



VALERIE FLORES

ARCHITECTURE DESIGN PORTFOLIO

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2021
2025

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SPRING 2022 - BUILD ONE:

COMPOSITE AXONOMETRIC

Instructors: Jeanine Centuori, Patrick Geske, Matthew Ridgeway, Gerard Smulevich

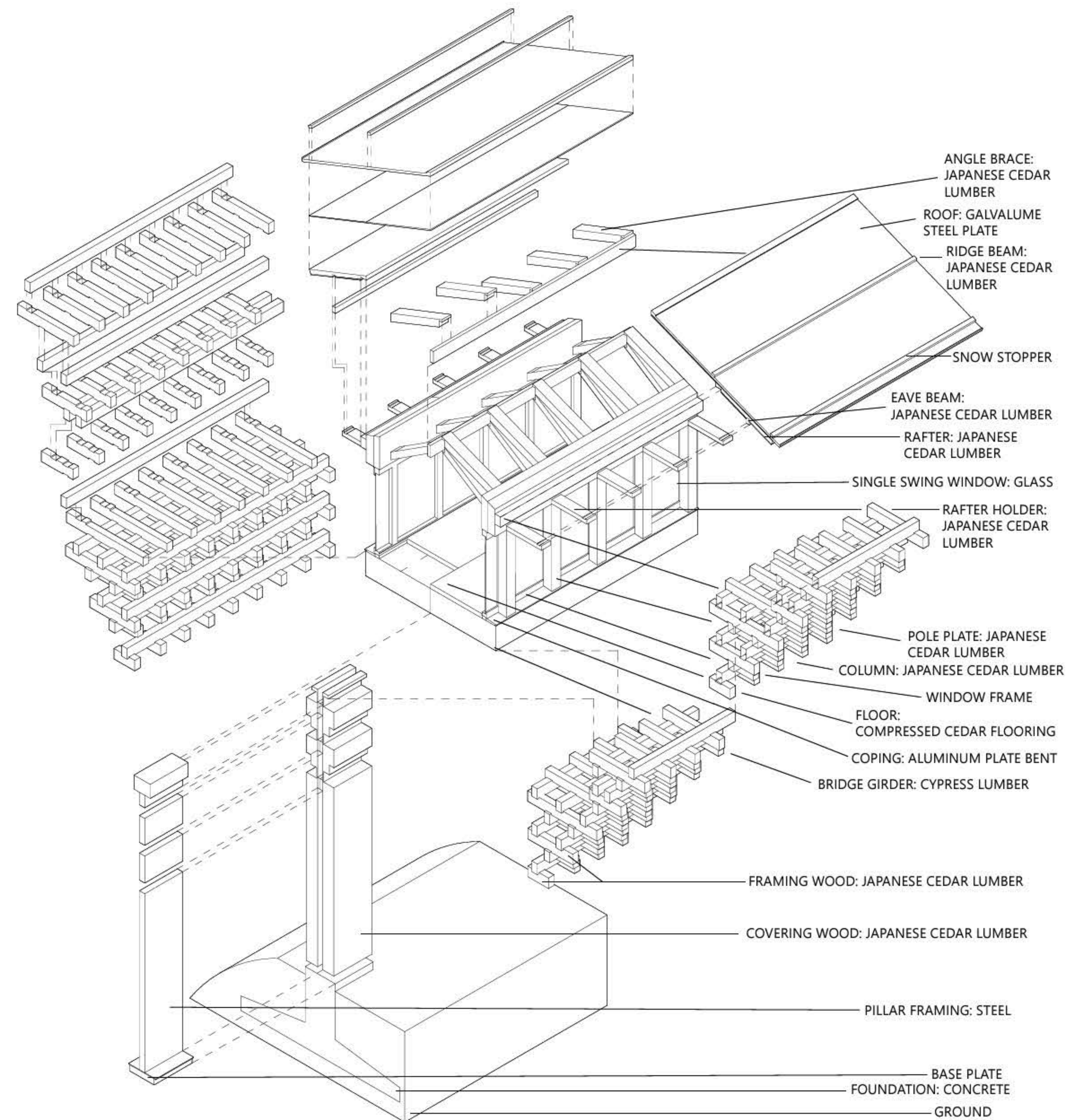
Section Instructor: Jeanine Centuori

ARCH 122 Build One Assignment 3

The third project will examine 3-dimensional visualization techniques as they relate to building construction details. Construct a composite axonometric drawing based on the major structural system, skins, and material assemblies of the precedent. Use cut lines to include all major floors, roof, and exterior walls.

This drawing must be an original construction. It must be accurate, precise and well crafted. The composite axonometric should address issues of thermal insulation, acoustic separation, differential movement, and dielectric separation, and it should represent the design intentions of the architect. Appropriate annotation should be used to explain key notes about materials and assemblies.

Construct a detailed axonometric. Based on research and analysis, construct a single composite axonometric drawing that incorporates the main structural system, exterior skin, ground condition, at least 2 floors, and roof condition of the precedent. The drawing must show the composite layers within wall, floor, roof, and envelop thicknesses.



SUMMER 2023 - STUDIO EIGHT:

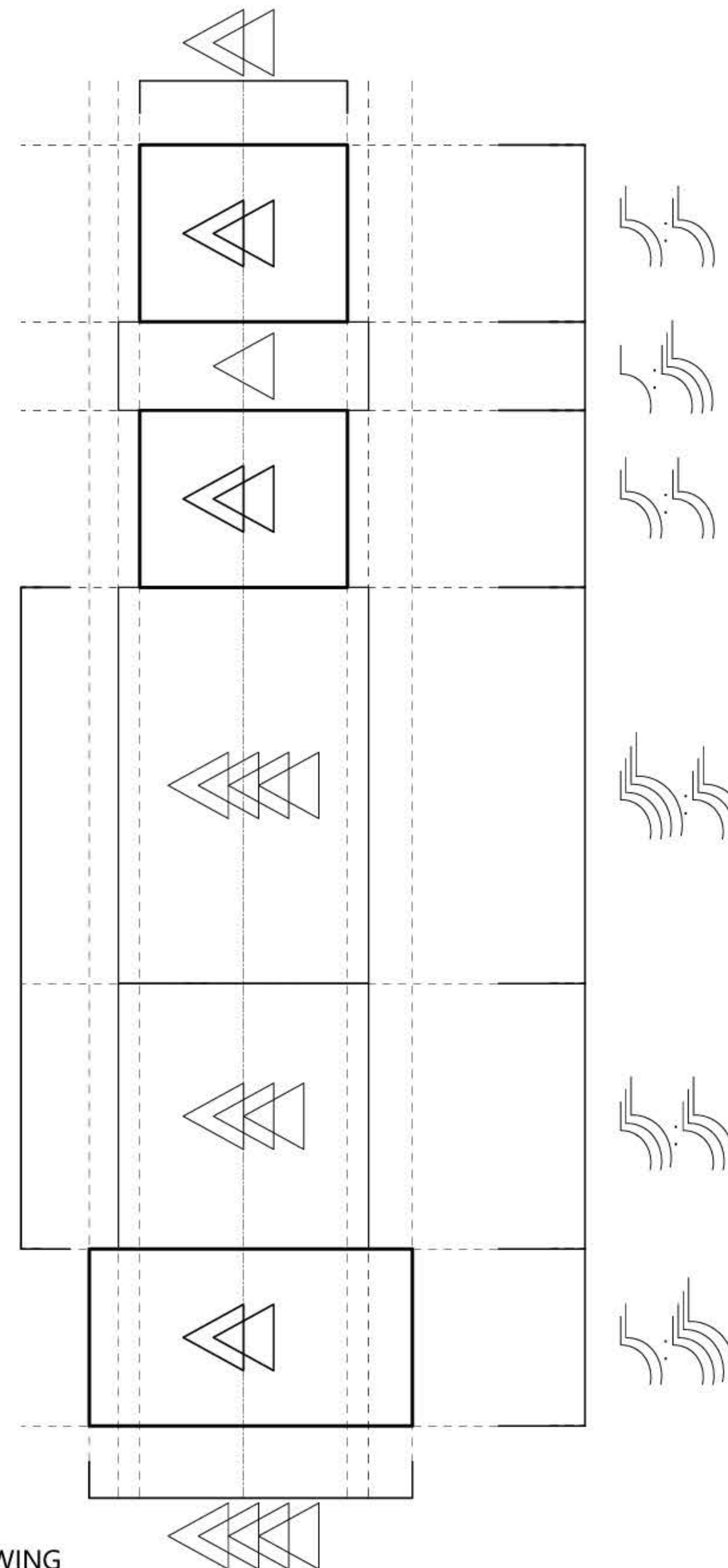
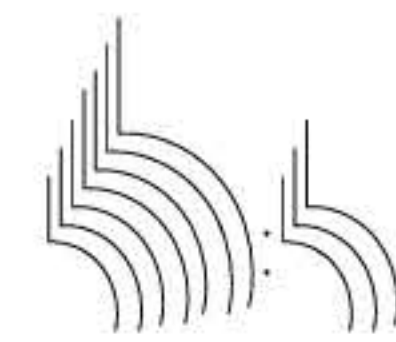
FIGURE TO ANNOTATION

Instructors: Benjamin Jones, Matthew Ridgeway, Hans Wendel

ARCH 402 Studio Eight Assignment 2

In this assignment, students will delve into figural qualities of caryatids, focusing on their formal geometries, proportional relationships, and functional requirements. By examining these characteristics, students will gain deeper understanding of the artistic and practical considerations behind the design and implementation of caryatids. To conduct this analysis, students will define a set of descriptive geometries and annotative systems, ultimately translating the essential qualities of these ancient elements into novel designs that consider the functional requirements and programmatic opportunities of contemporary architecture.

