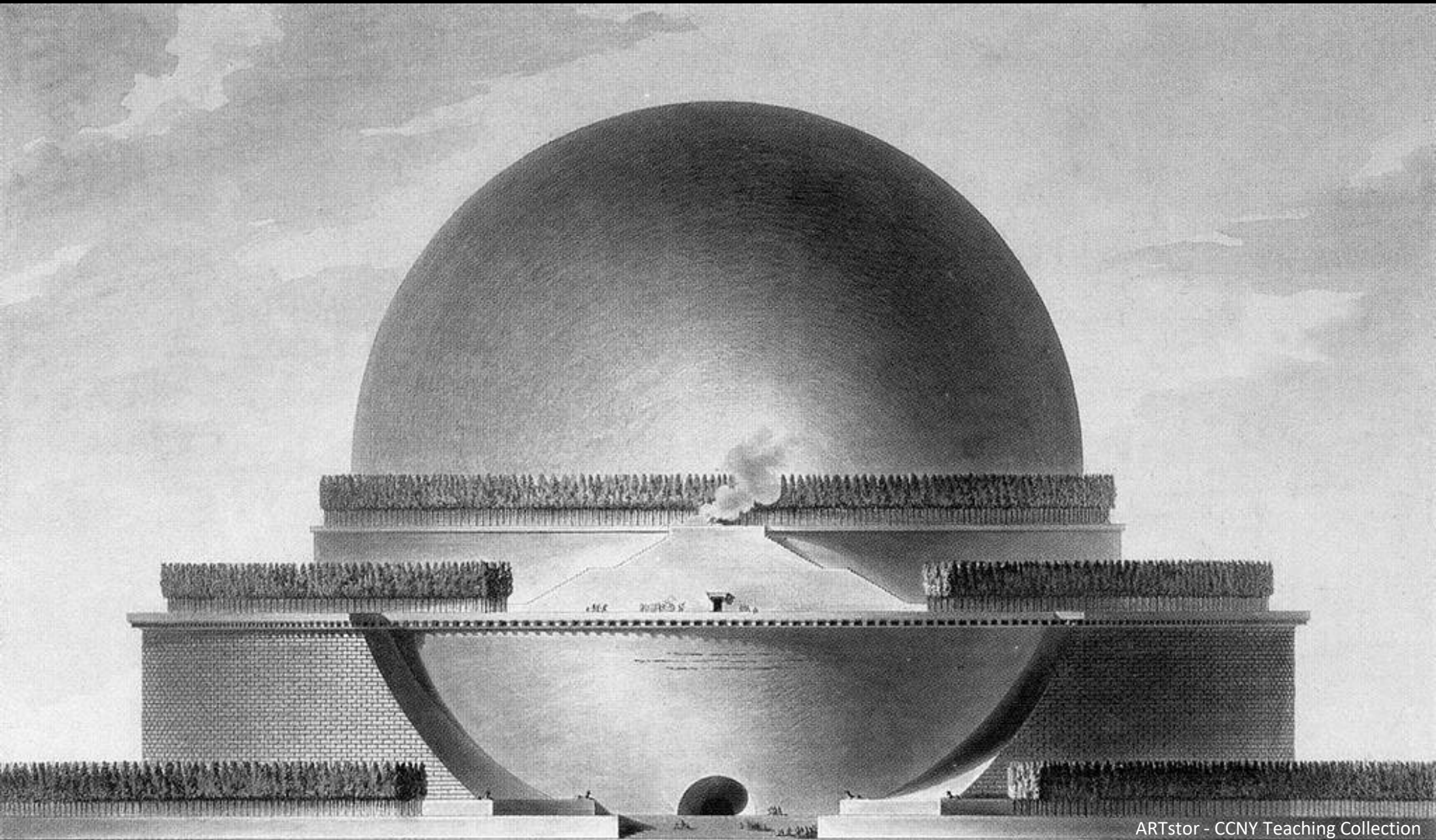


# ARCH 2331

## BUILDING TECHNOLOGY II



# Class Overview:

- Sketching in Architecture
- Tectonic Architecture
- Pinup (miro)
- 3-D structural model

## Upcoming:

- PDF submission
- Post your tectonic Sketch
- 3-D submission
- Concrete/foundation lectures
- Quiz on concrete

