



Villa Vuoto

Gestured Form and Activated Space

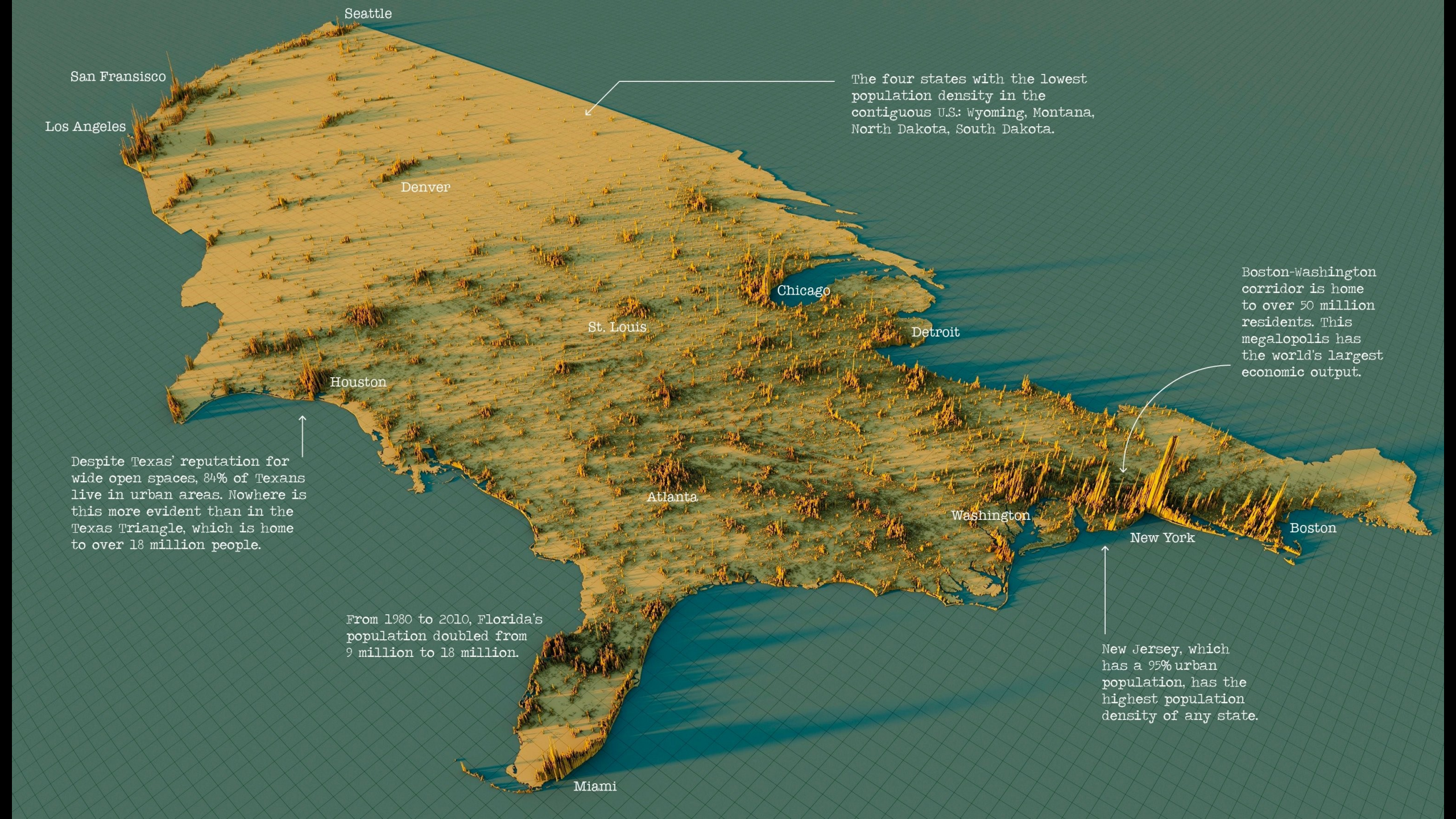
Osher at CMU 2024.03.27



Design Links

Building Codes, Officials and Construction Apps





Seattle

San Francisco

Los Angeles

Denver

Chicago

St. Louis

Detroit

Houston

Atlanta

Washington

New York

Boston

Miami

The four states with the lowest population density in the contiguous U.S.: Wyoming, Montana, North Dakota, South Dakota.

Boston-Washington corridor is home to over 50 million residents. This megalopolis has the world's largest economic output.

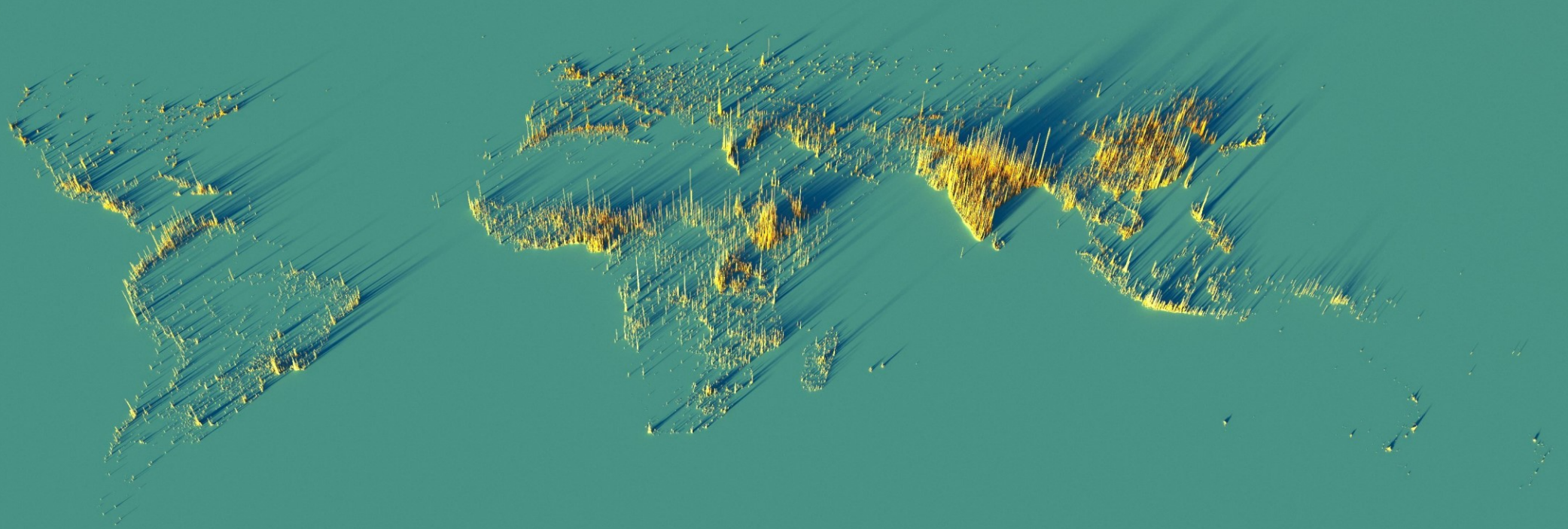
New Jersey, which has a 95% urban population, has the highest population density of any state.

Despite Texas' reputation for wide open spaces, 84% of Texans live in urban areas. Nowhere is this more evident than in the Texas Triangle, which is home to over 18 million people.

From 1980 to 2010, Florida's population doubled from 9 million to 18 million.

