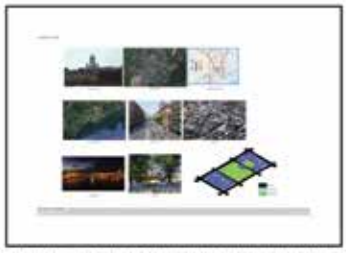
SHOT 3 - ASSEMBLY OF 11 SCALES INTO VIEW AND HOLDS. EACH CLUSTER'S TITLE IS NAMED WHILE ON APPEARS.



SHOT 4 - SLIDE SCALES INTO VIEW AND EACH CLUSTER'S TITLE FADES ON TO HOLD. SLIDE TRANSITIONS TO A BLANK BACKGROUND.

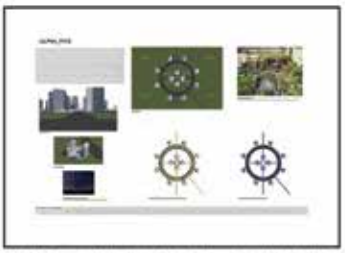
SHOT 5 - SLIDE TRANSITIONS IN FROM OUTSIDE THE SHOT AND SCALES UP REVEALING EACH ITEM REVEALING TO GREEN FABRIC STUDY OF THIS LOCATION. SHOT IS HELD SO IT CAN BE VIEWED. VIEW TRANSITIONS TO BLANK.

SHOT 6 - SLIDE TRANSITIONS IN FROM OUTSIDE THE SHOT AND SCALES UP REVEALING EACH ITEM REVEALING TO GREEN FABRIC STUDY OF THIS LOCATION. SHOT IS HELD SO IT CAN BE VIEWED. VIEW TRANSITIONS TO BLANK.

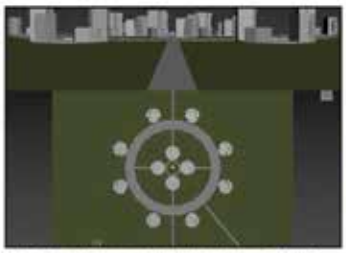


SHOT 7 - SLIDE TRANSITIONS IN FROM OUTSIDE THE SHOT AND SCALES UP REVEALING EACH ITEM REVEALING TO GREEN FABRIC STUDY OF THIS LOCATION. SHOT IS HELD SO IT CAN BE VIEWED. VIEW TRANSITIONS TO BLANK.

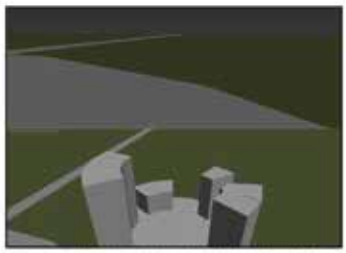
SHOT 8 - SLIDE TRANSITIONS IN FROM OUTSIDE THE SHOT AND SCALES UP REVEALING EACH ITEM REVEALING TO GREEN FABRIC STUDY OF THIS LOCATION. SHOT IS HELD SO IT CAN BE VIEWED. VIEW TRANSITIONS TO BLANK.



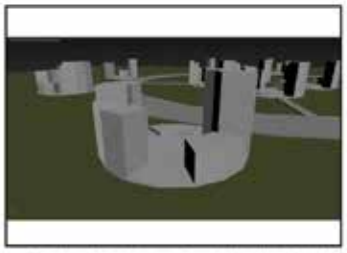
SHOT 9 - SLIDE TRANSITIONS IN FROM OUTSIDE THE SHOT AND SCALES UP REVEALING EACH ITEM REVEALING TO GREEN FABRIC STUDY OF THIS LOCATION. SHOT IS HELD SO IT CAN BE VIEWED. VIEW TRANSITIONS TO BLANK.



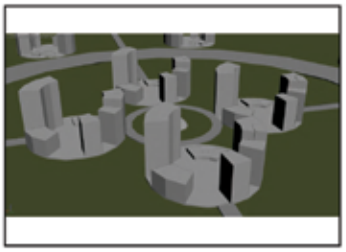
SHOT 10 - WIDE TO FULL SHOT TRANSITION TO HIGH ANGLE SHOT, HOVERING ABOVE ROAD AS VINEYARDS. THE CITY IS FADED AND CLUSTER SHIFTS TO A TOP DOWN VIEW SHOWING THE LAYOUT. MUSIC VOLUME BECOMES LOUDER TO FULL IN THE BACKGROUND.



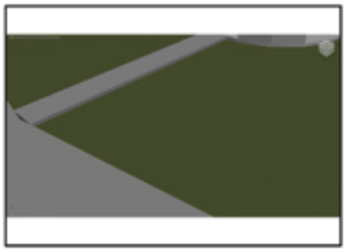
SHOT 11 - MEDIUM CLOSE-UP CAMERA MOVES BACK TO ROAD AND BEGINS TO APPROACH A CLUSTER THAT STARTS TO TRANSFORM AS THEY ARE BEING CONSTRUCTED AS THE CAMERA APPROACH. MUSIC IS AT VOLUME AND TEMPO FOR THE DURATION OF THE EXPLORATORY MOVEMENT.



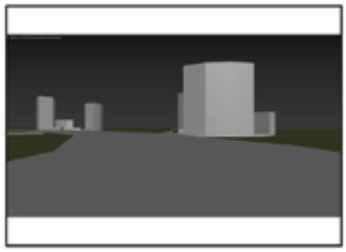
SHOT 12 - MEDIUM SHOT. CLUSTER IS NOW FULLY DEVELOPED AND CAMERA IS MOVING AROUND THE PERIMETER. ITS SHAPE AND ORGANIZATION CAN BE SEE AS A WHOLE.



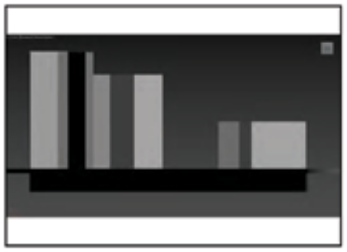
SHOT 13 - MEDIUM WIDE SHOT. VIEW MOVES AWAY FROM CLUSTER TO SHOW OTHER CLUSTERS EVOLVING FROM NOTHING AS THEY APPEAR IN THE VIEW.



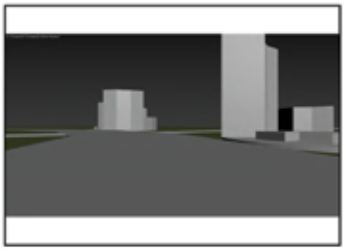
SHOT 14 - CLOSE-UP. EXPLORE THE AGRICULTURE AREAS SHOWING MOVEMENT OF CROPS GROWING AND BEING HARVESTED. SUN POSITION PROGRESSES TO ABOUT NOON.



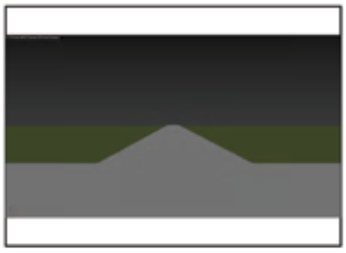
SHOT 15 - MEDIUM SHOT. CIRCULATION BEING SHOWN WITH VEHICULAR TRAFFIC AND POSSIBLE PEDESTRIAN MOVING AROUND AS THE CAMERA SHOWS RESIDENTIAL AREAS AND THE TRANSITION TO THE CIRCULAR ROAD THAT ALLOWS EASE OF MOVING FROM CLUSTER TO CLUSTER.



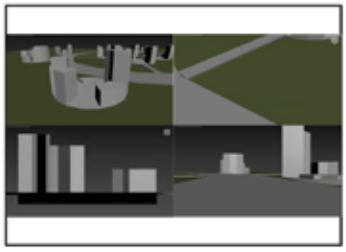
SHOT 16 - CLOSE-UP. FOCUS SHIFTS TO A CROSS SECTION OF A CLUSTER OPERATING AS USUAL AND THEN BACK TO THE ROAD AS THE SUN IS MOVING DOWN TOWARD DUSK.



SHOT 17 - MEDIUM TO FULL SHOT. CAMERA OVER THE ROAD AFTER LEAVING A CLUSTER HEADS TOWARD THE EDGE OF THE CITY AT DUSK.



SHOT 18 - VIEW IS THAT OF LEAVING THE CITY AT NIGHT AS VIEW TRANSITIONS TO A BLANK SCREEN. MUSIC COMPLETES AND TRANSITIONS TO QUIET BACKGROUND MUSIC.

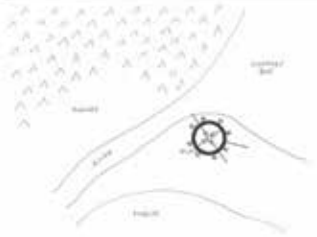


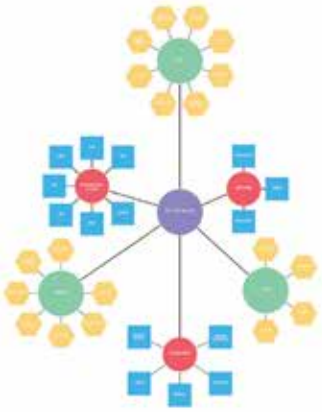
SHOT 19 - SLIDESHOW OF DIFFERENT RENDERINGS SHOWING USE OF DIFFERENT AREAS OF THE CITY. USE OF DIFFERENT TRANSITION INTO THIS SHOT AND TRANSITION OUT TO THE CREDITS.

SHOT 20 - MUSIC CREDIT TRANSITIONS FROM OFF SCREEN.

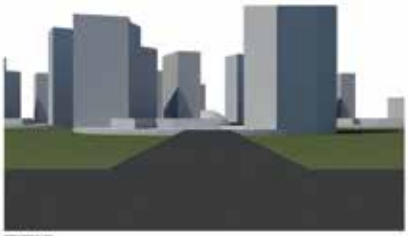
SHOT 21 - CLOSING CREDITS SHOWS THEN TRANSITIONS OUT.

ALPHA_FIVE





ALPHA_FIVE




LUMION
student version


LUMION
student version


LUMION
student version


LUMION
student version


LUMION
student version

Digital Fabrication

3D Scanning
Digital Modeling
Physical Modeling

Digitally Generated Fabrication
Spring 2017

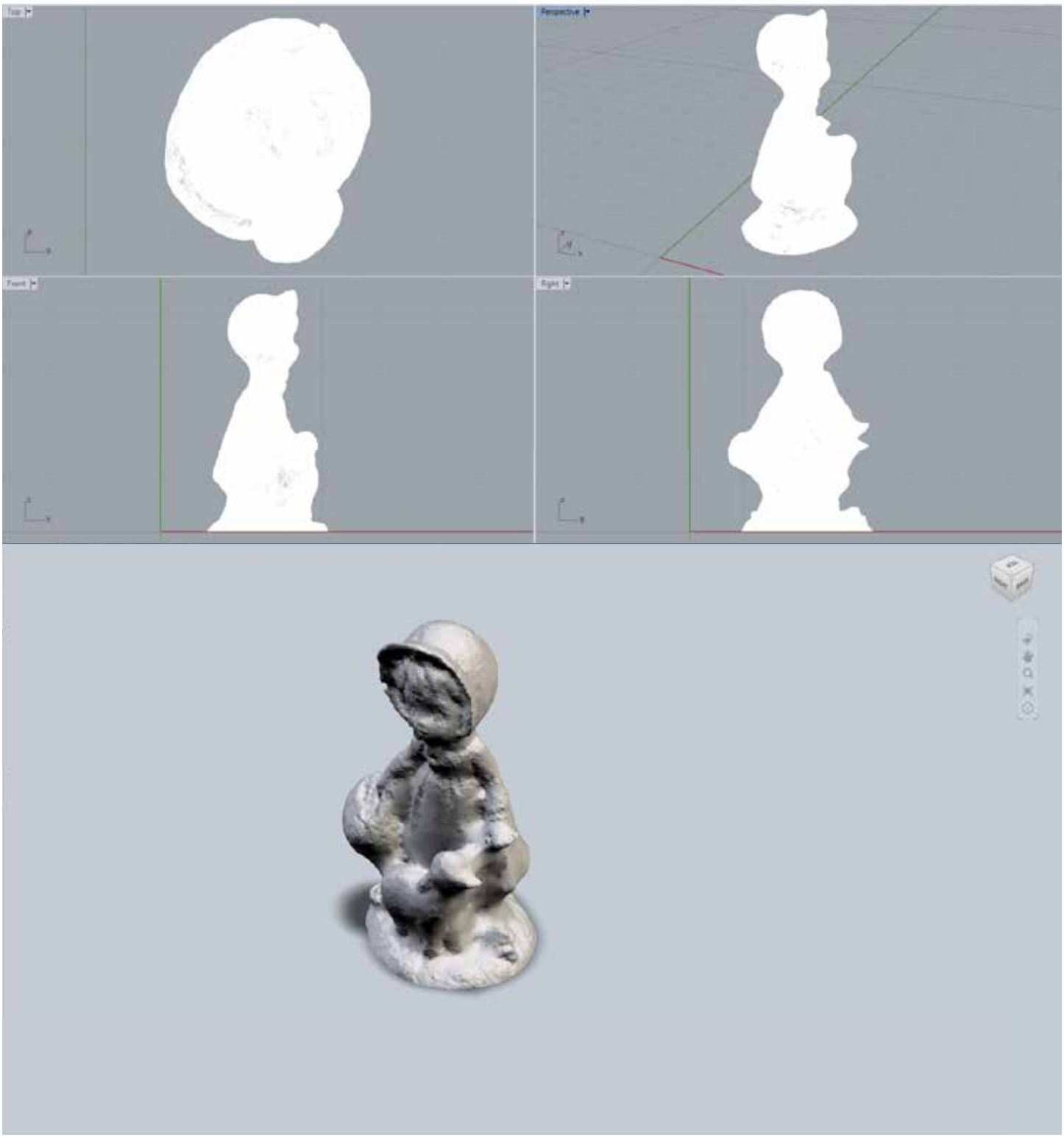
Problem

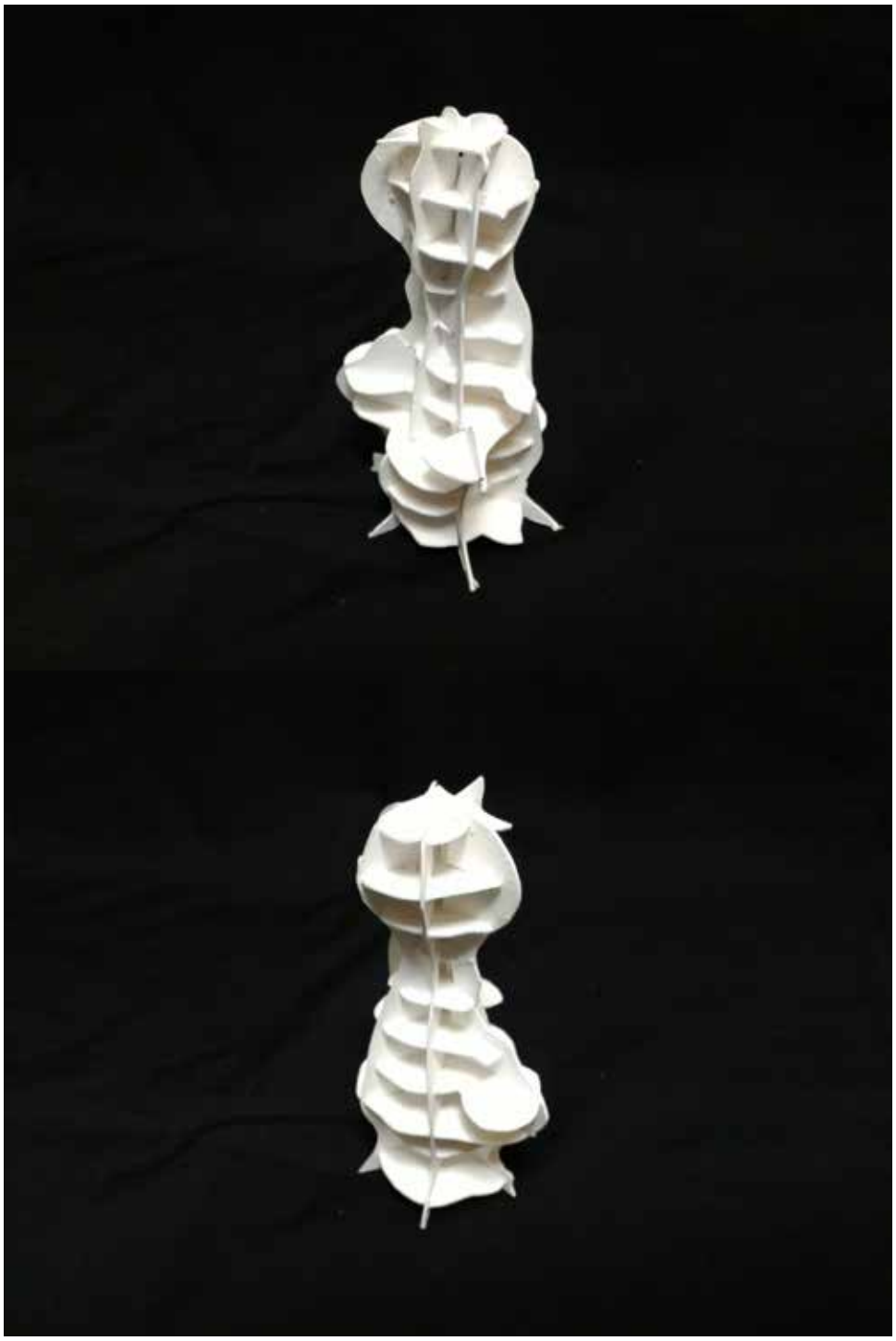
The task was to scan and model, digitally and physically, a simple and complex object and to create a new object from the complex model through a series of transformations. Out of about 21 failed attempts to capture a simple model for the first time, my wife offered one of her statuettes for me to try and I was able to scan the object with the most success. Not as many attempts were made in order to procure a successful scan for the complex object in ReMake.

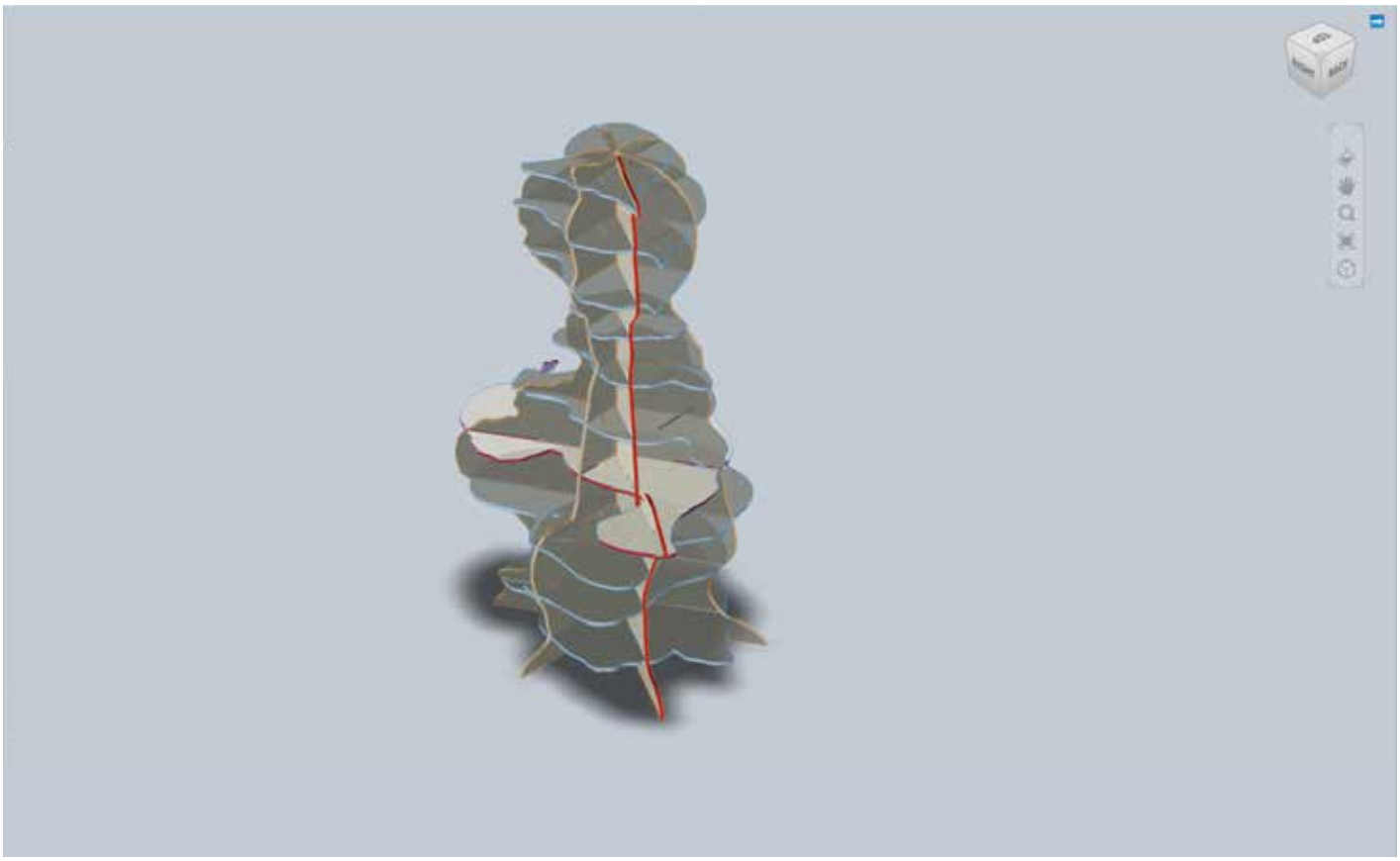
Solution

After the captures and models created in ReMake, the result was exported and imported into Rhinoceros for further processing. A contour model was planned in 123D Make and created using 2-ply museum/matte board. An eggcrate model was created in the same program using 2-ply museum board with the method of using radial slices rather than perpendicular, interlocking slices due to its shape. The simple model that was created in Rhinoceros was exported and 3D printed using ABS filament material. The chameleon's tail is an example of aggregation in nature and served as inspiration for the transformations resulting in the final composite model.