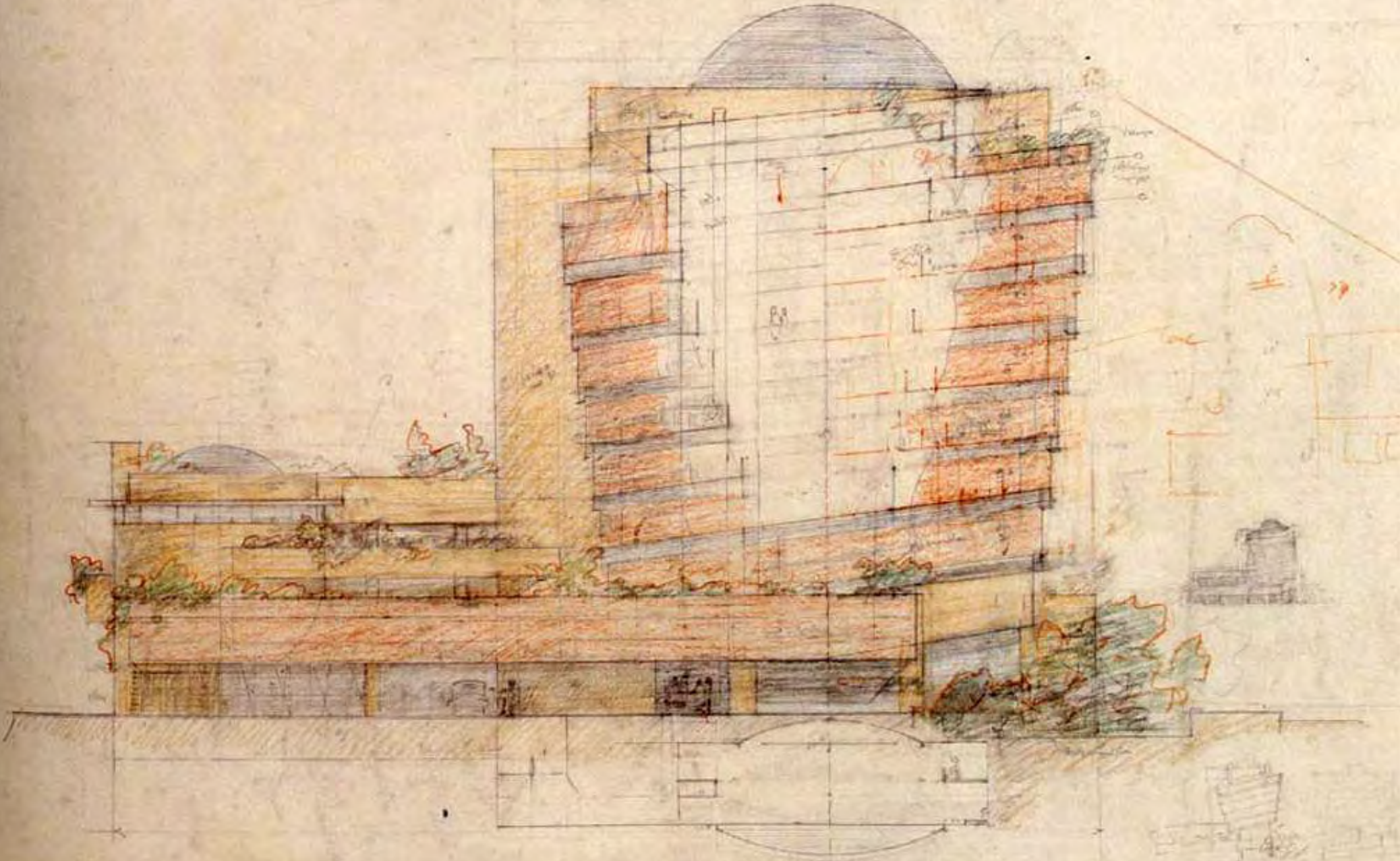
# Sketching in Architecture

# Klitgord building

Perkins Eastman Architects

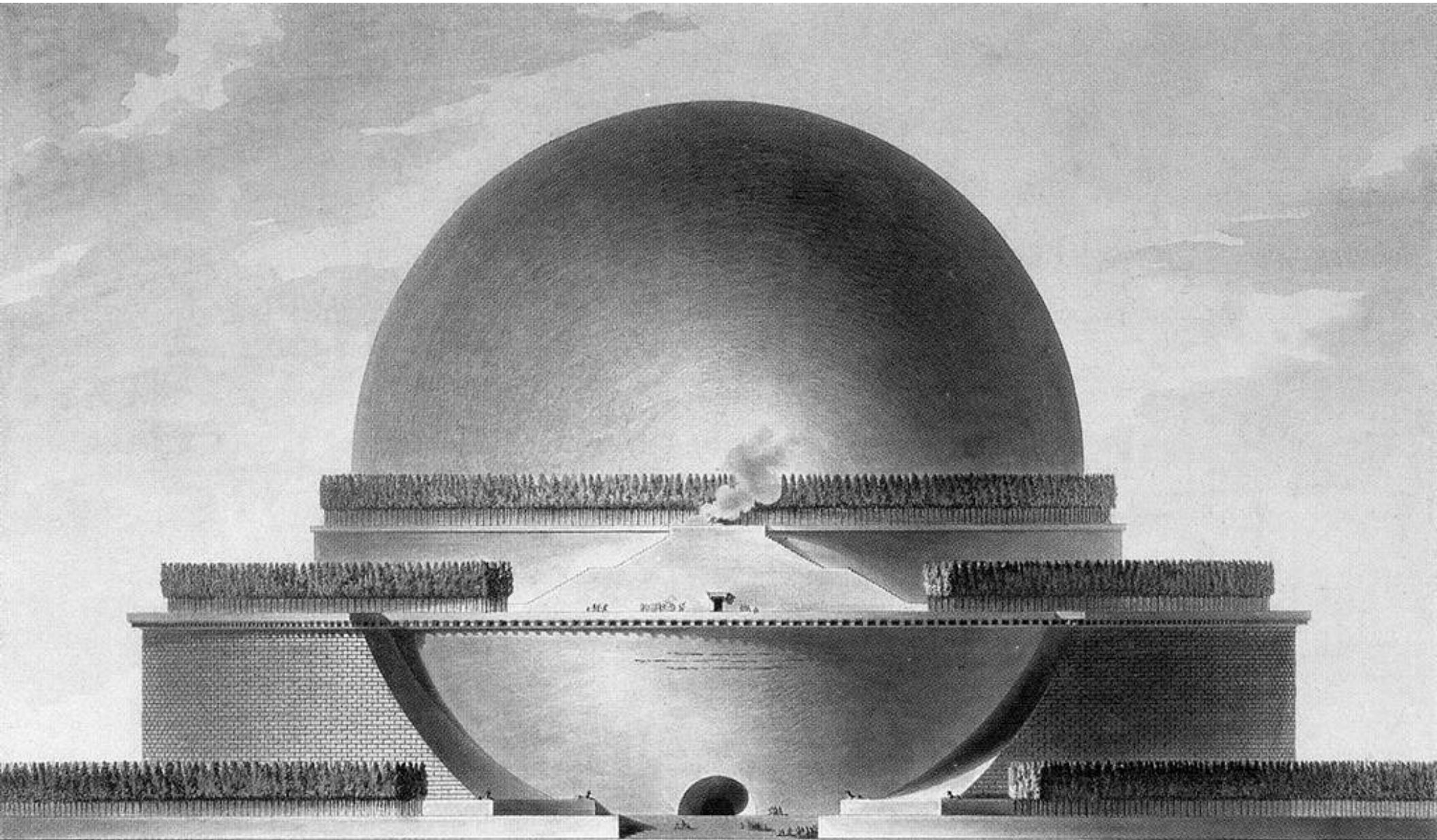


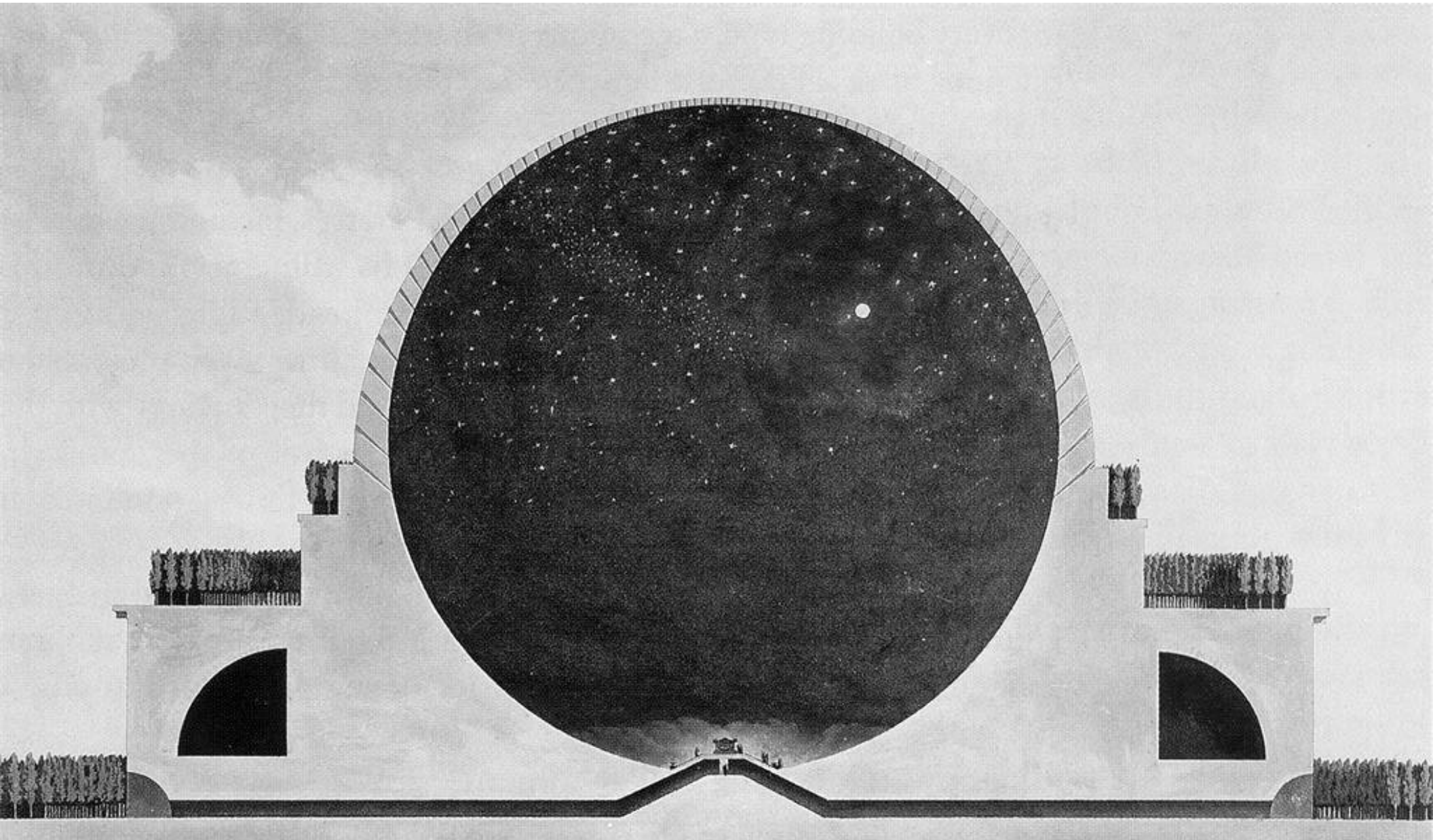
# Sketching, drafting and CAD techniques



Giovanni Battista Piranesi, 1720 – 1778.