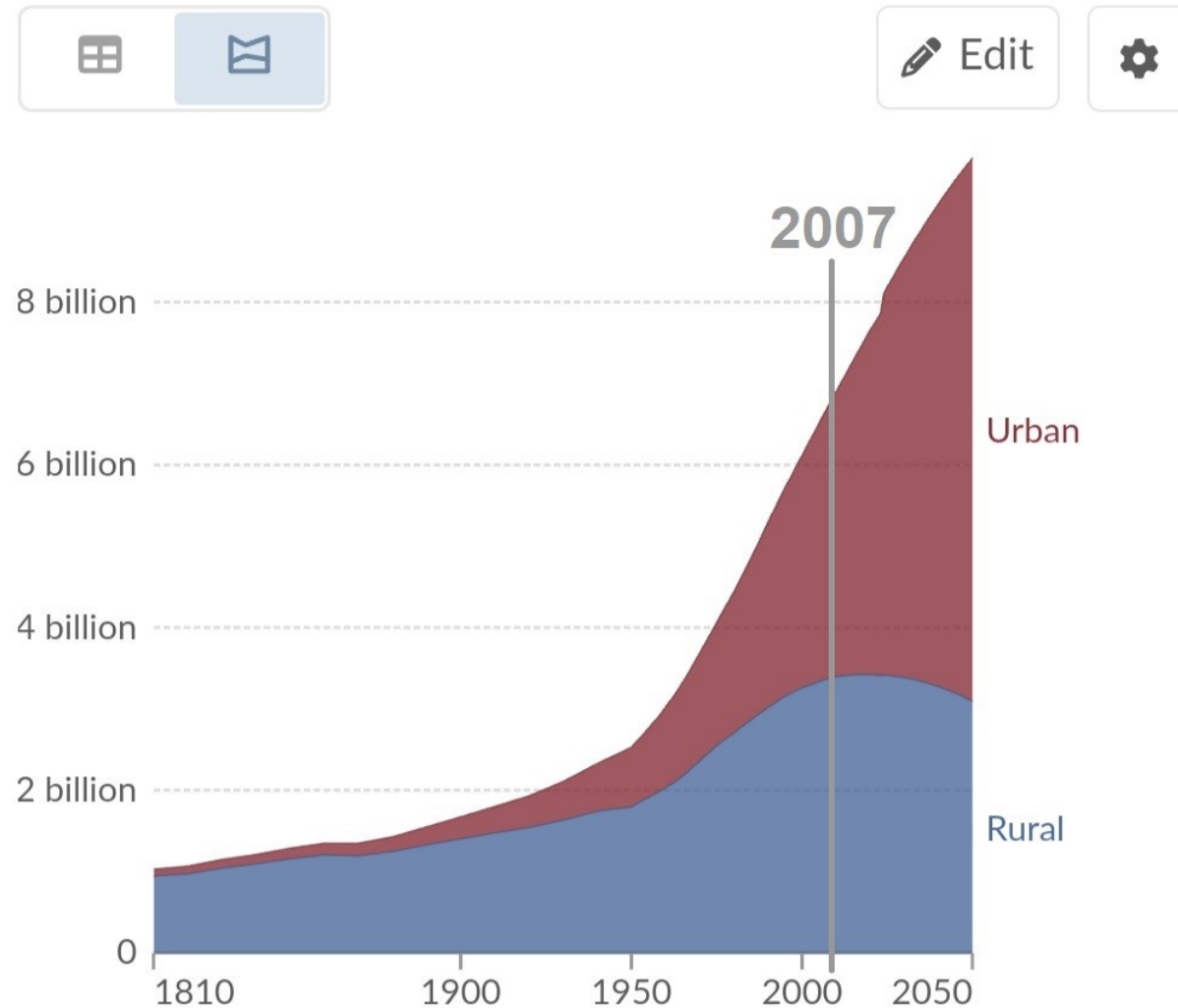
Global Population Density

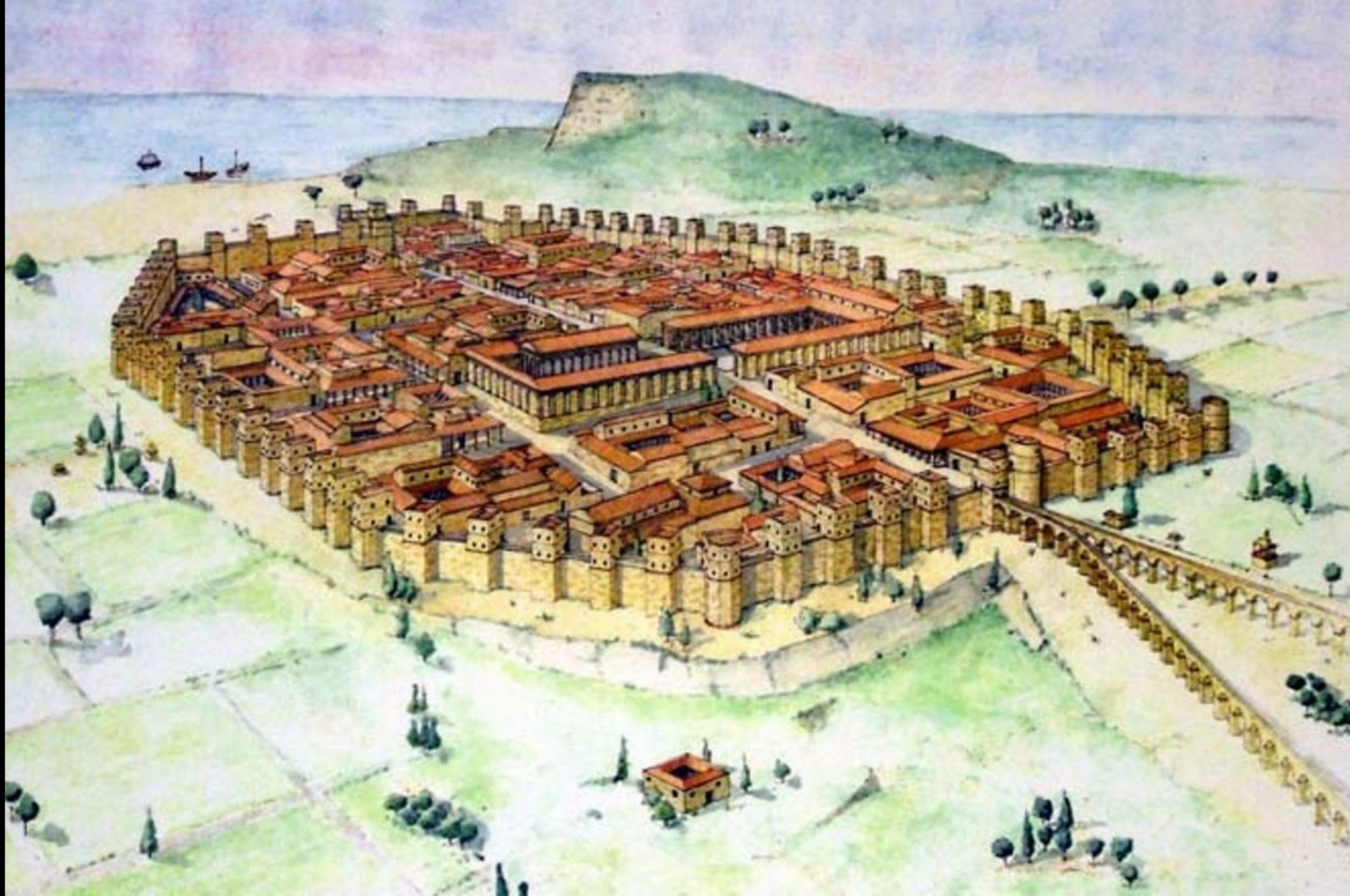
The height of the spikes relates to the number of people living in an area - roughly 2km x 2km