Students will develop a collage that uses their assigned Mechanical, Electrical, and Plumbing (MEP) system to thematize an exploration of contemporary architectural concerns. The collage will use the punctured elevation as a scaffold for a new composition. The elevation no longer refers to an existing caryatid, but it is a skeleton on which to imagine the concerns and material character of a new caryatid.



TOLTEC - CARYATID DRAWING
VALERIE FLORES
SCALE: 1" = 1'-0"



MECHANICAL PUNCTURE COLLAGE
VALERIE FLORES
SCALE: 1" = 1'-0"

SUMMER 2023 - STUDIO EIGHT:

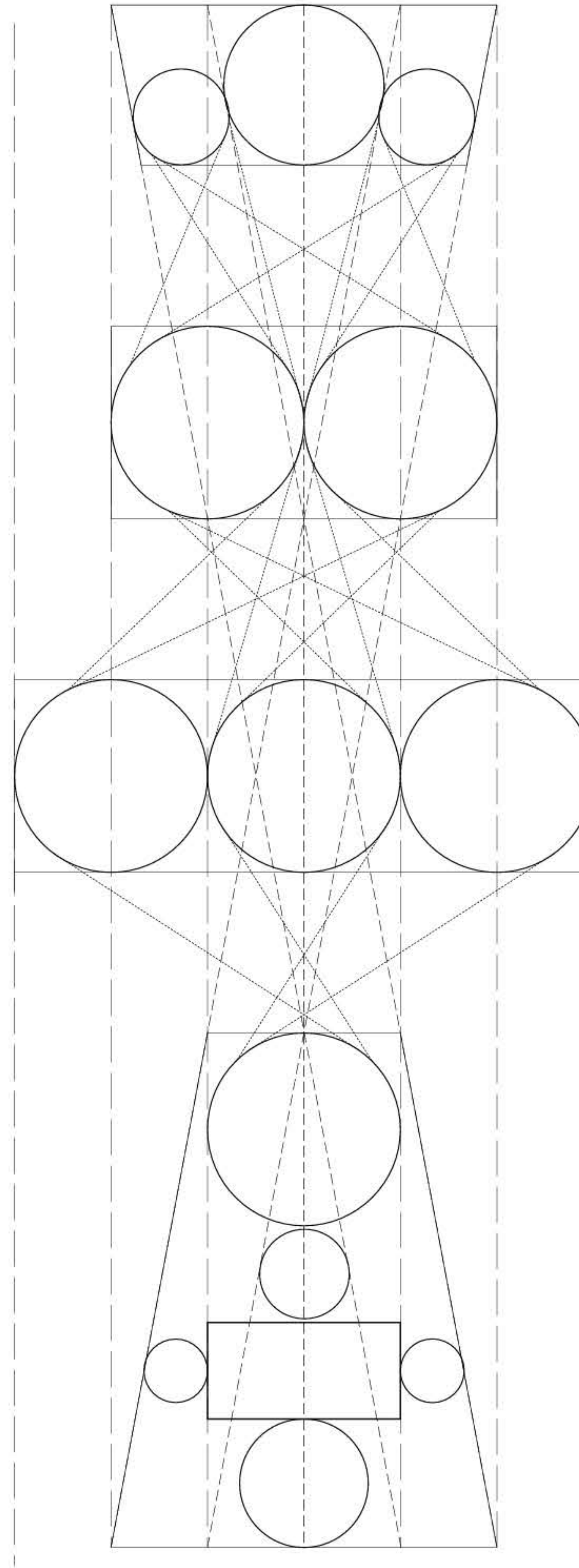
FREAKS IN THE GARDEN

Instructors: Benjamin Jones, Matthew Ridgeway,
Hans Wendel

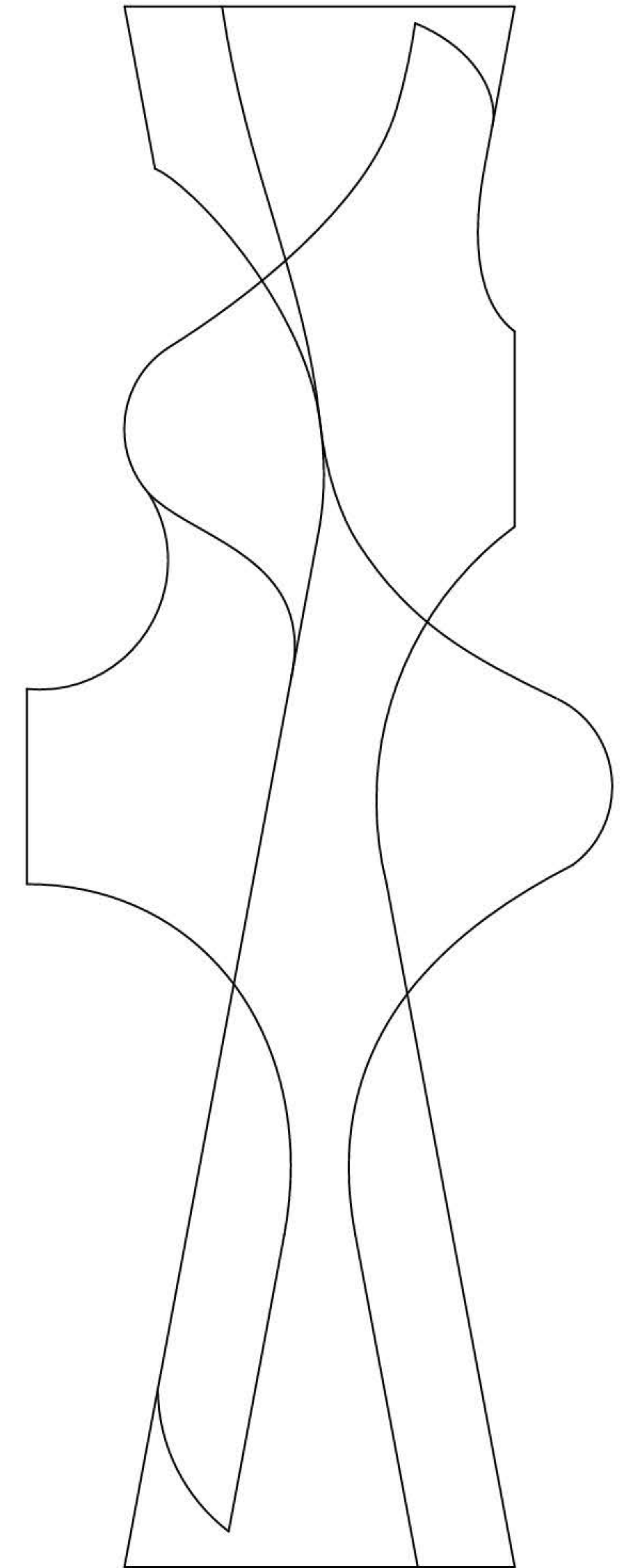
Collaboration Work: Alaa Bahkiet, Britanni
Marie Dighero, Valerie Flores, Valerie Hernandez,
Danny Tahiraj

ARCH 402 Studio Eight Final

Working together, students were to produce three hybrid systems from their geometric analysis. From here, these hybrid analytic systems are to produce a further figural elevation of the formal outcome of series of geometric operations described by the hybrid. After the final figural elevation, the construction of the eight-foot caryatid begins.