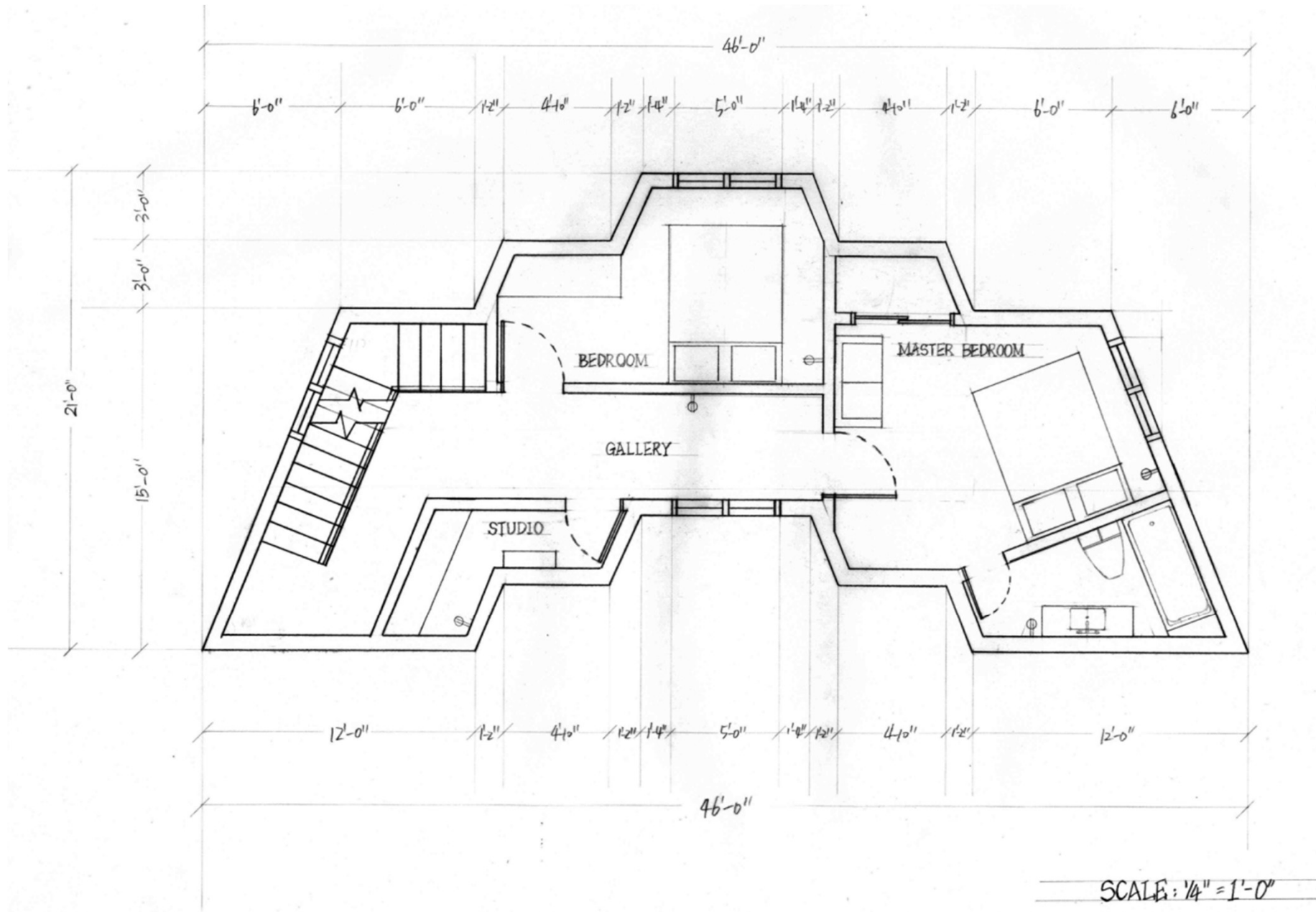




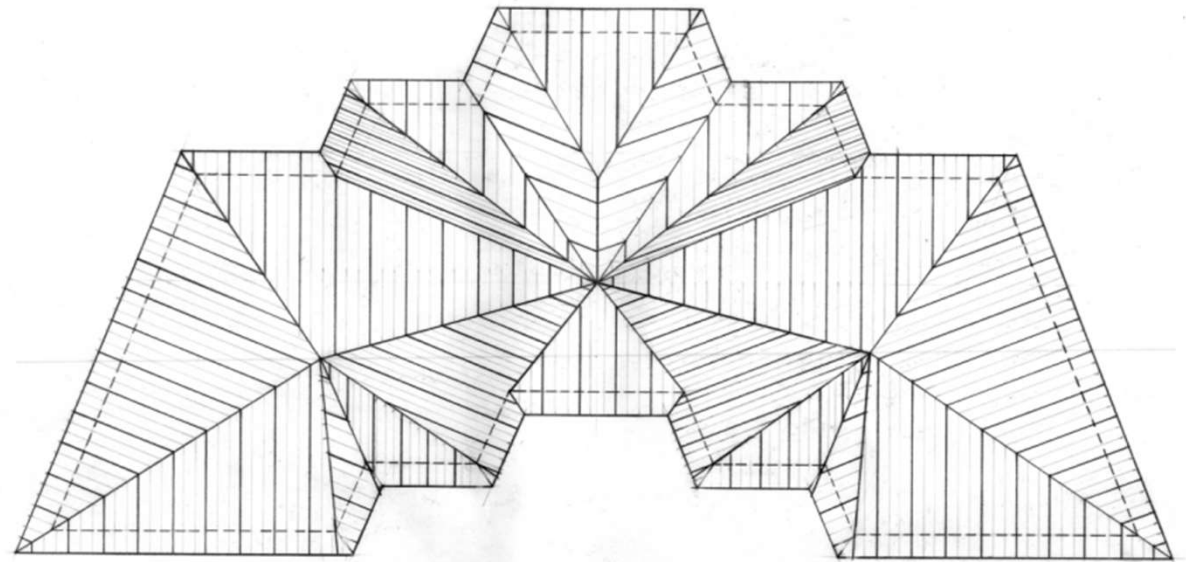
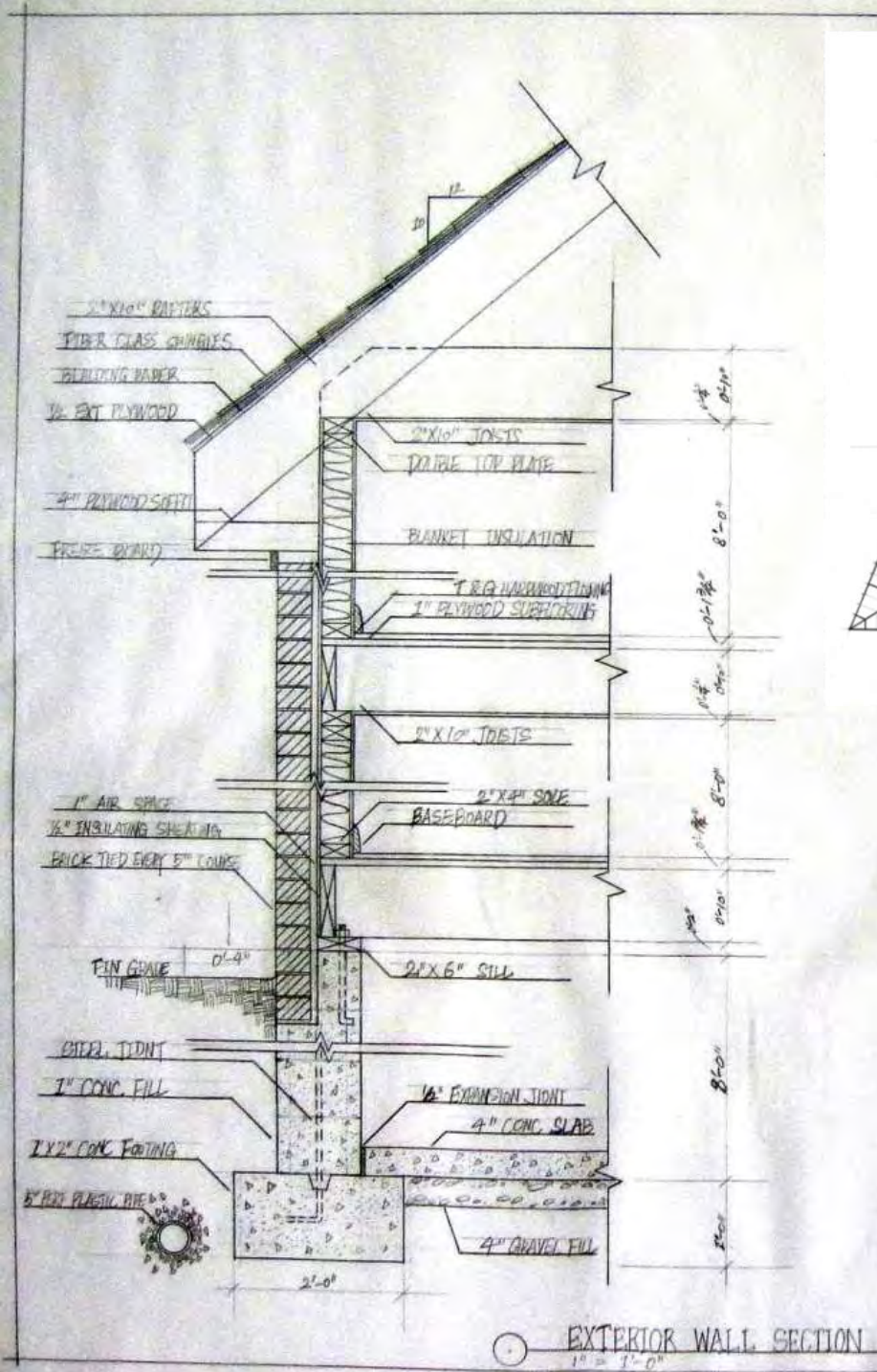