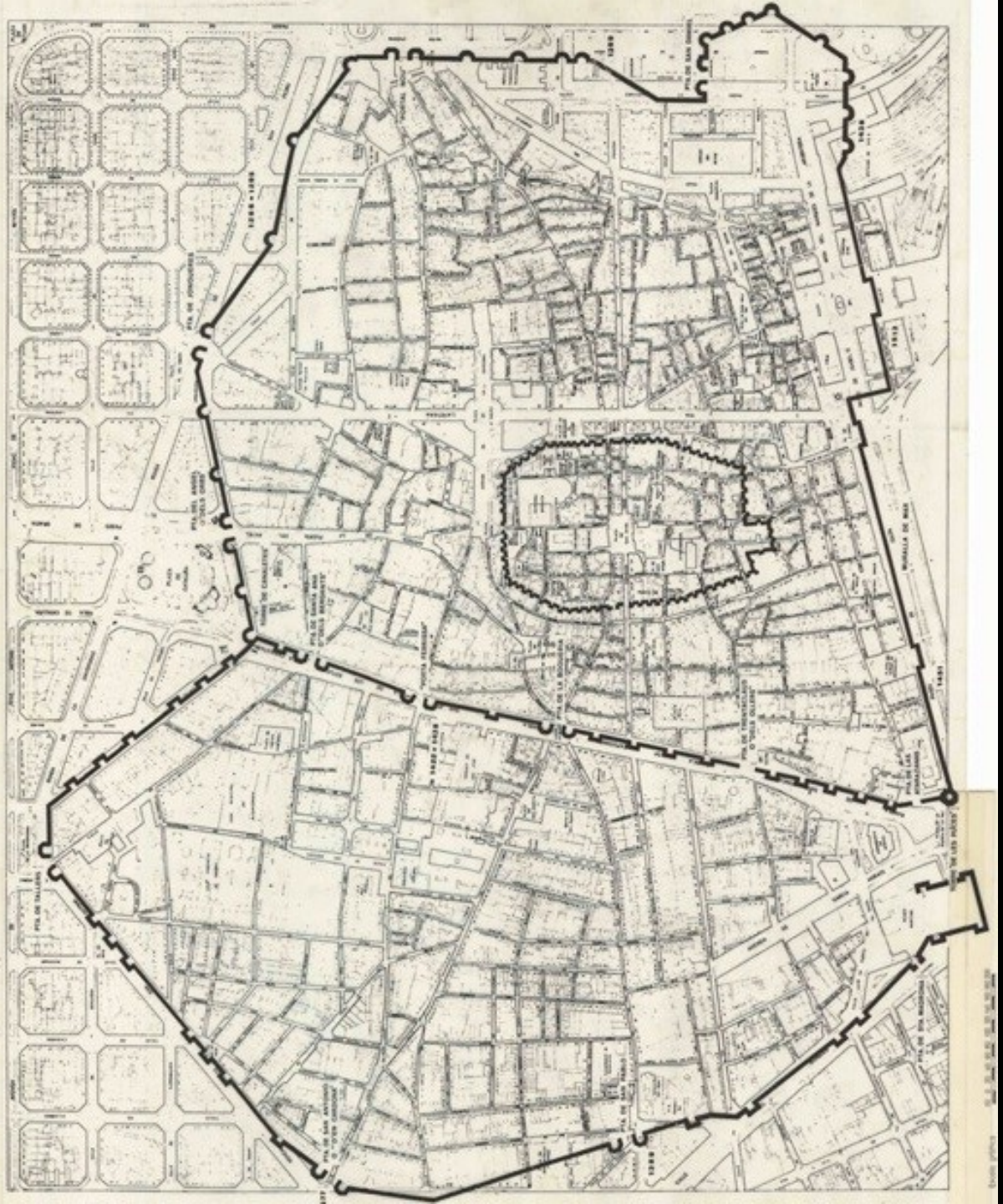


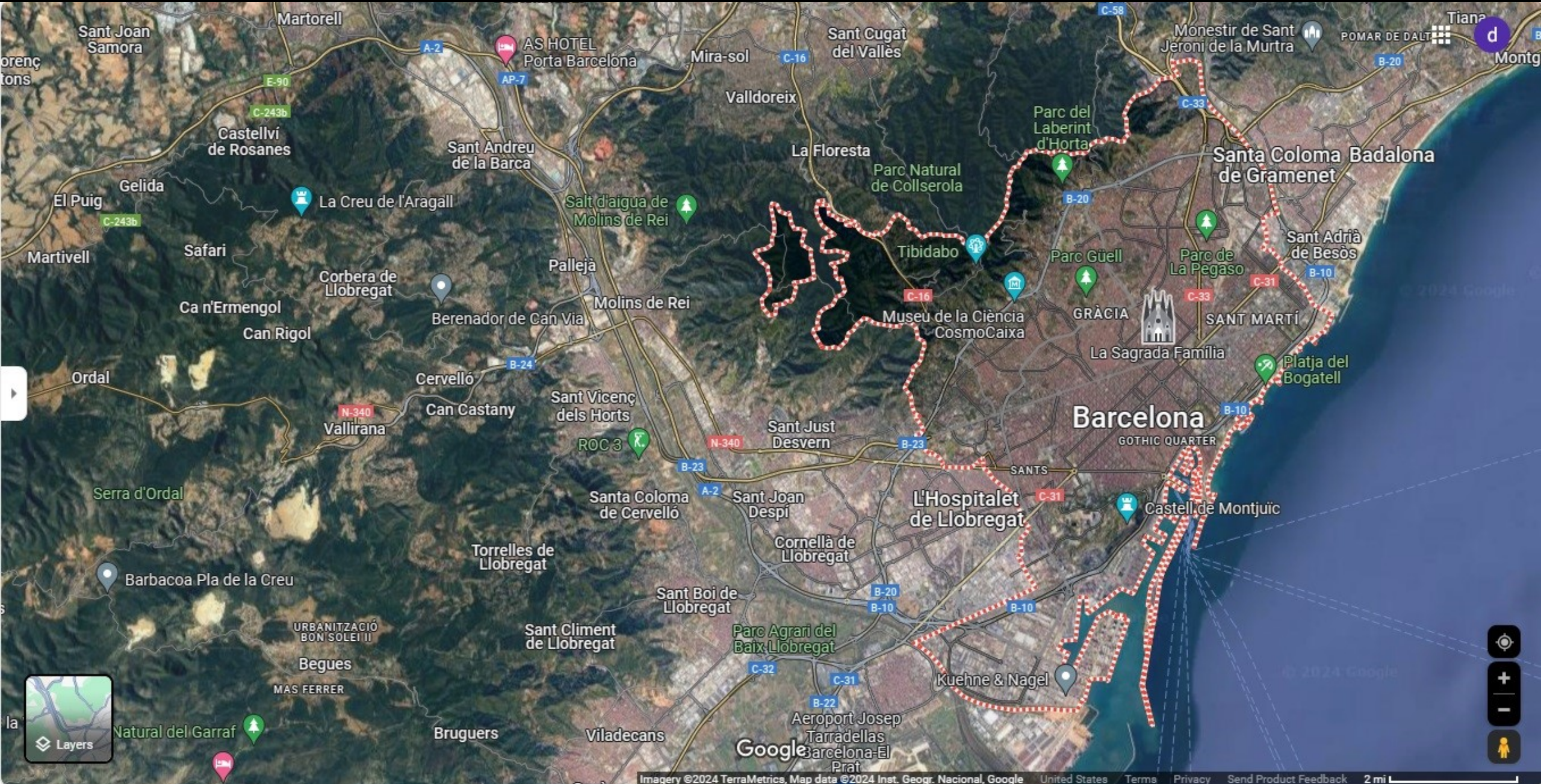
Urban and rural population projected to 2050, World, 1810 to 2050

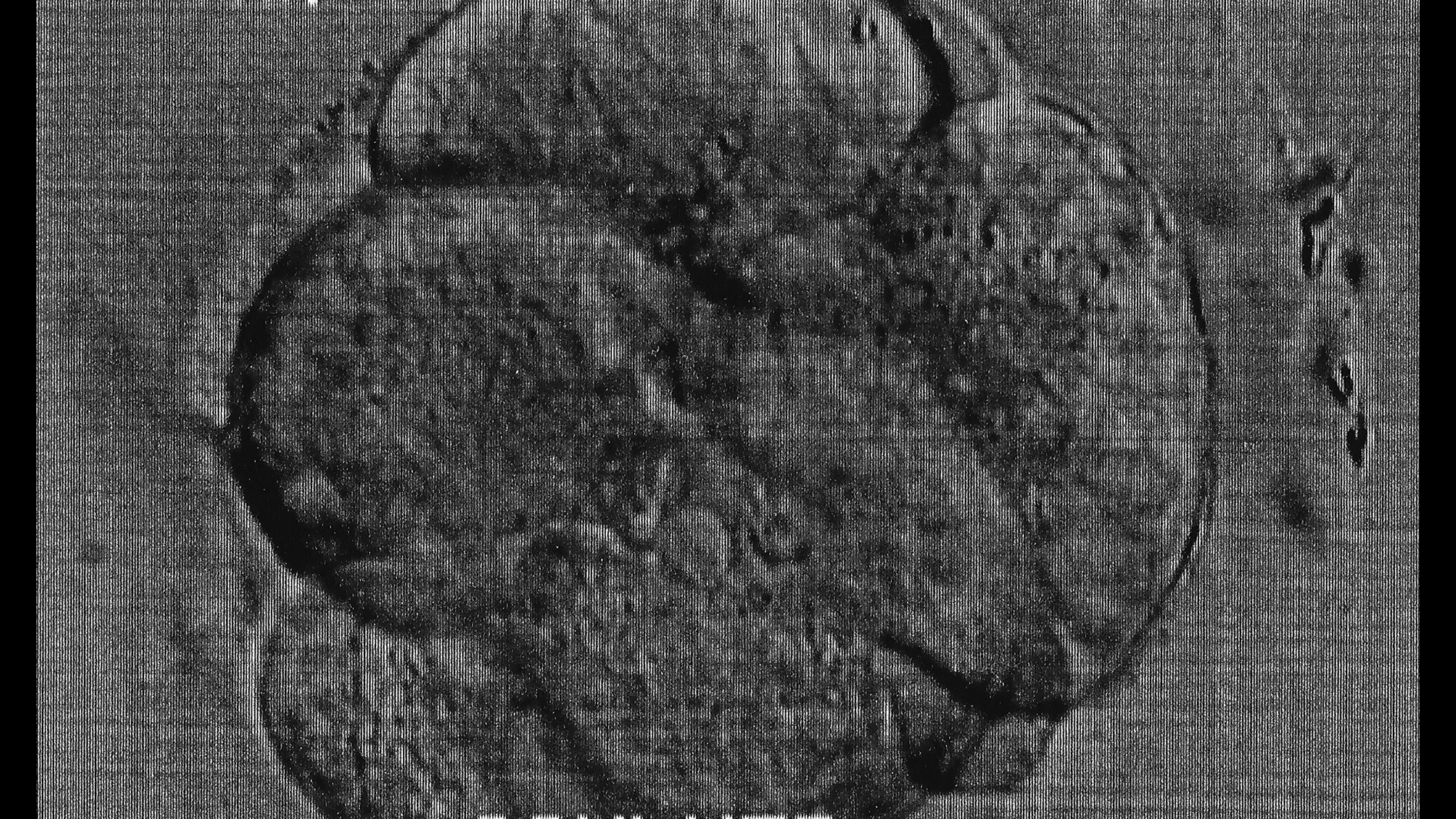
Total urban and rural population, given as estimates to 2023, and UN projections to 2050. Projections are based on the UN World Urbanization Prospects and its median fertility scenario.