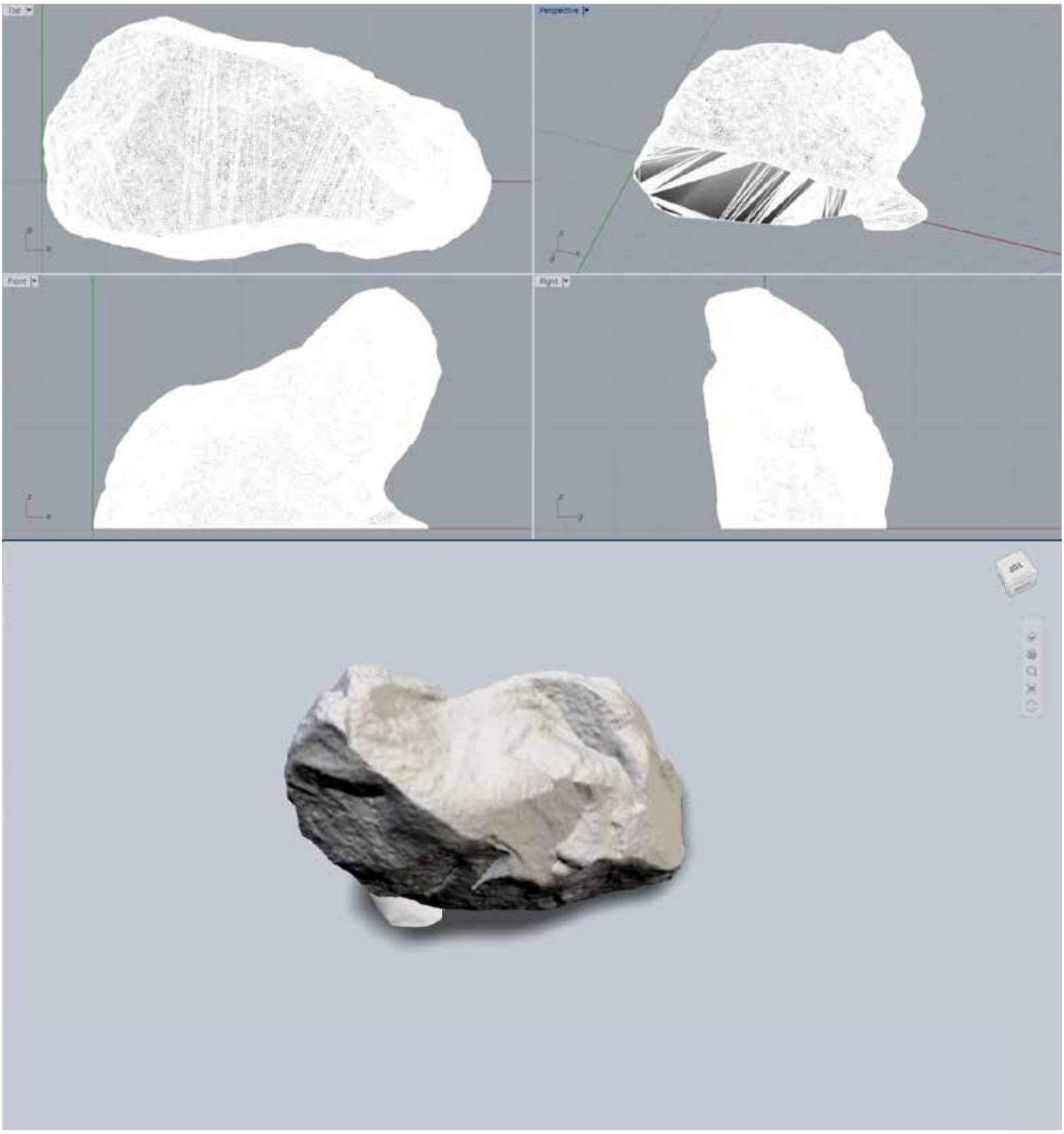

statuette_1.rcm - ReMake

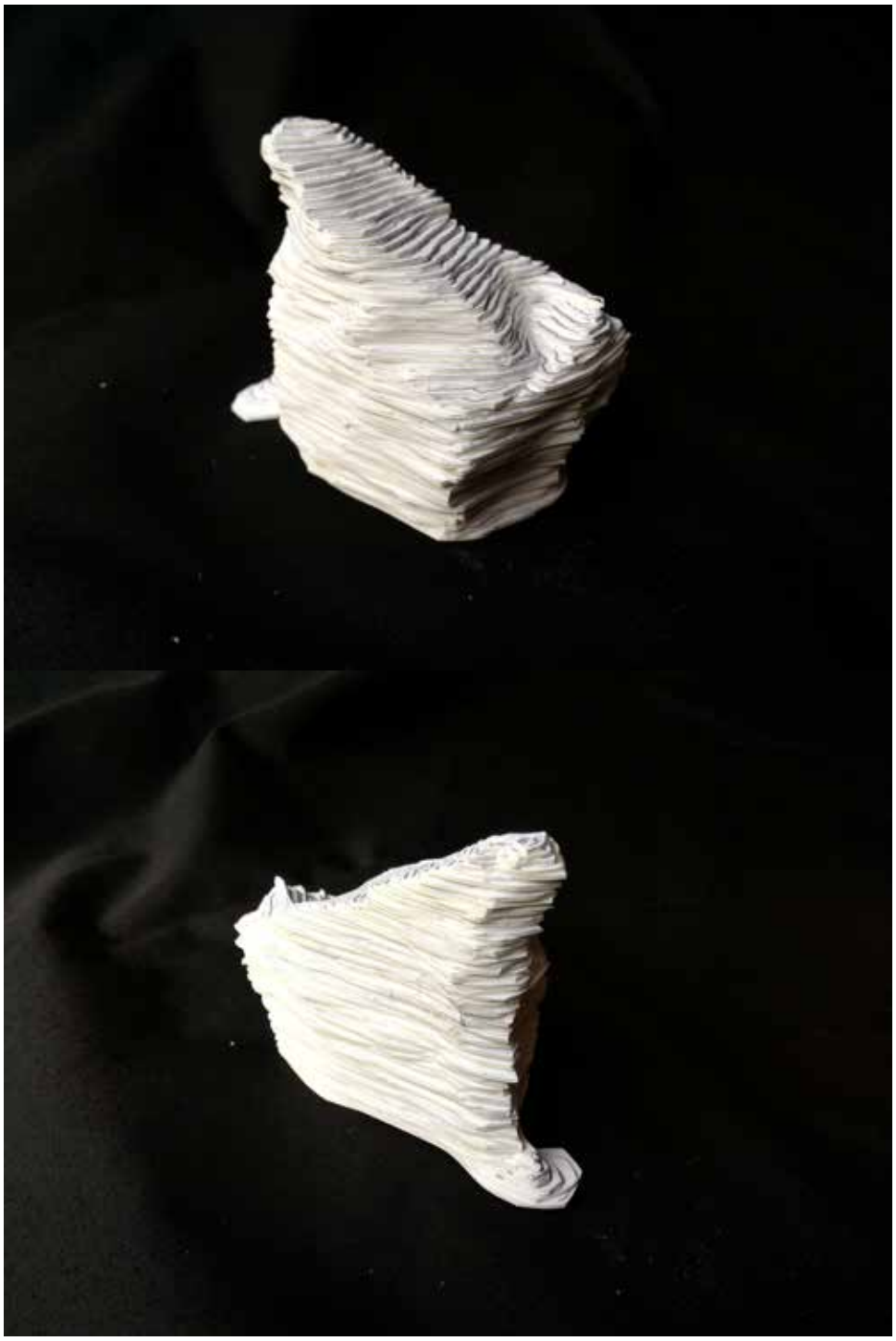

Top
Perspective
Front
Right

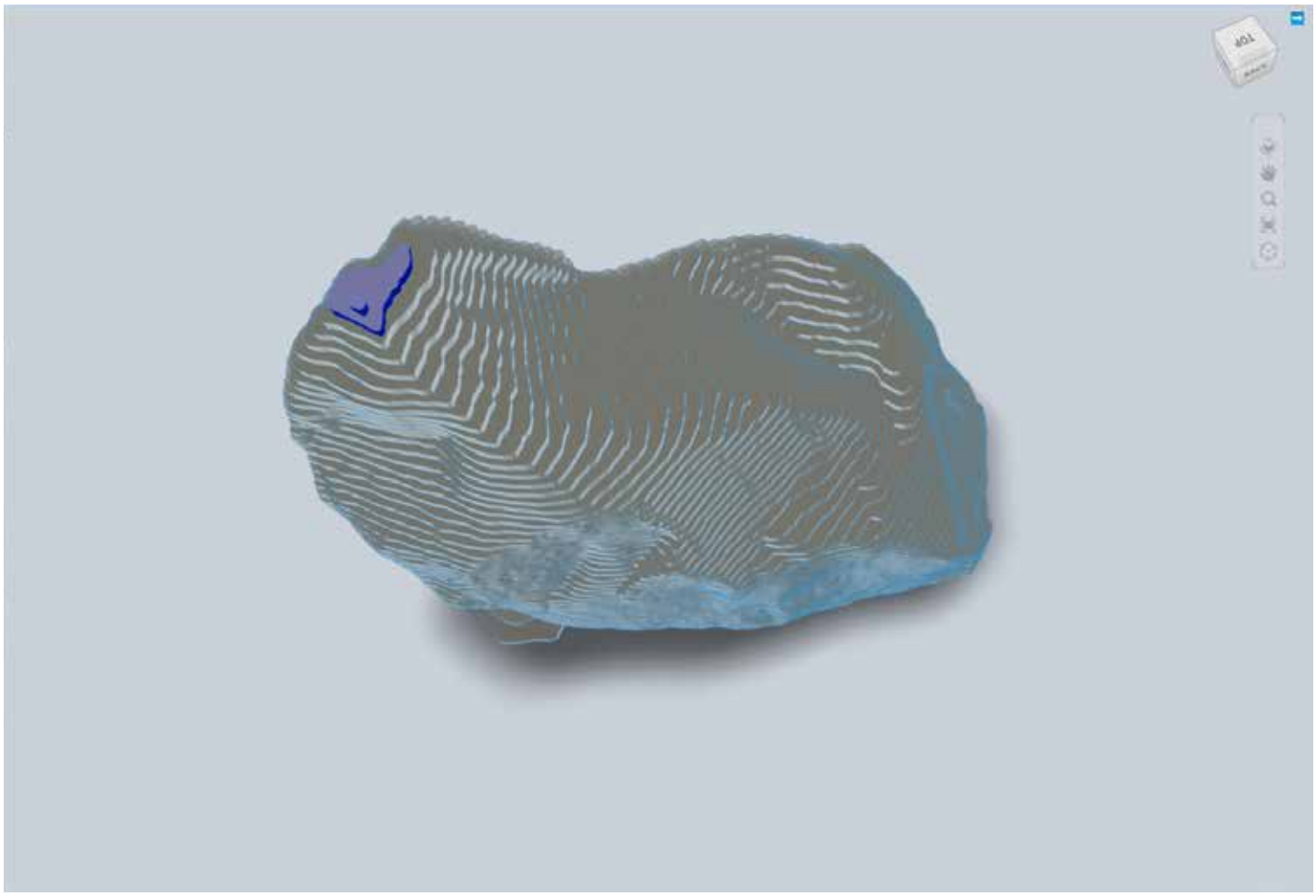


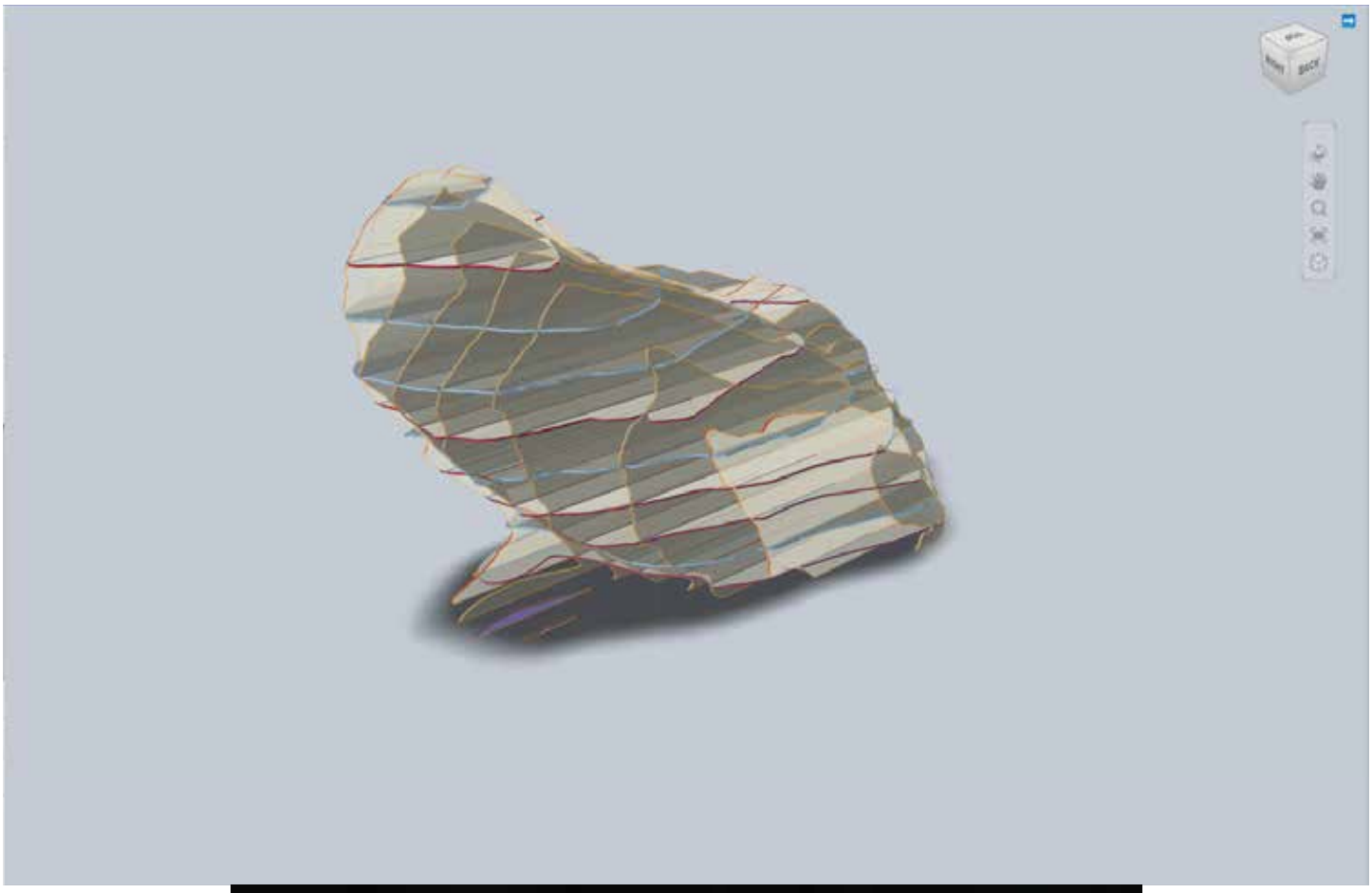


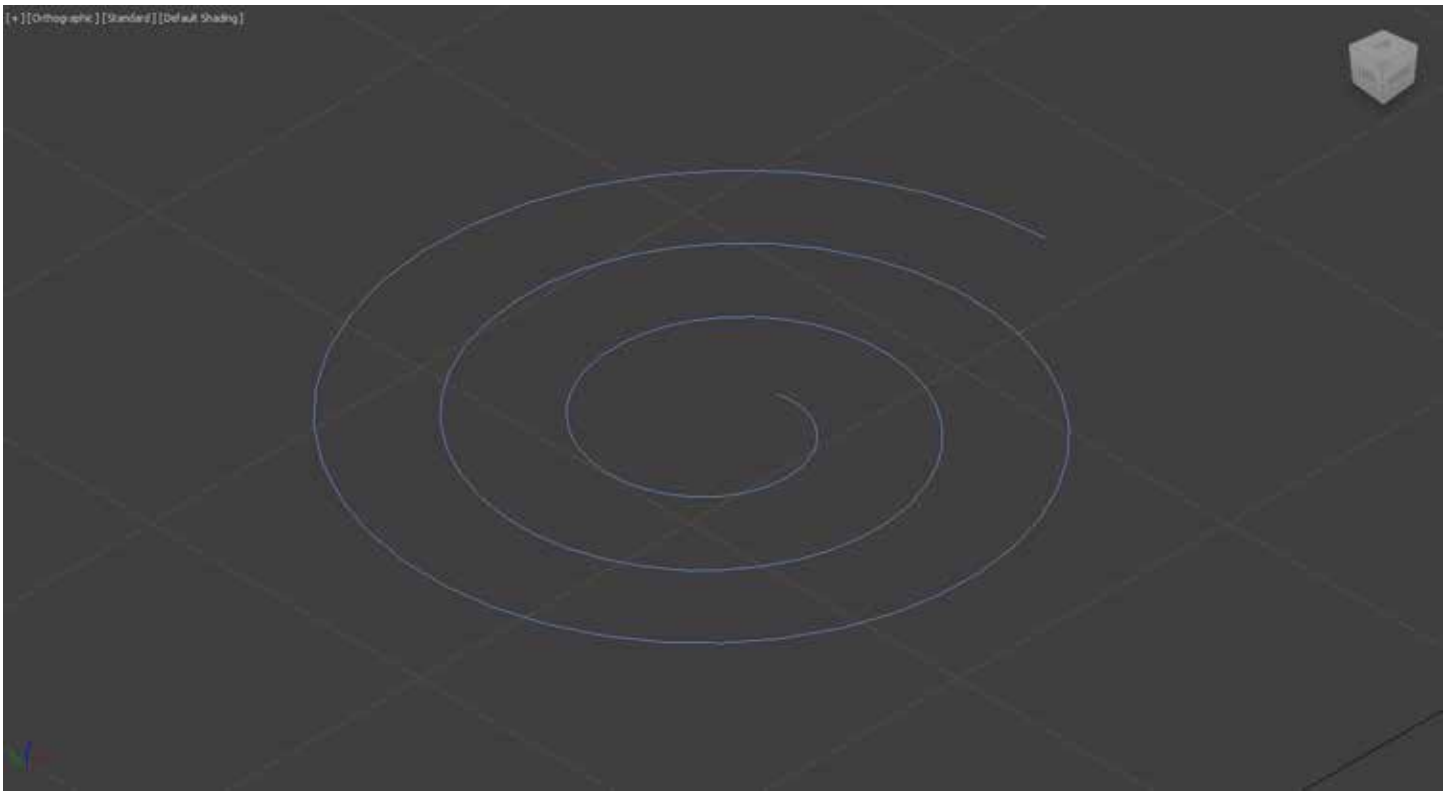

rock_1_2.rcm - RealMake


Top
Perspective
Front
Right





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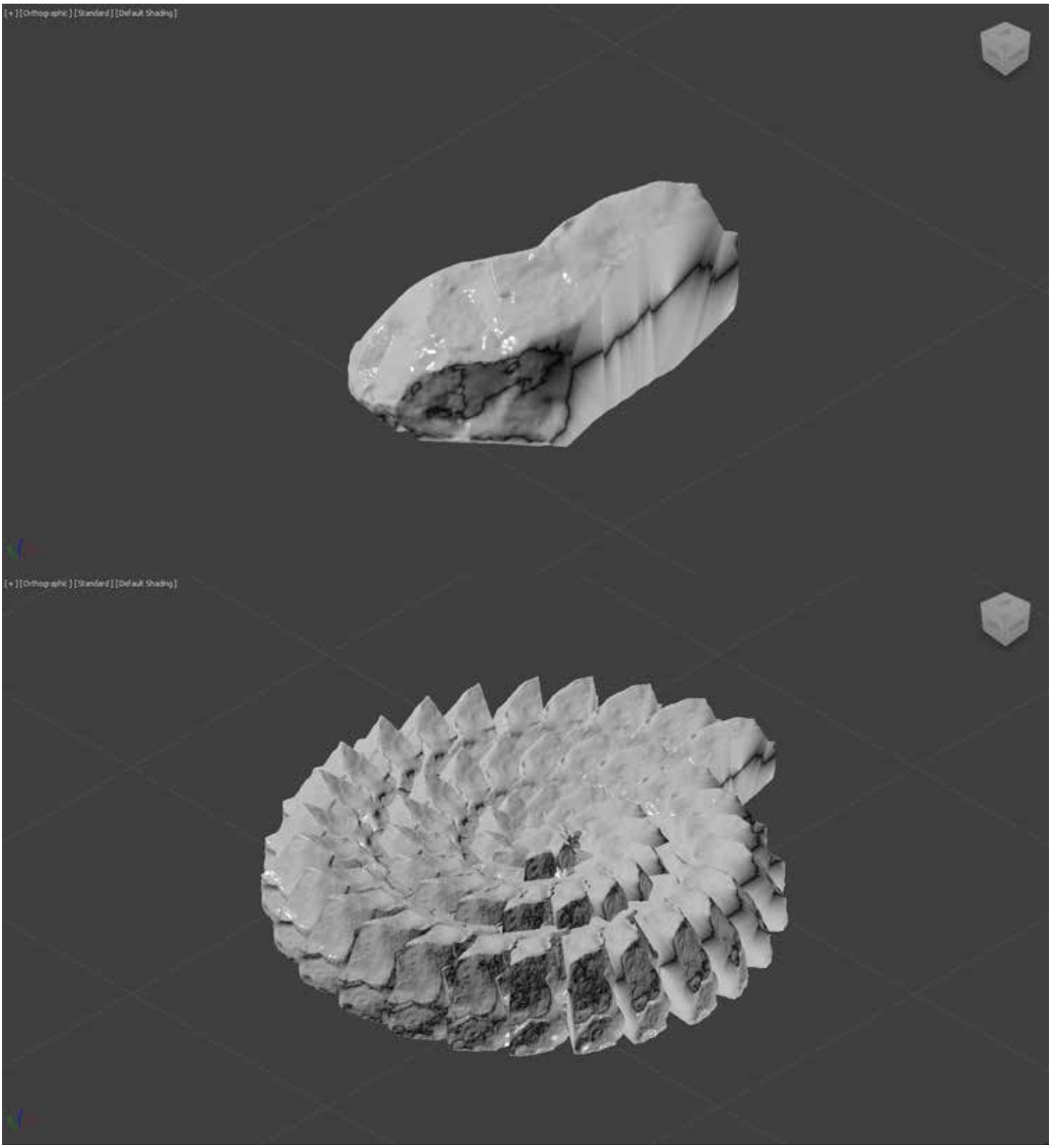
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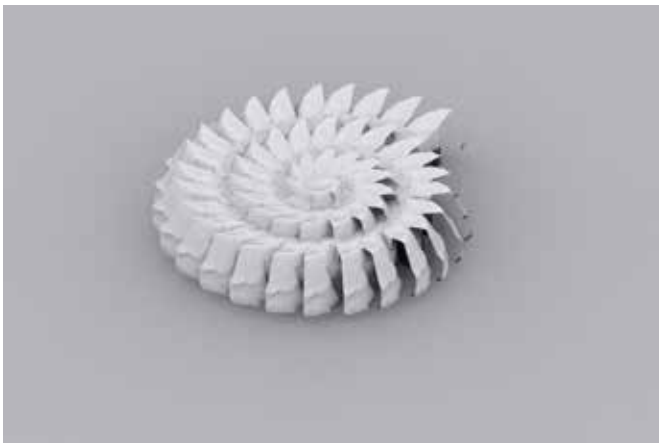
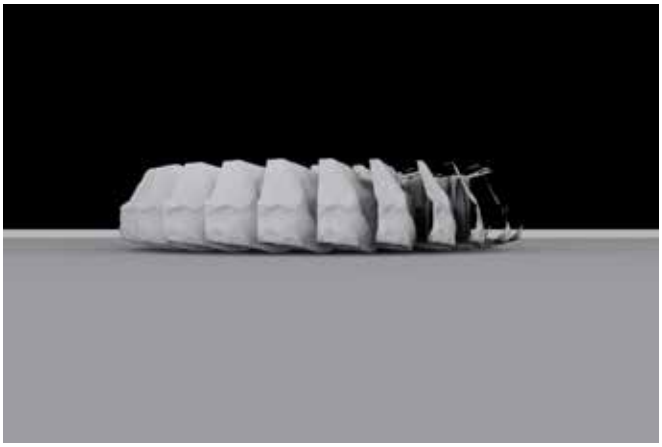
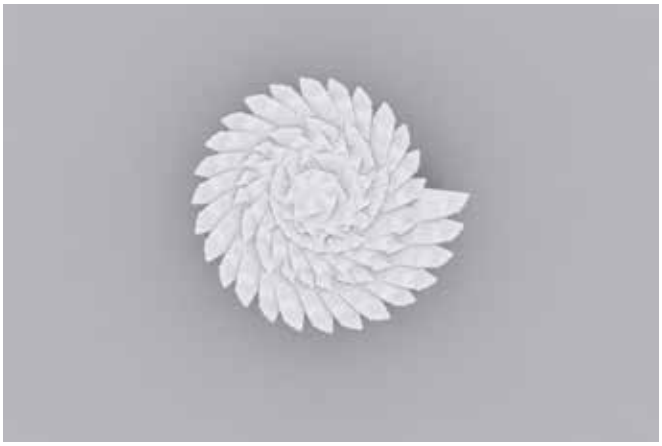
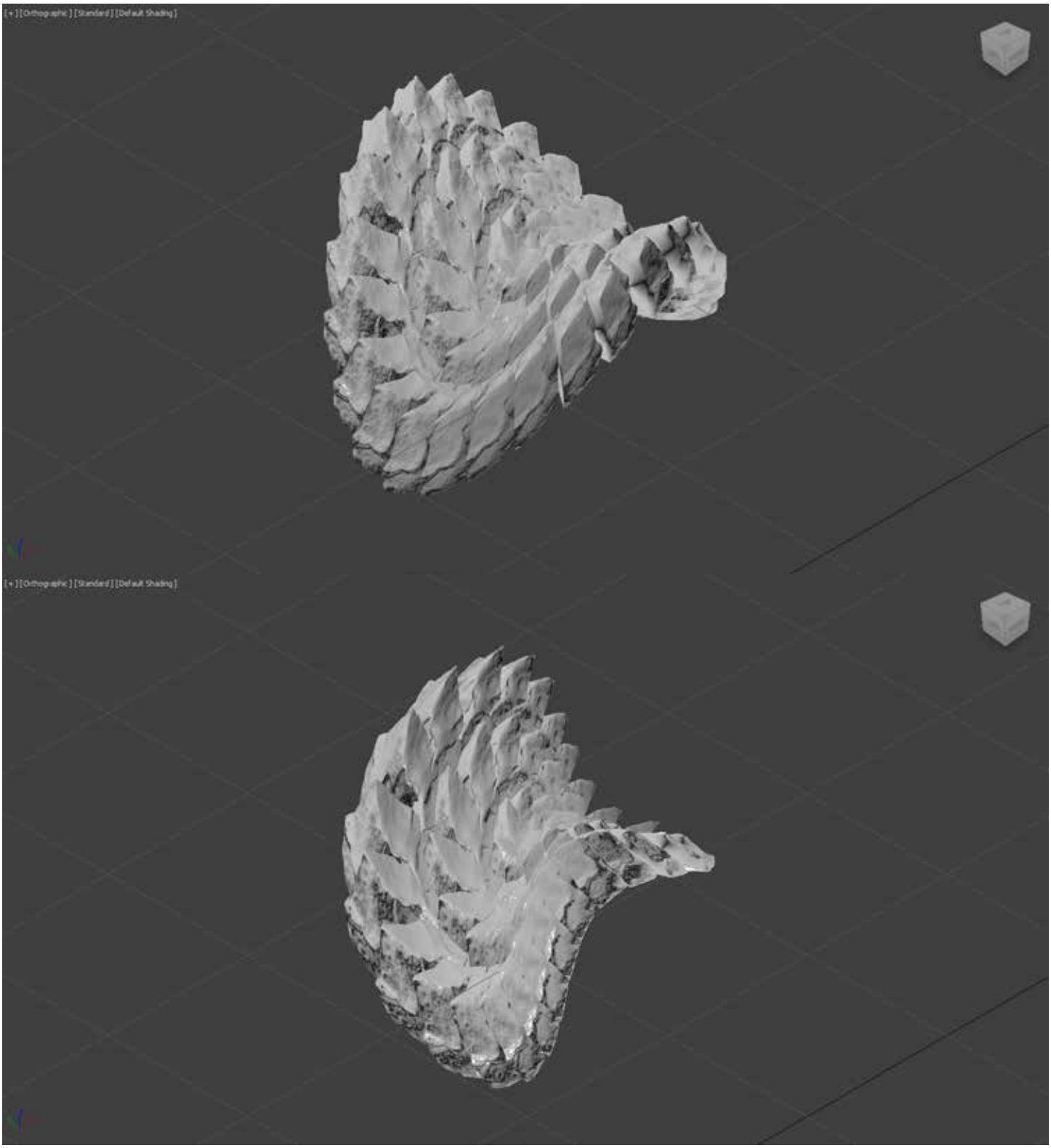
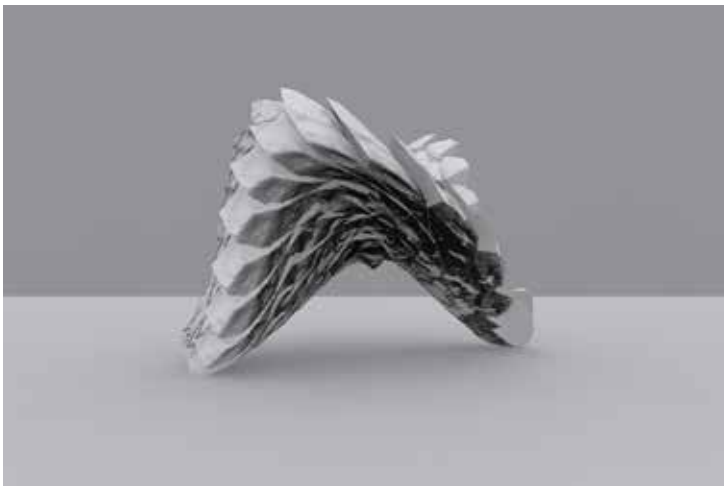
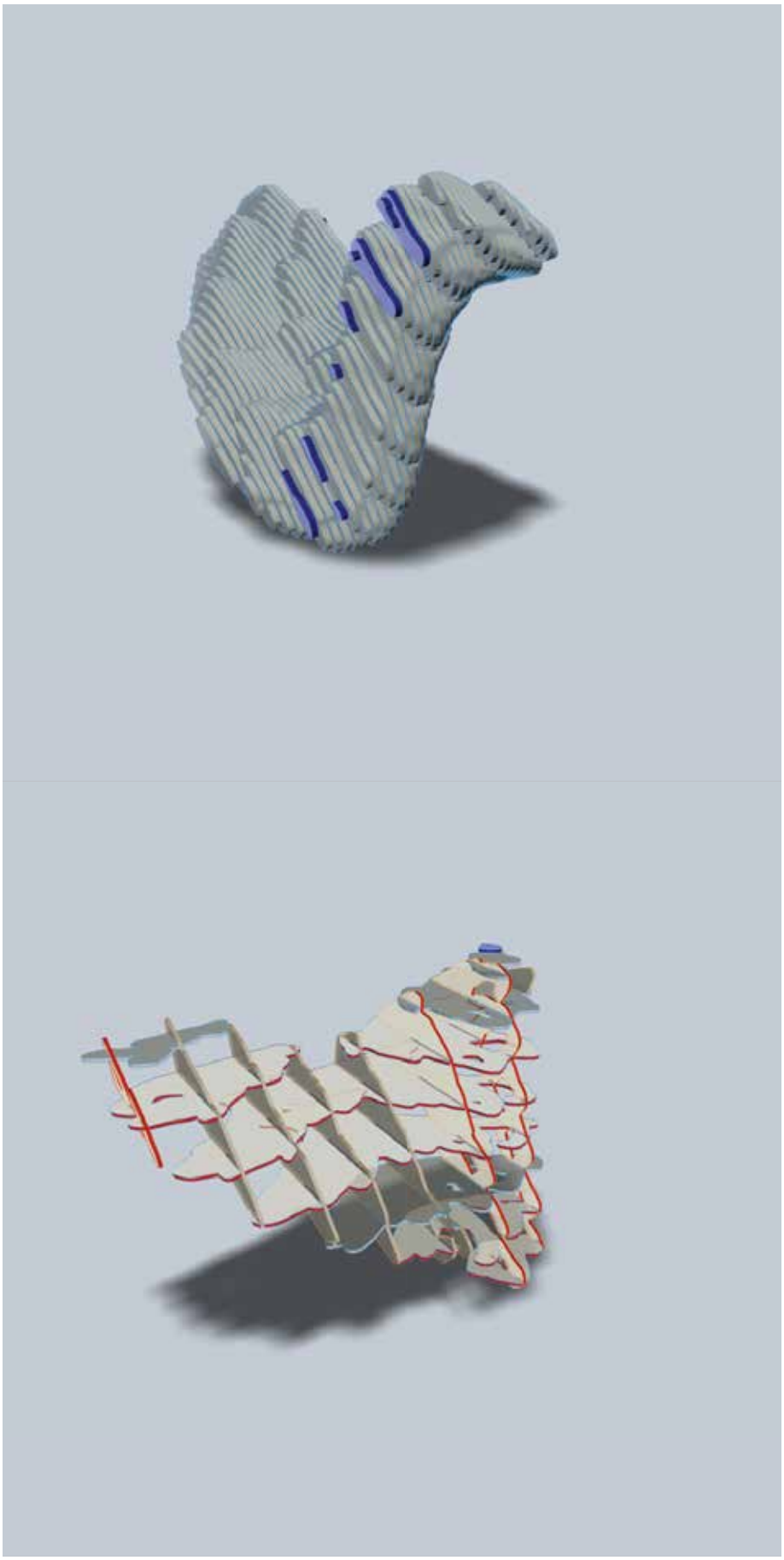