# Sketching, drafting and CAD techniques

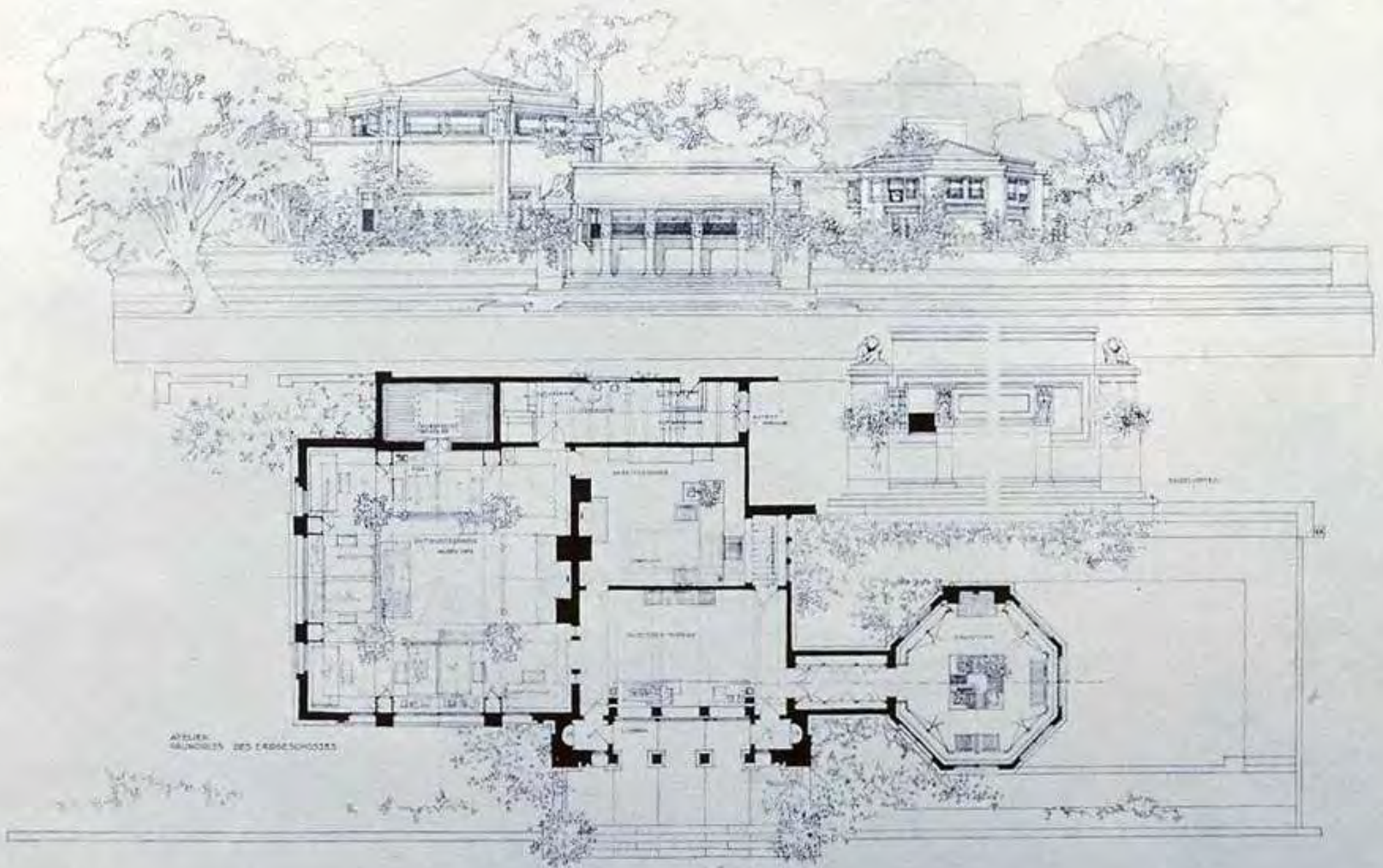


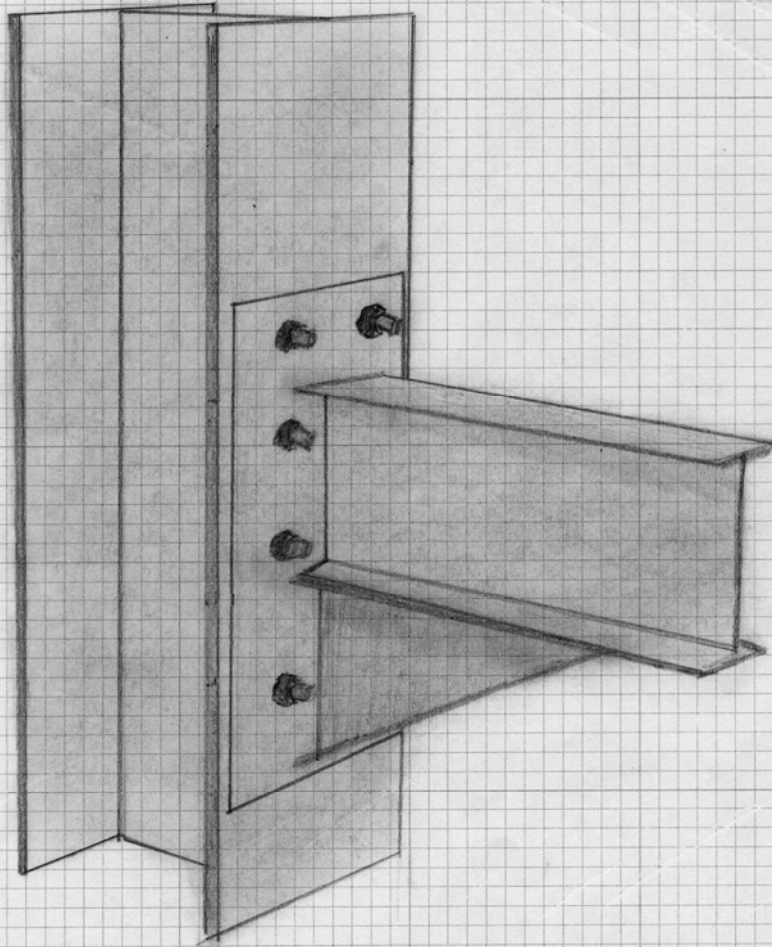
# Sketching, drafting and CAD techniques