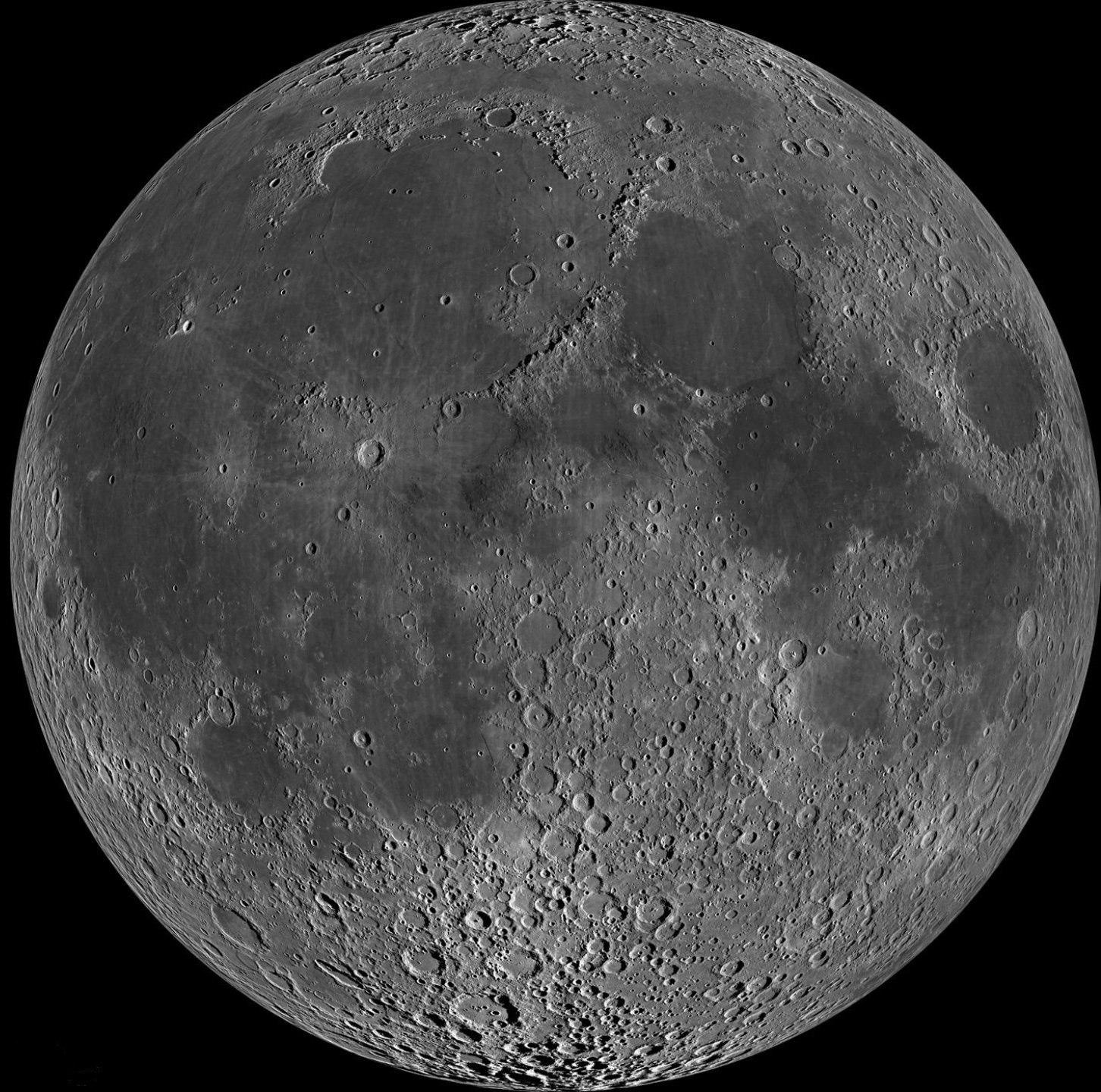




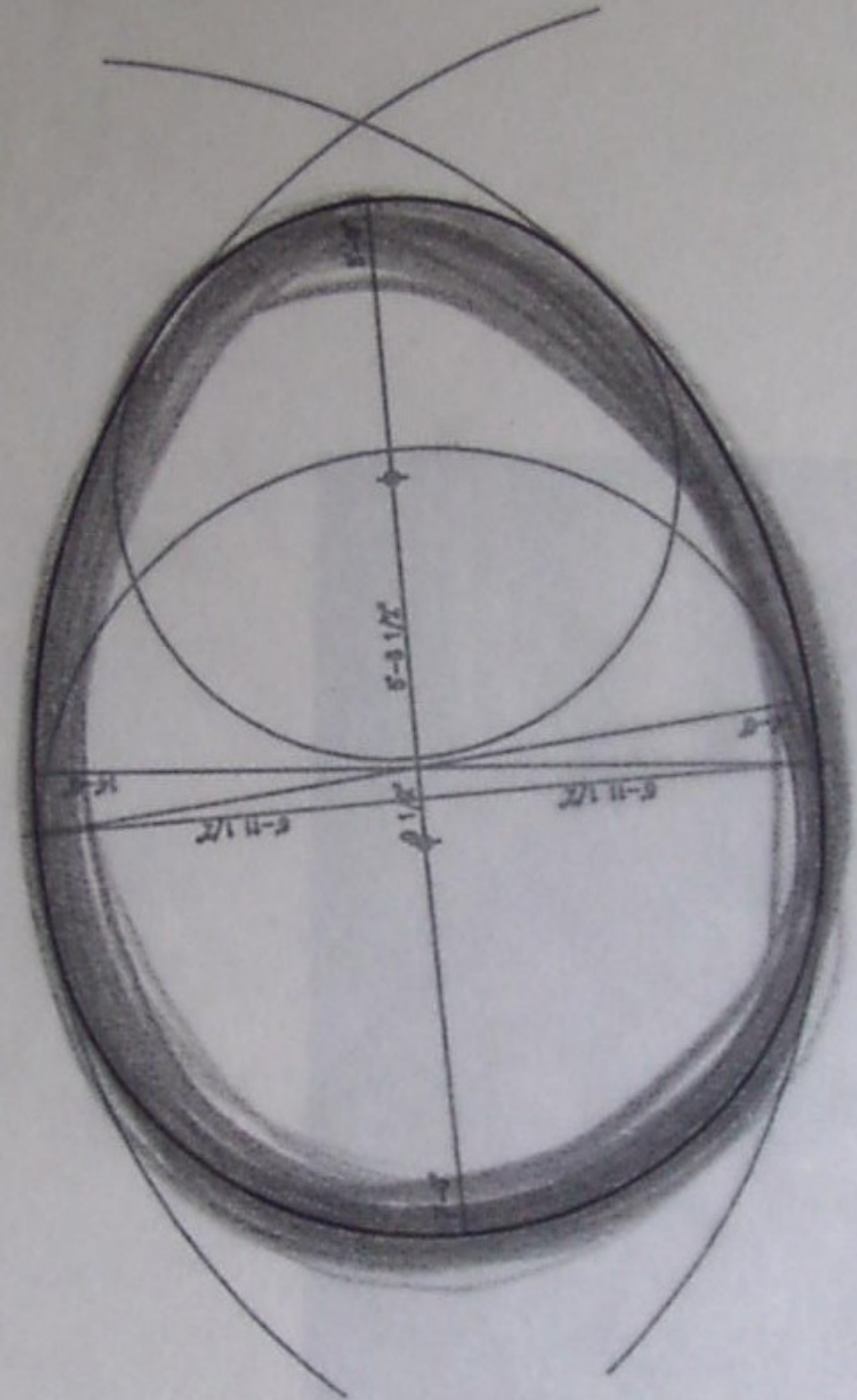












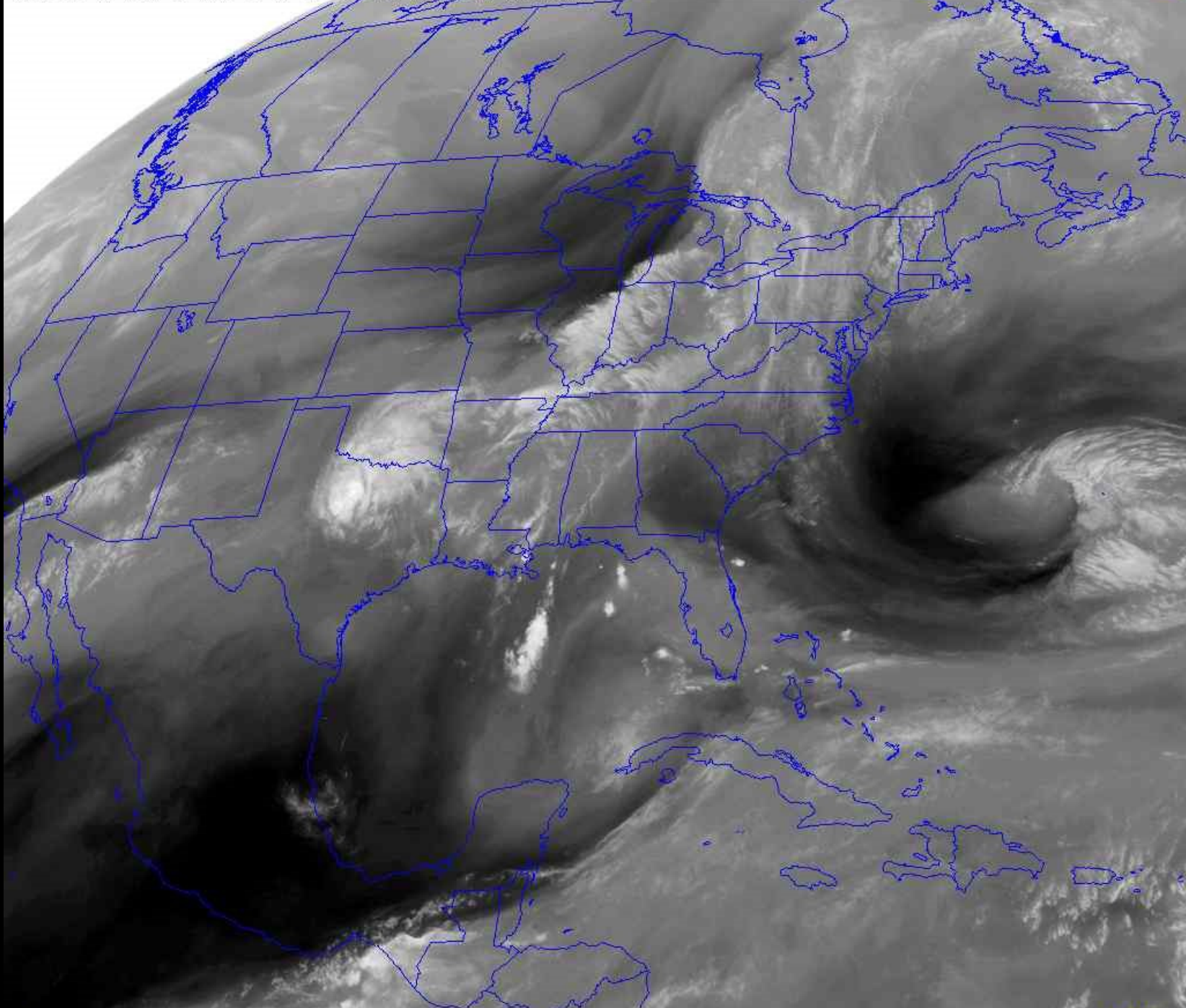