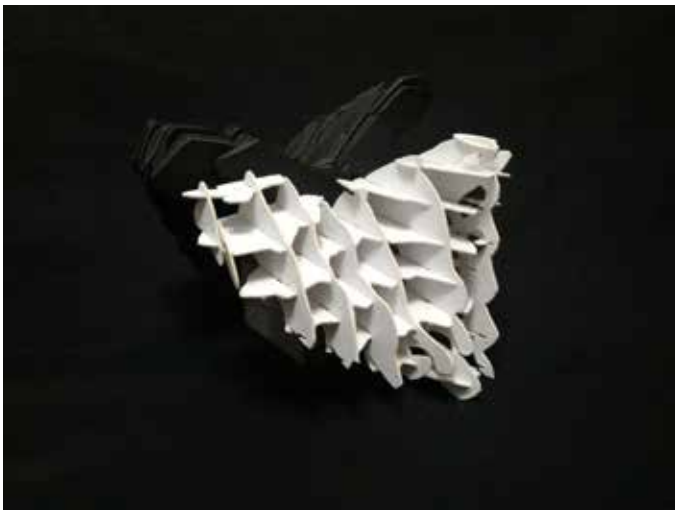


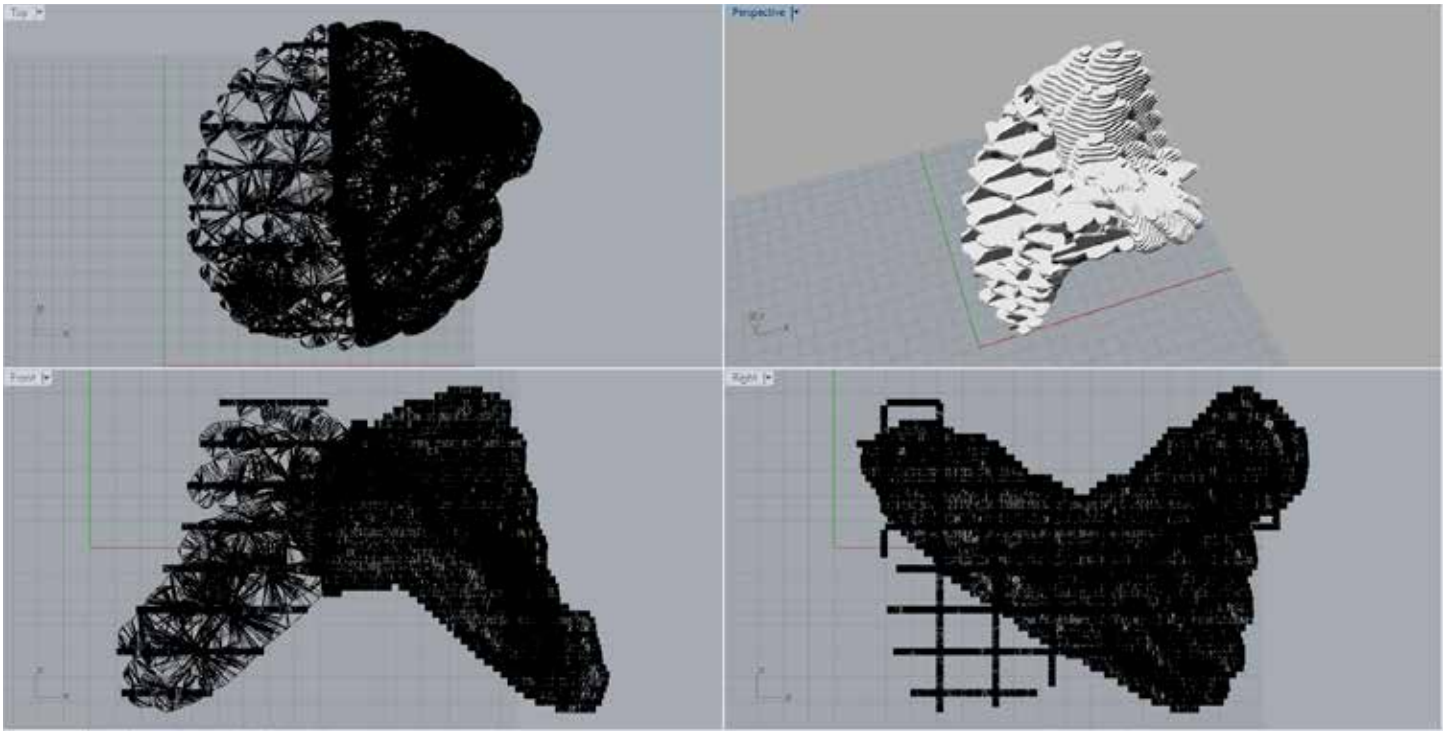


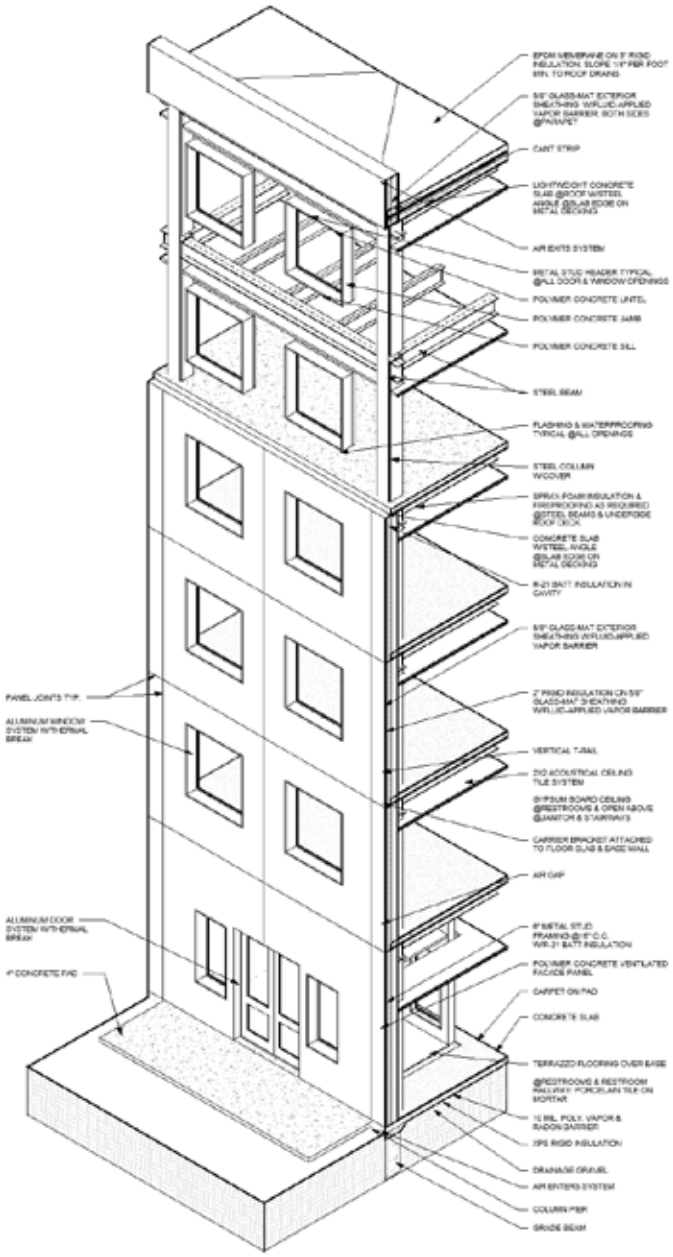

[+][Orthographic][Standard][Default Shading]
[+][Orthographic][Standard][Default Shading]








Top
Perspective
Front
Right


EPDM MEMBRANE ON 5" RIGID INSULATION. SLOPE 1/4" PER FOOT MIN. TO ROOF DRAINS
5/8" GLASS-MAT EXTERIOR SHEATHING W/FLUID-APPLIED VAPOR BARRIER, BOTH SIDES @PARAPET
CANT STRIP
LIGHTWEIGHT CONCRETE SLAB @ROOF W/STEEL ANGLE @SLAB EDGE ON METAL DECKING
AIR IENTS SYSTEM
METAL STUD HEADER TYPICAL @ALL DOOR & WINDOW OPENINGS
POLYMER CONCRETE LINTEL
POLYMER CONCRETE JAMB
POLYMER CONCRETE SILL
STEEL BEAM
FLASHING & WATERPROOFING TYPICAL @ALL OPENINGS
STEEL COLUMN W/COVER
SPRAY-FOAM INSULATION & FIREPROOFING AS REQUIRED @STEEL BEAMS & UNDERSIDE ROOF DECK
CONCRETE SLAB W/STEEL ANGLE @SLAB EDGE ON METAL DECKING
R-21 BATT INSULATION IN CAVITY
5/8" GLASS-MAT EXTERIOR SHEATHING W/FLUID-APPLIED VAPOR BARRIER
PANEL JOINTS TYP.
2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
ALUMINUM WINDOW SYSTEM W/THERMAL BREAK
VERTICAL T-BAR
2'X2' ACOUSTICAL CEILING TILE SYSTEM
GYPSUM BOARD CEILING @RESTROOMS & OPEN ABOVE @JANITOR & STAIRWAYS
CARRIER BRACKET ATTACHED TO FLOOR SLAB & BASE WALL
AIR GAP
ALUMINUM DOOR SYSTEM W/THERMAL BREAK
6" METAL STUD FRAMING @ 6" O.C. W/R-21 BATT INSULATION
4" CONCRETE PAD
POLYMER CONCRETE VENTILATED FACADE PANEL
CARPET ON PAD
CONCRETE SLAB
TERRAZZO FLOORING OVER BASE
@RESTROOMS & RESTROOM
10 MIL POLY VAPOR & RADON BARRIER
XPS RIGID INSULATION
DRAINAGE GRAVEL
AIR ENTERS SYSTEM
COLUMN PIER
GRADE BEAM

Building Envelope Design

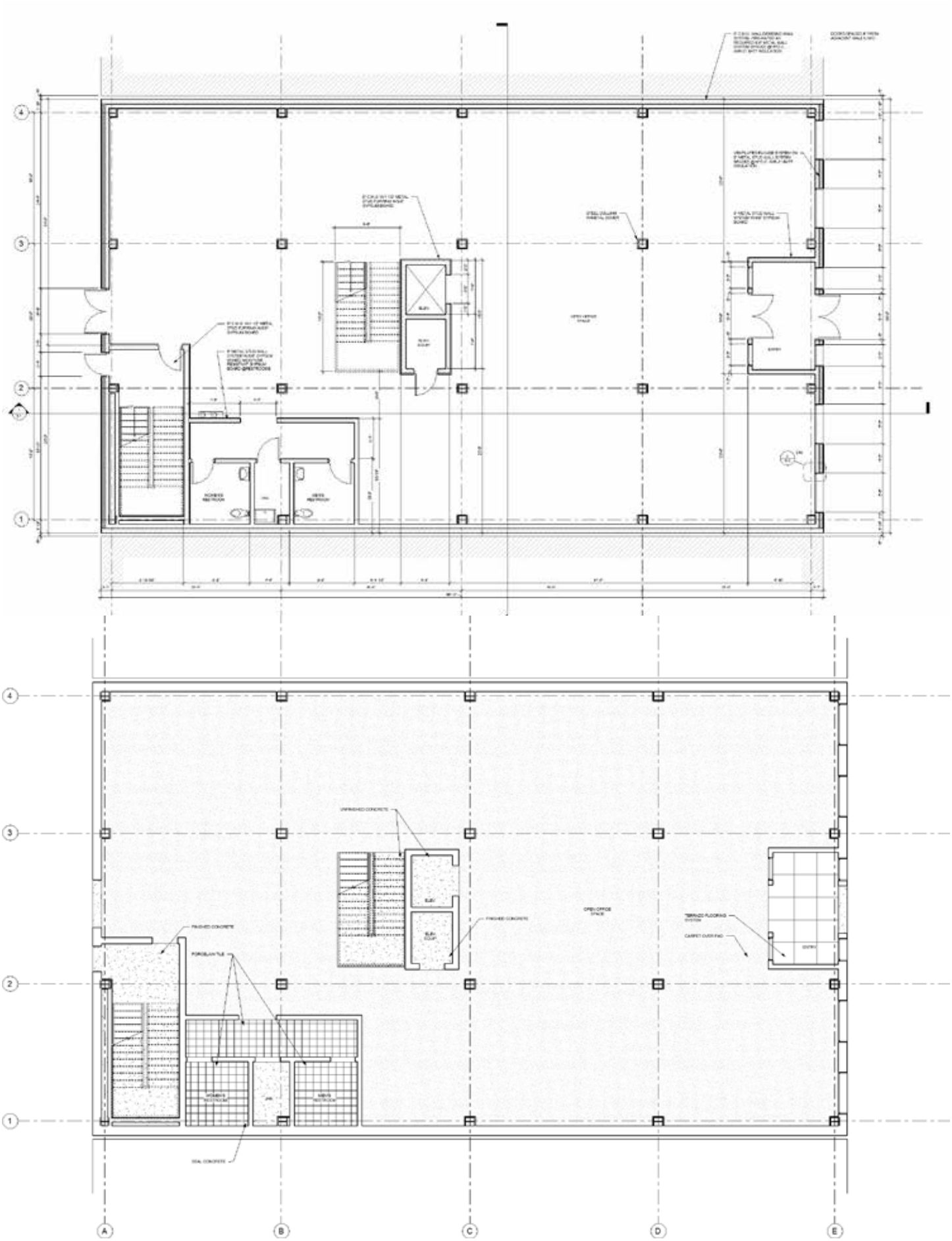
Material and Methods of Construction - Building Detailing
Fall 2017

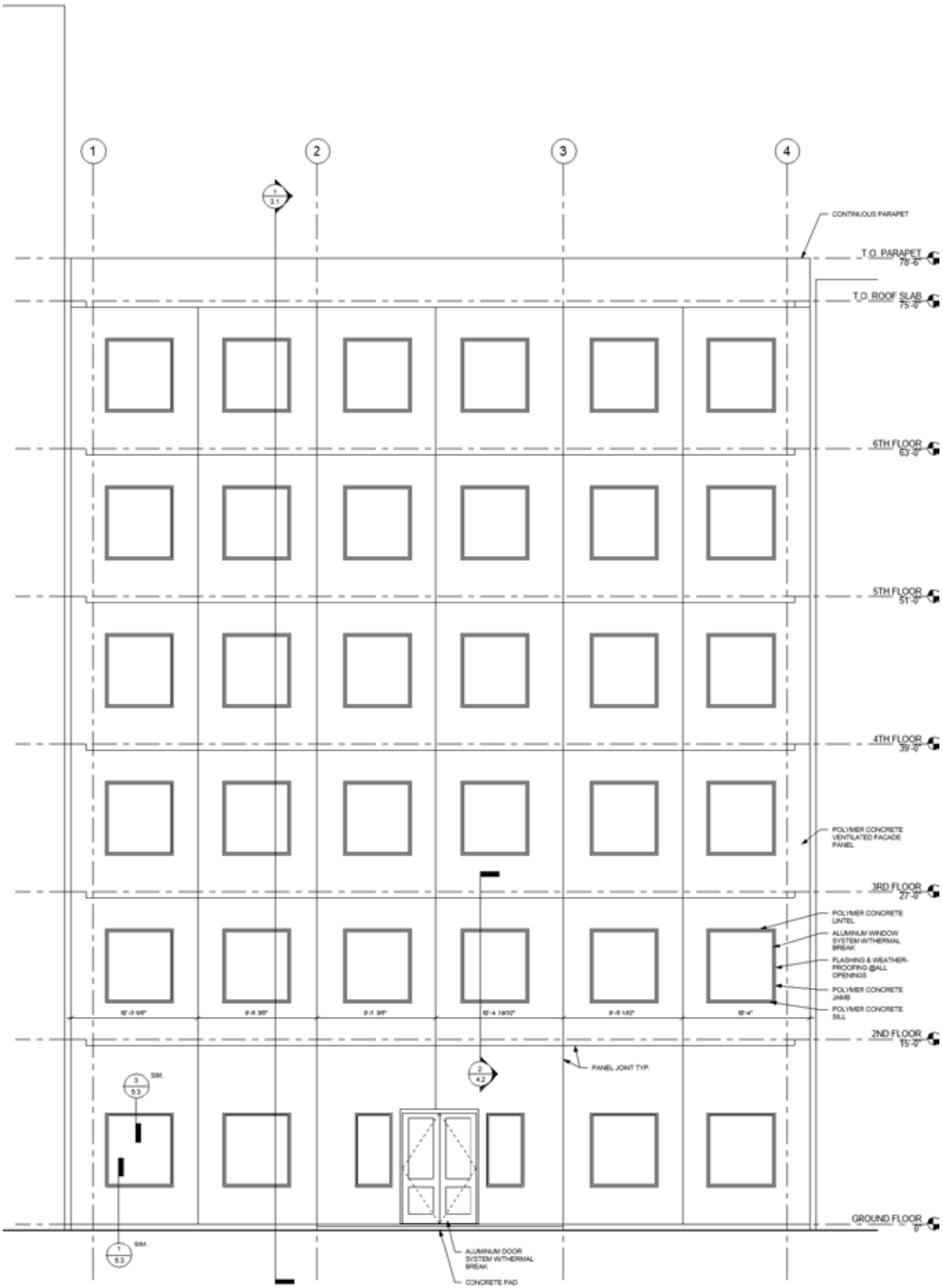
Problem

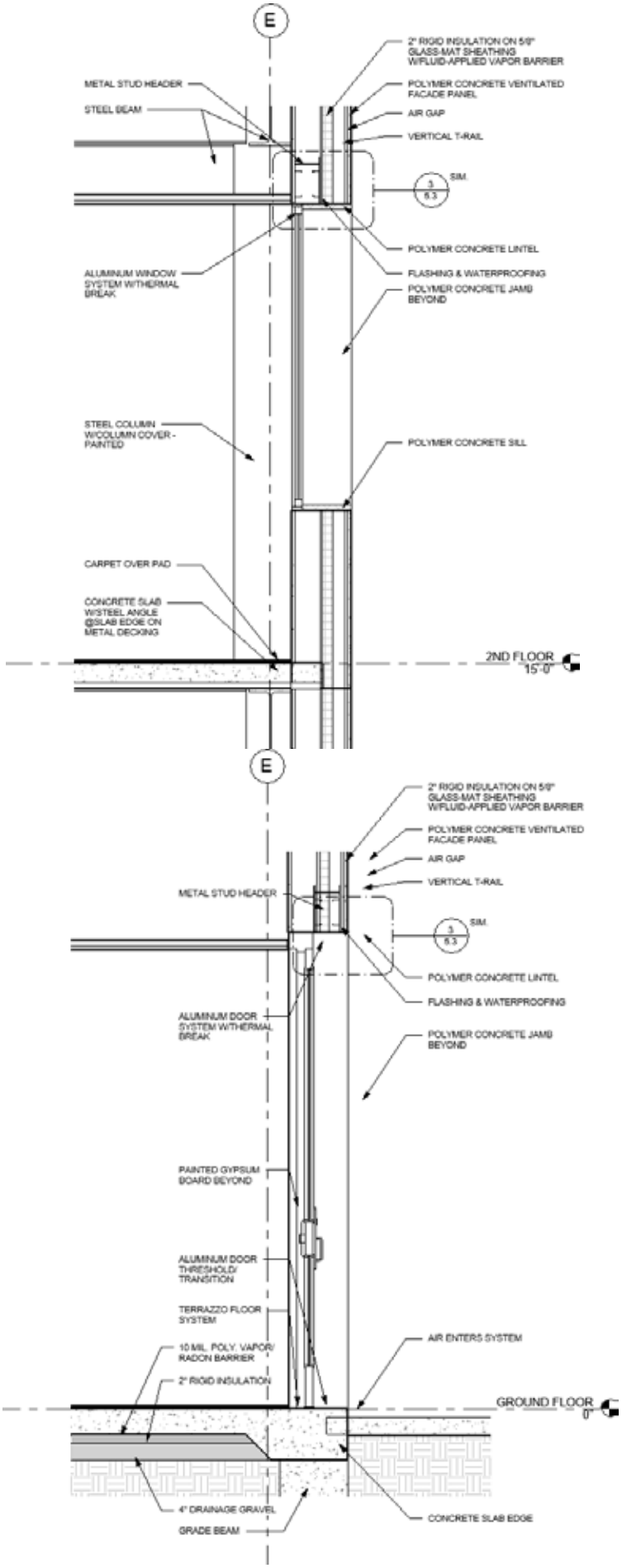
The purpose of the class is to study different materials and methods available for construction. The task was to research building envelope systems, study two precedents that we will be develop into a design and drawings in order to communicate our chosen system as it applied to a generic multi-story building, and present our solution.

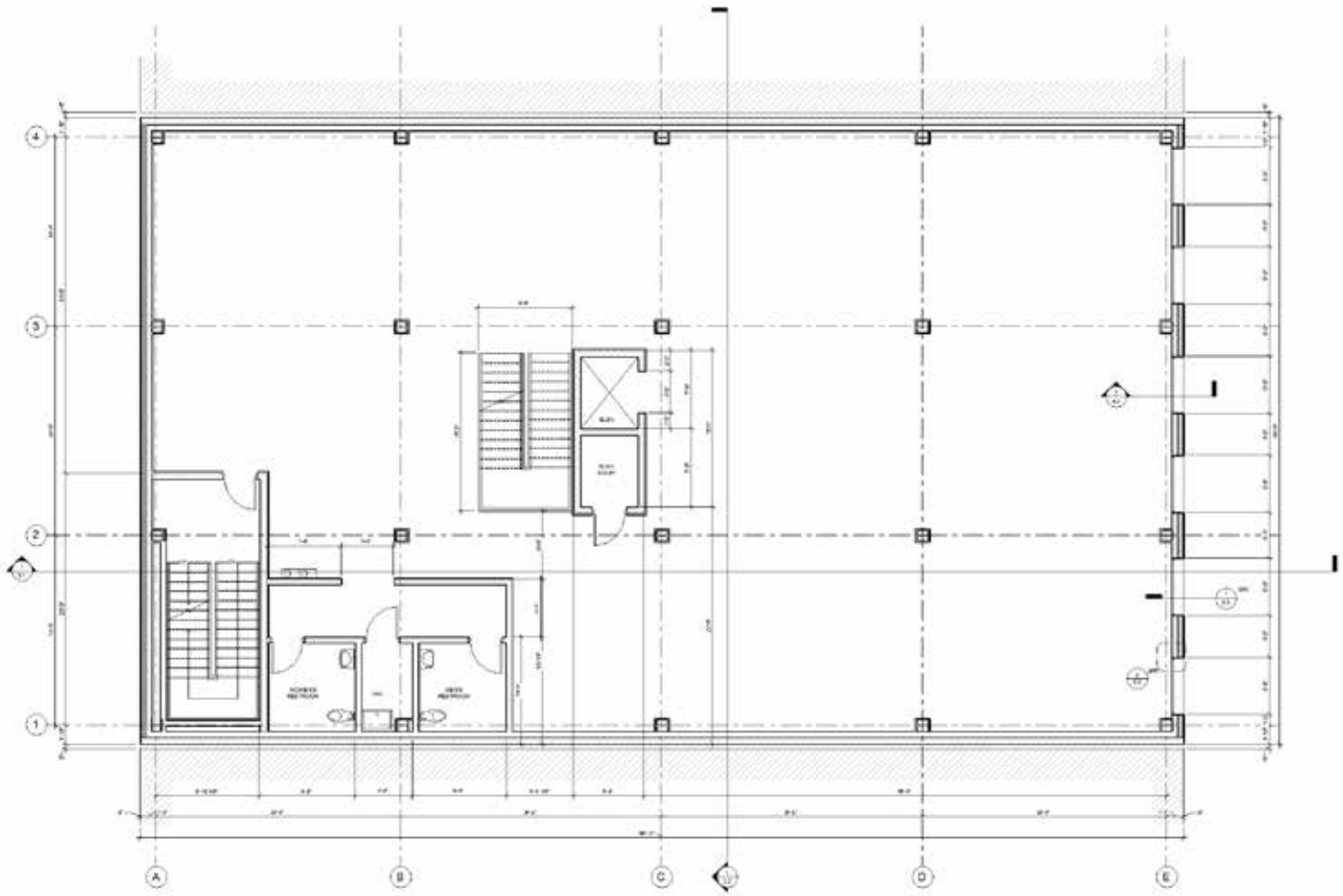
Solution

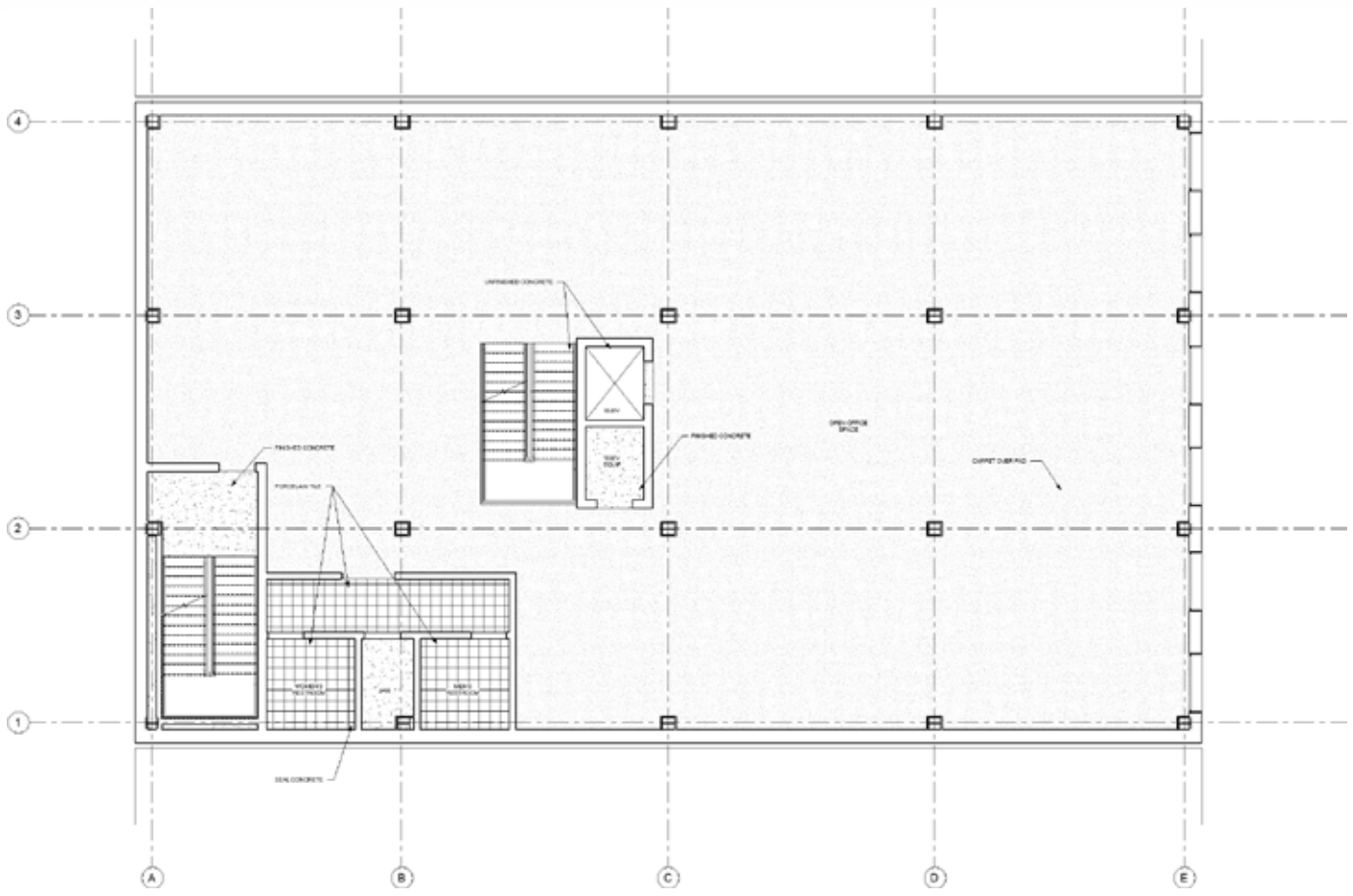
The building facade system chosen for the term project is by ULMA Architectural Solutions. The product is part of their facade cladding system of ventilated facades as part of their creaktive product range. The ventilated facade system is a coating based system for buildin enclosures that leaves an area of ventilation between the insulation and coating. This type of system according to the manufacturer help to reduce or eliminate thermal bridges that can often cause condensation issues by providing a continuous system. My intention to use the product with a custom 3d texture and implementing an additional tier of massing with extruded panels conveying depth. a blue color palette is desired. Panel sizes are to be 3' x 2' and a mix of horizontal and vertical placement.