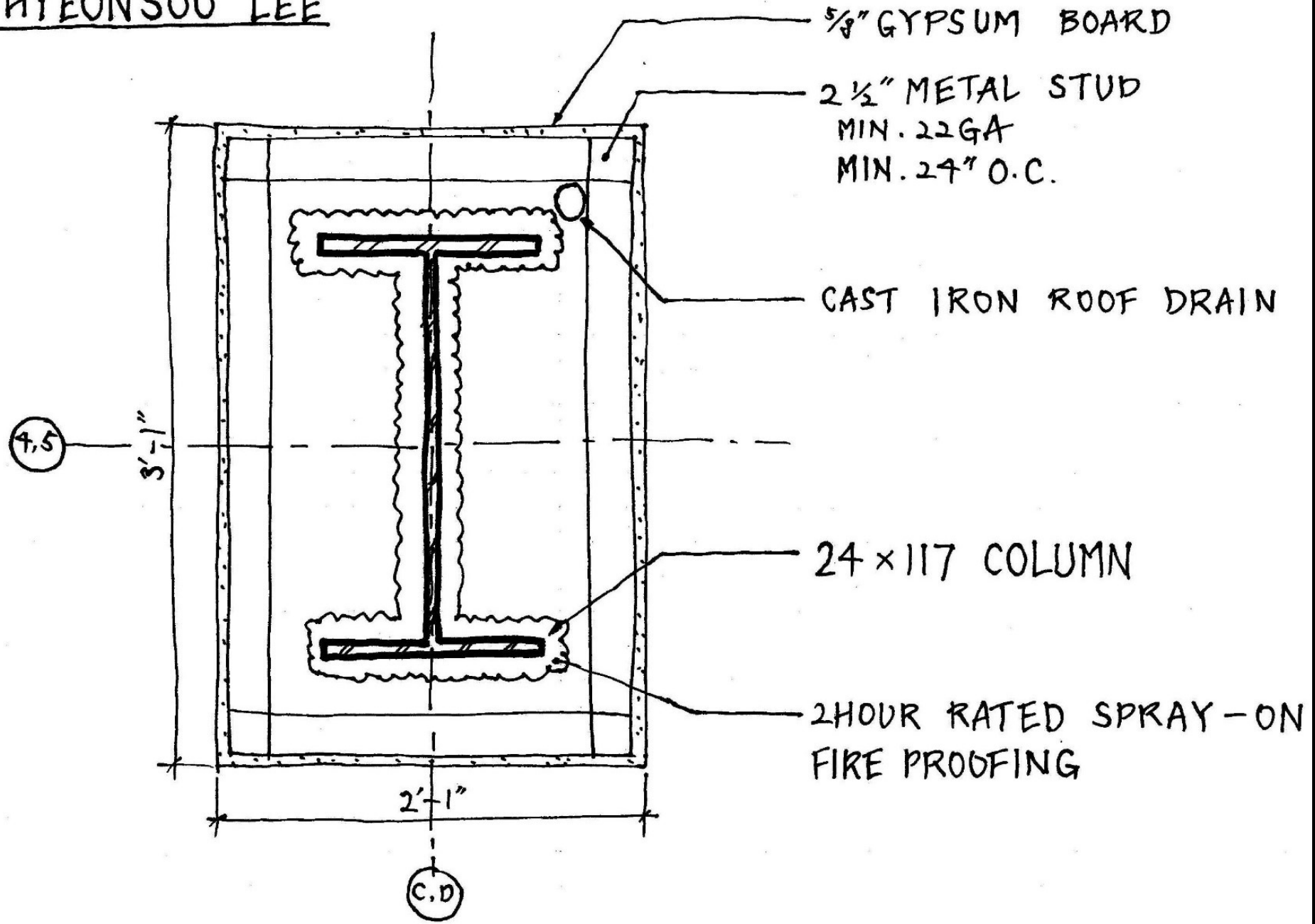
Yuhui Ouyang, hand drafted

# Sketching, drafting and CAD techniques

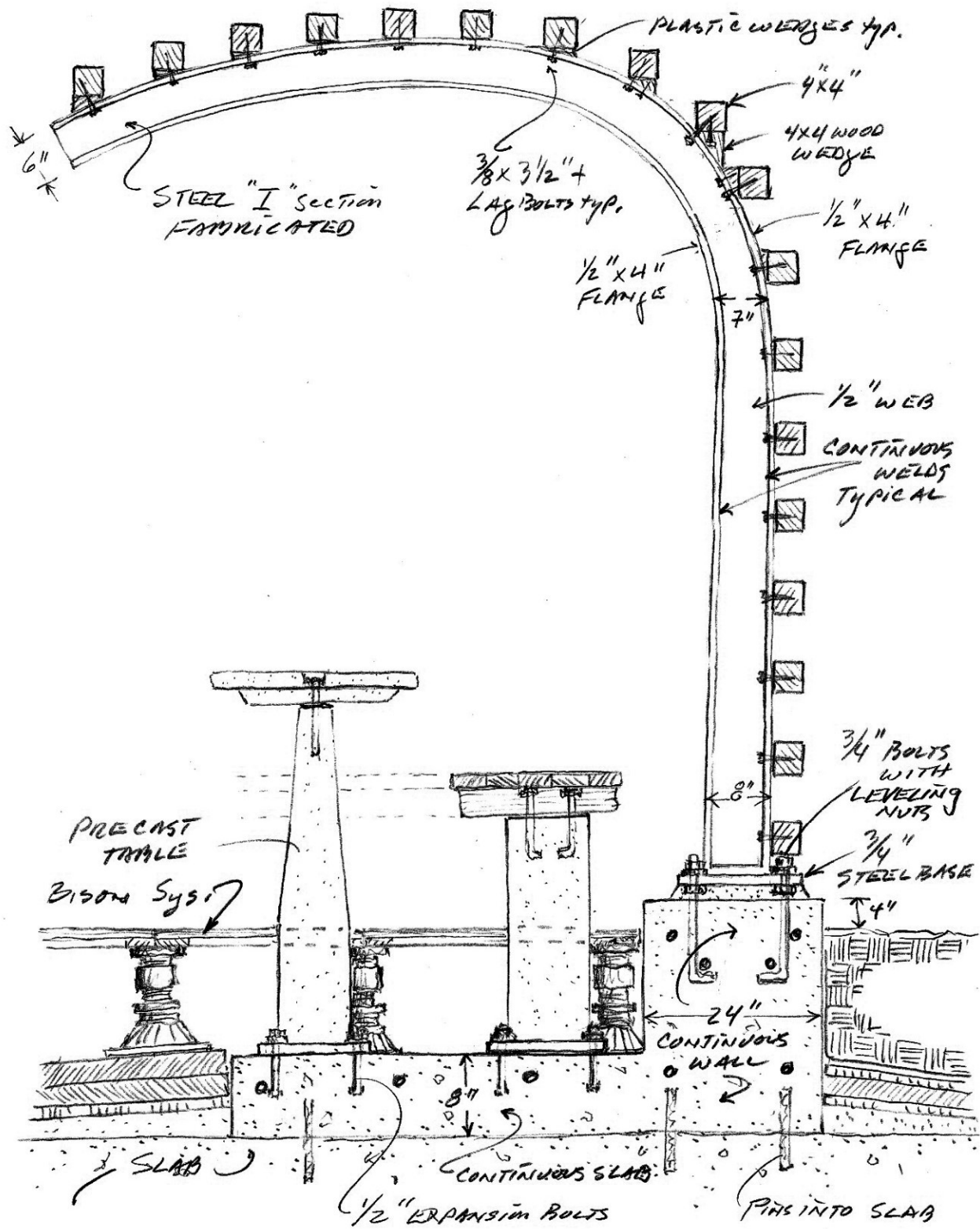




HYEONSOO LEE



(SKG) COLUMN PLAN  
1 1/2" = 1'-0"



# TECTONIC ARCHITECTURE

- Tectonics in architecture is defined as "the science or art of construction, both in relation to use and artistic design."
- Tectonic buildings will show the occupant how the building functions.
- Expression of the structure system and functional/program in its form.