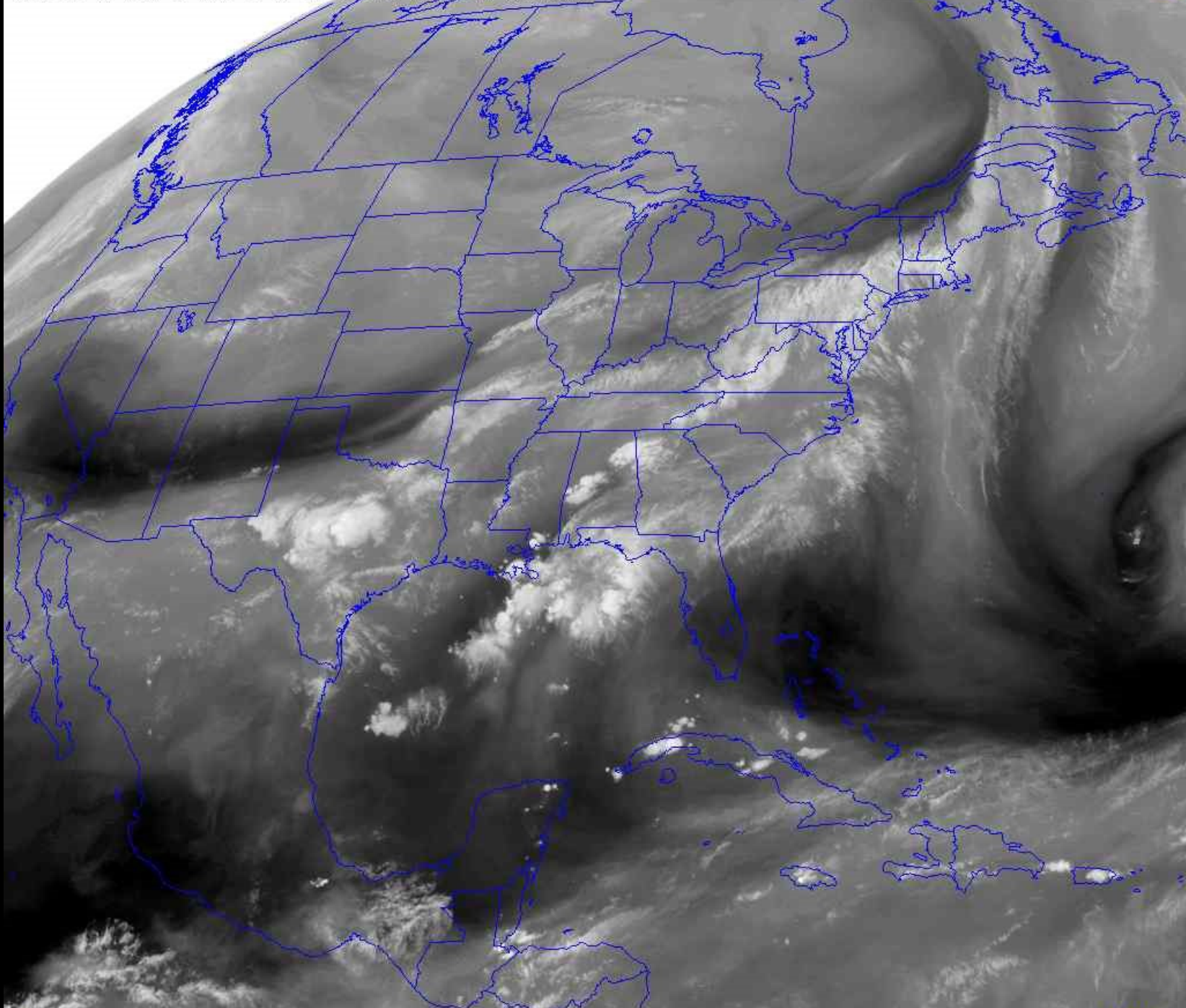


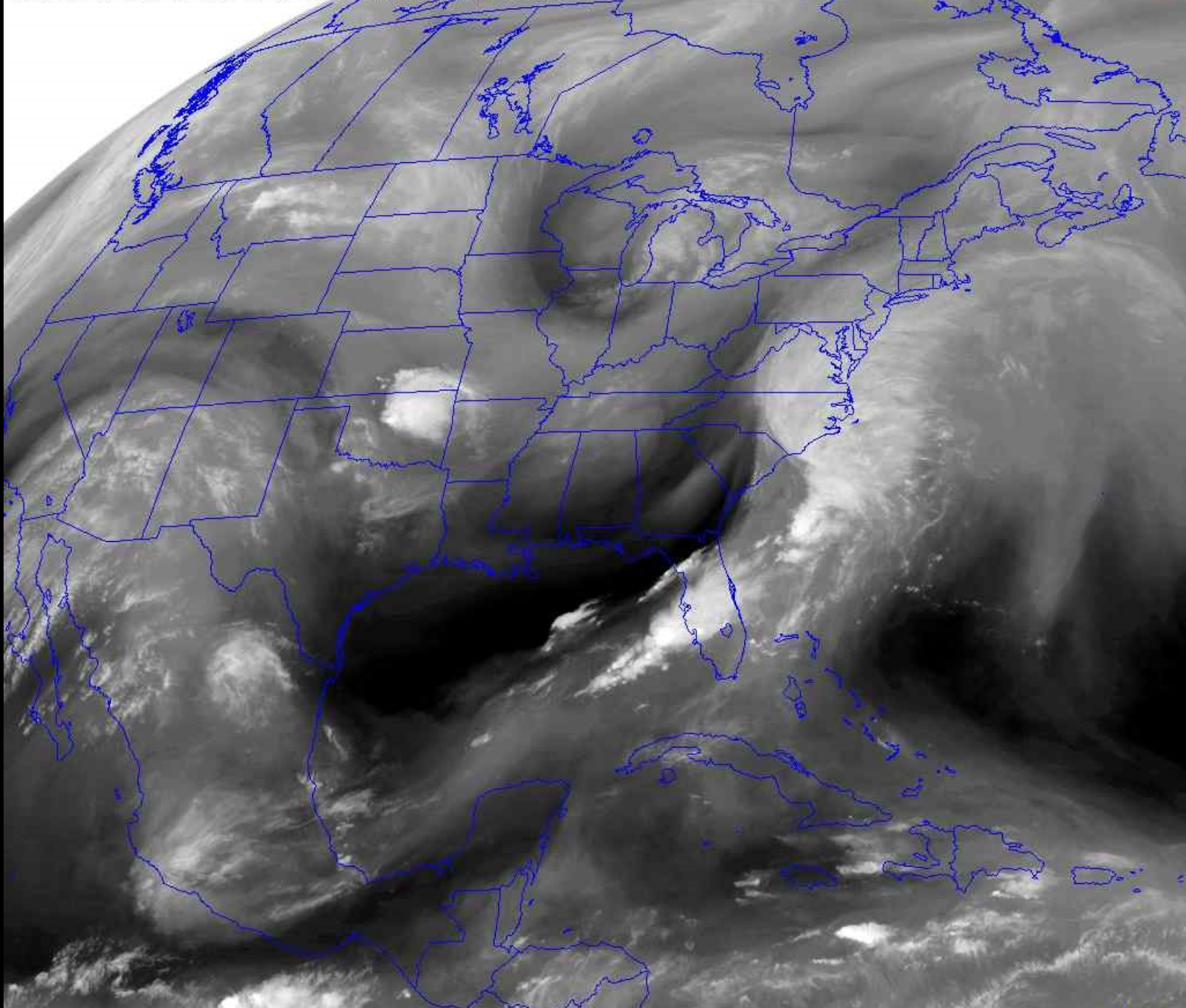


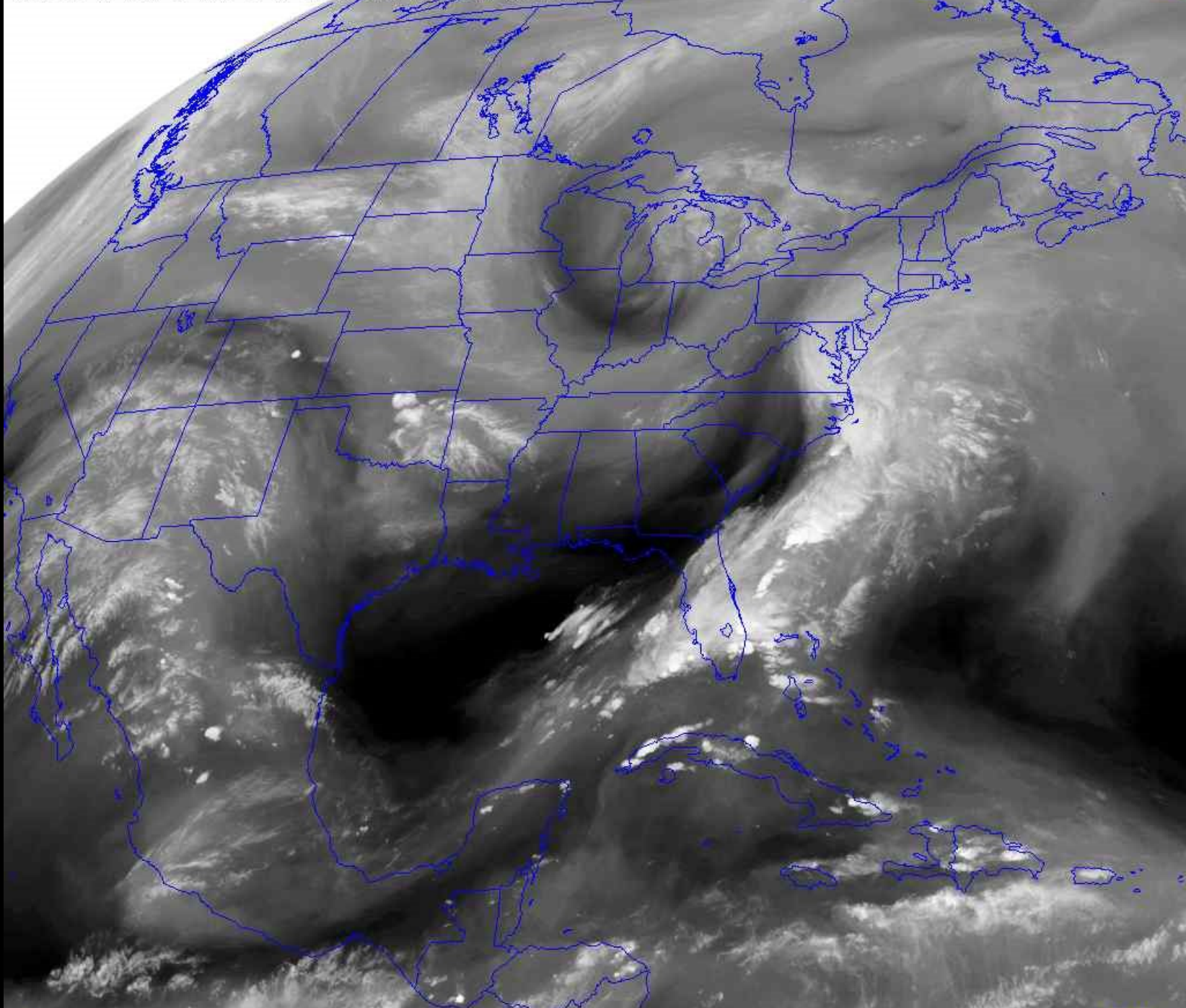


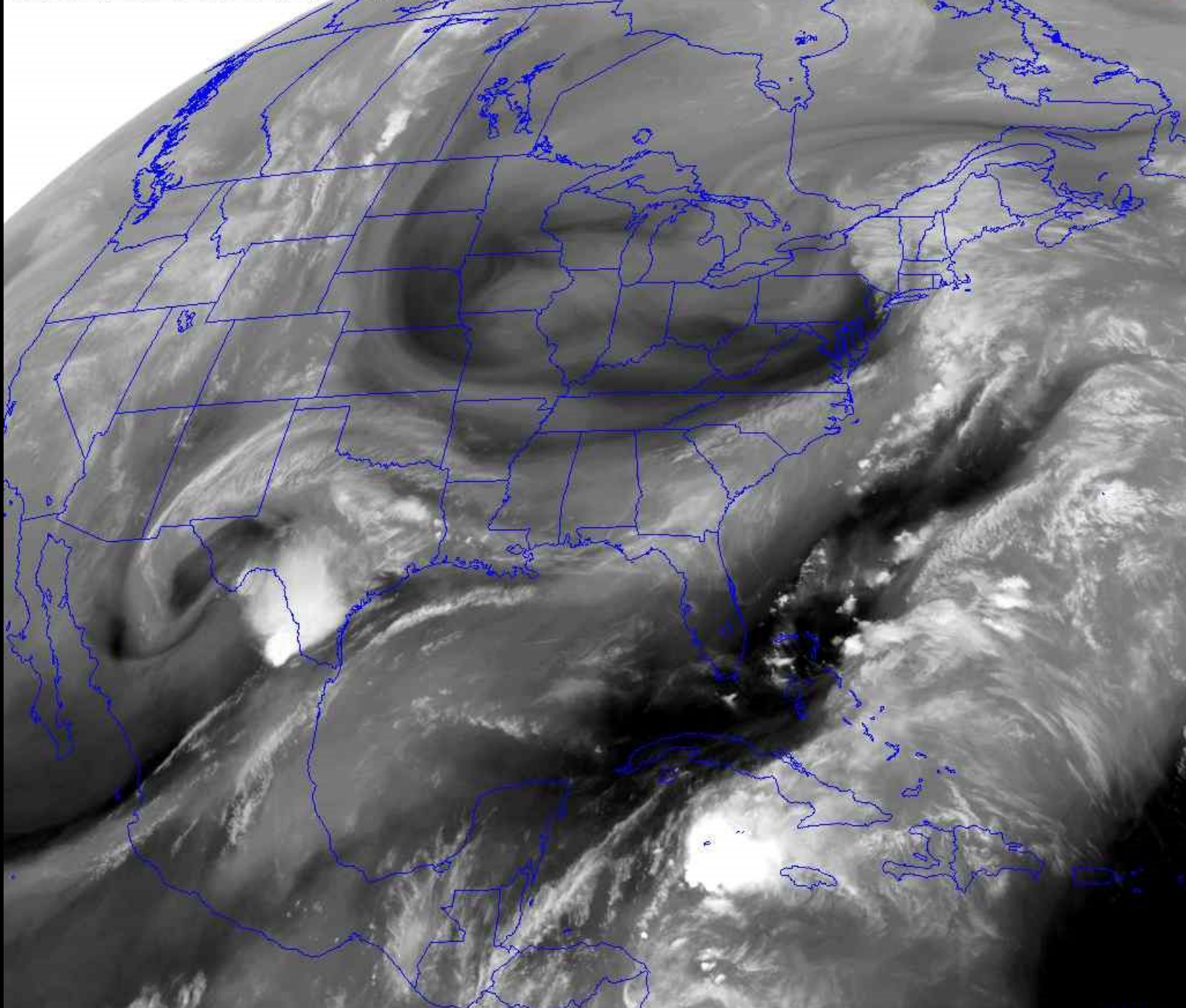