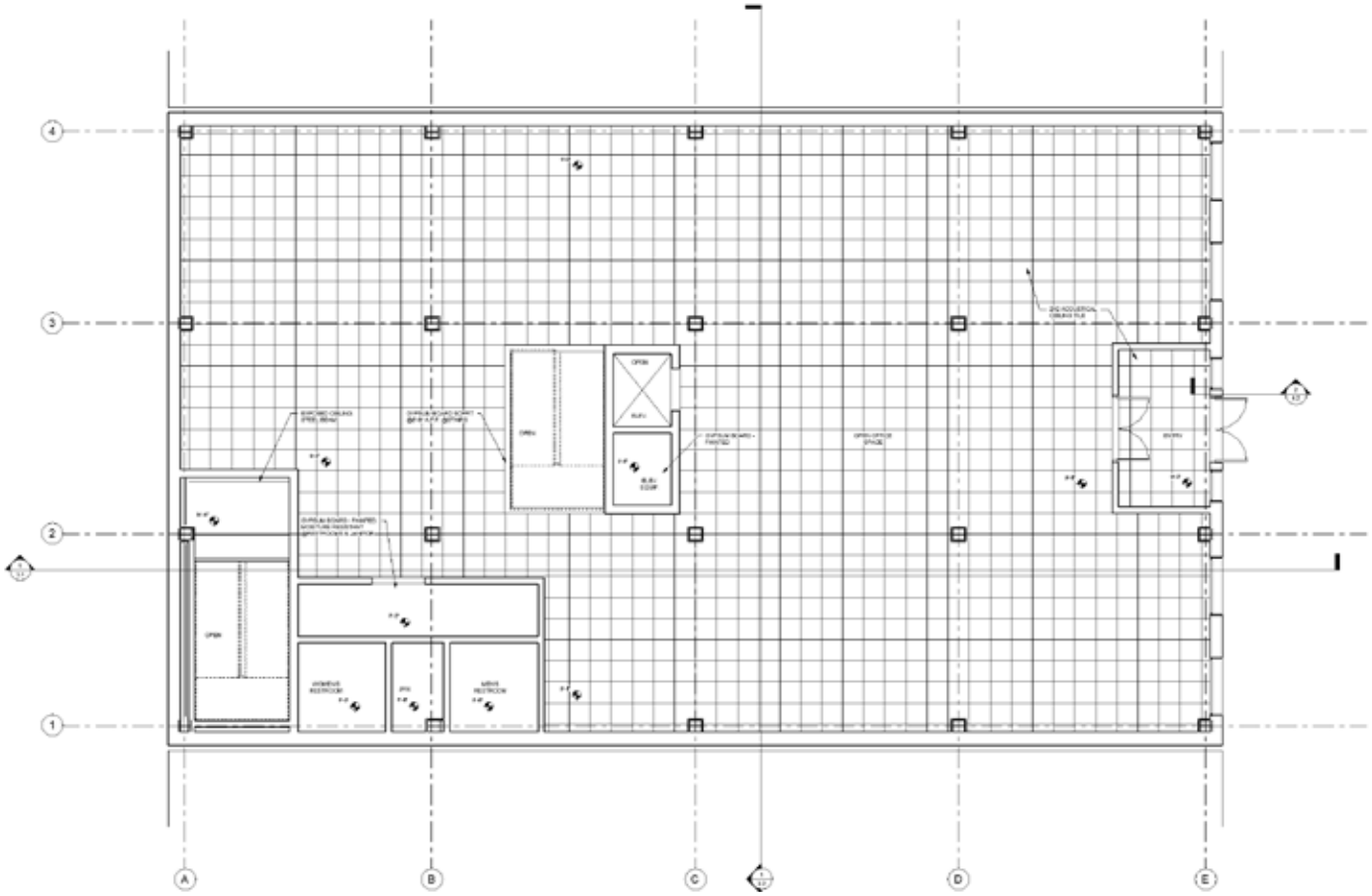


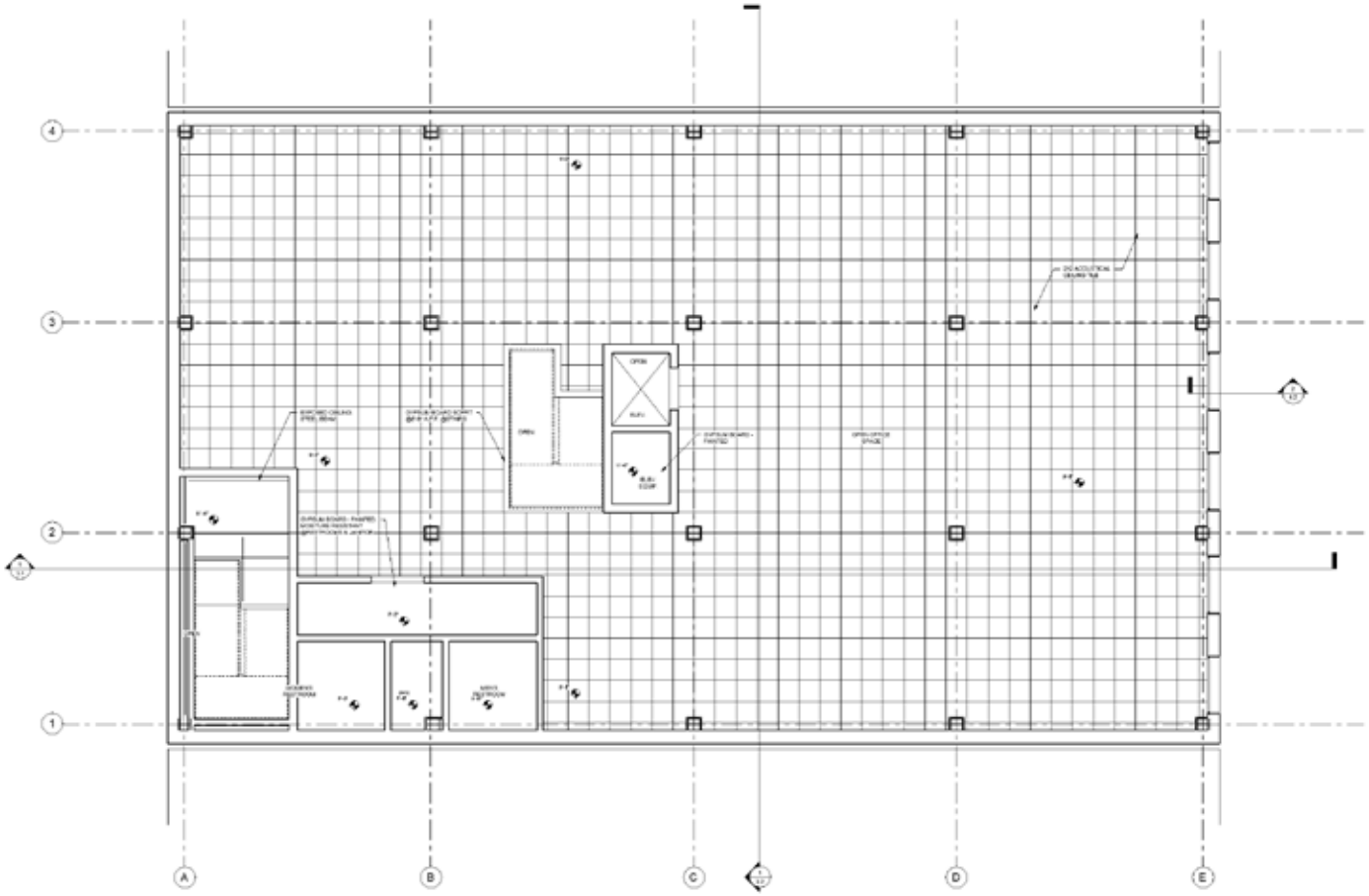

1
2
3
4
CONTINUOUS PARAPET
T.O. PARAPET
78'-6"
T.O. ROOF SLAB
75'-0"
6TH FLOOR
63'-0"
5TH FLOOR
51'-0"
4TH FLOOR
39'-0"
POLYMER CONCRETE VENTILATED FACADE PANEL
3RD FLOOR
27'-0"
POLYMER CONCRETE LINTEL
ALUMINUM WINDOW SYSTEM WITHERMAL BREAK
FLASHING & WEATHER-PROOFING @ALL OPENINGS
POLYMER CONCRETE JAMB
POLYMER CONCRETE SILL
2ND FLOOR
15'-0"
PANEL JOINT TYP.
SIM.
SIM.
ALUMINUM DOOR SYSTEM WITHERMAL BREAK
CONCRETE PAD
GROUND FLOOR
0"

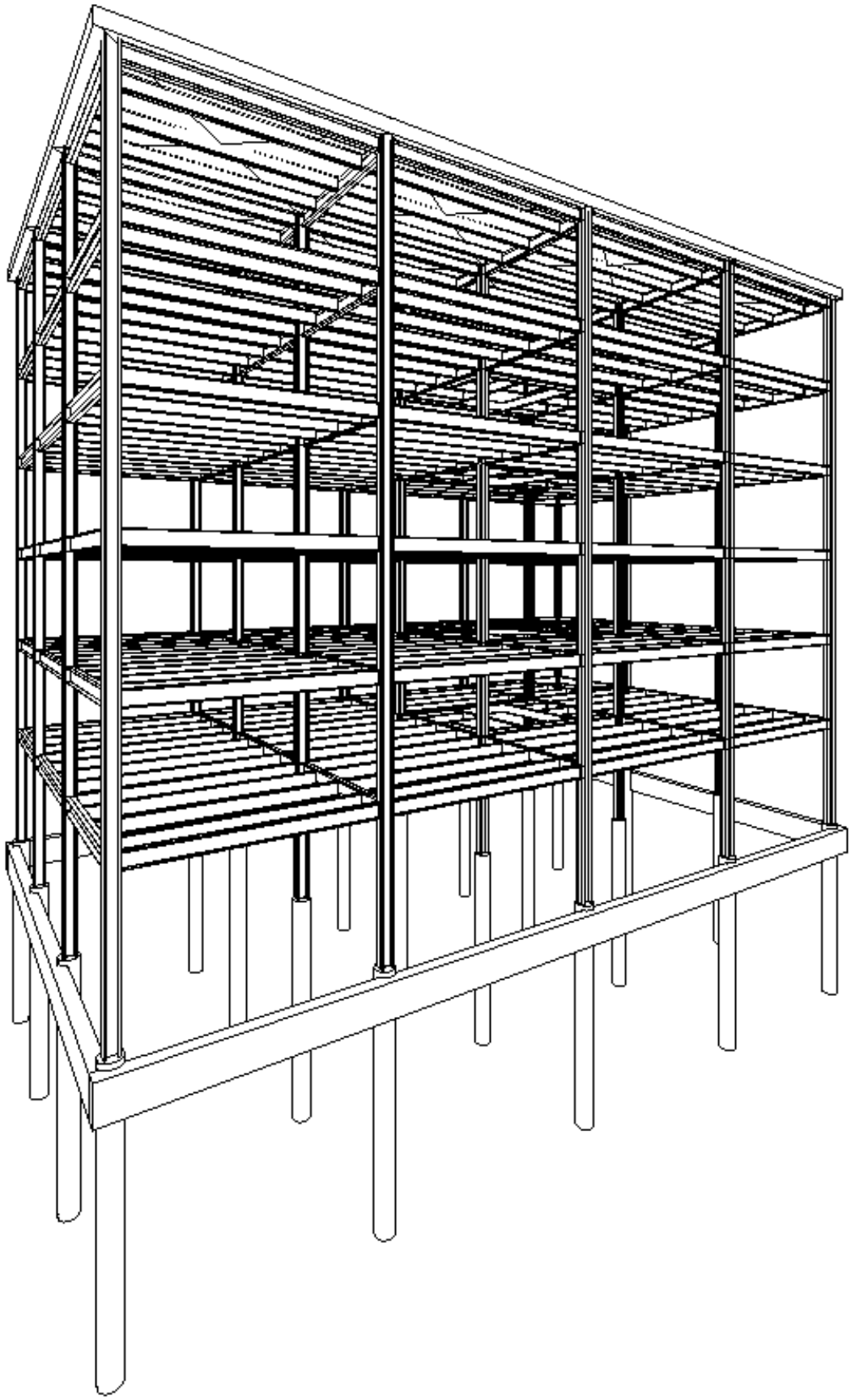

E
2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
METAL STUD HEADER
POLYMER CONCRETE VENTILATED FACADE PANEL
STEEL BEAM
AIR GAP
VERTICAL T-RAIL
3
6.3
SIM.
POLYMER CONCRETE LINTEL
FLASHING & WATERPROOFING
ALUMINUM WINDOW SYSTEM W/THERMAL BREAK
POLYMER CONCRETE JAMB BEYOND
STEEL COLUMN W/COLUMN COVER - PAINTED
POLYMER CONCRETE SILL
CARPET OVER PAD
CONCRETE SLAB W/STEEL ANGLE @SLAB EDGE ON METAL DECKING
2ND FLOOR
15'-0"
E
2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
POLYMER CONCRETE VENTILATED FACADE PANEL
AIR GAP
VERTICAL T-RAIL
METAL STUD HEADER
3
6.3
SIM.
POLYMER CONCRETE LINTEL
FLASHING & WATERPROOFING
ALUMINUM DOOR SYSTEM W/THERMAL BREAK
POLYMER CONCRETE JAMB BEYOND
PAINTED GYPSUM BOARD BEYOND
ALUMINUM DOOR THRESHOLD/ TRANSITION
TERRAZZO FLOOR SYSTEM
AIR ENTERS SYSTEM
10 MIL. POLY. VAPOR/ RADON BARRIER
2" RIGID INSULATION
GROUND FLOOR
0"
4" DRAINAGE GRAVEL
CONCRETE SLAB EDGE
GRADE BEAM