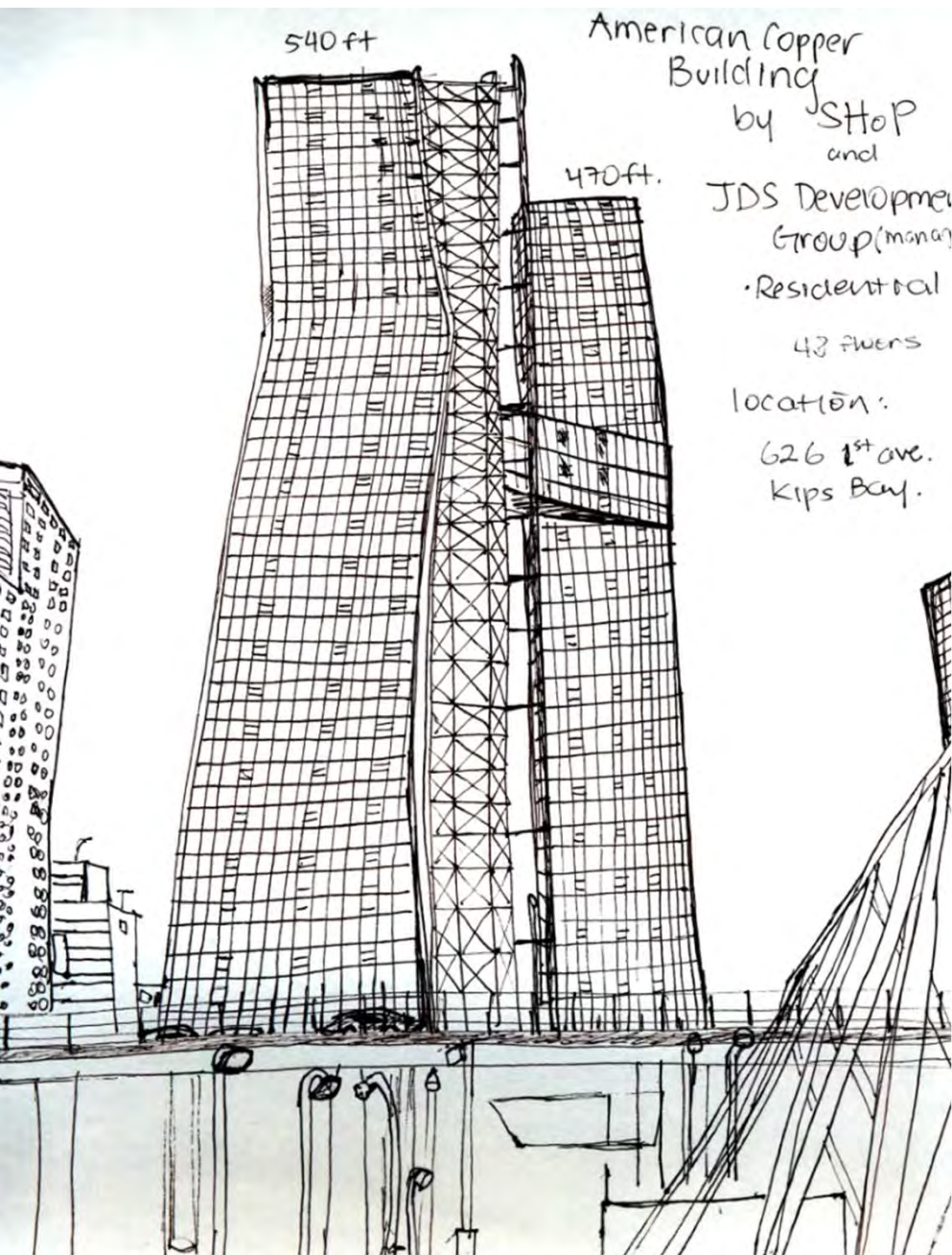






# THE NEW YORK COLLEGE OF TECHNOLOGY

Arquitectonica - The High School for Construction Trade, Engineering and Architecture



540 ft

American Copper  
Building  
by SHoP  
and

470 ft.

JDS Developer  
Group (manag)