HYBRID ANALYTICS
ALAA BAHKIET, BRITANNI DIGHERO, DANNY TAHIRAJ
VALERIE FLORES, VALERIE HERNANDEZ
SCALE: 1-1/2" = 1'-0"



ELEVATION OVERLAY
ALAA BAHKIET, BRITANNI DIGHERO, DANNY TAHIRAJ
VALERIE FLORES, VALERIE HERNANDEZ
SCALE: 1-1/2" = 1'-0"

SUMMER 2023 - STUDIO EIGHT:

ANNOTATION TO MATERIAL FIGURE

Instructors: Benjamin Jones, Matthew Ridgeway,
Hans Wendel

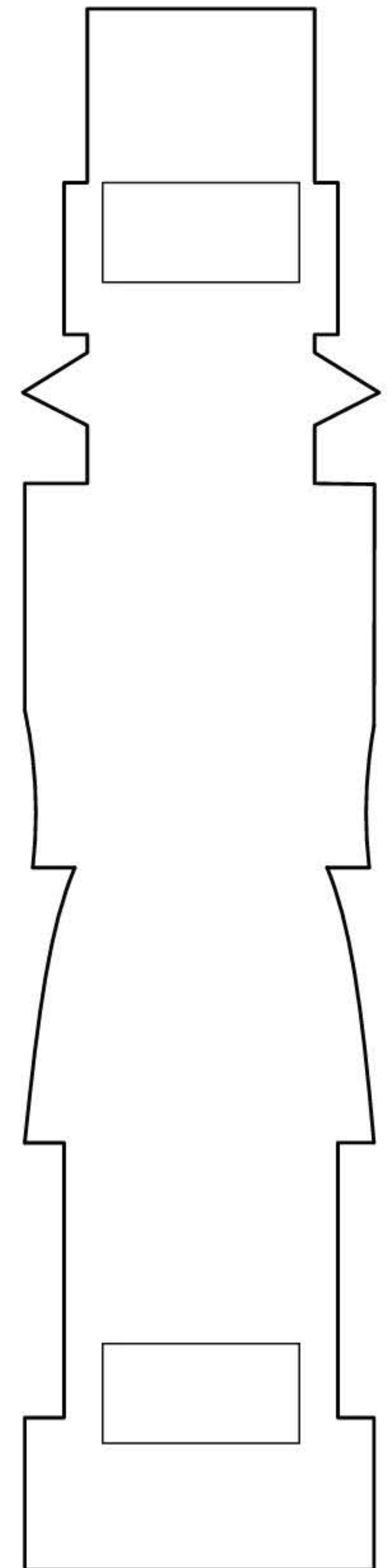
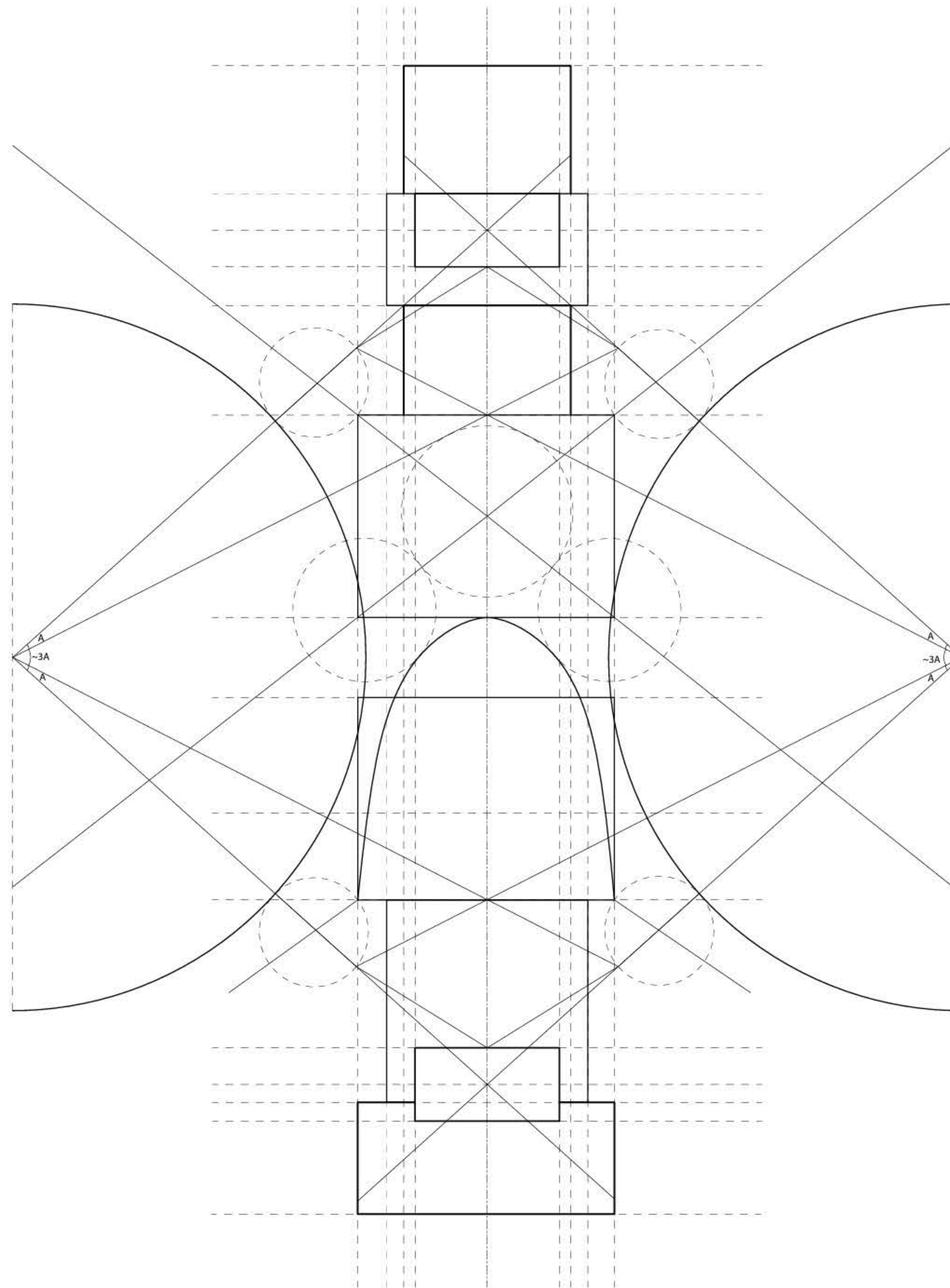
Collaboration Work: Alaa Bahkiet, Britanni
Marie Dighero, Valerie Flores, Valerie Hernandez,
Danny Tahiraj

Caryatid Drawings: Alaa Bahkiet and Valerie Flores

ARCH 402 Studio Eight Assignment 3

In Assignment 3, students will use descriptive geometries and annotative systems to translate the essential qualities of these ancient elements into novel designs that consider the functional requirements and programmatic opportunities of contemporary architecture. Upon completion, each group will have a design development drawing set that describes the materials and construction methods of an eight-foot caryatid.

Using their collages as instigation for discussion, students will develop a design brief for their caryatid, establishing value criteria for its successful design.





FALL 2024 - STUDIO SEVEN:

GAME ON! - THE LANTERN

Instructors: Ciro Dimson, Matthew Gillis, Eric Giragosian, Aviva Rubin, Kathryn Sonnabend

Section Instructor: Kathryn Sonnabend

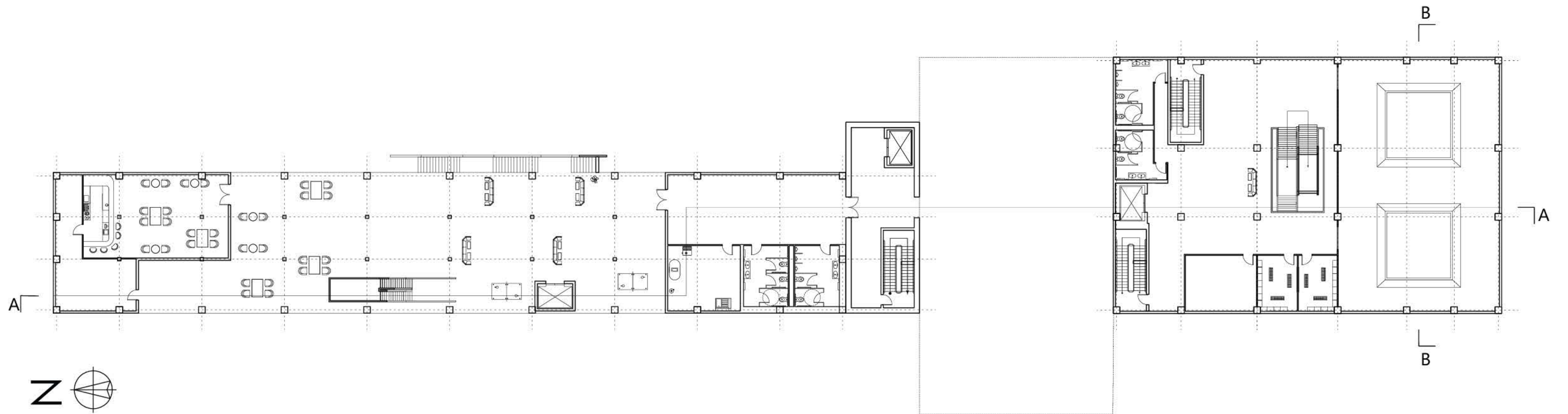
Collaboration: Karen Aywazian and Valerie Flores

ARCH 401 Studio Seven Final

The goal is to design a sports hall engaging a local community, metropolitan transit infrastructure, and specific athletic activity selected by the student. The development of the program as an architectural parti should expand the understanding of the site and design the building's use through innovative system design responding to urban mobility and community play. The building will need to have two stories minimum and provide barrier free access to all areas. The Southern California climate should be considered for the interior/exterior engagement of landscape, shading, and use.