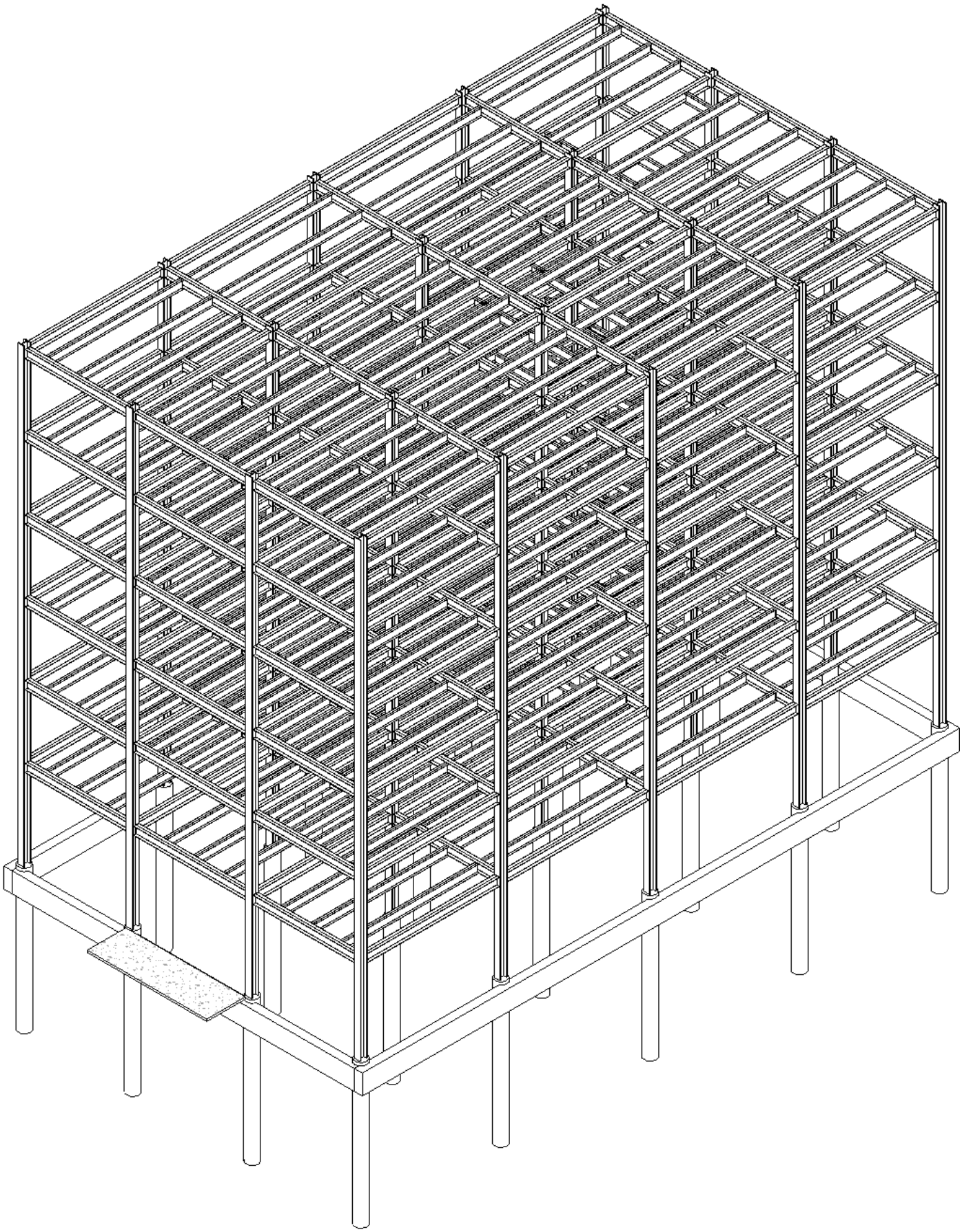


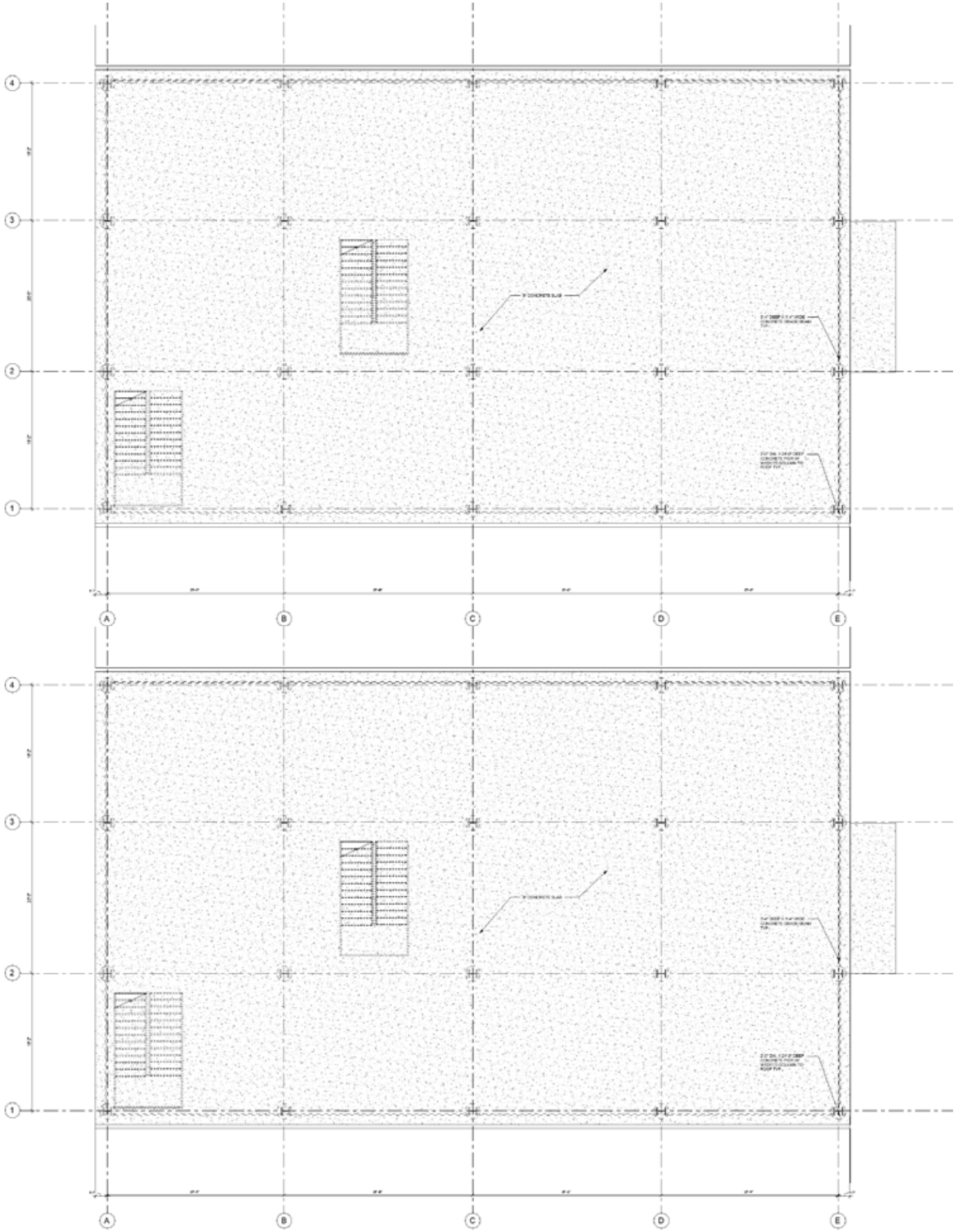


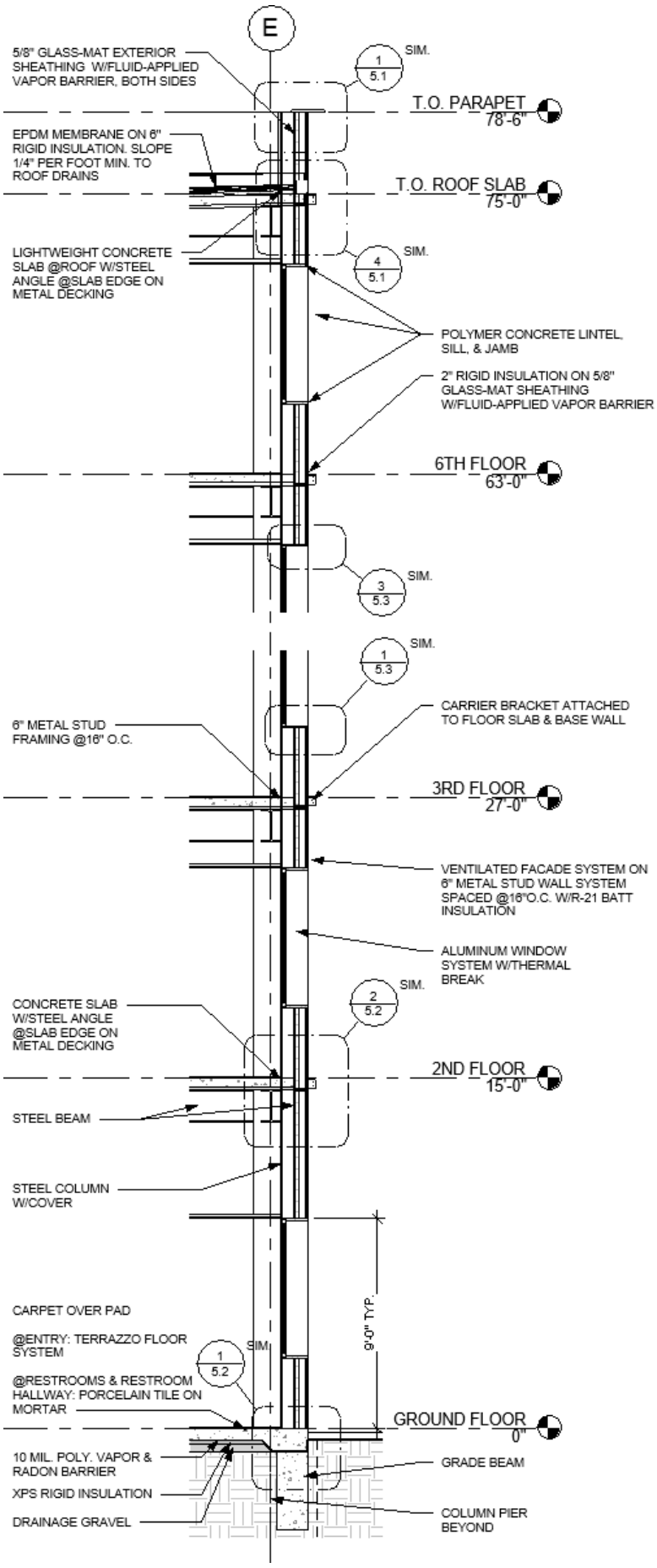

4
3
2
1
A
B
C
D
E
OPEN
OPEN
OPEN OFFICE
OPEN OFFICE

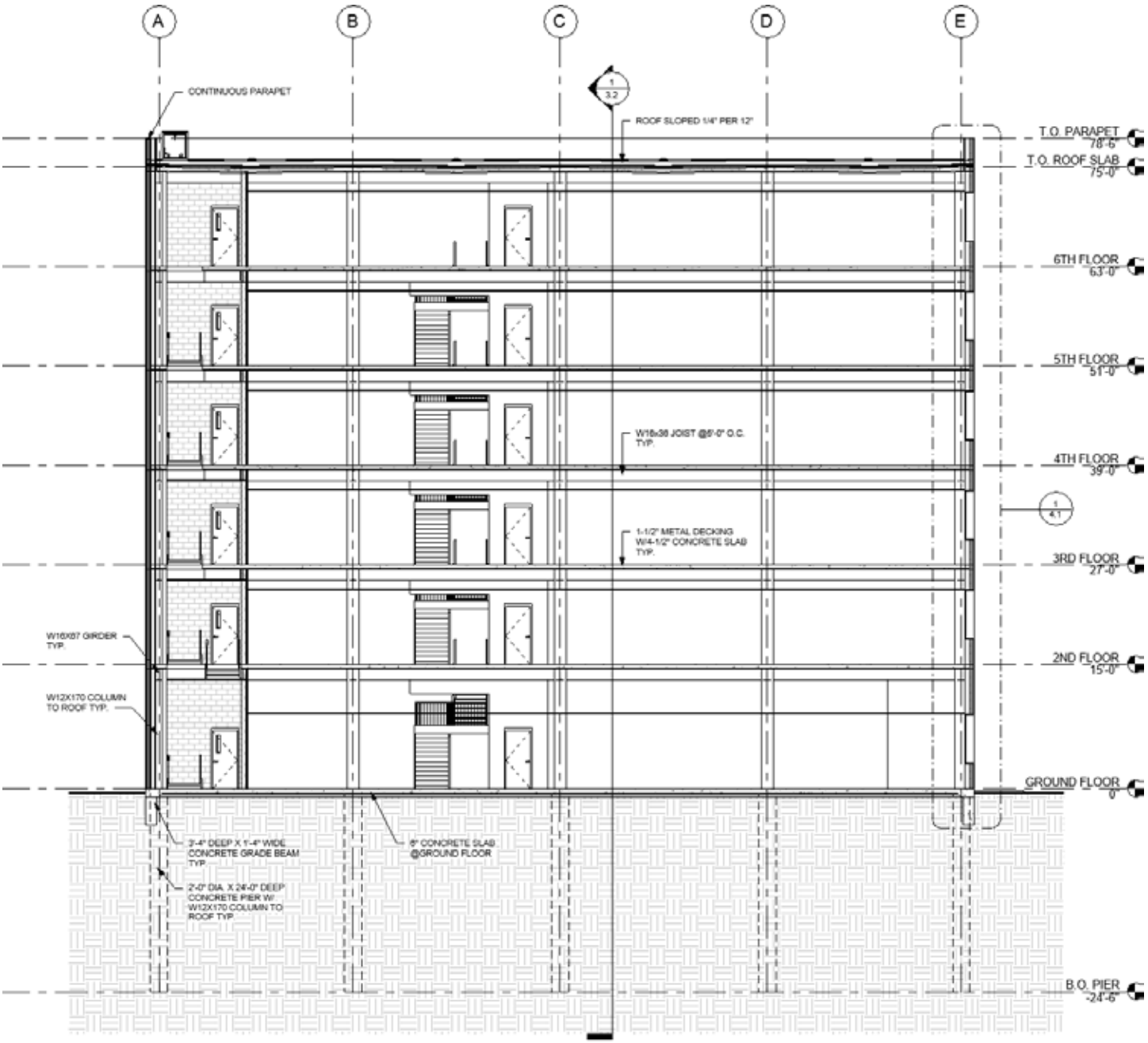

4
3
2
1
A
B
C
D
E
OPEN
OPEN
OPEN OFFICE
OPEN OFFICE

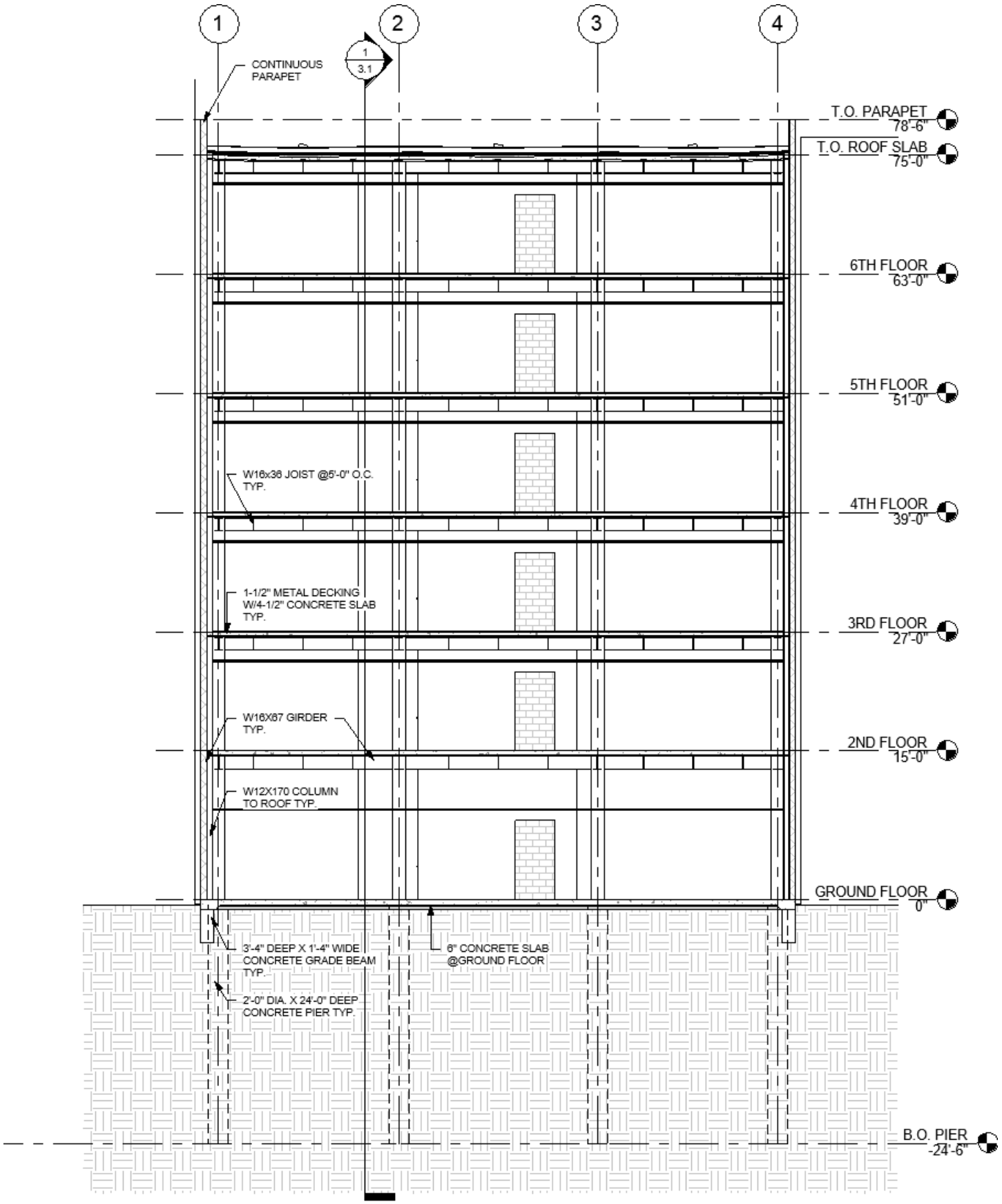


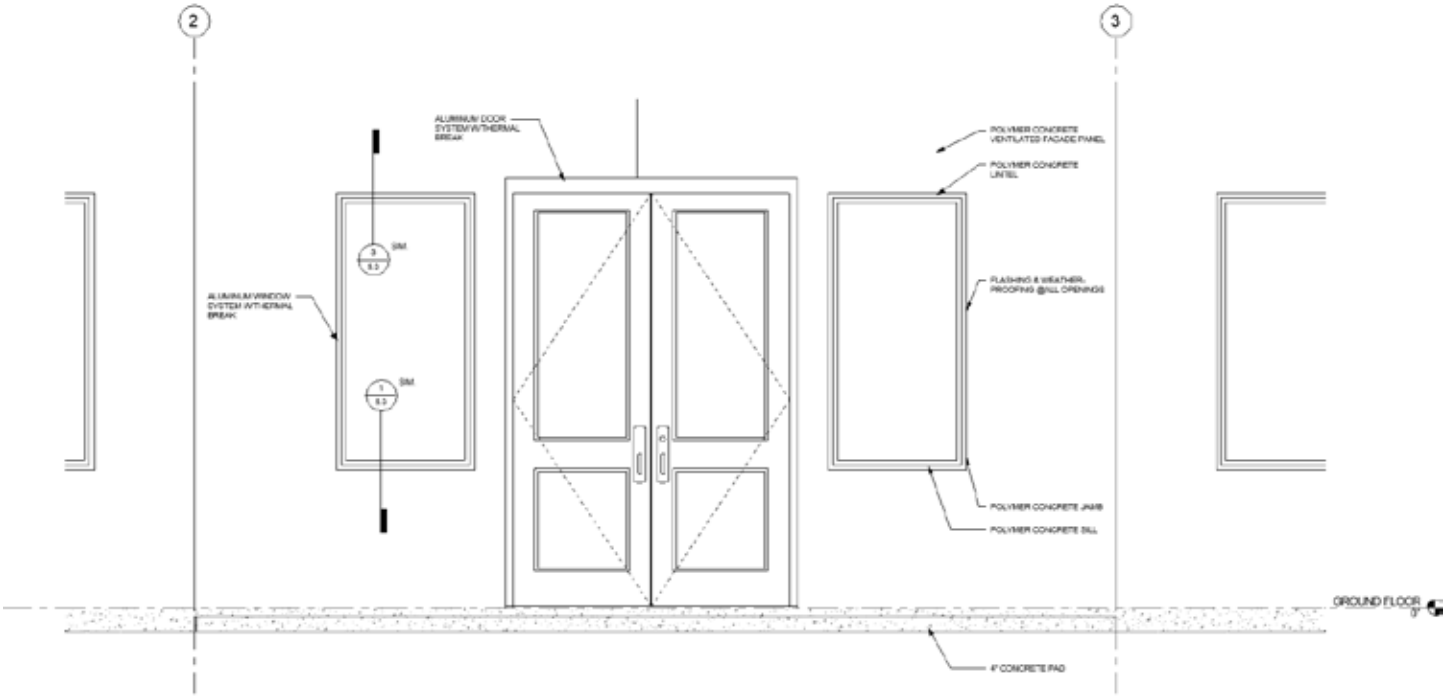


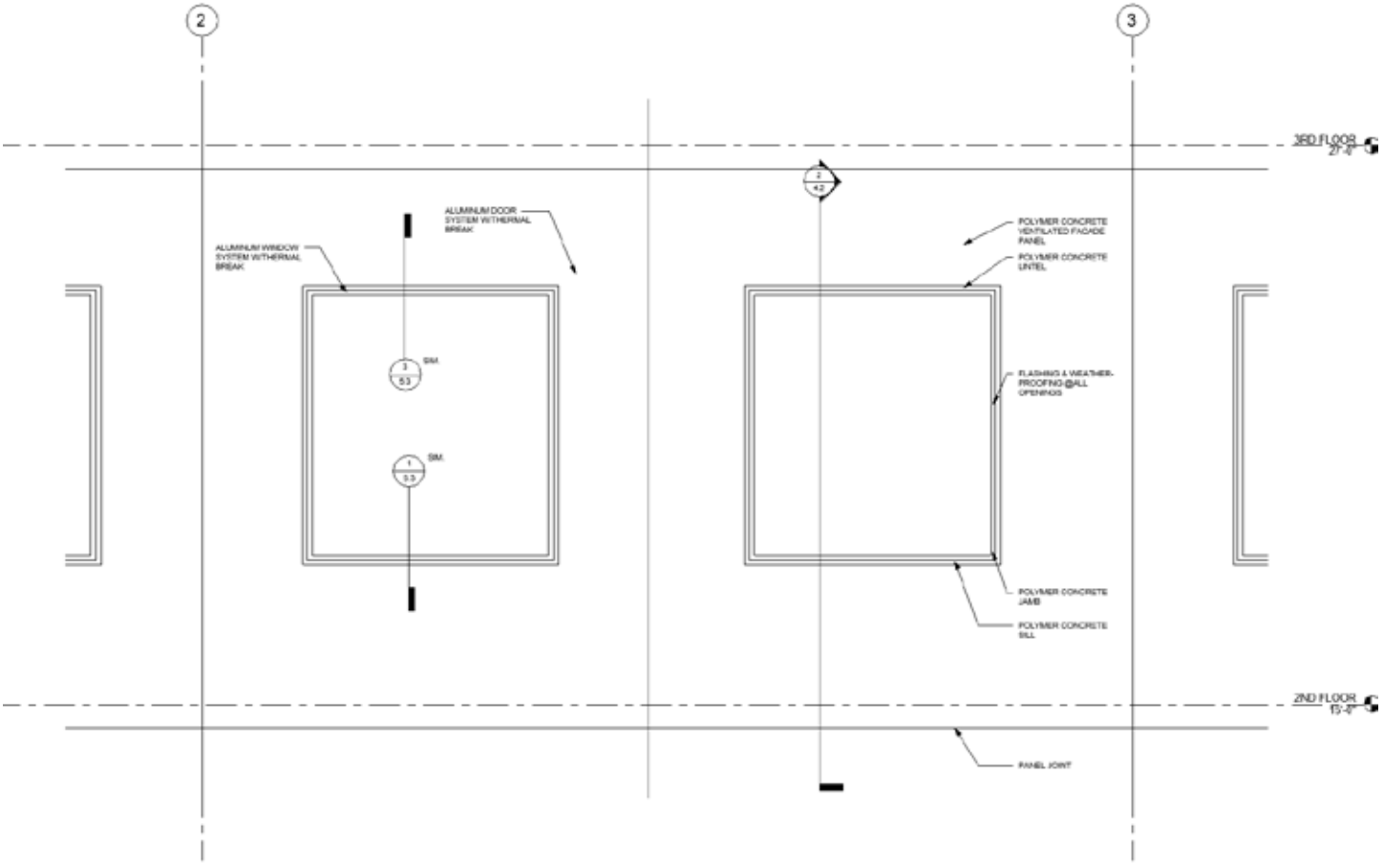

4
3
2
1
A
B
C
D
E

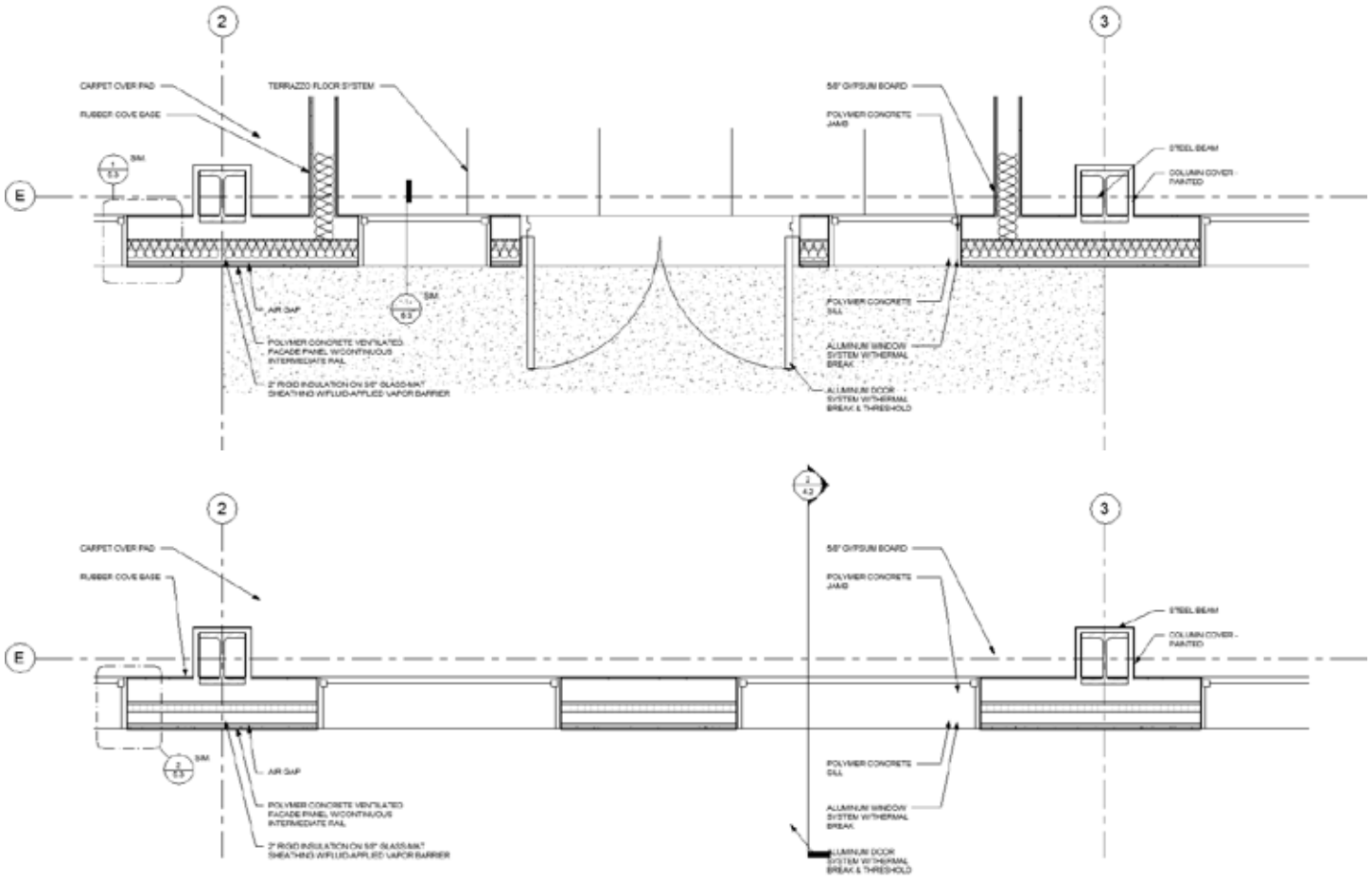

E
5/8" GLASS-MAT EXTERIOR SHEATHING W/FLUID-APPLIED VAPOR BARRIER, BOTH SIDES
1
5.1
SIM.
T.O. PARAPET
78'-6"
EPDM MEMBRANE ON 6" RIGID INSULATION. SLOPE 1/4" PER FOOT MIN. TO ROOF DRAINS
T.O. ROOF SLAB
75'-0"
LIGHTWEIGHT CONCRETE SLAB @ROOF W/STEEL ANGLE @SLAB EDGE ON METAL DECKING
4
5.1
SIM.
POLYMER CONCRETE LINTEL, SILL, & JAMB
2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
6TH FLOOR
63'-0"
3
5.3
SIM.
1
5.3
SIM.
CARRIER BRACKET ATTACHED TO FLOOR SLAB & BASE WALL
6" METAL STUD FRAMING @16" O.C.
3RD FLOOR
27'-0"
VENTILATED FACADE SYSTEM ON 6" METAL STUD WALL SYSTEM SPACED @16"O.C. W/R-21 BATT INSULATION
ALUMINUM WINDOW SYSTEM W/THERMAL BREAK
2
5.2
SIM.
CONCRETE SLAB W/STEEL ANGLE @SLAB EDGE ON METAL DECKING
2ND FLOOR
15'-0"
STEEL BEAM
STEEL COLUMN W/COVER
9'-0" TYP.
CARPET OVER PAD
@ENTRY: TERRAZZO FLOOR SYSTEM
1
5.2
SIM.
@RESTROOMS & RESTROOM HALLWAY: PORCELAIN TILE ON MORTAR
GROUND FLOOR
0"
10 MIL. POLY. VAPOR & RADON BARRIER
XPS RIGID INSULATION
DRAINAGE GRAVEL
GRADE BEAM
COLUMN PIER BEYOND

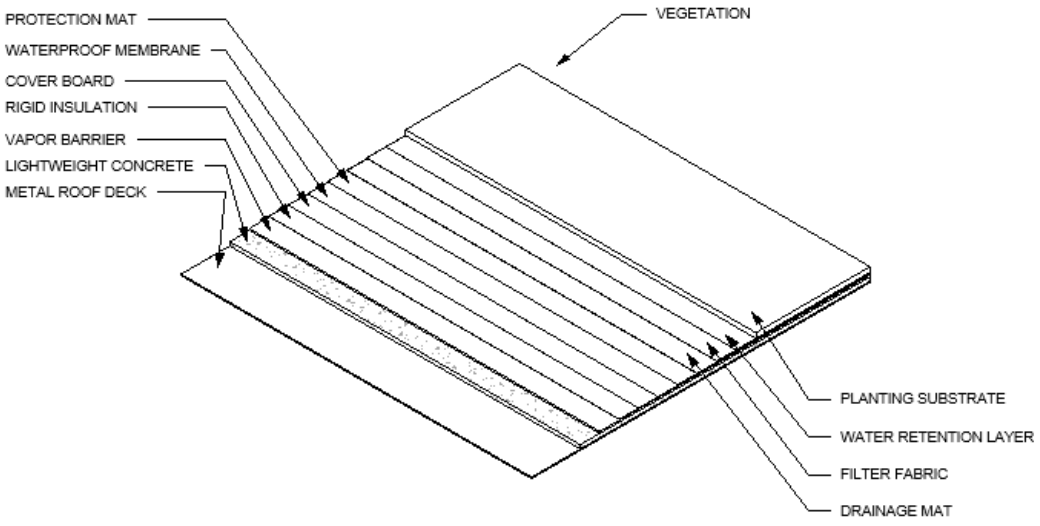

A
B
C
D
E
CONTINUOUS PARAPET
1
3.2
ROOF SLOPED 1/4" PER 12"
T.O. PARAPET
78'-6"
T.O. ROOF SLAB
75'-0"
6TH FLOOR
63'-0"
5TH FLOOR
51'-0"
W16x36 JOIST @5'-0" O.C.
TYP.
4TH FLOOR
39'-0"
1
4.1
1-1/2" METAL DECKING
W/4-1/2" CONCRETE SLAB
TYP.
3RD FLOOR
27'-0"
W16X67 GIRDER
TYP.
2ND FLOOR
15'-0"
W12X170 COLUMN
TO ROOF TYP.
GROUND FLOOR
0
3'-4" DEEP X 1'-4" WIDE
CONCRETE GRADE BEAM
TYP.
6" CONCRETE SLAB
@GROUND FLOOR
2'-0" DIA. X 24'-0" DEEP
CONCRETE PIER W/
W12X170 COLUMN TO
ROOF TYP.
B.O. PIER
-24'-6"

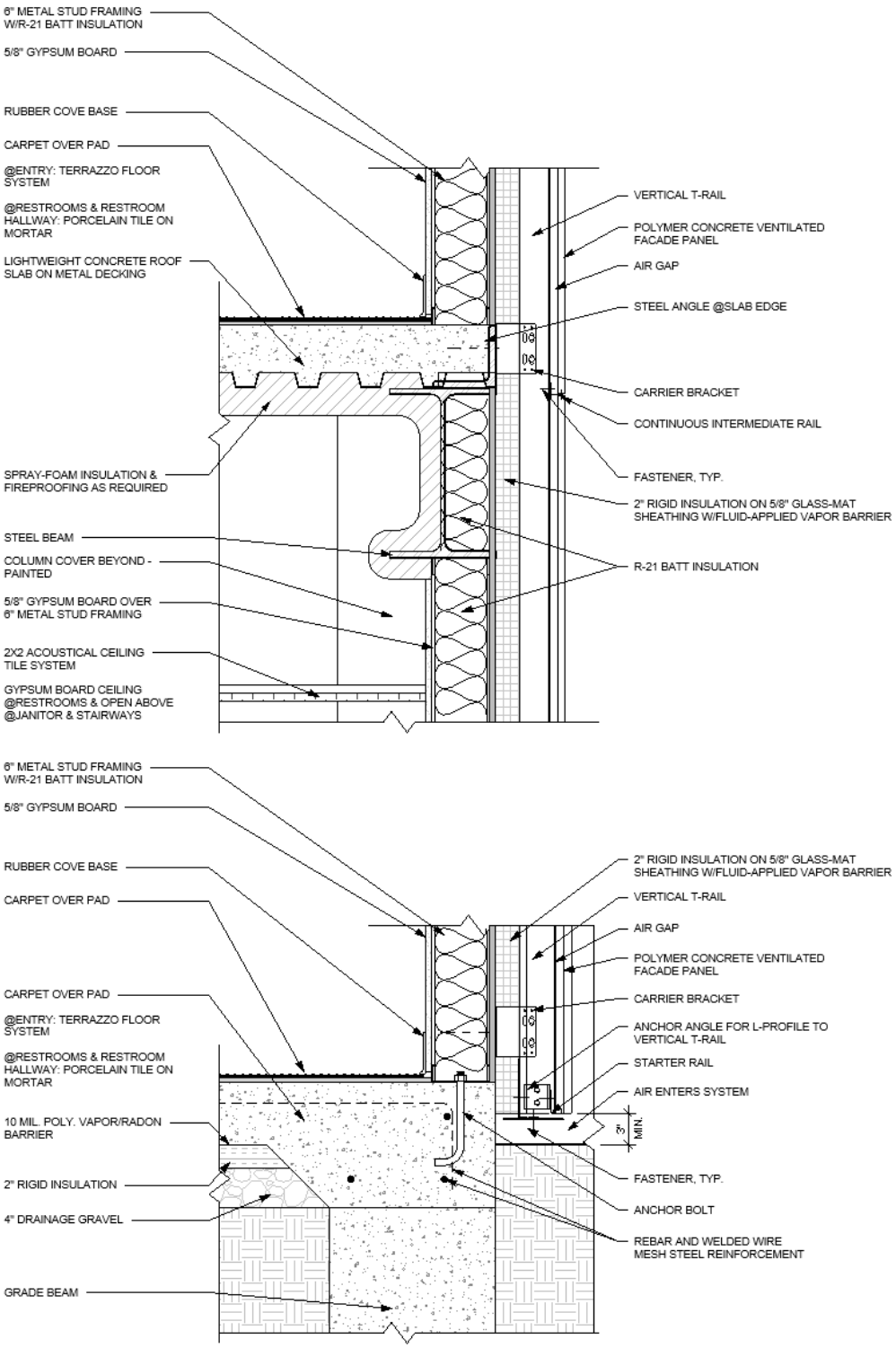

1
2
3
4
1
3.1
CONTINUOUS PARAPET
T.O. PARAPET 78'-6"
T.O. ROOF SLAB 75'-0"
6TH FLOOR 63'-0"
5TH FLOOR 51'-0"
W16x36 JOIST @5'-0" O.C. TYP.
4TH FLOOR 39'-0"
1-1/2" METAL DECKING W/4-1/2" CONCRETE SLAB TYP.
3RD FLOOR 27'-0"
W16X67 GIRDER TYP.
2ND FLOOR 15'-0"
W12X170 COLUMN TO ROOF TYP.
GROUND FLOOR 0"
3'-4" DEEP X 1'-4" WIDE CONCRETE GRADE BEAM TYP.
6" CONCRETE SLAB @GROUND FLOOR
2'-0" DIA. X 24'-0" DEEP CONCRETE PIER TYP.
B.O. PIER -24'-6"

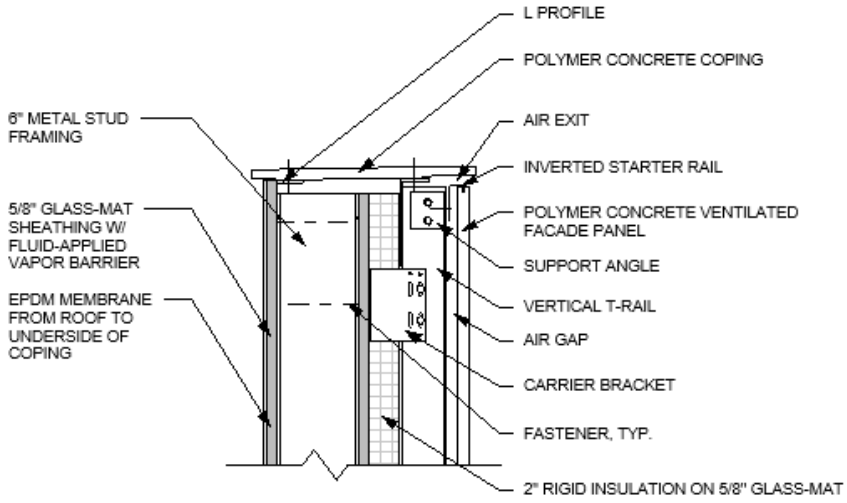

2
3
ALUMINUM DOOR SYSTEM W/THERMAL BREAK
POLYMER CONCRETE VENTILATED FACADE PANEL
POLYMER CONCRETE LINTEL
ALUMINUM WINDOW SYSTEM WITHERMAL BREAK
SIM.
FLASHING & WEATHER-PROOFING @ALL OPENINGS
POLYMER CONCRETE JAMB
POLYMER CONCRETE SILL
GROUND FLOOR
0'
4" CONCRETE PAD

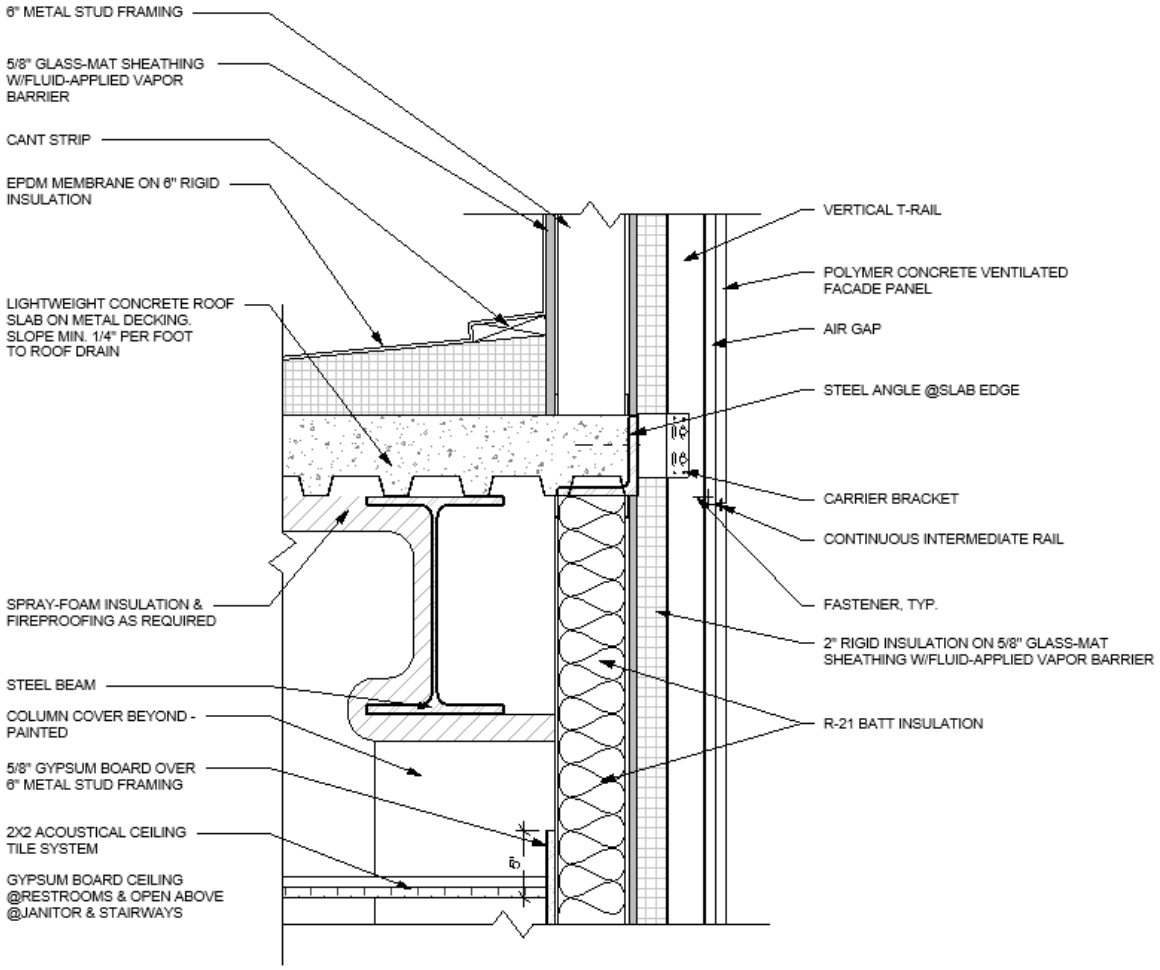

2
3
3RD FLOOR
27'-0"
ALUMINUM DOOR SYSTEM WITHERMAL BREAK
ALUMINUM WINDOW SYSTEM WITHERMAL BREAK
SIM.
POLYMER CONCRETE VENTILATED FACADE PANEL
POLYMER CONCRETE LINTEL
FLASHING & WEATHER-PROOFING @ALL OPENINGS
POLYMER CONCRETE JAMB
POLYMER CONCRETE SILL
2ND FLOOR
15'-0"
PANEL JOINT