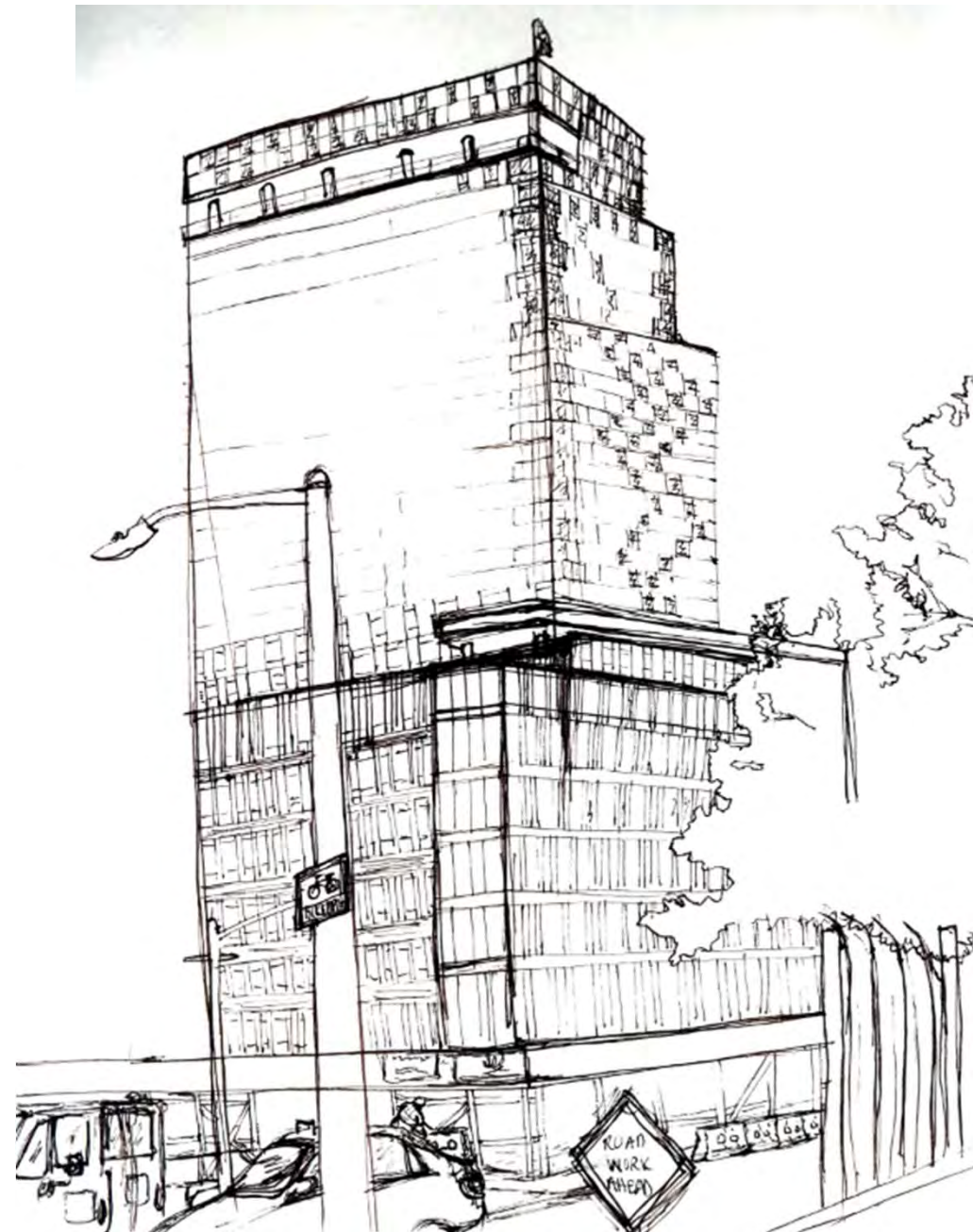
• Residential

43 floors

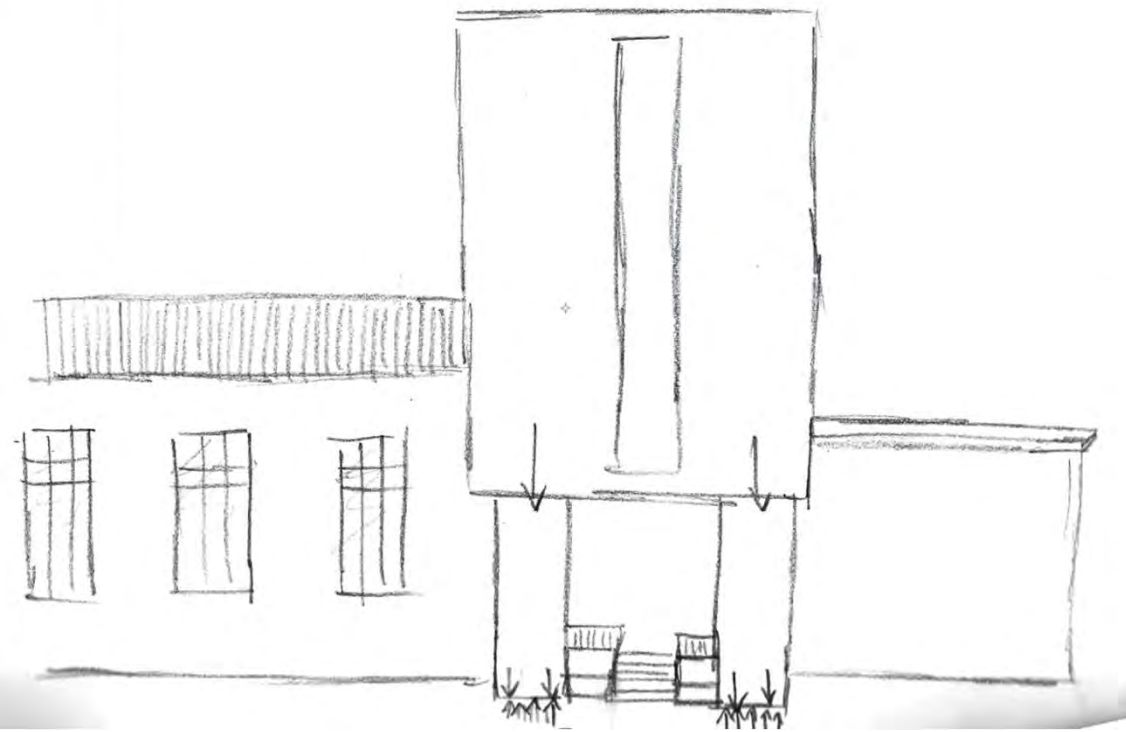
location:

626 1<sup>st</sup> ave.

Kips Bay.