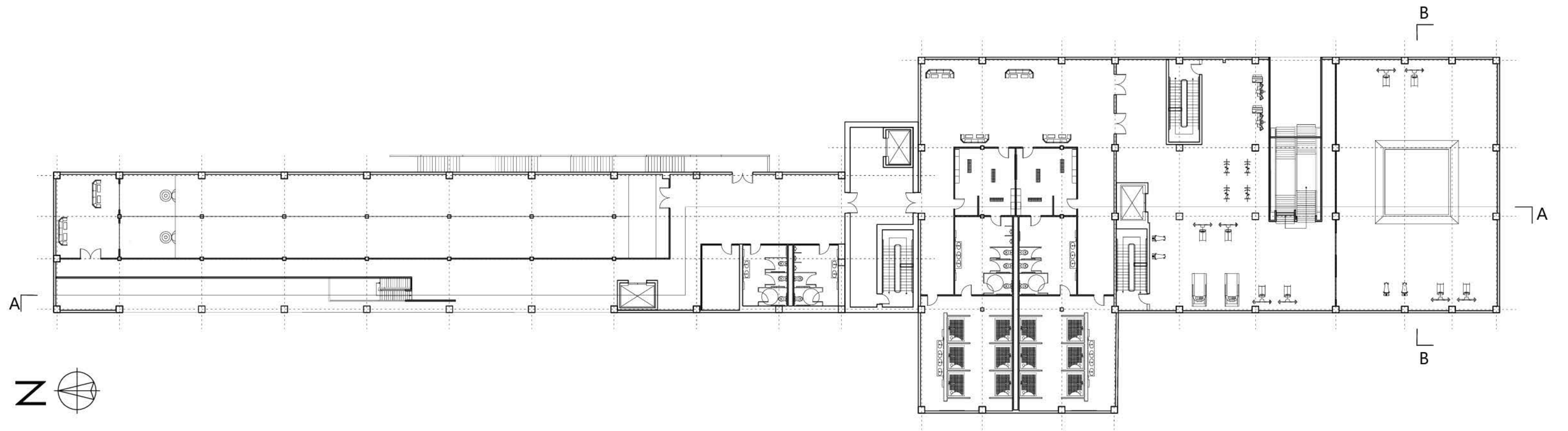






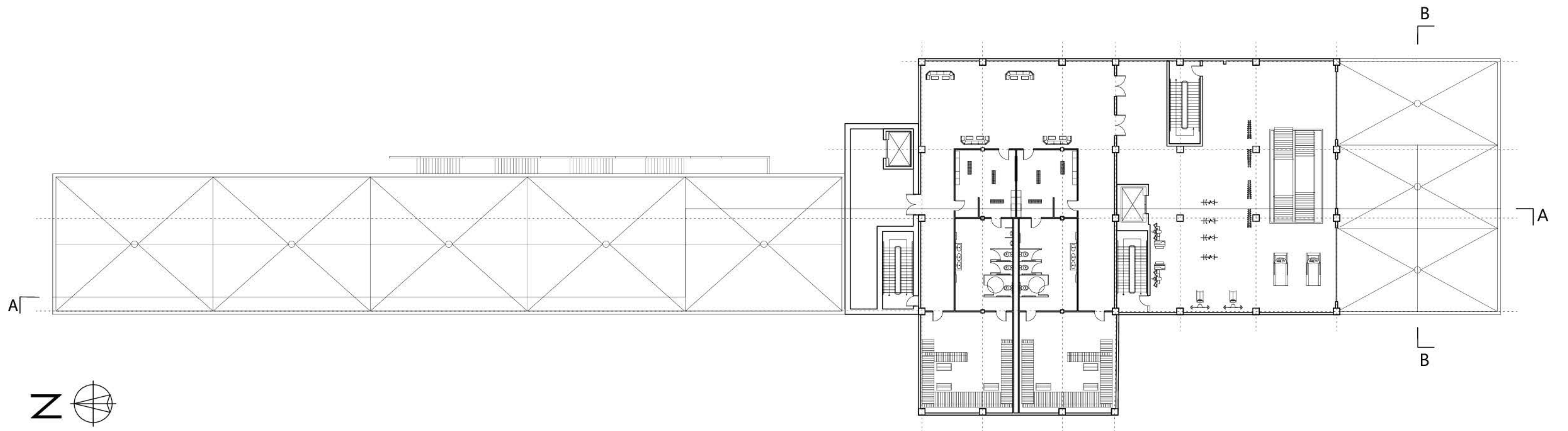
LEVEL 2 PLAN

1/16" = 1'



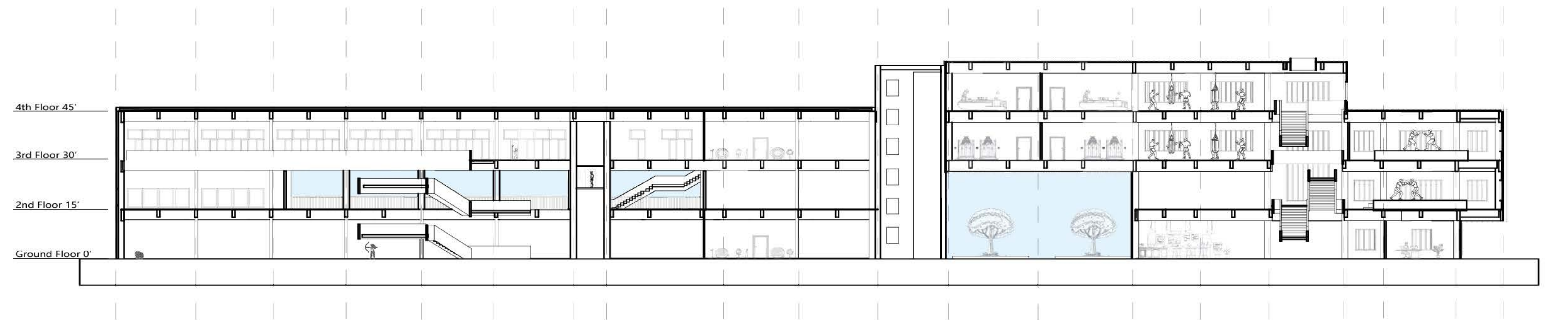
LEVEL 3 PLAN

1/16" = 1'



LEVEL 4 PLAN

1/16" = 1'



LONG SECTION

1/16" = 1'