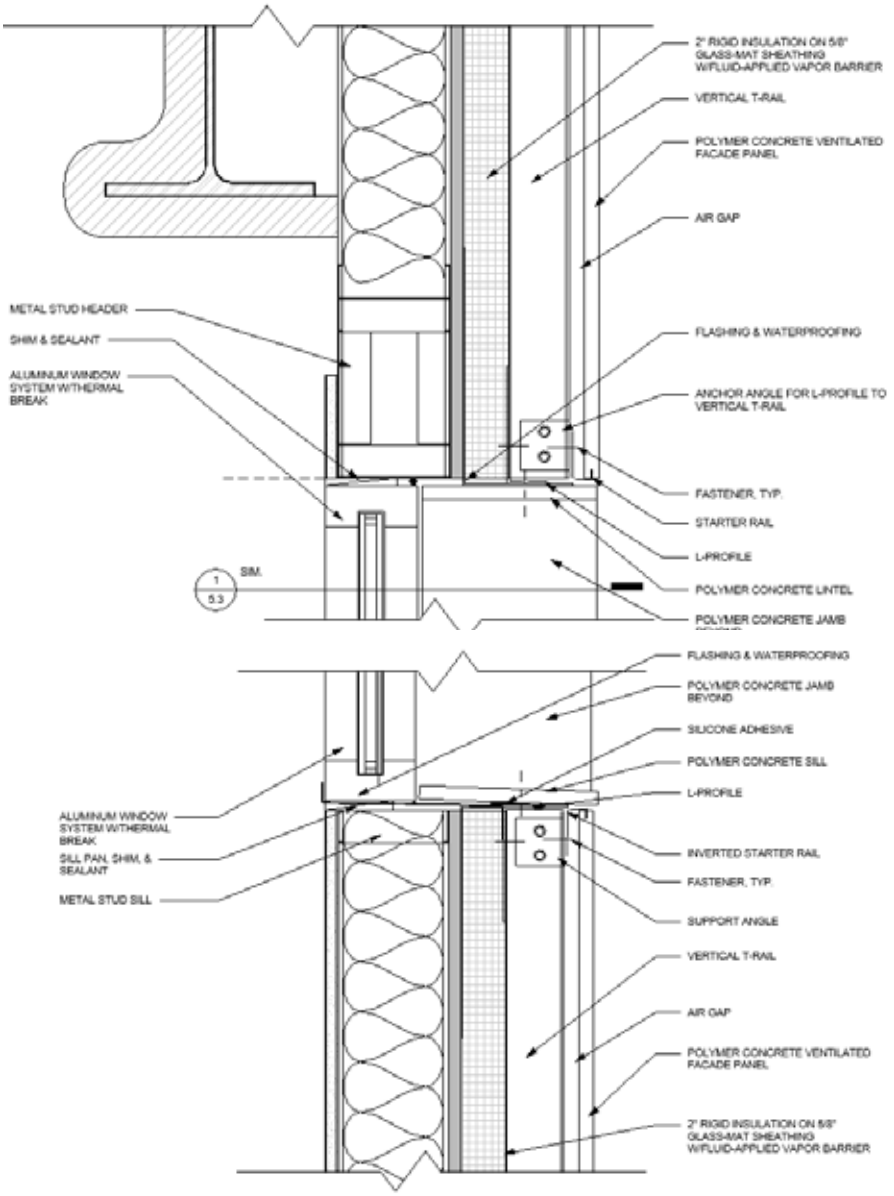

2
3
E
CARPET OVER PAD
RUBBER COVE BASE
TERRAZZO FLOOR SYSTEM
5/8" GYPSUM BOARD
POLYMER CONCRETE JAMB
STEEL BEAM
COLUMN COVER - PAINTED
AIR GAP
POLYMER CONCRETE VENTILATED FACADE PANEL W/CONTINUOUS INTERMEDIATE RAIL
2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
POLYMER CONCRETE SILL
ALUMINUM WINDOW SYSTEM W/THERMAL BREAK
ALUMINUM DOOR SYSTEM W/THERMAL BREAK & THRESHOLD

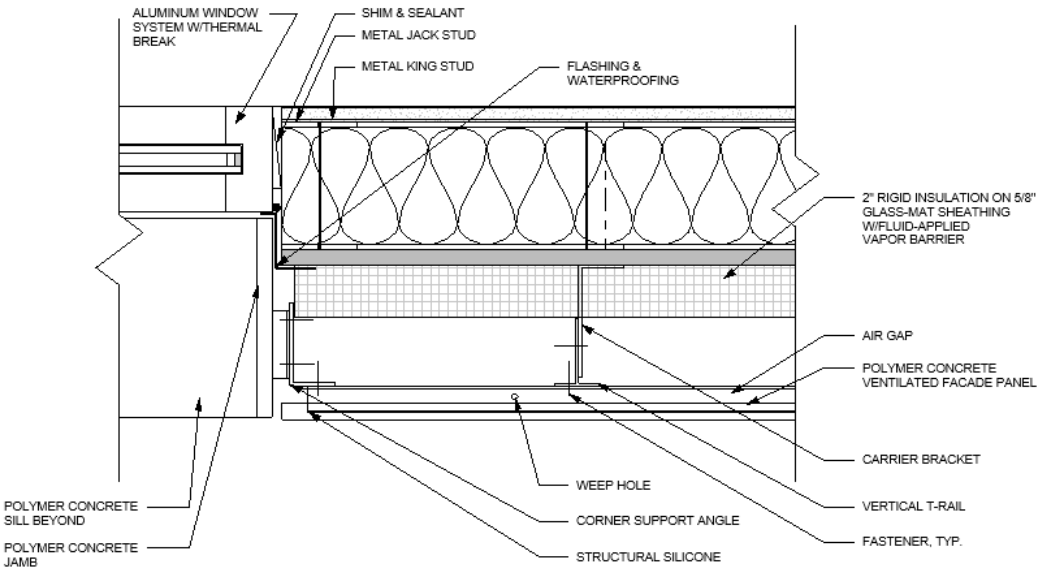

PROTECTION MAT
WATERPROOF MEMBRANE
COVER BOARD
RIGID INSULATION
VAPOR BARRIER
LIGHTWEIGHT CONCRETE
METAL ROOF DECK
VEGETATION
PLANTING SUBSTRATE
WATER RETENTION LAYER
FILTER FABRIC
DRAINAGE MAT


6" METAL STUD FRAMING W/R-21 BATT INSULATION
5/8" GYPSUM BOARD
RUBBER COVE BASE
CARPET OVER PAD
@ENTRY: TERRAZZO FLOOR SYSTEM
@RESTROOMS & RESTROOM HALLWAY: PORCELAIN TILE ON MORTAR
LIGHTWEIGHT CONCRETE ROOF SLAB ON METAL DECKING
SPRAY-FOAM INSULATION & FIREPROOFING AS REQUIRED
STEEL BEAM
COLUMN COVER BEYOND - PAINTED
5/8" GYPSUM BOARD OVER 6" METAL STUD FRAMING
2X2 ACOUSTICAL CEILING TILE SYSTEM
GYPSUM BOARD CEILING @RESTROOMS & OPEN ABOVE @JANITOR & STAIRWAYS
VERTICAL T-RAIL
POLYMER CONCRETE VENTILATED FACADE PANEL
AIR GAP
STEEL ANGLE @SLAB EDGE
CARRIER BRACKET
CONTINUOUS INTERMEDIATE RAIL
FASTENER, TYP.
2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
R-21 BATT INSULATION
6" METAL STUD FRAMING W/R-21 BATT INSULATION
5/8" GYPSUM BOARD
RUBBER COVE BASE
CARPET OVER PAD
CARPET OVER PAD
@ENTRY: TERRAZZO FLOOR SYSTEM
@RESTROOMS & RESTROOM HALLWAY: PORCELAIN TILE ON MORTAR
10 MIL. POLY. VAPOR/RADON BARRIER
2" RIGID INSULATION
4" DRAINAGE GRAVEL
GRADE BEAM
2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
VERTICAL T-RAIL
AIR GAP
POLYMER CONCRETE VENTILATED FACADE PANEL
CARRIER BRACKET
ANCHOR ANGLE FOR L-PROFILE TO VERTICAL T-RAIL
STARTER RAIL
AIR ENTERS SYSTEM
3" MIN.
FASTENER, TYP.
ANCHOR BOLT
REBAR AND WELDED WIRE MESH STEEL REINFORCEMENT


L PROFILE
POLYMER CONCRETE COPING
6" METAL STUD FRAMING
AIR EXIT
INVERTED STARTER RAIL
5/8" GLASS-MAT SHEATHING W/ FLUID-APPLIED VAPOR BARRIER
POLYMER CONCRETE VENTILATED FACADE PANEL
SUPPORT ANGLE
EPDM MEMBRANE FROM ROOF TO UNDERSIDE OF COPING
VERTICAL T-RAIL
AIR GAP
CARRIER BRACKET
FASTENER, TYP.
2" RIGID INSULATION ON 5/8" GLASS-MAT


6" METAL STUD FRAMING
5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
CANT STRIP
EPDM MEMBRANE ON 6" RIGID INSULATION
VERTICAL T-RAIL
POLYMER CONCRETE VENTILATED FACADE PANEL
LIGHTWEIGHT CONCRETE ROOF SLAB ON METAL DECKING. SLOPE MIN. 1/4" PER FOOT TO ROOF DRAIN
AIR GAP
STEEL ANGLE @SLAB EDGE
CARRIER BRACKET
CONTINUOUS INTERMEDIATE RAIL
FASTENER, TYP.
SPRAY-FOAM INSULATION & FIREPROOFING AS REQUIRED
2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
STEEL BEAM
COLUMN COVER BEYOND - PAINTED
R-21 BATT INSULATION
5/8" GYPSUM BOARD OVER 6" METAL STUD FRAMING
2X2 ACOUSTICAL CEILING TILE SYSTEM
6"
GYPSUM BOARD CEILING @RESTROOMS & OPEN ABOVE @JANITOR & STAIRWAYS


2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
VERTICAL T-RAIL
POLYMER CONCRETE VENTILATED FACADE PANEL
AIR GAP
METAL STUD HEADER
SHIM & SEALANT
ALUMINUM WINDOW SYSTEM W/THERMAL BREAK
FLASHING & WATERPROOFING
ANCHOR ANGLE FOR L-PROFILE TO VERTICAL T-RAIL
FASTENER, TYP.
STARTER RAIL
L-PROFILE
1
5.3
SIM.
POLYMER CONCRETE LINTEL
POLYMER CONCRETE JAMB
FLASHING & WATERPROOFING
POLYMER CONCRETE JAMB BEYOND
SILICONE ADHESIVE
POLYMER CONCRETE SILL
L-PROFILE
ALUMINUM WINDOW SYSTEM W/THERMAL BREAK
SILL PAN, SHIM, & SEALANT
METAL STUD SILL
INVERTED STARTER RAIL
FASTENER, TYP.
SUPPORT ANGLE
VERTICAL T-RAIL
AIR GAP
POLYMER CONCRETE VENTILATED FACADE PANEL
2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER


ALUMINUM WINDOW SYSTEM W/THERMAL BREAK
SHIM & SEALANT
METAL JACK STUD
METAL KING STUD
FLASHING & WATERPROOFING
2" RIGID INSULATION ON 5/8" GLASS-MAT SHEATHING W/FLUID-APPLIED VAPOR BARRIER
AIR GAP
POLYMER CONCRETE VENTILATED FACADE PANEL
CARRIER BRACKET
WEEP HOLE
VERTICAL T-RAIL
CORNER SUPPORT ANGLE
FASTENER, TYP.
STRUCTURAL SILICONE
POLYMER CONCRETE SILL BEYOND
POLYMER CONCRETE JAMB

Miscellaneous Techniques

Measuring and Notes
Photography
Model Building
Computer Rendering
Hand Drawing/Sketching
Watercolor and Charcoal
Line Drawing

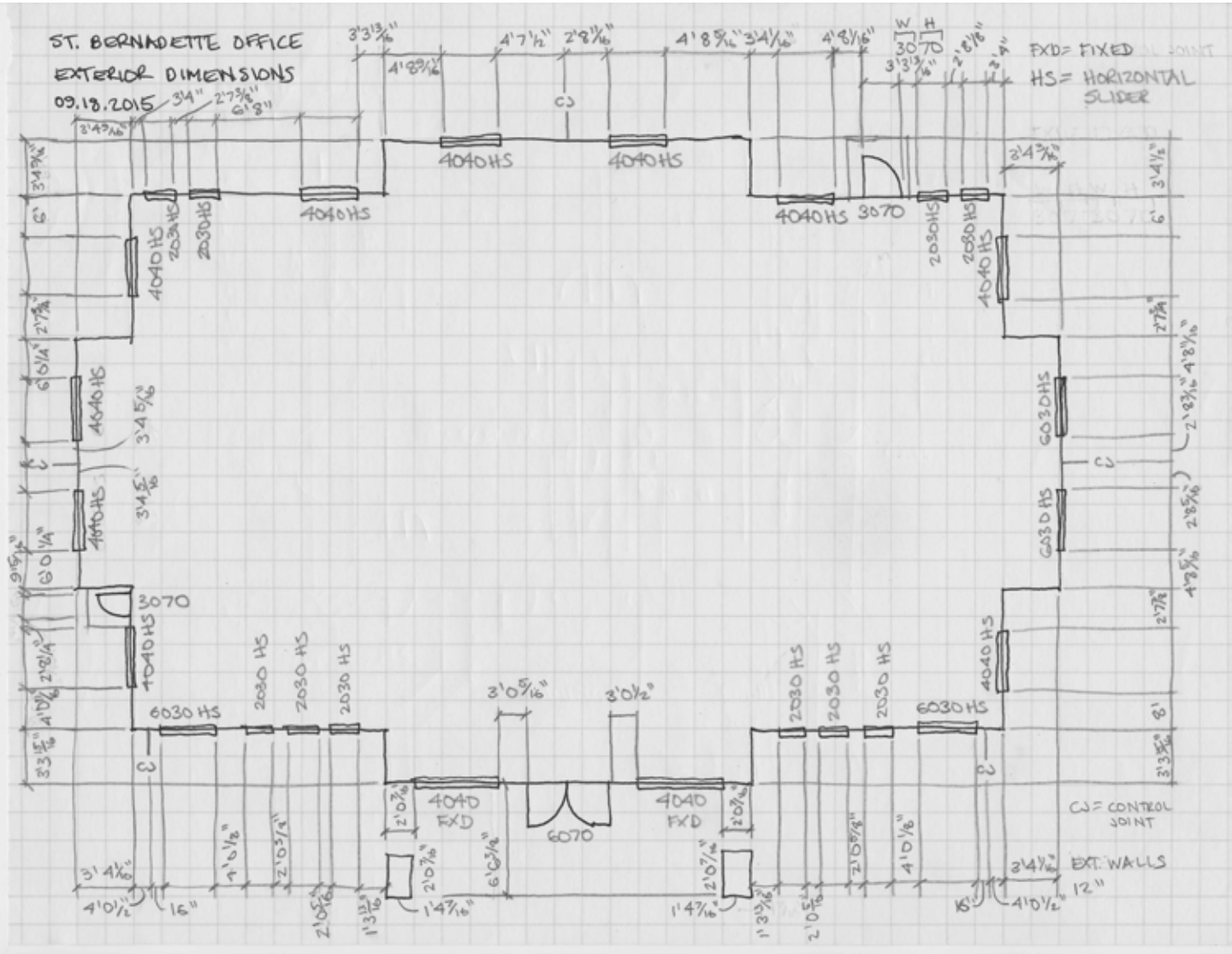
Problem

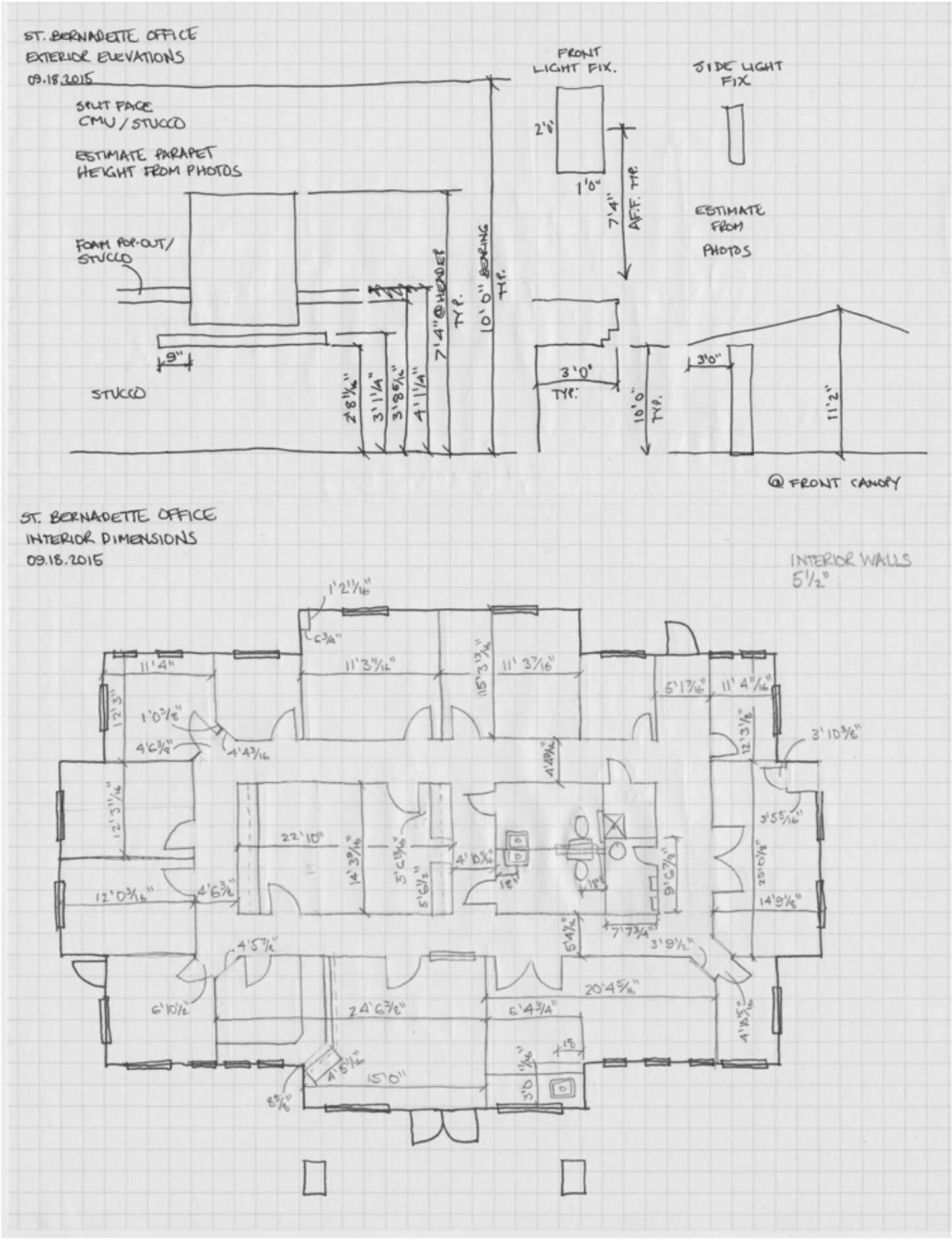
Designers are faced with different problems that require unique solutions through the use of multiple communication techniques of various mediums.

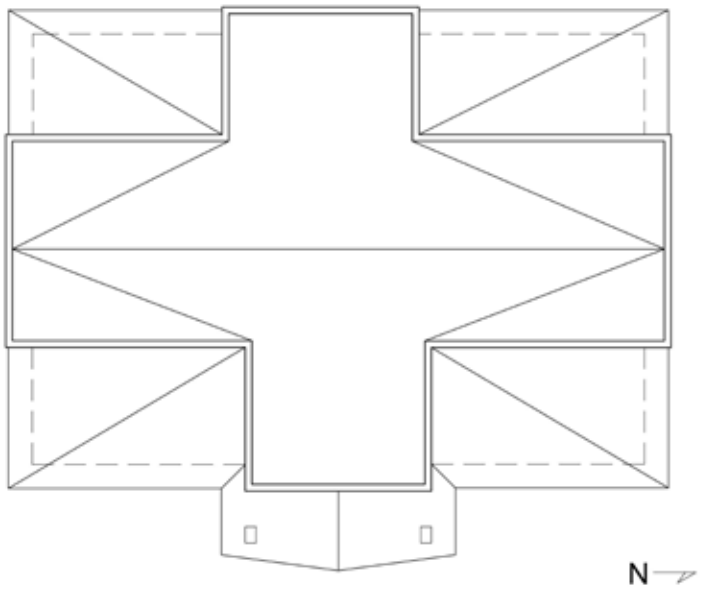
Solution

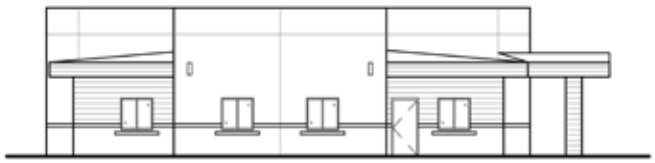
Several mediums exist for the exploration and documenting existing spaces and exploring design solutions. These include visiting sites for taking measurements and notes of existing conditions, sketching, rendering scenes, building models, and photography.

Measuring and Notes



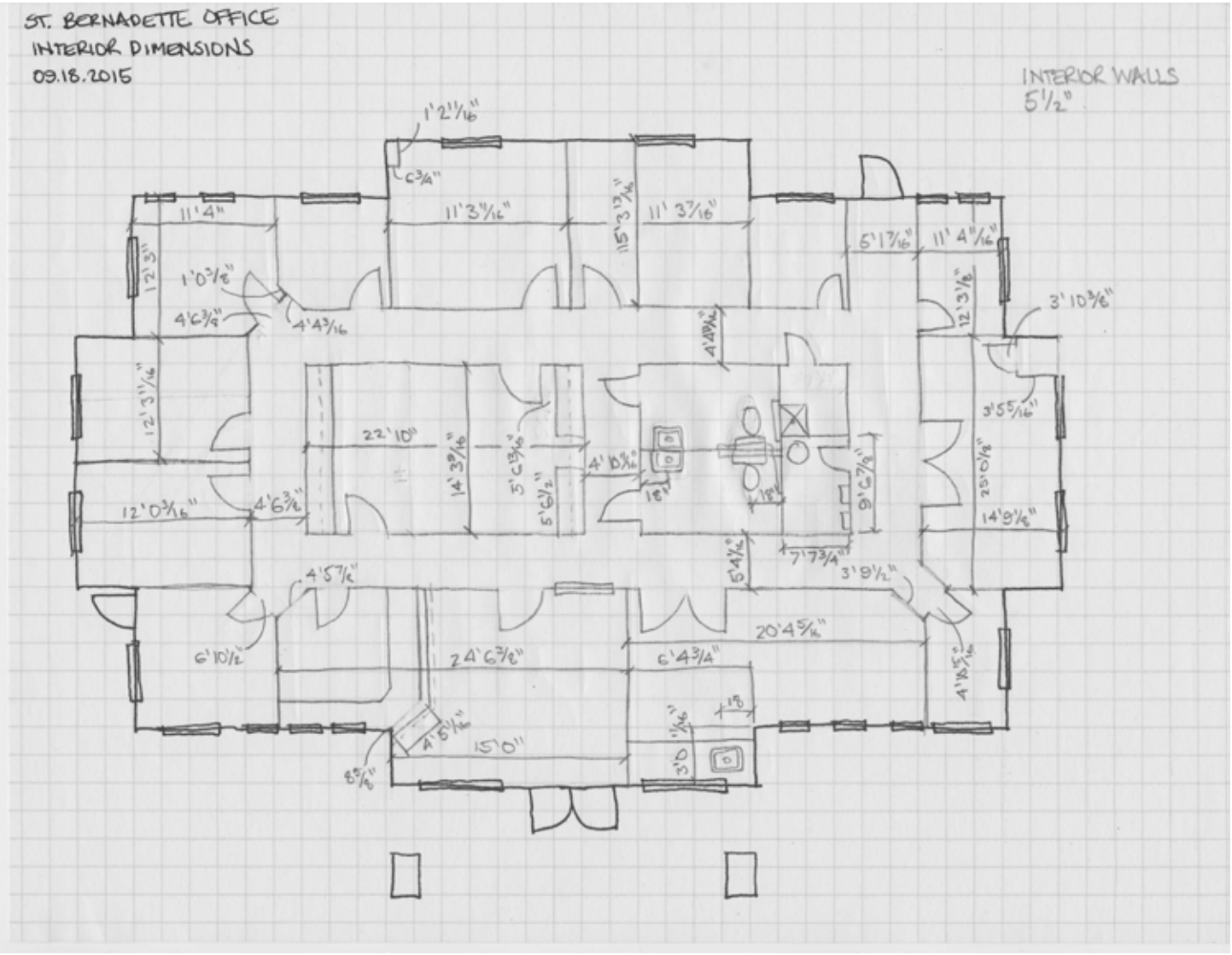

ST. BERNADETTE OFFICE
EXTERIOR ELEVATIONS
09.18.2015
SPLIT FACE
CMU / STUCCO
ESTIMATE PARAPET
HEIGHT FROM PHOTOS
FOAM POP-OUT/
STUCCO
9"
STUCCO
2'8 1/16"
3'1 1/4"
3'8 5/16"
4'1 1/4"
7'4" @ HEADER
TYP.
10'0" BEARING
TYP.
FRONT
LIGHT FIX.
2'8"
1'0"
7'4"
A.F.F. TYP.
SIDE LIGHT
FIX
ESTIMATE
FROM
PHOTOS
3'0"
TYP.
10'0"
TYP.
3'0"
11'2"
@ FRONT CANOPY
ST. BERNADETTE OFFICE
INTERIOR DIMENSIONS
09.18.2015
INTERIOR WALLS
5 1/2"
1'2 1/16"
C 3/4"
11'4"
11'3 1/16"
11'3 13/16"
11'3 7/16"
5'1 7/16"
11'4 1/16"
12'3"
1'0 3/8"
4'6 3/4"
4'4 3/16"
12'3 1/16"
4'4 9/16"
12'3 1/8"
3'10 3/8"
3'5 5/16"
22'10"
14'3 9/16"
5'6 13/16"
5'6 1/2"
4'10 3/16"
18"
9'6 7/8"
25'0 1/8"
12'0 3/16"
4'6 3/8"
14'9 1/8"
5'4 1/2"
7'7 3/4"
3'9 1/2"
4'5 7/8"
6'10 1/2"
20'4 5/16"
24'6 3/8"
6'4 3/4"
4'8 15/16"
4'5 1/16"
15'0"
8 5/8"
3'0"