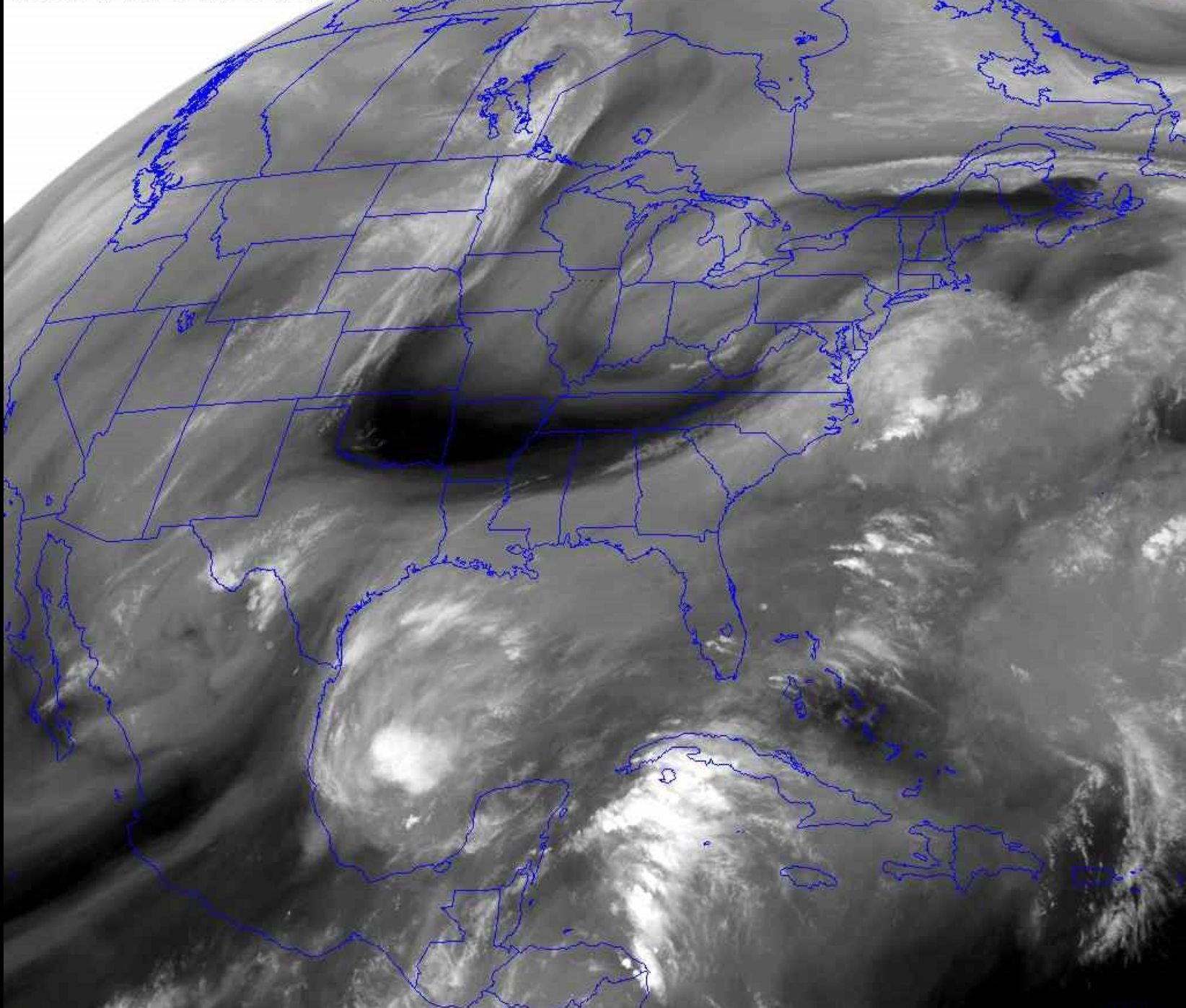


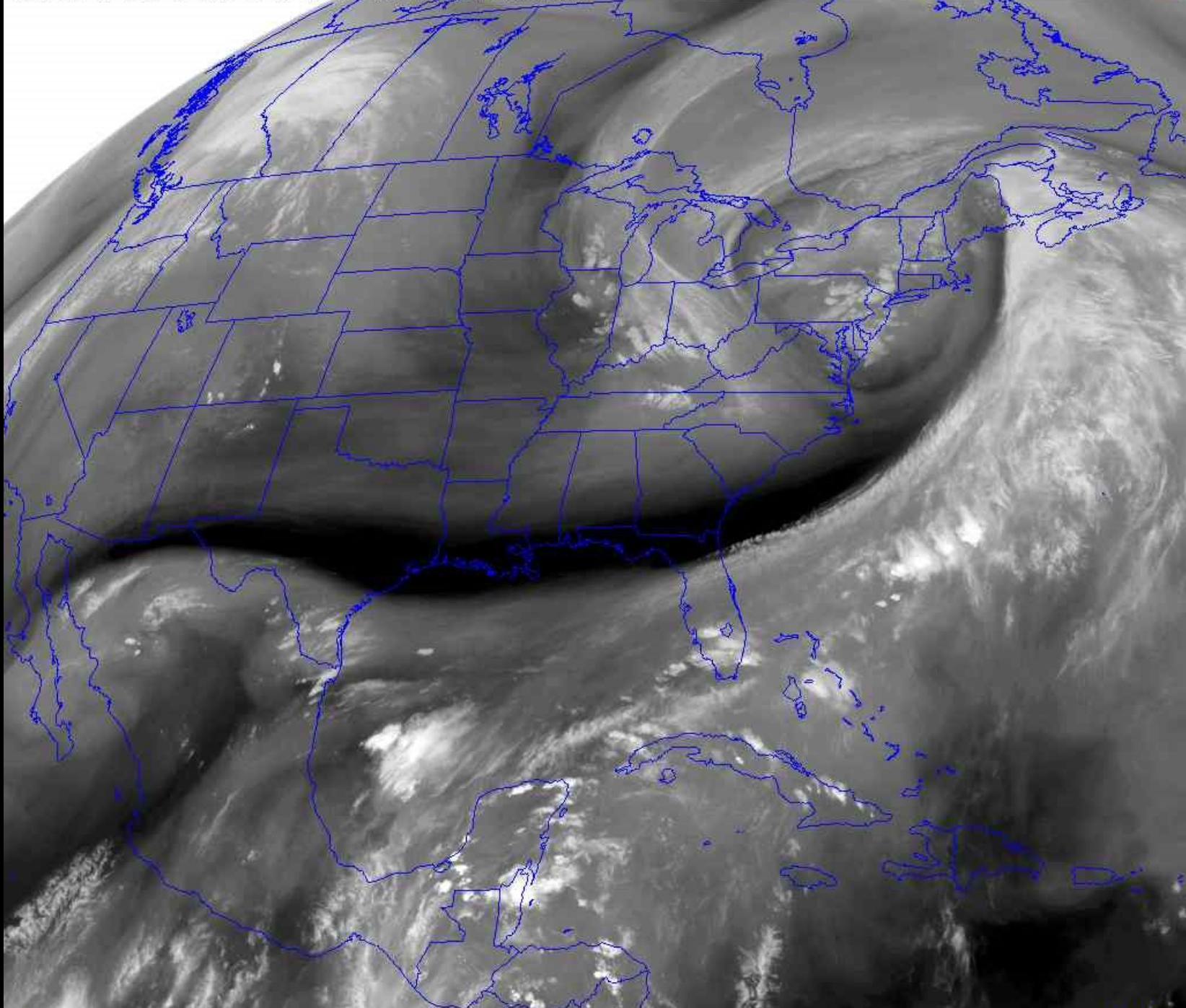


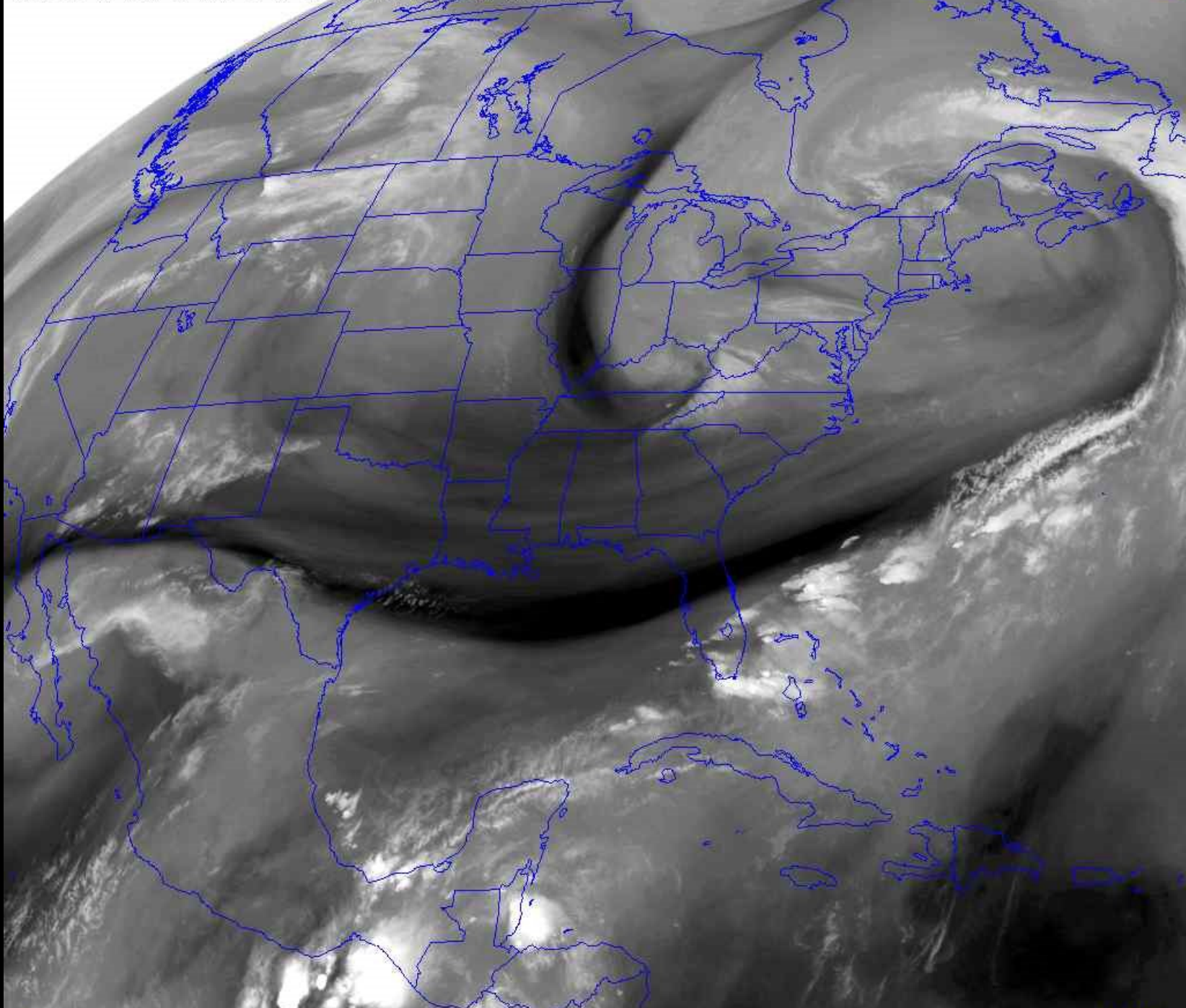