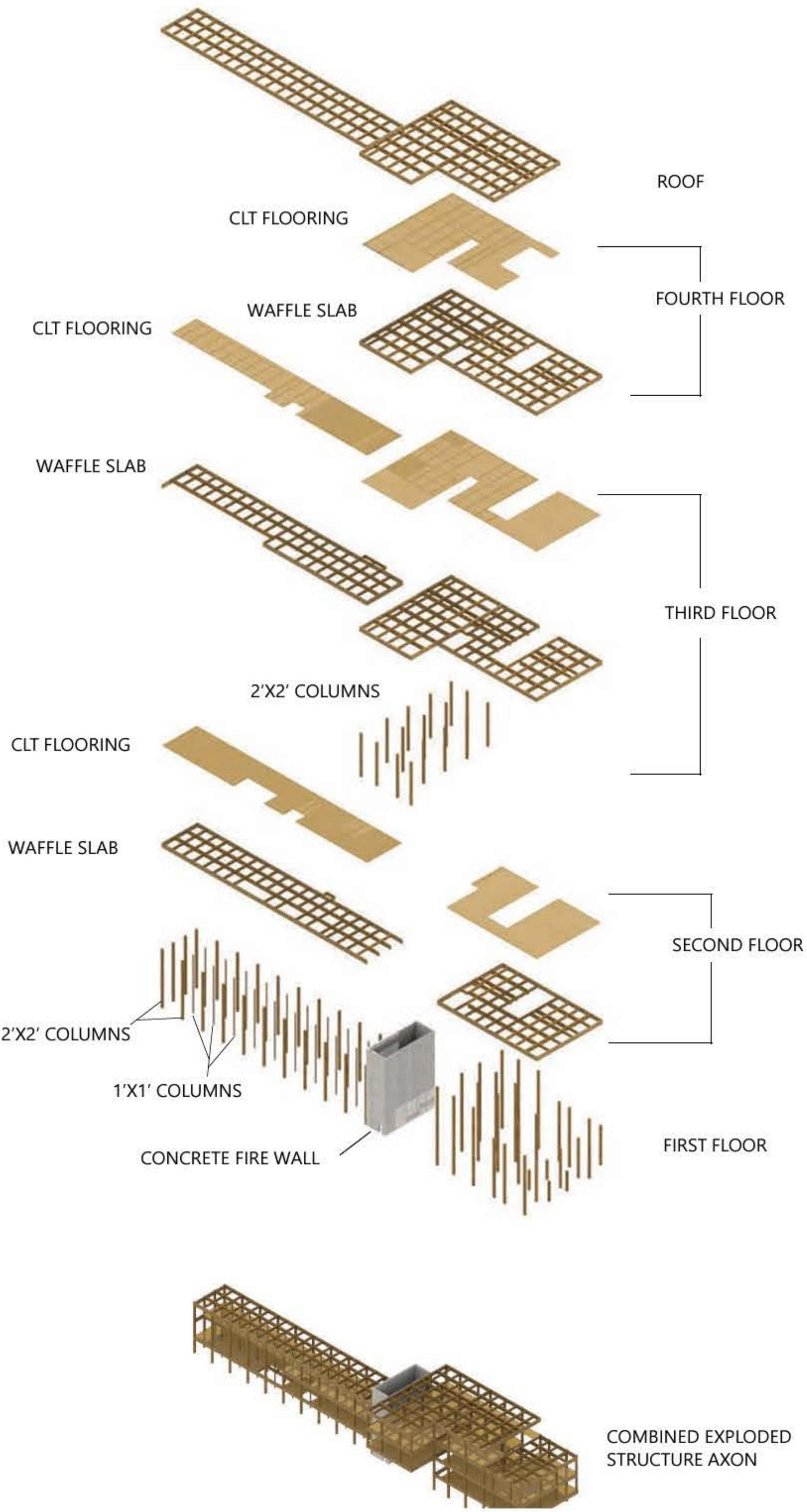
WEST ELEVATION



EAST ELEVATION



SOUTH ELEVATION



STRUCTURAL DIAGRAM



EXTERIOR RENDERING

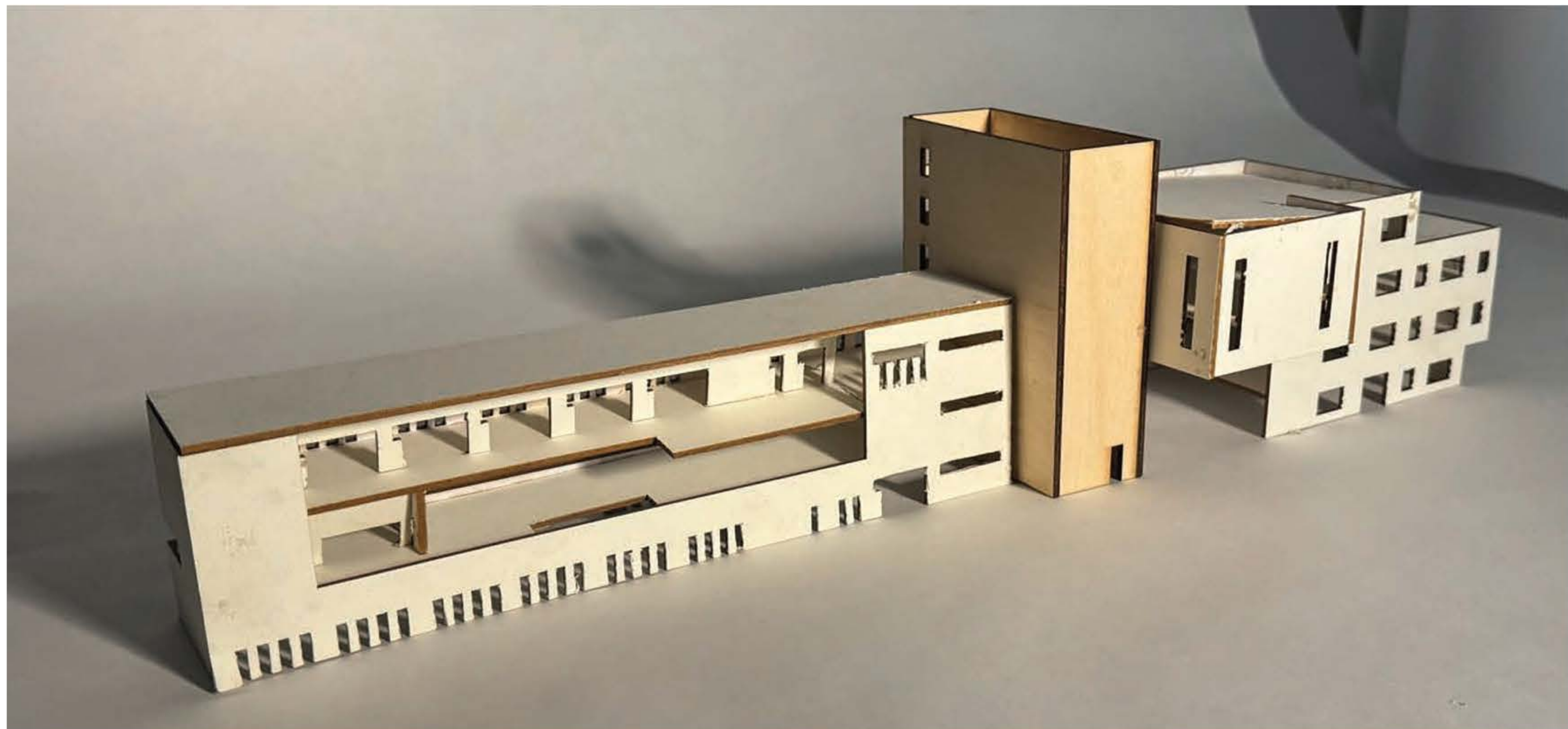
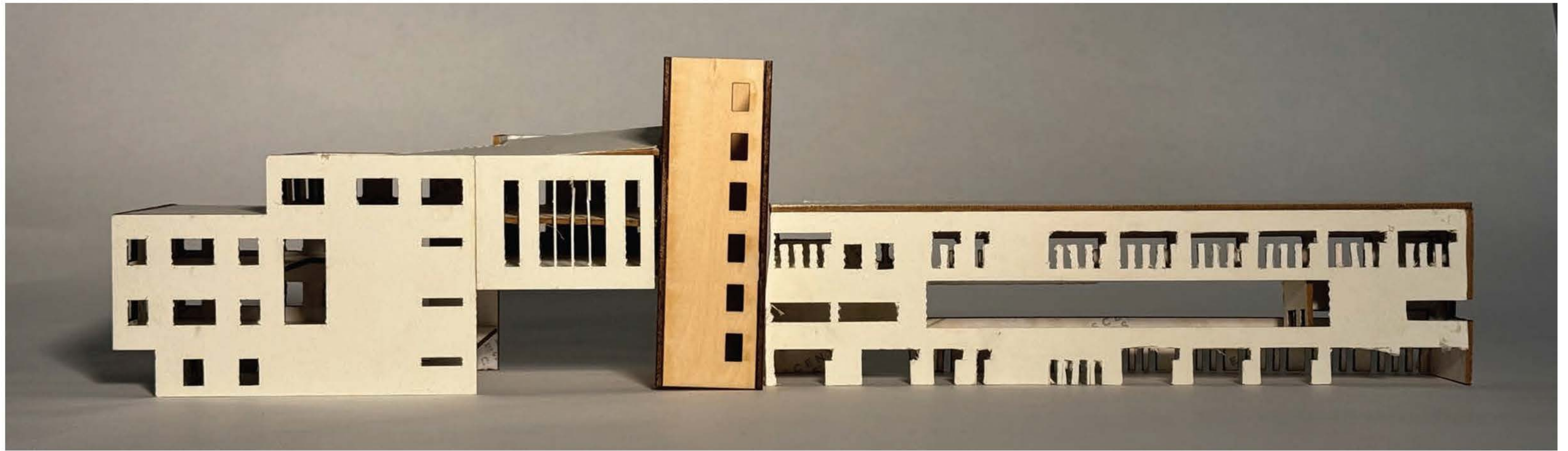