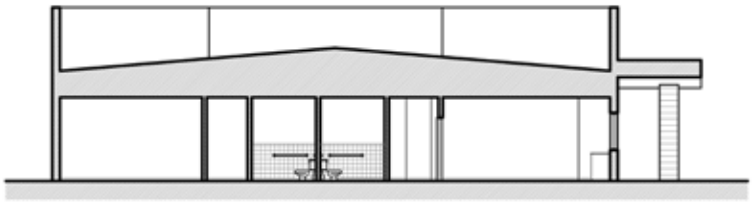




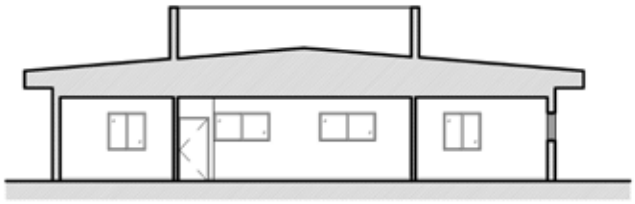
SOUTH ELEVATION

NORTH ELEVATION



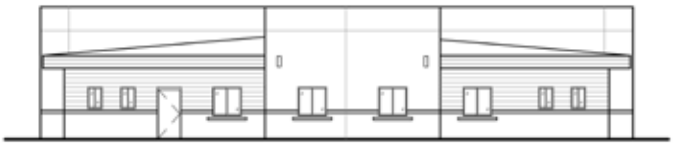


BUILDING SECTION

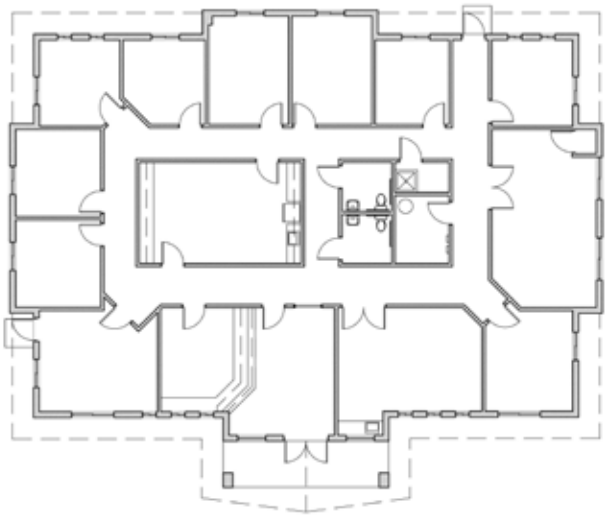


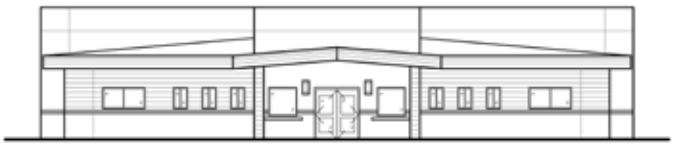
BUILDING SECTION

Photography



WEST ELEVATION

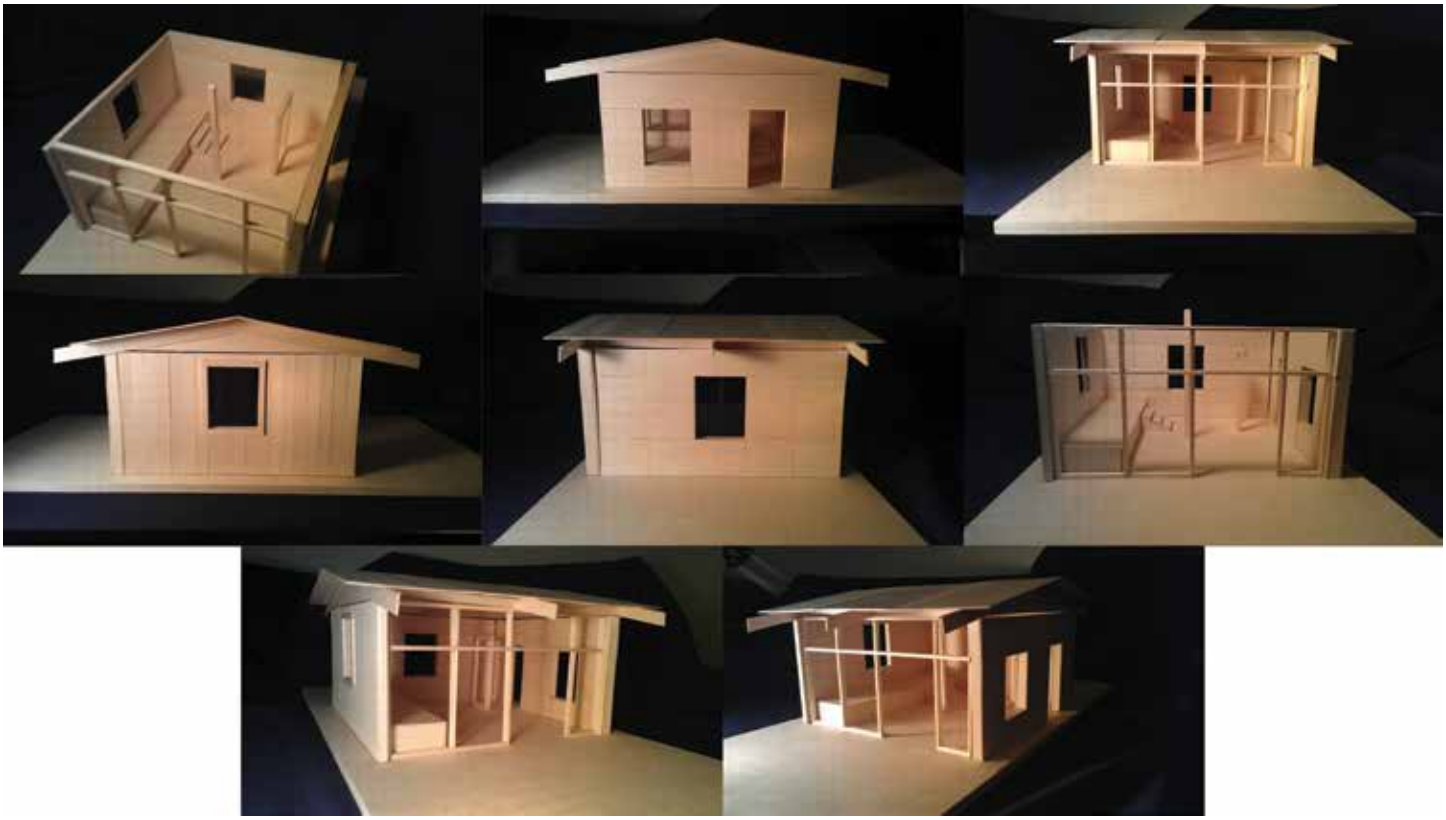


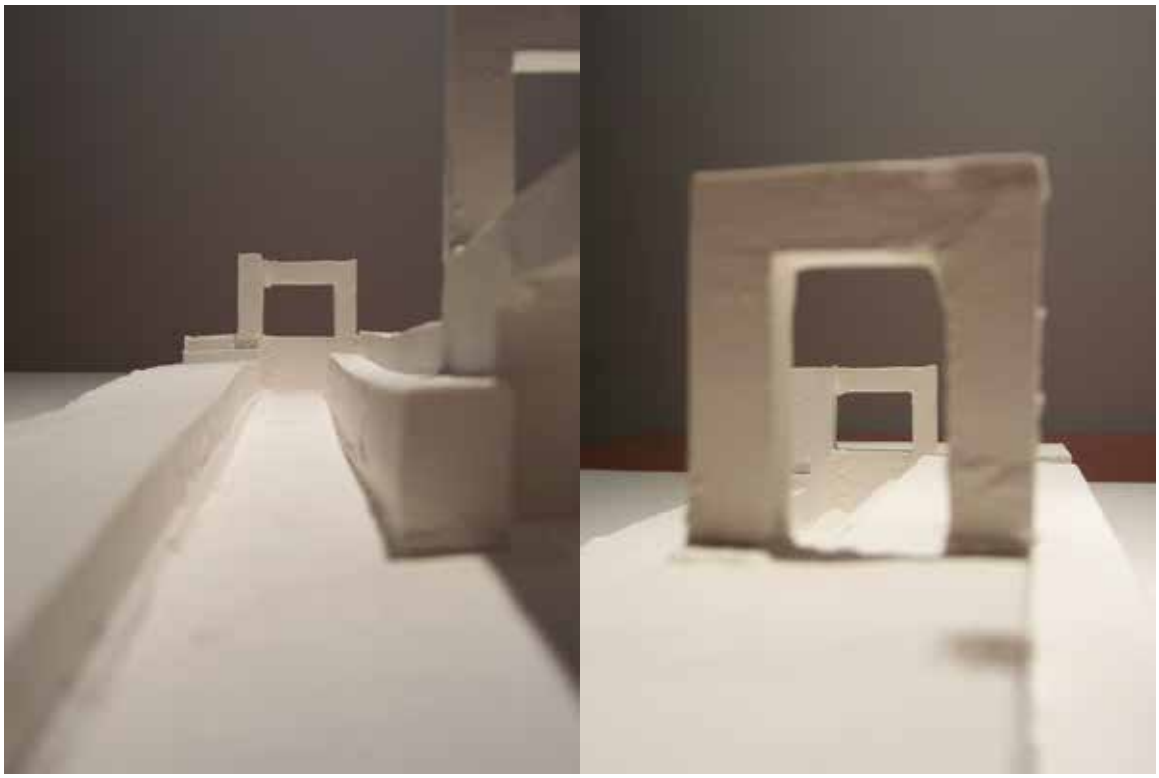


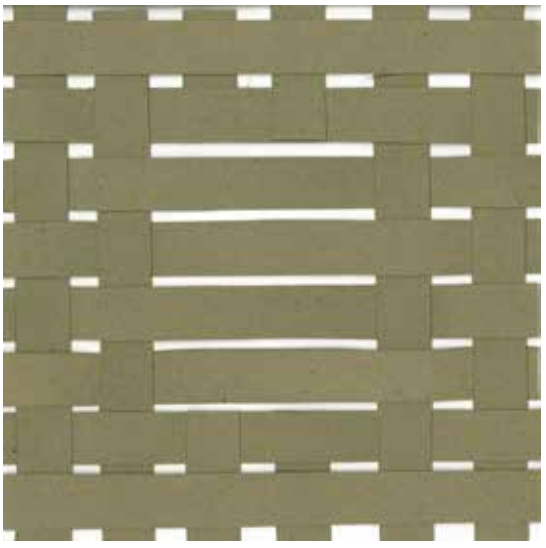
EAST ELEVATION


OFFICE

Model Building

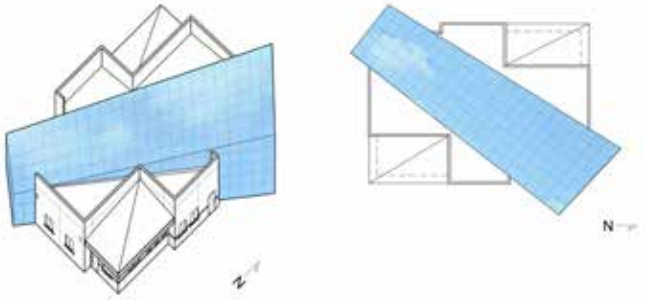




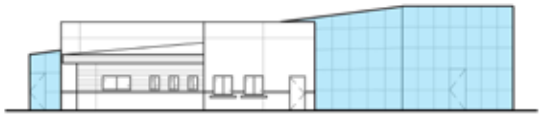


Computer Rendering

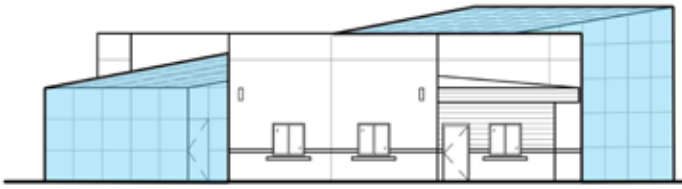
BUILDING SECTION



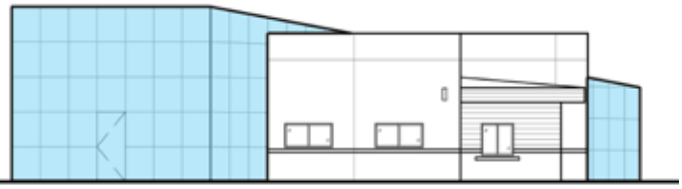
WEST ELEVATION



EAST ELEVATION

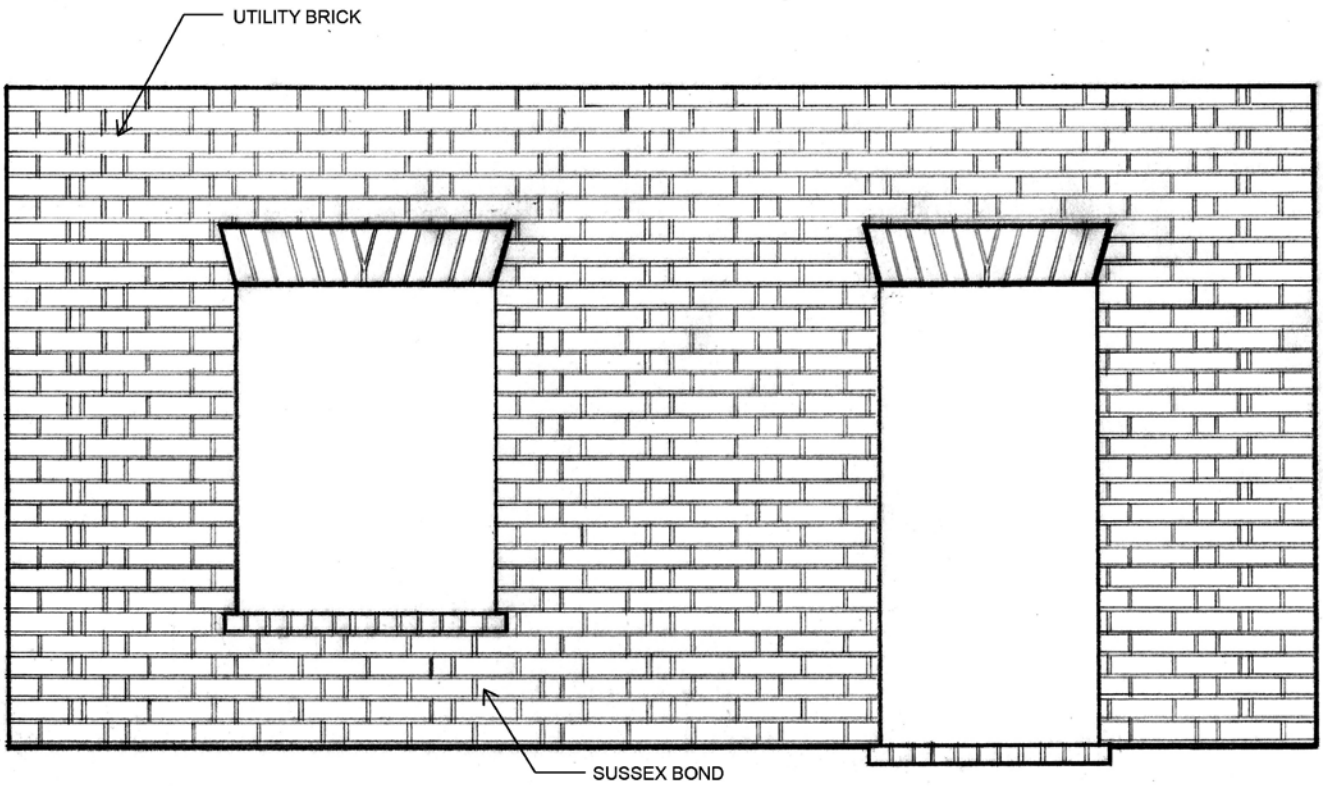


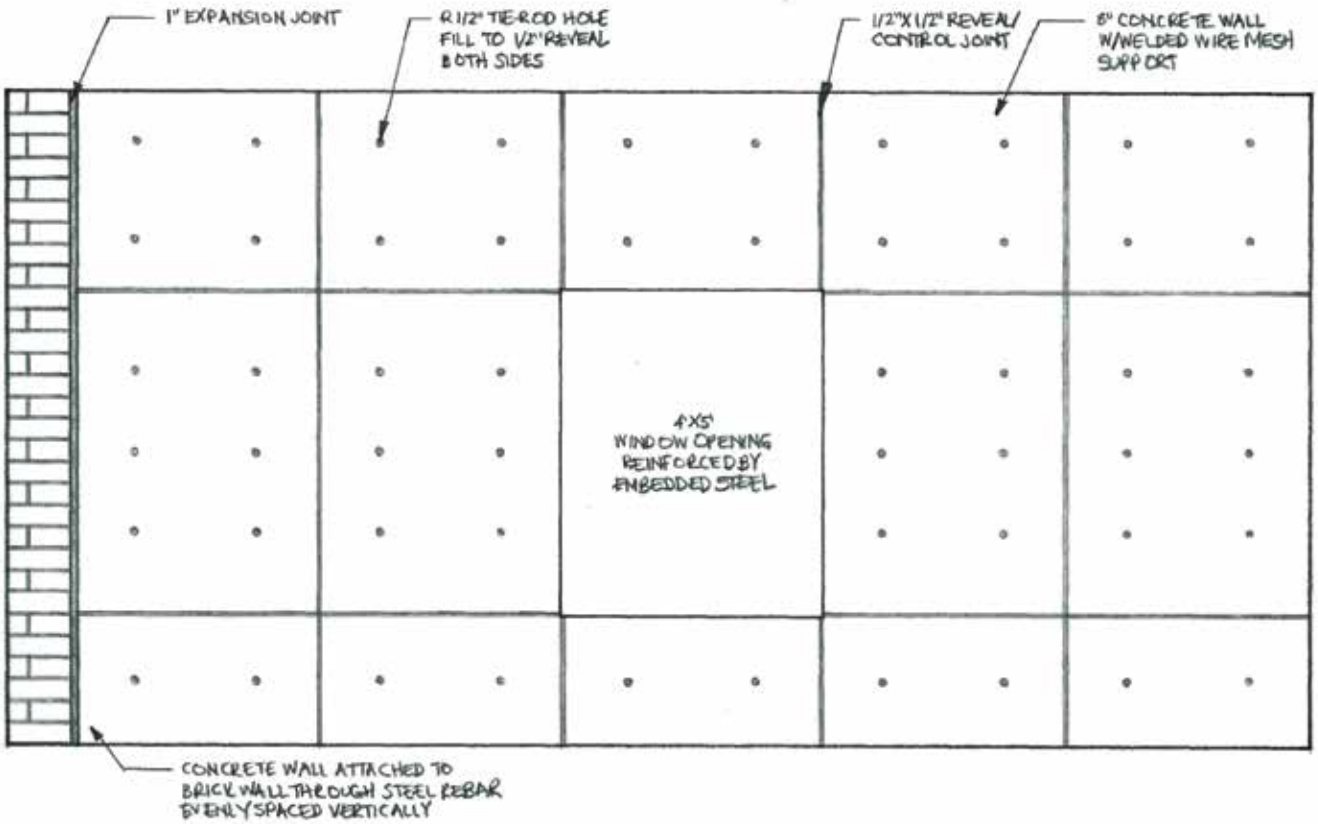
SOUTH ELEVATION

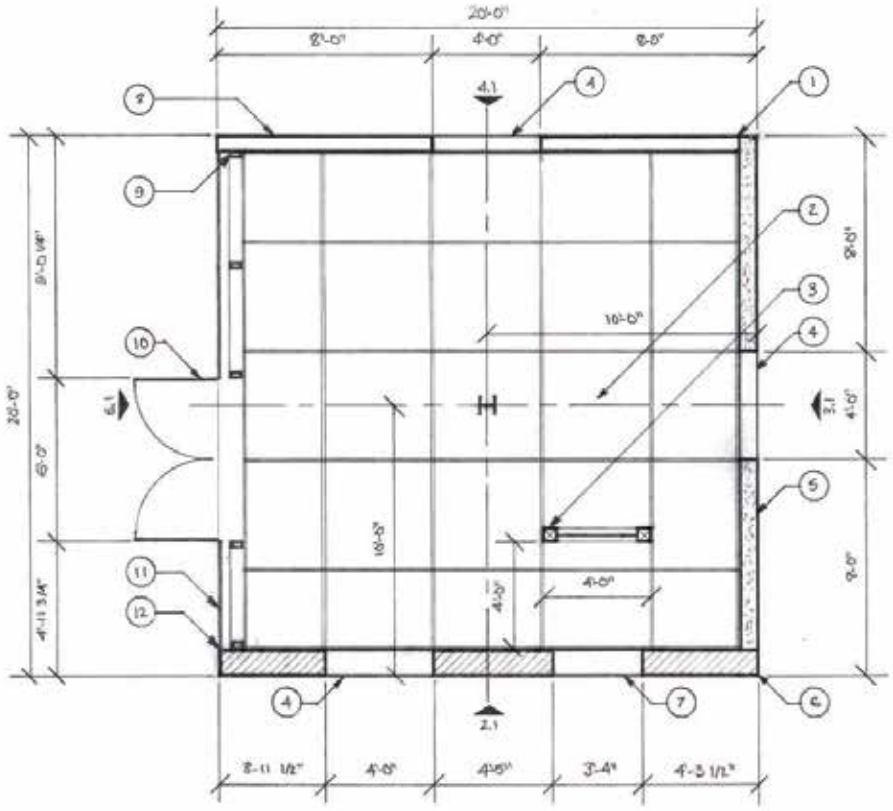


NORTH ELEVATION

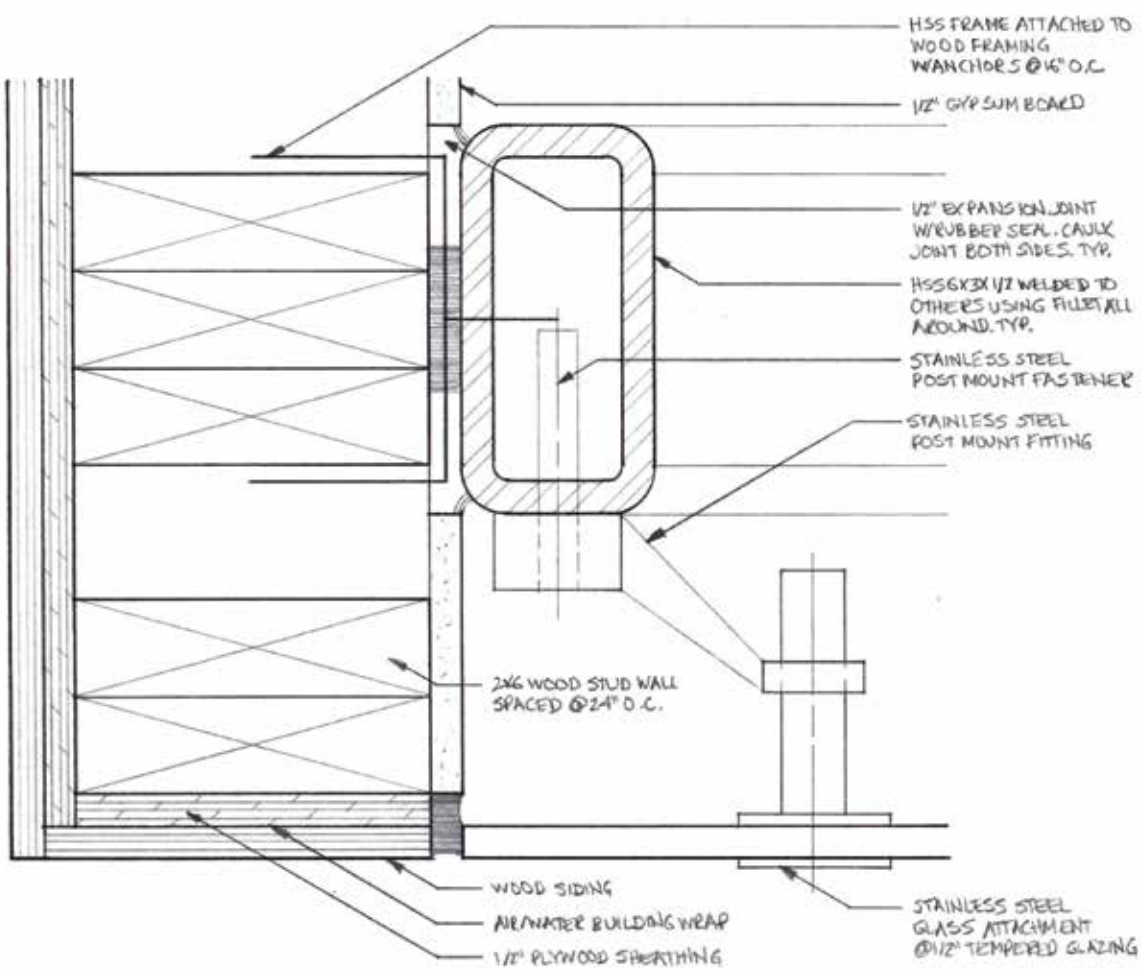
Hand Drawing/Sketching

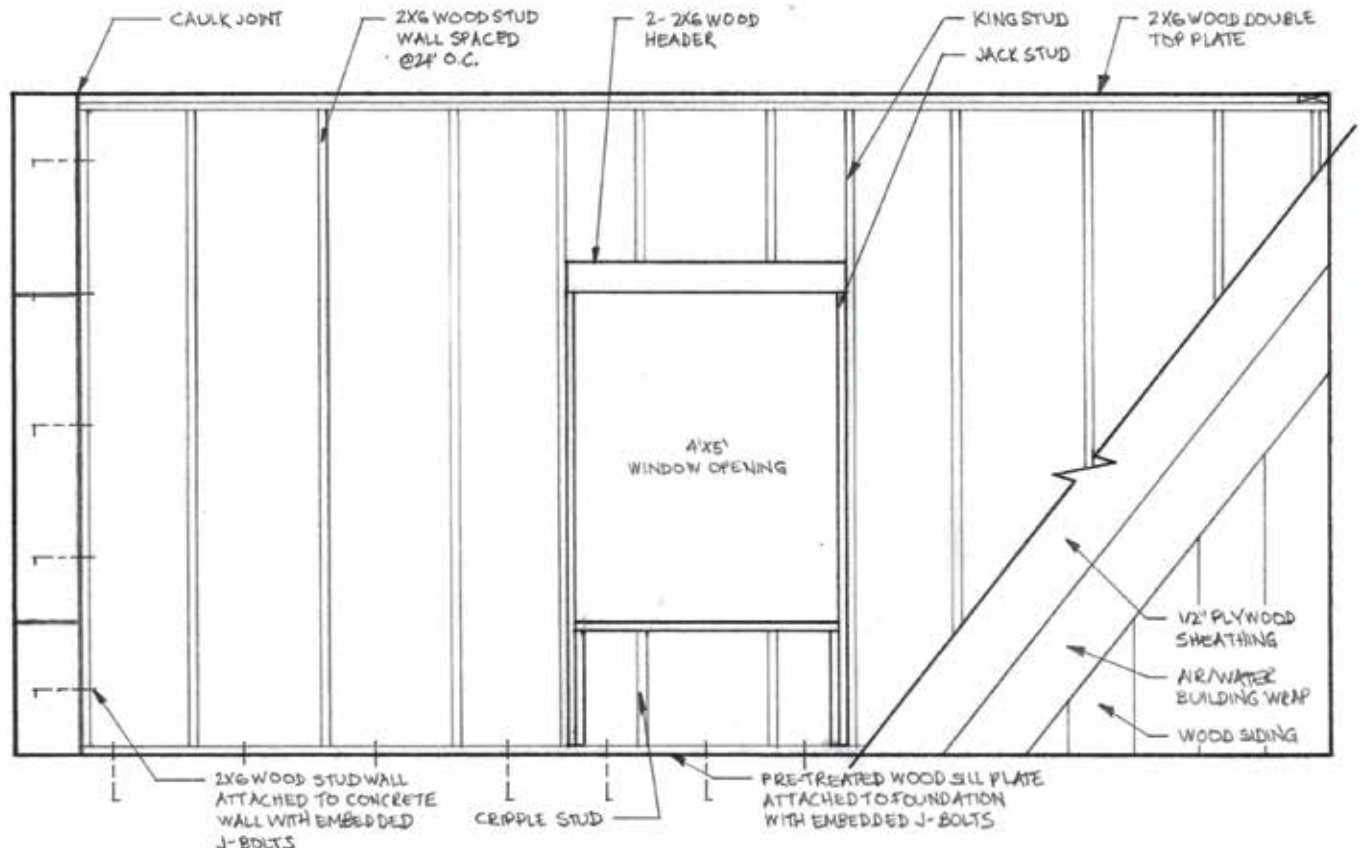


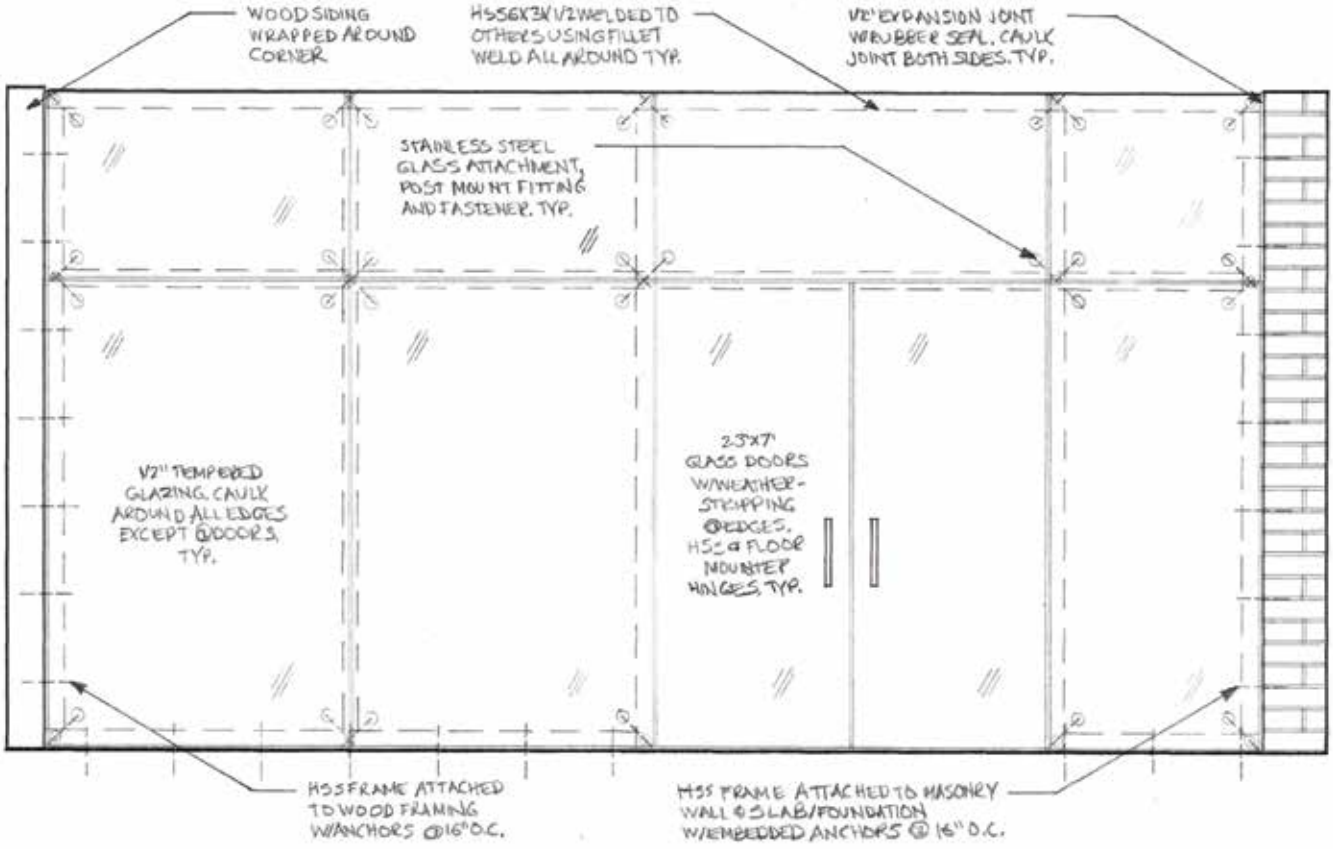


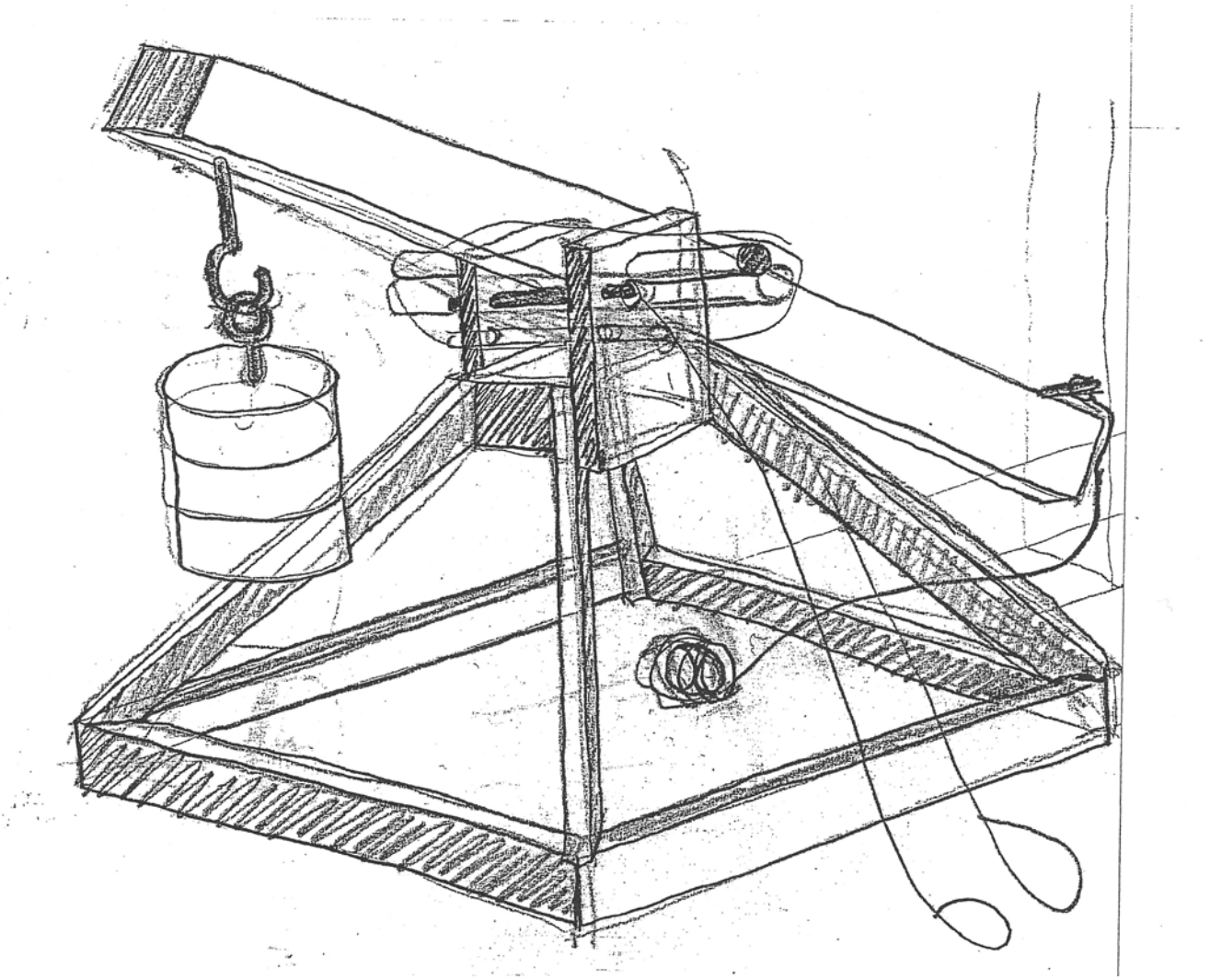


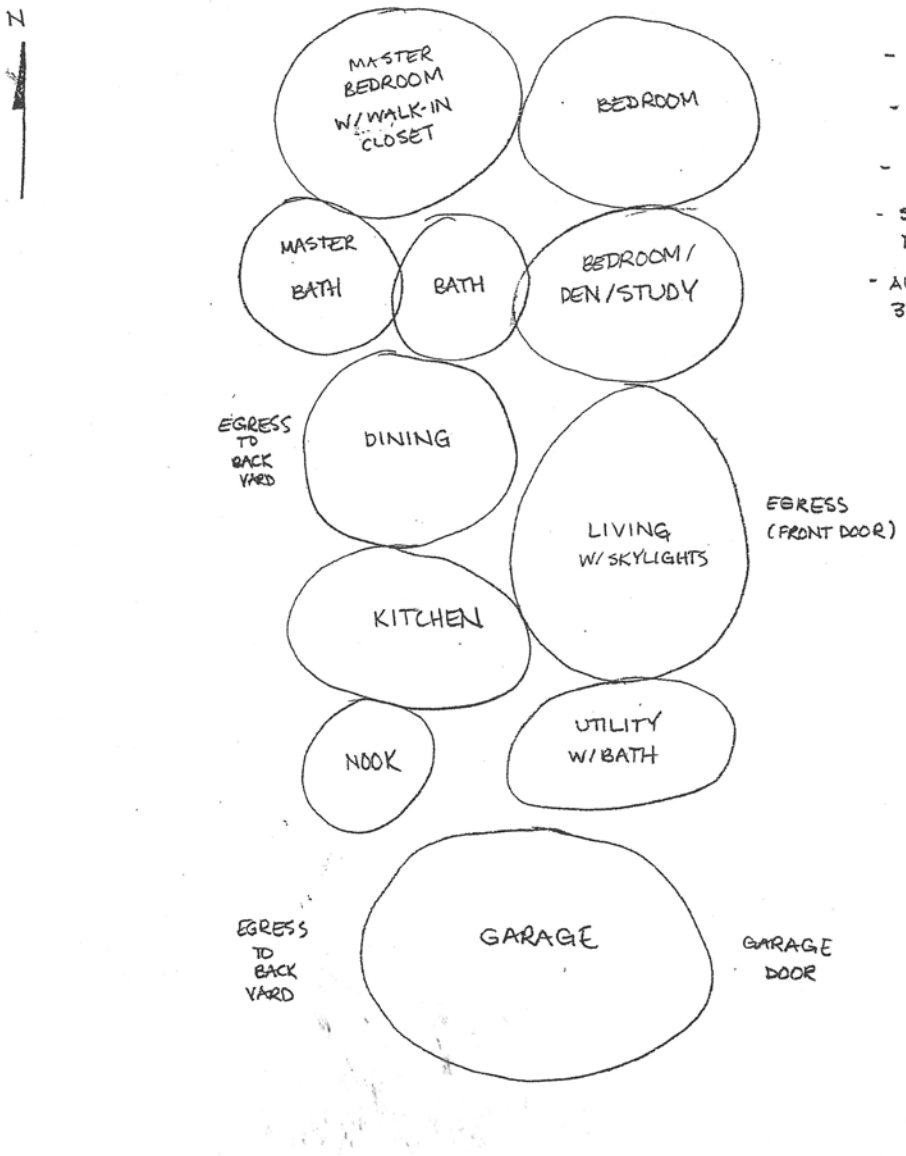
1. 2X6 W WOOD STUD WALL ATTACHED TO CONCRETE WALL W/EMBEDDED J-BOLTS
2. 4X4 TERRAZZO FLOORING W/1/2" JOINTS CENTERED ON FULL HEIGHT W6X81 STEEL COLUMN
3. 8'-0" HIGH, EXG TIMBER FRAME W/1/2" TEMPERED FROSTED GLAZING
4. 4'X5' OPENING
5. 8" CONCRETE WALL W/WELDED WIRE MESH ATTACHED TO BRICK WALL THROUGH STEEL REBAR @16" O.C. 1" EXPANSION JOINT W/RUBBER SEAL CAULK JOINT
6. UTILITY BRICK WALL. SUSSEX BOND
7. 3'X7' DOORWAY
8. WOOD SIDING OVER AIR/MOISTURE BARRIER
9. HSS FRAME ATTACHED TO WOOD FRAMING W/ANCHORS @16" O.C.
10. 2-3'X7' GLASS DOORS
11. 1/2" FULL HEIGHT TEMPERED GLAZING W/STAINLESS STEEL GLASS ATTACHMENT, POST MOUNT FITTING AND FASTENER
12. HSS FRAME ATTACHED TO MASONRY WALL W/EMBEDDED ANCHORS @16" O.C. 1/2" EXPANSION JOINT W/RUBBER SEAL CAULK JOINT BOTH SIDES

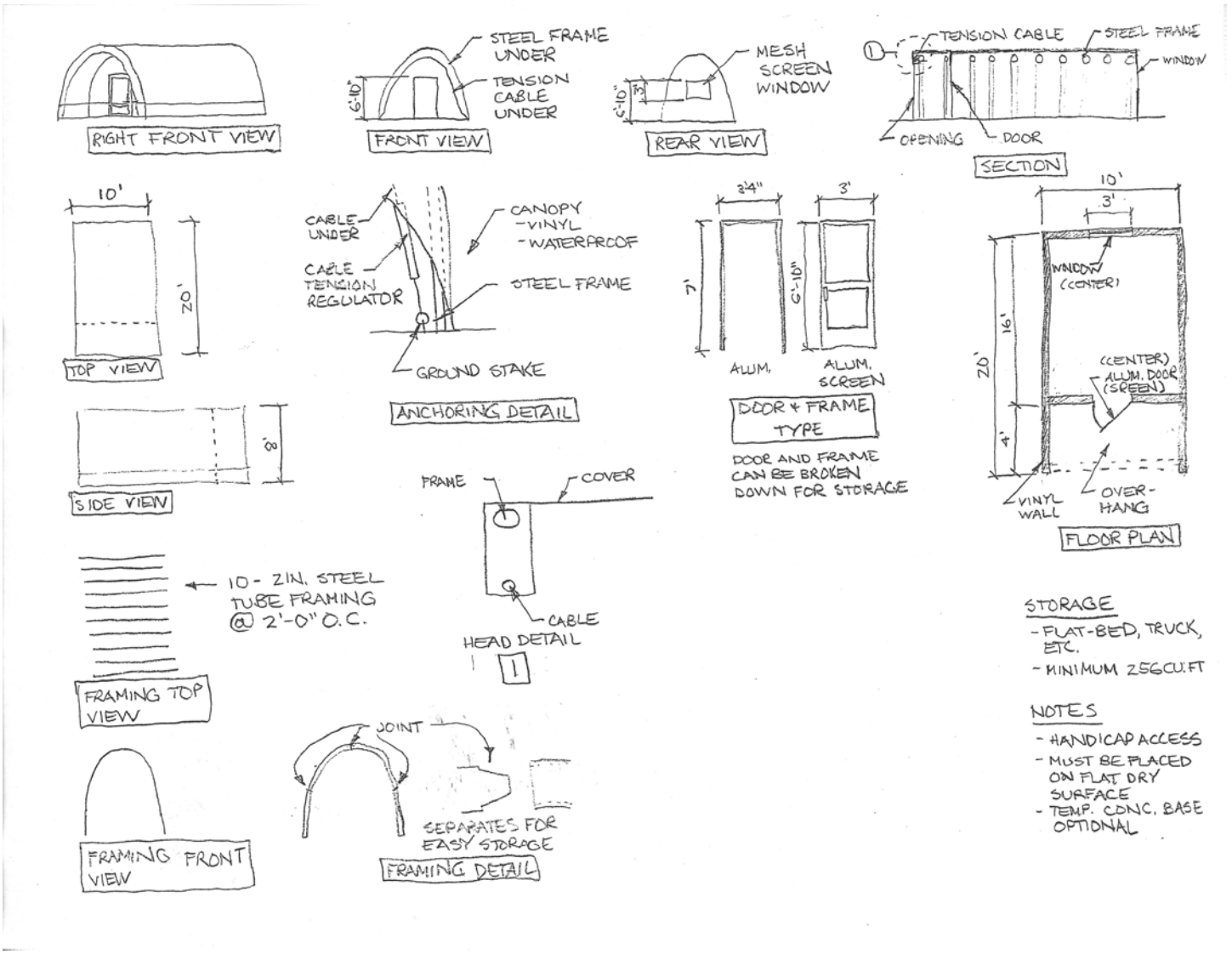

HSS FRAME ATTACHED TO WOOD FRAMING W/ANCHORS @ 16" O.C.
1/2" GYP SUM BOARD
1/2" EXPANSION JOINT W/RUBBER SEAL. CAULK JOINT BOTH SIDES. TYP.
HSS6X3X1/2 WELDED TO OTHERS USING FILLET ALL AROUND. TYP.
STAINLESS STEEL POST MOUNT FASTENER
STAINLESS STEEL POST MOUNT FITTING
2X6 WOOD STUD WALL SPACED @24" O.C.
WOOD SIDING
AIR/WATER BUILDING WRAP
1/2" PLYWOOD SHEATHING
STAINLESS STEEL GLASS ATTACHMENT @1/2" TEMPERED GLAZING


CAULK JOINT