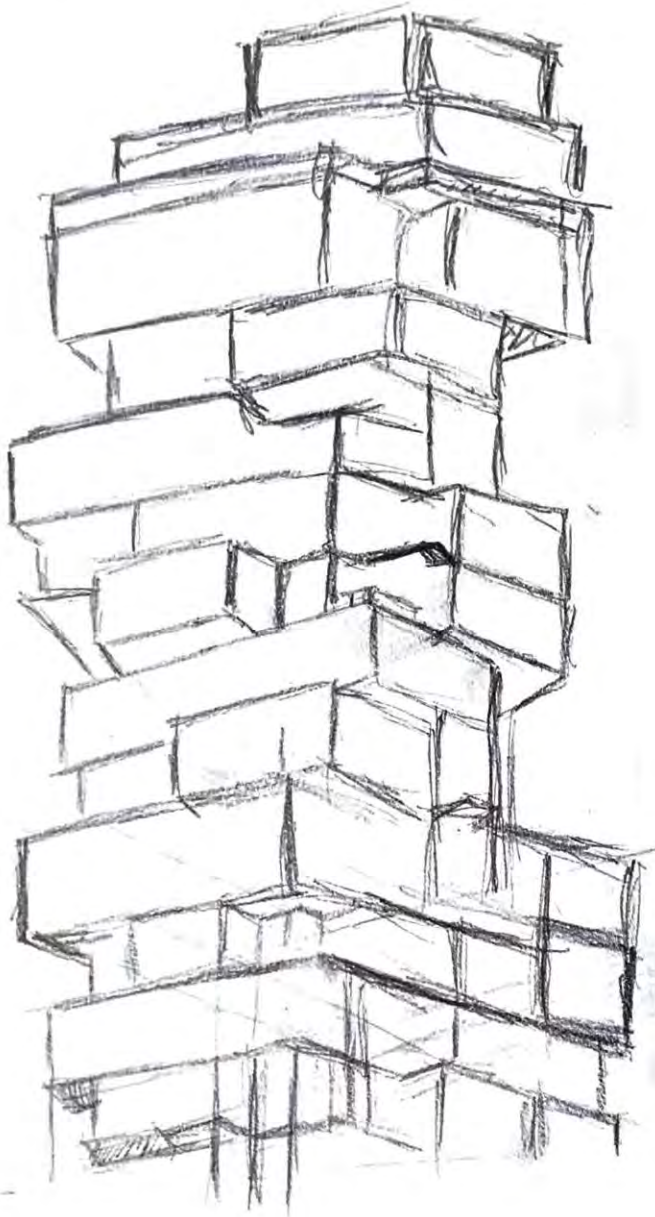




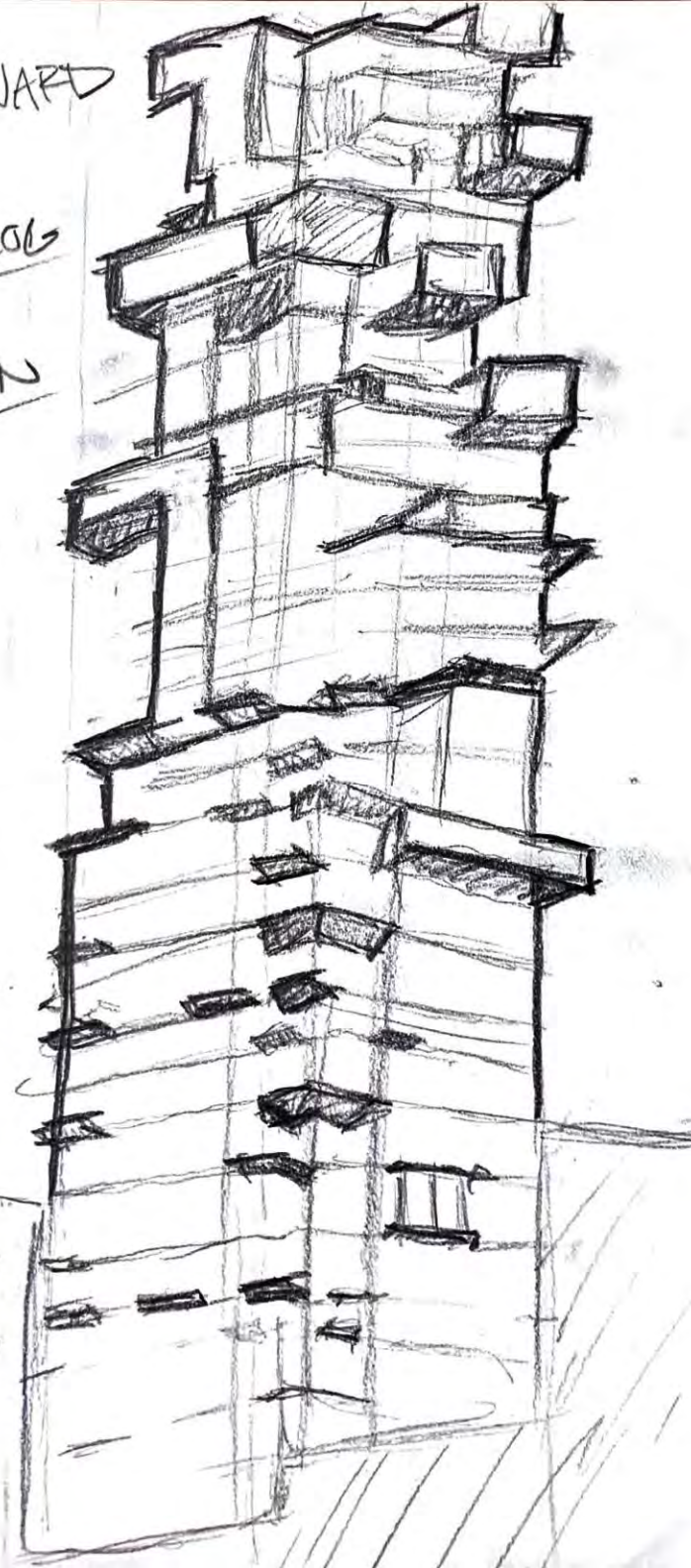
Josue Perez



Kimberly Mora Bello



56 LEONARD  
ST.  
- HERZOG  
DE  
MEURON







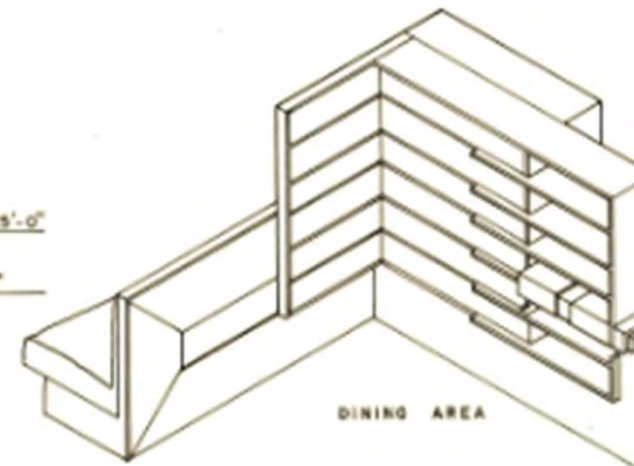
BOT. JOISTS - BDRM. - + 25'-0"

BOT. JOISTS - LIVING AREA - + 23'-1"

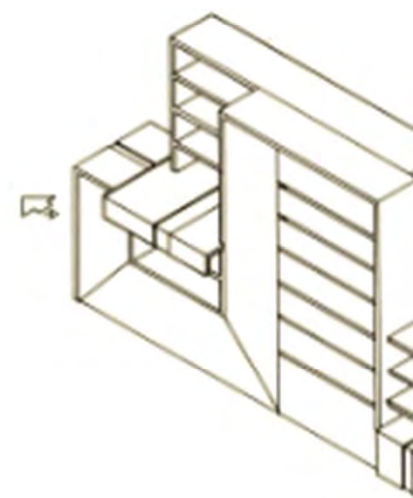
BDRM. FL. - + 16'-6"

LIVING AREA FL. - + 9'-1 1/4"

GROUND = 0



DINING AREA



DIVIDER UNIT BETWEEN LIVING AND DINING

SECTION B  
1/4" = 1'-0"

CASE STUDY  
**LOVELL BEACH HOUSE**

1242 W OCEANFRONT,  
 NEWPORT BEACH, CA

TEAM  
 COREY BREEGLE

BREEGLE +  
 ASSOCIATES  
 ARCHITECTURE

507 6TH STREET  
 NEW YORK, NY

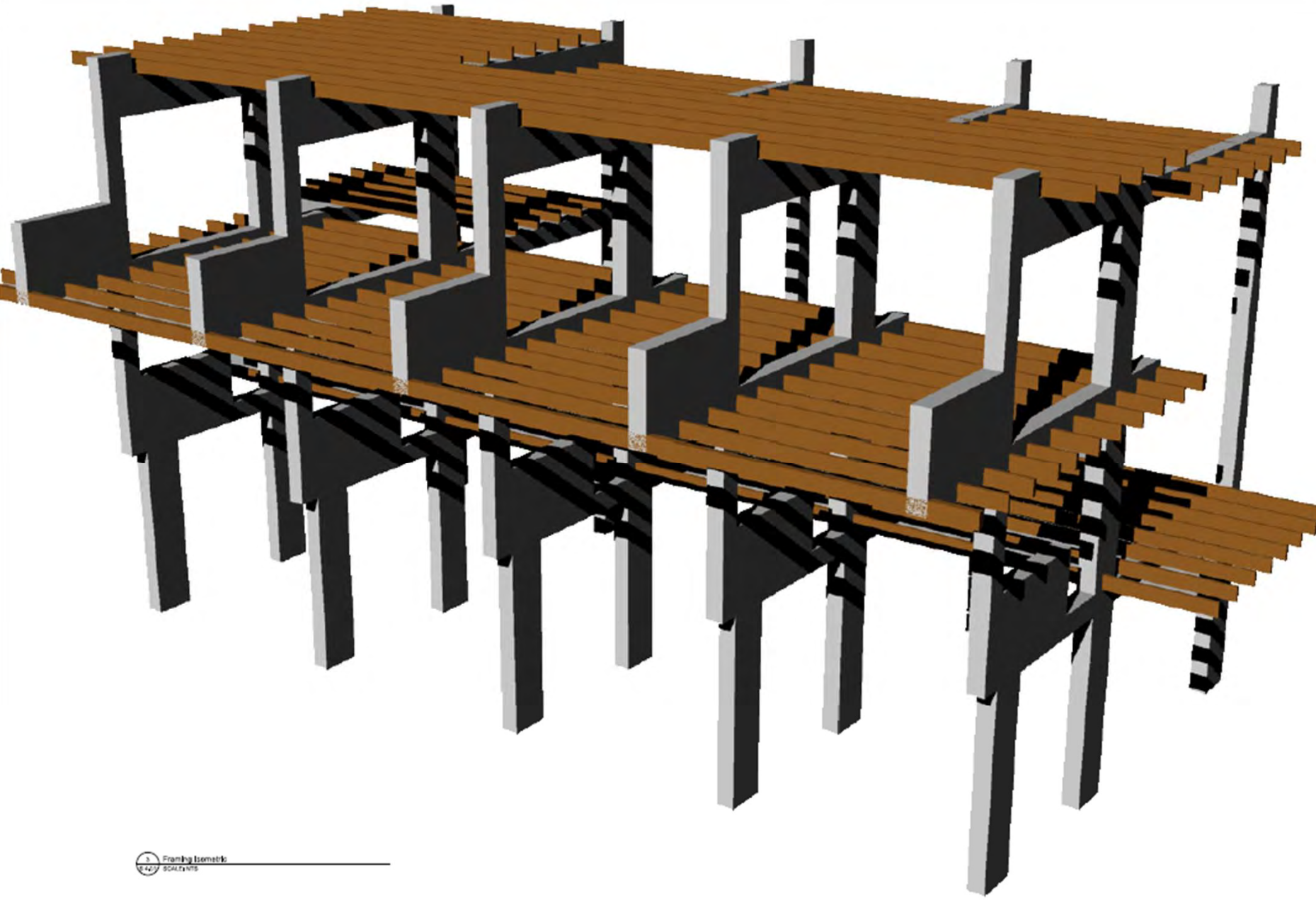


DATE	SUBMISSION
2/27/2014	WORK BY

FRAMING BOVETRIC  
 LOVELL BEACH HOUSE

DATE: 2/18/12  
 PROJECTING: [Signature]  
 DRAWING BY: Corey Breegle  
 DATE: Prof. Approval  
 DRAWN:  
**S 4.01**

DATE: 2/18/12	NO. 3 OF 3
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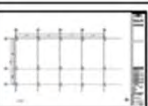


**CASE STUDY**  
**Lovell House**

1242 West Ocean Front,  
Newport Beach, CA

Professor Aptekar

ARCH 1230



DATE	SUBMISSION
2016/06/04	Final Presentation
2016/05/13	Final Presentation
YYYY/MM/DD	
YYYY/MM/DD	
YYYY/MM/DD	
YYYY/MM/DD	
YYYY/MM/DD	
YYYY/MM/DD	
YYYY/MM/DD	
YYYY/MM/DD	
YYYY/MM/DD	
YYYY/MM/DD	
YYYY/MM/DD	
YYYY/MM/DD	

DRG TITLE  
Structure  
Isometric

Date: 09/19/2016

Project Number: 1

Name: Djaz.Darwin