SECOND FLOOR OPENING RENDER



BREEZE-WAY RENDER





FALL 2024 - BUILD FOUR:

DETAILED BREEZE-WAY WALL SECTION

Instructors: **Ciro Dimson, Matthew Gillis, Eric Giragosian, Aviva Rubin, Kathryn Sonnabend**

Section Instructor: **Kathryn Sonnabend**

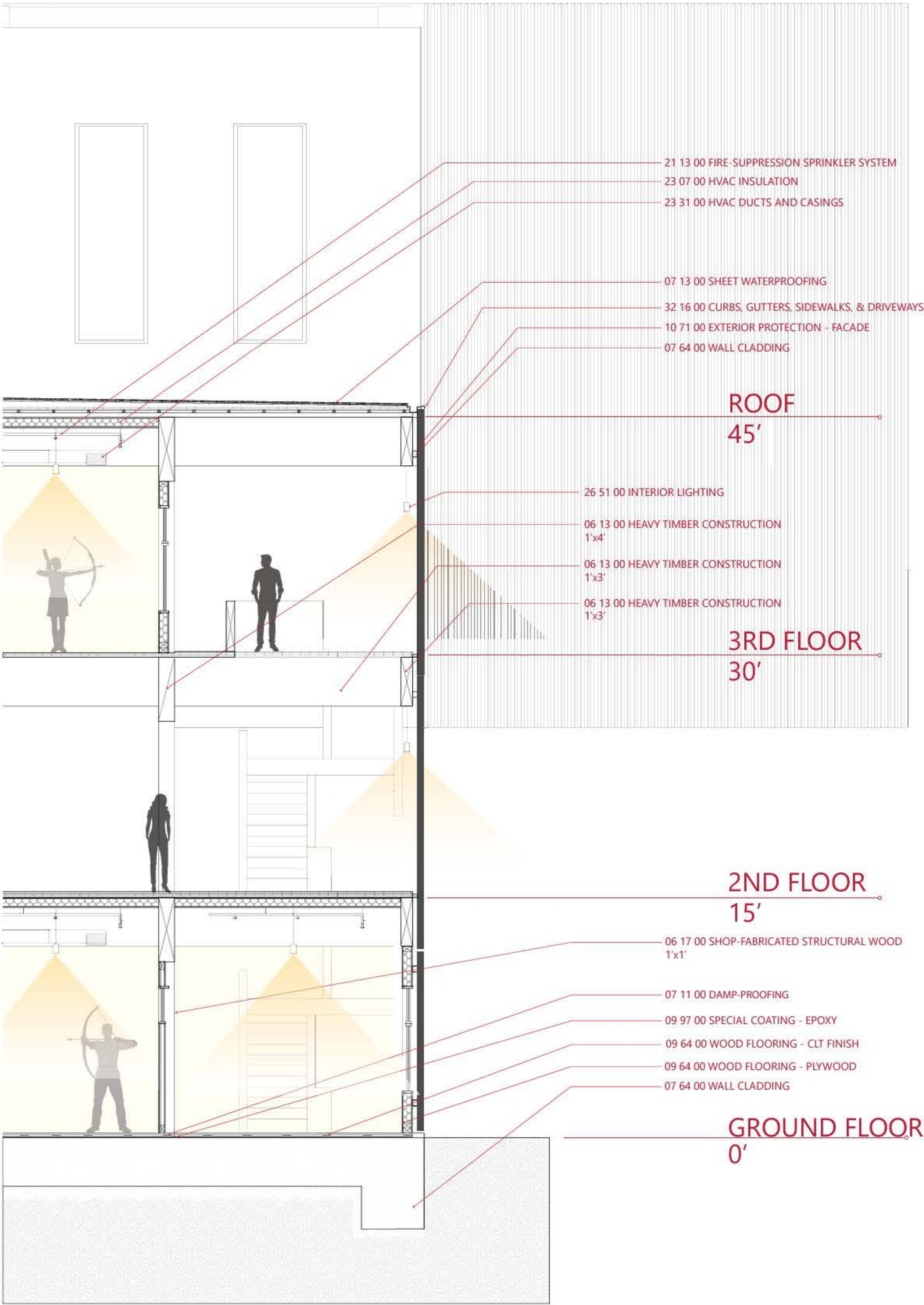
Collaboration: **Karen Aywazian and Valerie Flores**

ARCH 421 Build Four Final

Develop a final series of building details and connections. Detail the material at their intersection, where materials transition (corner, edges, seams, openings) showing how the intended effect on the exterior and interior, how these moments provide enclosed thermal and vapor barrier, including all primary and secondary structure, exterior envelope system, interior finishes, and any building systems that are integrated and must fit within. Describe in words using the CSI format of categorization each of the materials being used in your details.

At minimum describe the following:

- CSI code
- Material quality, including structural properties and visual properties
- Specific Material properties, strength, color, sizing, species etc.
- Process for installation of material and techniques to be used
- Finish of material and other materials required for finishing
- Method of assembly
- Fasteners or connection hardware to be used



DETAILED WALL SECTION
1/2" = 1'

WALL DETAIL CSI SPECIFICATIONS

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
06 10 00 ROUGH CARPENTRY
- 06 13 00 HEAVY TIMBER CONSTRUCTION

DIVISION 07 - THERMAL AND MOISTURE PROTECTION
07 10 00 DAMP-PROOFING AND WATERPROOFING
- 07 11 00 DAMP-PROOFING - FURRING
- 07 13 00 SHEET WATERPROOFING

07 60 00 FLASHING AND SHEET METAL
- 07 64 00 SHEET METAL WALL CLADDING

DIVISION 09 - FINISHES
09 60 00 FLOORING
- 09 64 00 WOOD FLOORING
09 90 00 PAINTING AND COATING
- 09 97 00 SPECIAL COATINGS

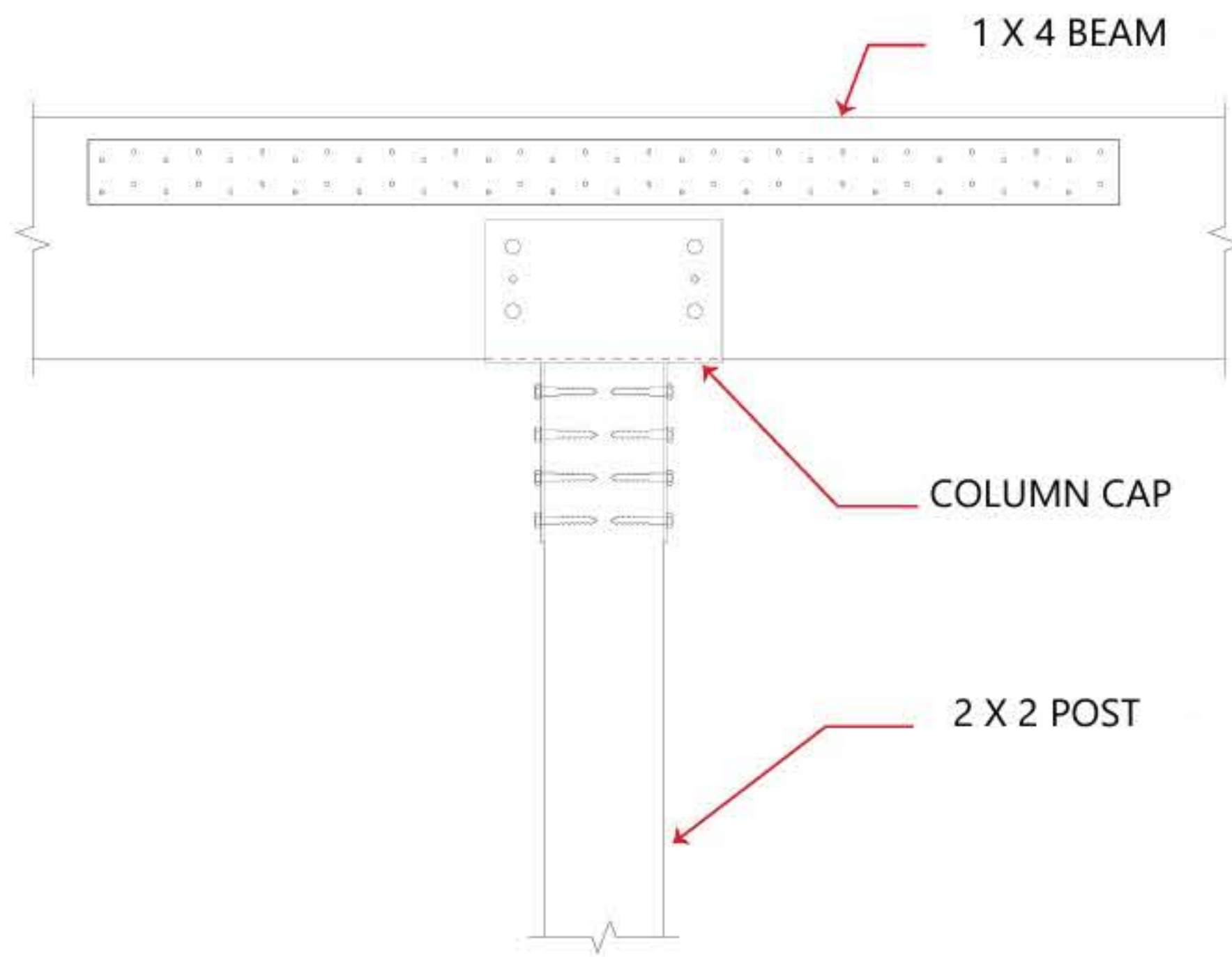
DIVISION 10 - SPECIALTIES
10 70 00 EXTERIOR SPECIALTIES
- 10 71 00 EXTERIOR PROTECTION