2X6 WOOD STUD WALL SPACED @24" O.C.
2-2X6 WOOD HEADER
KING STUD
JACK STUD
2X6 WOOD DOUBLE TOP PLATE
4'X5' WINDOW OPENING
1/2" PLYWOOD SHEATHING
AIR/WATER BUILDING WRAP
WOOD SIDING
2X6 WOOD STUD WALL ATTACHED TO CONCRETE WALL WITH EMBEDDED J-BOLTS
CRIPPLE STUD
PRE-TREATED WOOD SILL PLATE ATTACHED TO FOUNDATION WITH EMBEDDED J-BOLTS

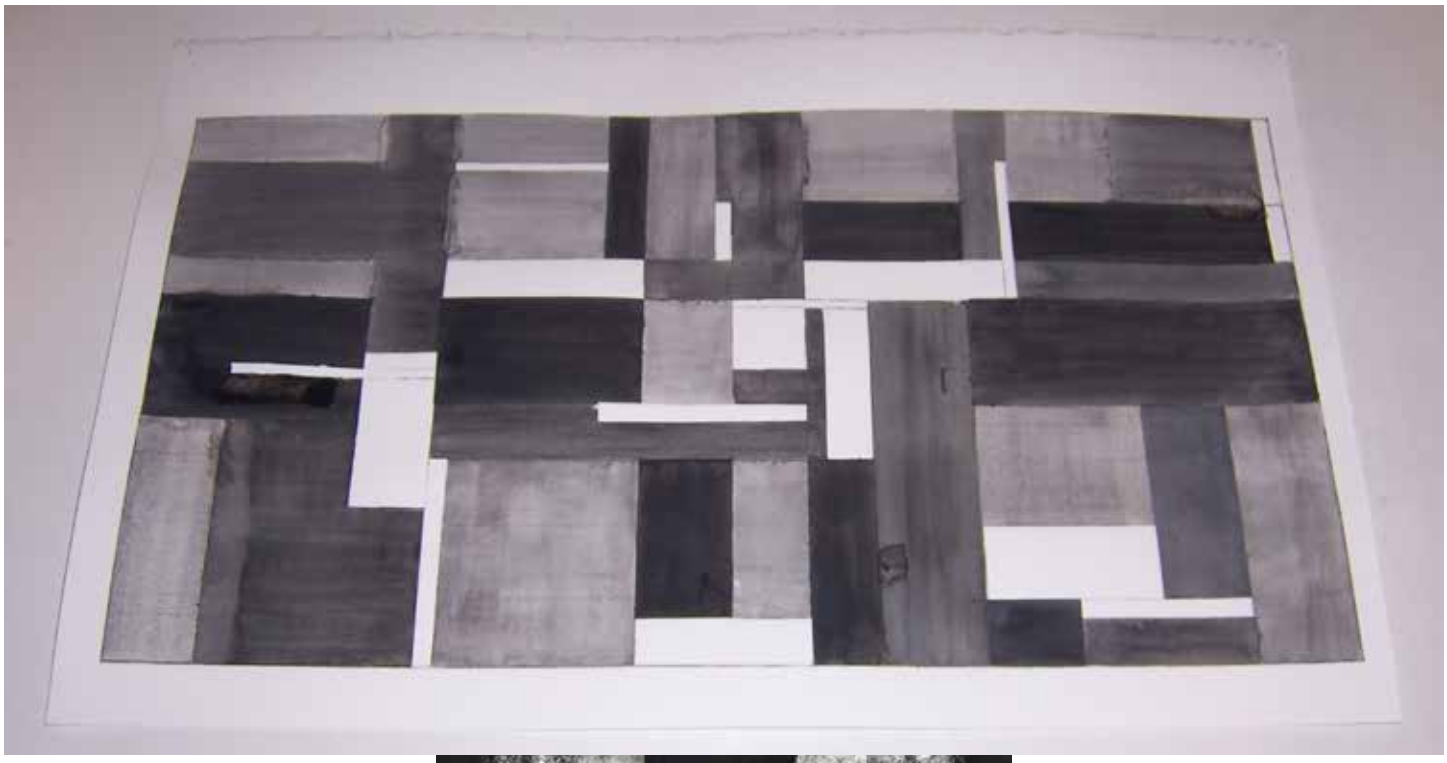

WOOD SIDING WRAPPED AROUND CORNER
HSS6X3X1/2 WELDED TO OTHERS USING FILLET WELD ALL AROUND TYP.
1/2" EXPANSION JOINT W/RUBBER SEAL, CAULK JOINT BOTH SIDES. TYP.
STAINLESS STEEL GLASS ATTACHMENT, POST MOUNT FITTING AND FASTENER. TYP.
1/2" TEMPERED GLAZING. CAULK AROUND ALL EDGES EXCEPT @DOORS. TYP.
2.3'X7' GLASS DOORS W/WEATHER-STRIPPING @EDGES. HSS @ FLOOR MOUNTED HINGES. TYP.
HSS FRAME ATTACHED TO WOOD FRAMING W/ANCHORS @16" O.C.
HSS FRAME ATTACHED TO MASONRY WALL & SLAB/FOUNDATION W/EMBEDDED ANCHORS @ 16" O.C.

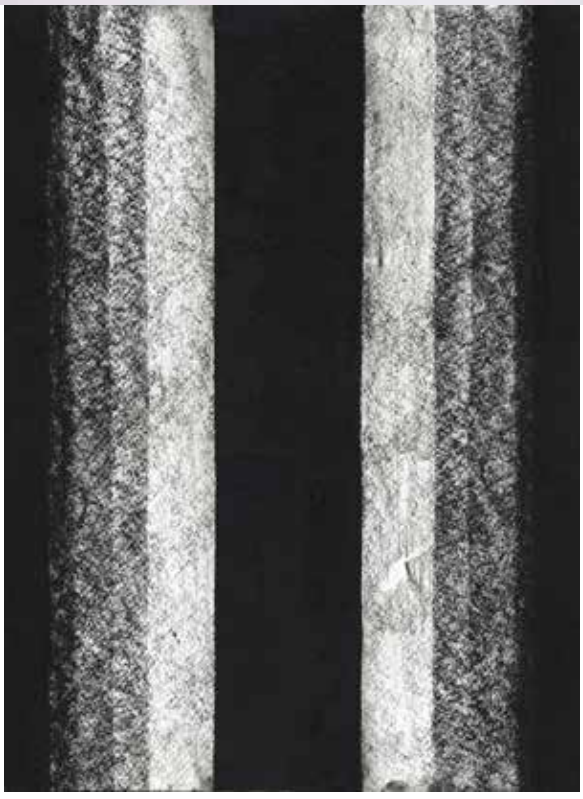



N
MASTER BEDROOM W/ WALK-IN CLOSET
BEDROOM
MASTER BATH
BATH
BEDROOM / DEN / STUDY
EGRESS TO BACK YARD
DINING
LIVING W/ SKYLIGHTS
EGRESS (FRONT DOOR)
KITCHEN
NOOK
UTILITY W/ BATH
EGRESS TO BACK YARD
GARAGE
GARAGE DOOR
- HALLS ARE 4' WIDE
- DINING, KITCHEN, AND LIVING ARE OPEN TO ONE ANOTHER
- 16' GARAGE DOOR
- SLIDING GLASS DOOR IN DINING TO OUTSIDE
- ALL OTHER EXTERIOR DOORS ARE 36" WIDE

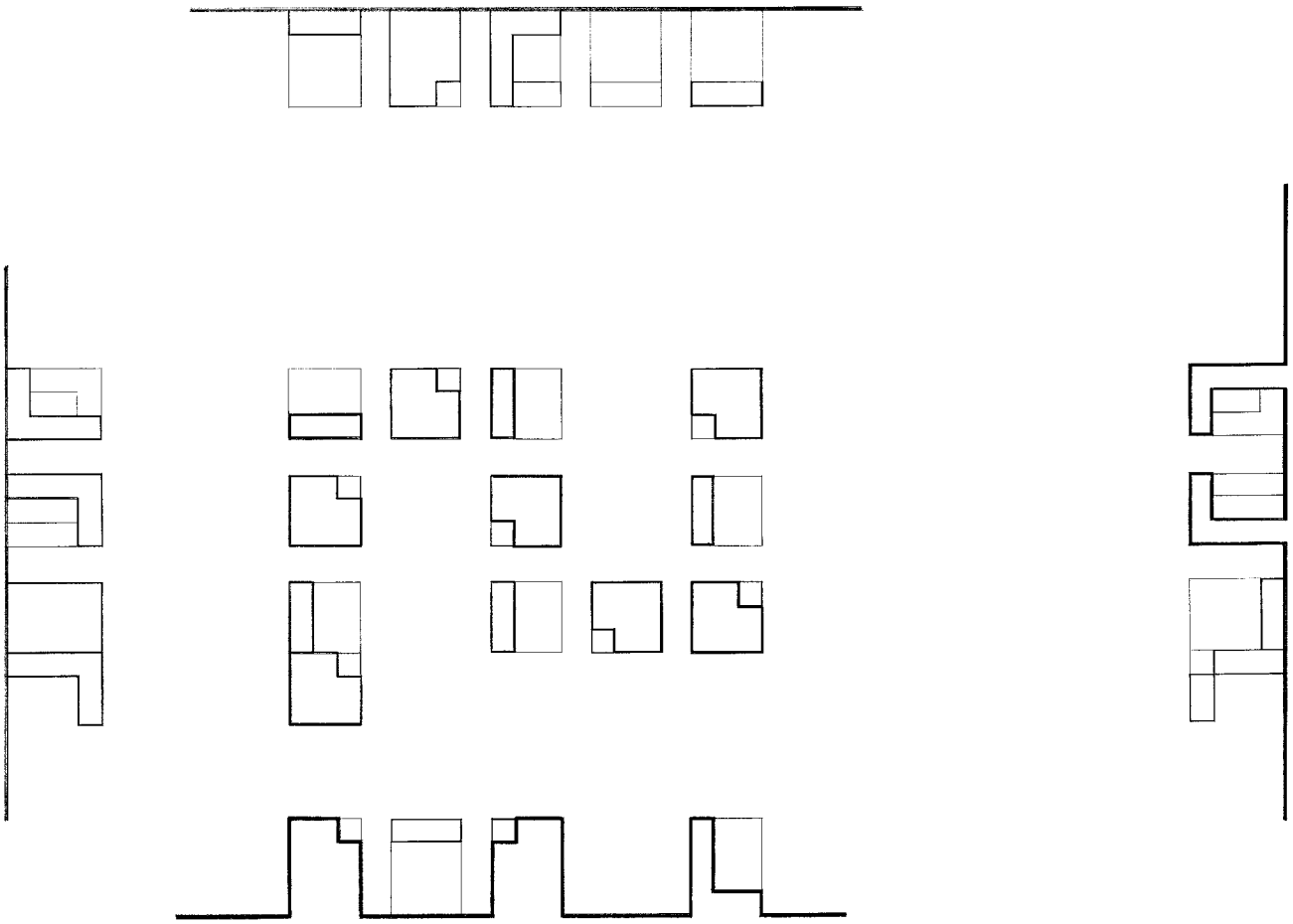

RIGHT FRONT VIEW
STEEL FRAME UNDER
TENSION CABLE UNDER
6'-10"
FRONT VIEW
MESH SCREEN WINDOW
6'-10"
3'
REAR VIEW
TENSION CABLE
STEEL FRAME
WINDOW
OPENING
DOOR
SECTION
10'
20'
TOP VIEW
CABLE UNDER
CANOPY -VINYL -WATERPROOF
CABLE TENSION REGULATOR
STEEL FRAME
GROUND STAKE
ANCHORING DETAIL
3'4"
3'
7'
6'-10"
ALUM.
ALUM. SCREEN
DOOR & FRAME TYPE
DOOR AND FRAME CAN BE BROKEN DOWN FOR STORAGE
10'
3'
WINDOW (CENTER)
20'
16'
(CENTER) ALUM. DOOR (SCREEN)
4'
VINYL WALL
OVER-HANG
FLOOR PLAN
8'
SIDE VIEW
FRAME
COVER
CABLE
HEAD DETAIL
1
10 - 2IN. STEEL TUBE FRAMING @ 2'-0" O.C.
FRAMING TOP VIEW
JOINT
SEPARATES FOR EASY STORAGE
FRAMING DETAIL
FRAMING FRONT VIEW
STORAGE
- FLAT-BED, TRUCK, ETC.
- MINIMUM 256CU.FT
NOTES
- HANDICAP ACCESS
- MUST BE PLACED ON FLAT DRY SURFACE
- TEMP. CONC. BASE OPTIONAL

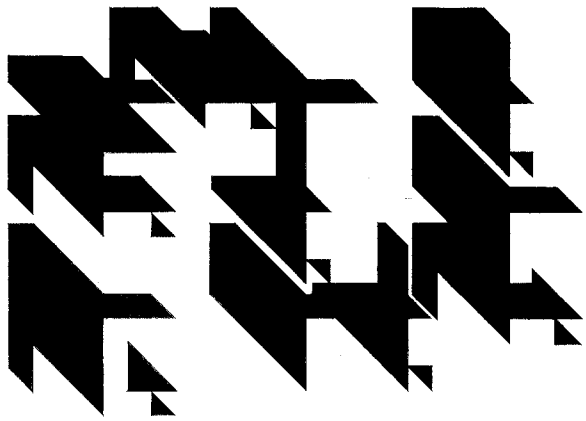
Watercolor and Charcoal

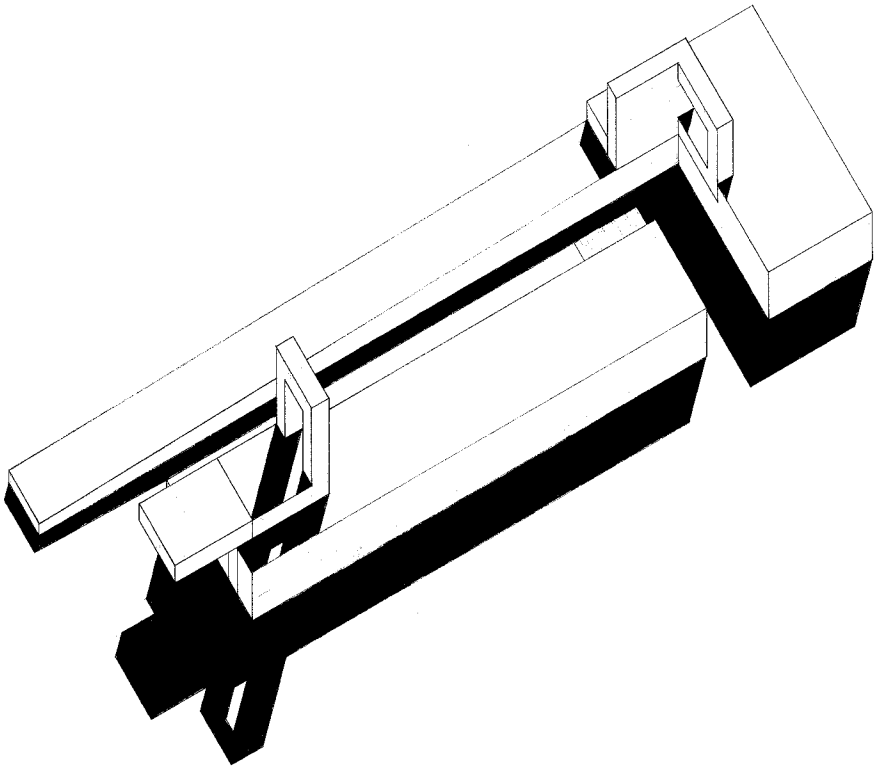


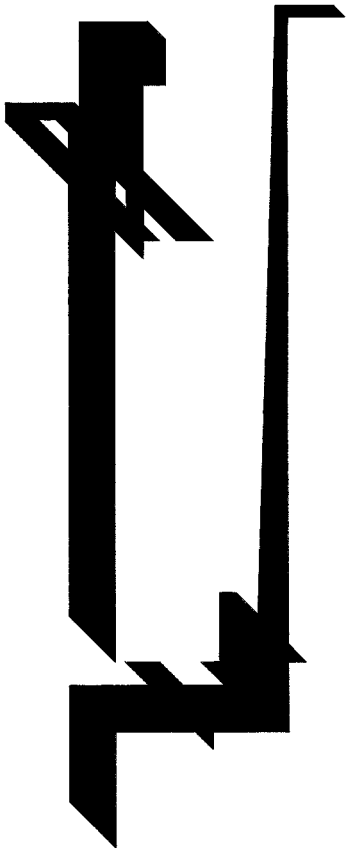


Line Drawing









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George F. Rozansky