DIVISION 21 - FIRE SUPPRESSION
21 10 00 WATER-BASED FIRE-SUPPRESSION SYSTEMS
- 21 13 00 FIRE-SUPPRESSION SPRINKLER SYSTEMS

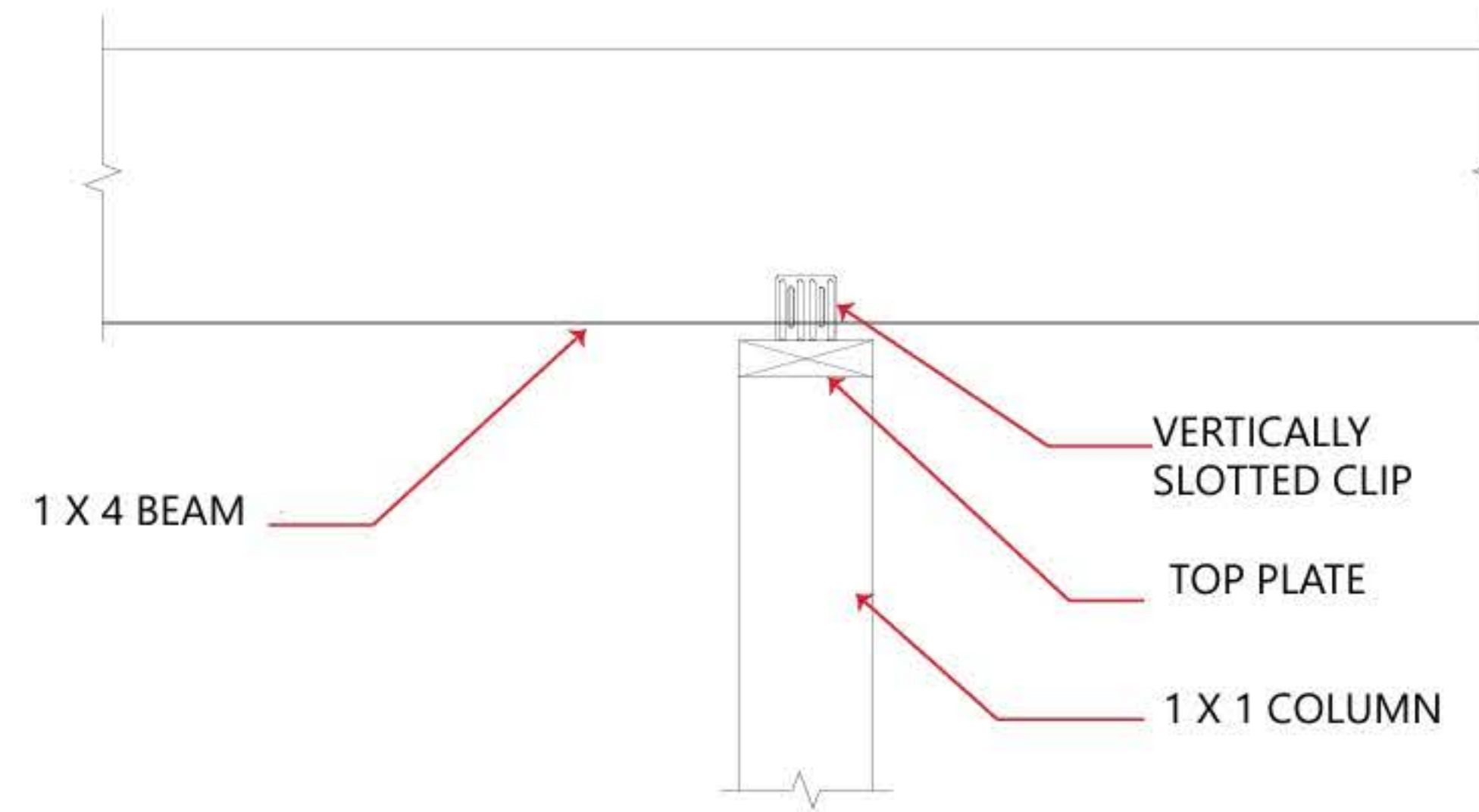
DIVISION 23 - HEATING, VENTILATING, AND AIR
CONDITIONING (HVAC)
- 23 07 00 HVAC INSULATION
23 30 00 HVAC AIR DISTRIBUTION
- 23 31 00 HVAC DUCTS AND CASTINGS

DIVISION 26 - ELECTRICAL
26 50 00 LIGHTING
- 26 51 00 INTERIOR LIGHTING
- 26 56 00 EXTERIOR LIGHTING

DIVISION 32 - EXTERIOR IMPROVEMENTS
32 10 00 BASES, BALLASTS, AND PAVING
- 32 16 00 CURBS, GUTTERS, SIDEWALKS, AND
- DRIVEWAYS



BEAM-COLUMN CONNECTION

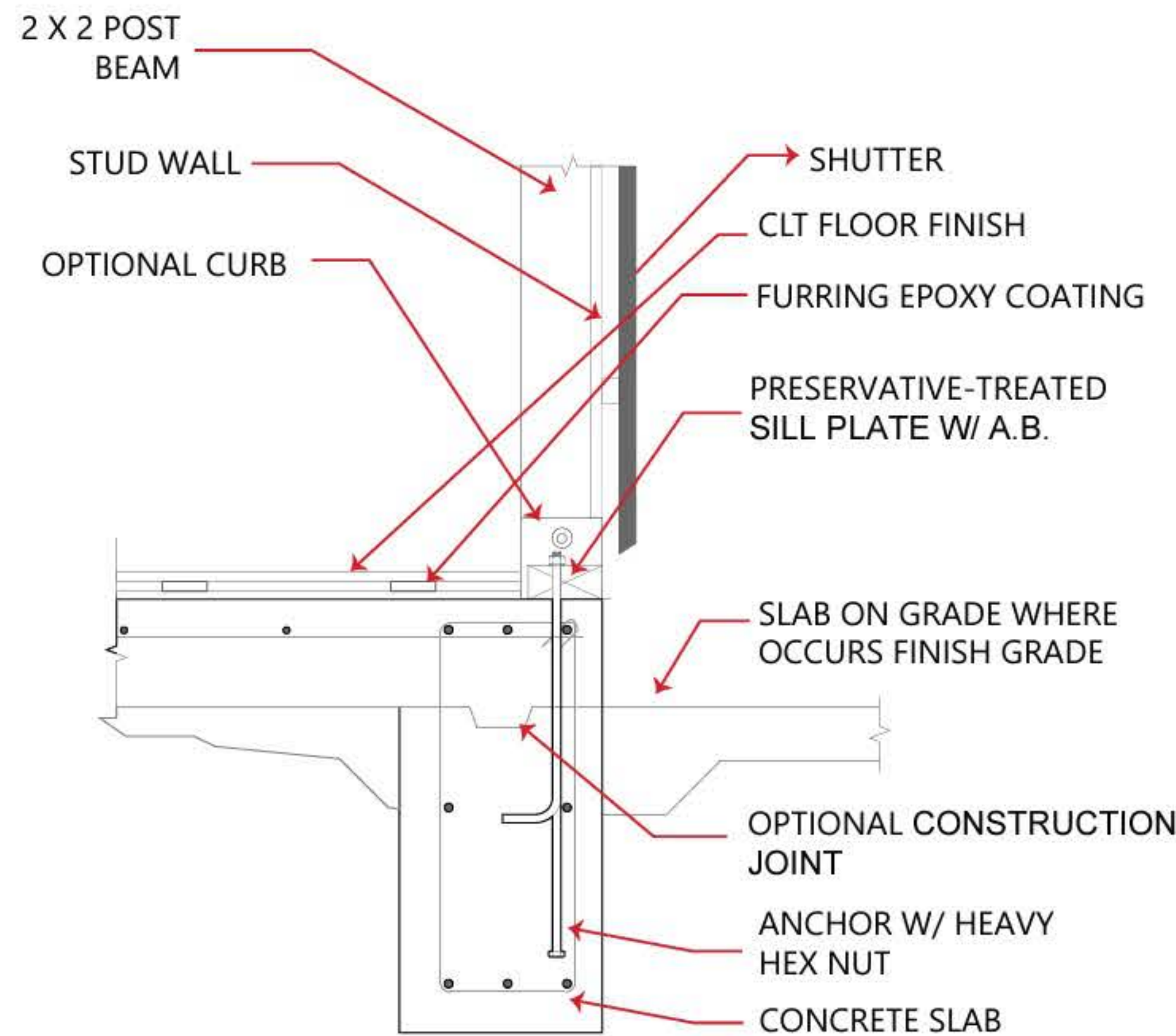


NON-BEARING PARTITION WALL - TOP

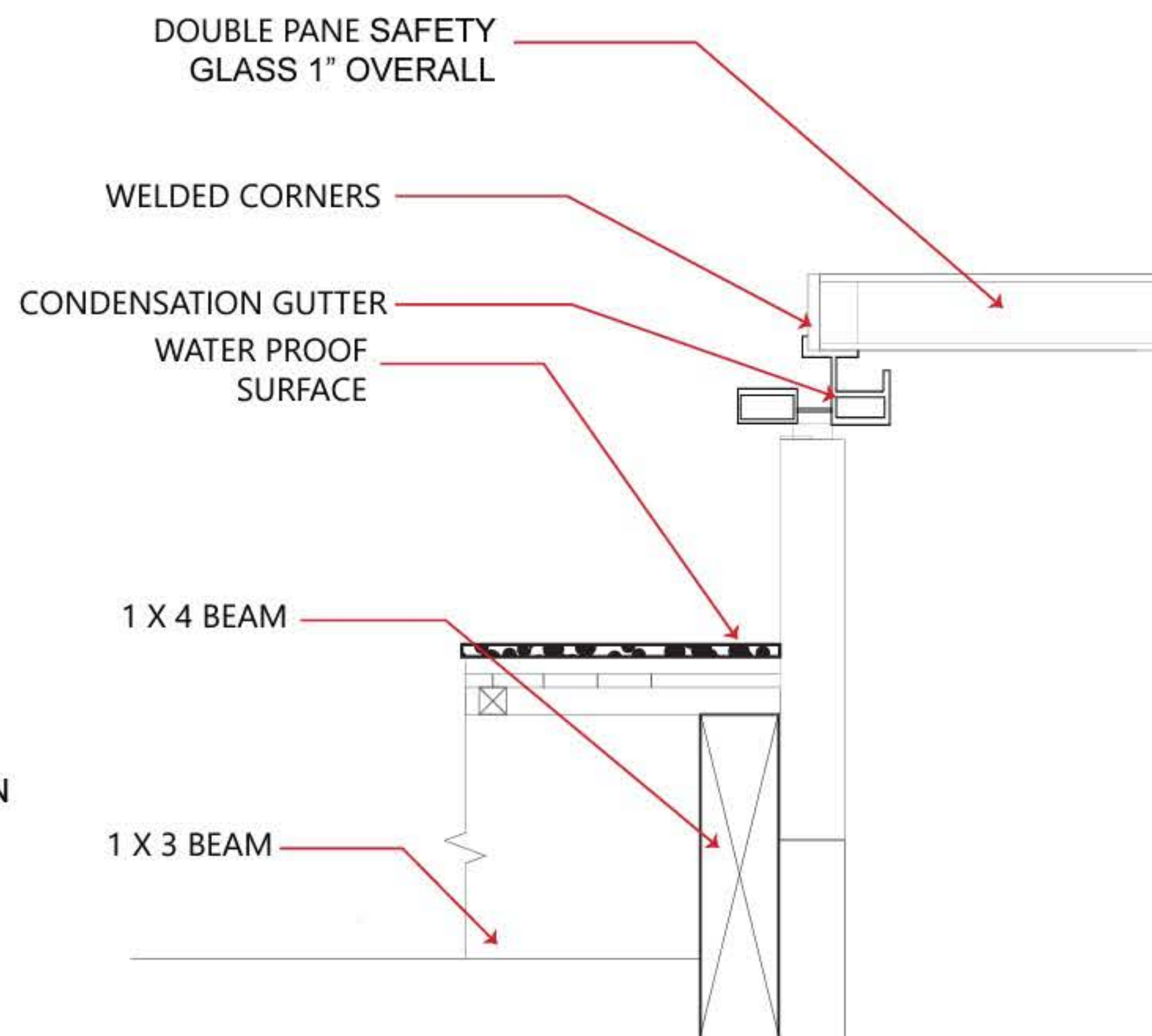
- BEAM - COLUMN CONNECTION CSI SPECIFICATIONS**
 DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
 06 10 00 ROUGH CARPENTRY
 - 06 13 00 HEAVY TIMBER CONSTRUCTION - 1'X4'
 - 06 17 00 SHOP FABRICATED STRUCTURAL WOOD - 2'X2'

- NON-BEARING PARTITION WALL DETAIL CSI SPECIFICATIONS**
 DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
 06 10 00 ROUGH CARPENTRY
 - 06 13 00 HEAVY TIMBER CONSTRUCTION - 1'X4'
 - 06 17 00 SHOP FABRICATED STRUCTURAL WOOD - 1'x1'

 06 70 00 STRUCTURAL COMPOSITES
 - 06 71 00 STRUCTURAL COMPOSITE SHAPES AND PLATES



STUD WALL ON EXTERIOR BEAM



ROOF-SKYLIGHT CONNECTION

- STUD WALL DETAIL CSI SPECIFICATIONS**
 DIVISION 03 - CONCRETE
 03 30 00 CAST-IN-PLACE CONCRETE
 - 03 31 00 STRUCTURAL CONCRETE SLAB

 DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
 06 10 00 ROUGH CARPENTRY
 - 06 11 00 WOOD FRAMING
 - 06 17 00 SHOP FABRICATED STRUCTURAL WOOD - 2'X2'

 06 40 00 ARCHITECTURAL WOODWORK
 - 06 49 00 WOOD SCREENS AND SHUTTERS

 06 50 00 STRUCTURAL PLASTICS
 - 06 51 00 STRUCTURAL PLASTIC SHAPES AND PLATES

 DIVISION 07 - THERMAL AND MOISTURE PROTECTION
 07 10 00 DAMP-PROOFING AND WATERPROOFING
 - 07 11 00 DAMP-PROOFING

 DIVISION 09 - FINISHES
 09 60 00 FLOORING
 - 09 64 00 WOOD FLOORING - CLT FINISH

 09 90 00 PAINTING AND COATING
 - 09 97 00 SPECIAL COATING - EPOXY

- DIVISION 31 - EARTHWORK
 31 60 00 SPECIAL FOUNDATION AND LOAD-BEARING ELEMENTS
 - 31 68 00 FOUNDATION ANCHORS

- ROOF-SKYLIGHT CONNECTION CSI SPECIFICATIONS**
 DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
 06 10 00 ROUGH CARPENTRY
 - 06 13 00 HEAVY TIMBER CONSTRUCTION - 1'X3'
 - 06 13 00 HEAVY TIMBER CONSTRUCTION - 1'X4'

- DIVISION 07 - THERMAL AND MOISTURE PROTECTION
 07 10 00 DAMP-PROOFING AND WATERPROOFING
 - 07 13 00 SHEET WATERPROOFING

- DIVISION 07 - THERMAL AND MOISTURE PROTECTION
 08 80 00 DAMP-PROOFING AND WATERPROOFING
 - 08 81 00 GLASS GLAZING

- DIVISION 32 - EXTERIOR IMPROVEMENTS
 32 10 00 BASES, BALLASTS, AND PAVING
 - 32 16 00 CURBS, GUTTERS, SIDEWALK, AND DRIVEWAYS