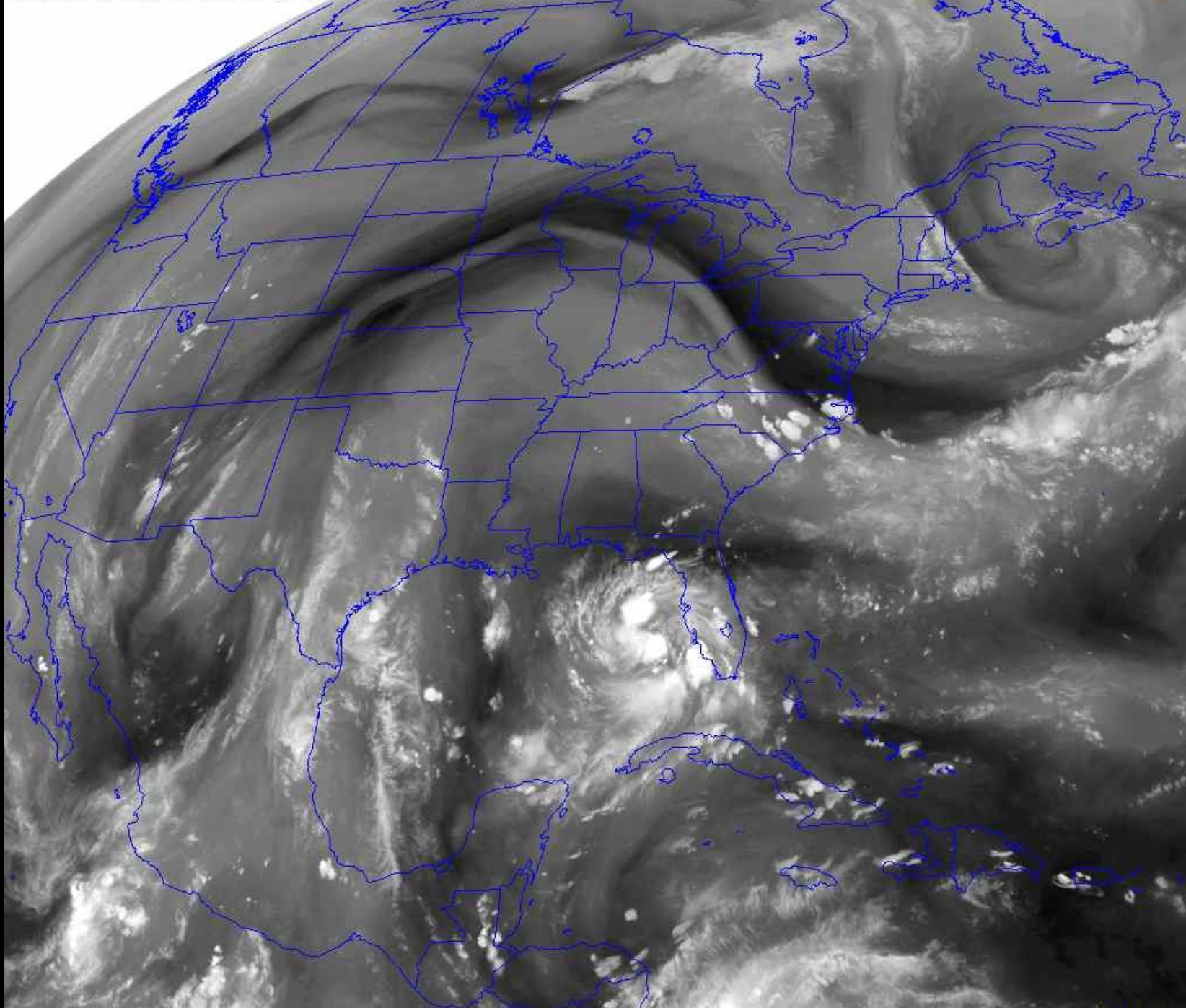


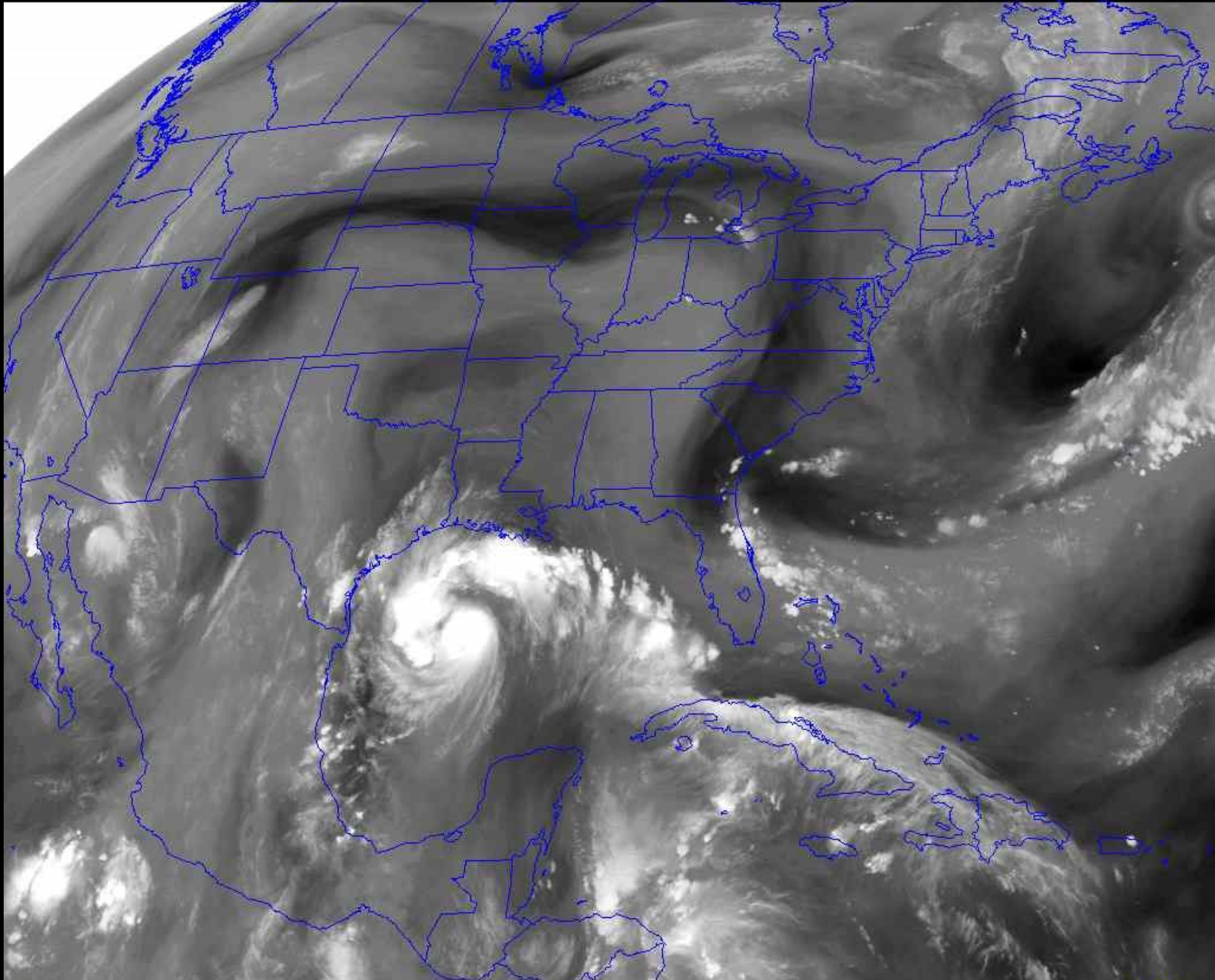












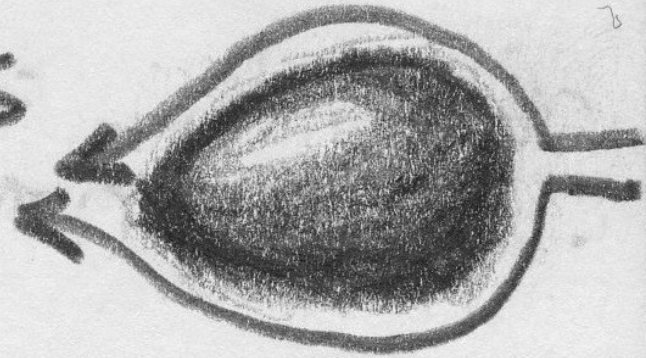
BRUNELLESCHI'S
EGG
1418



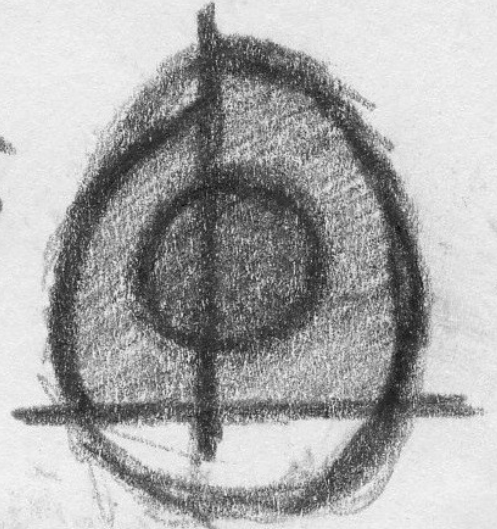
GAUDI'S
EGG
1898



CORBUSIER'S
EGG
1921



SCHLUEBER'S
UOVO
1997



















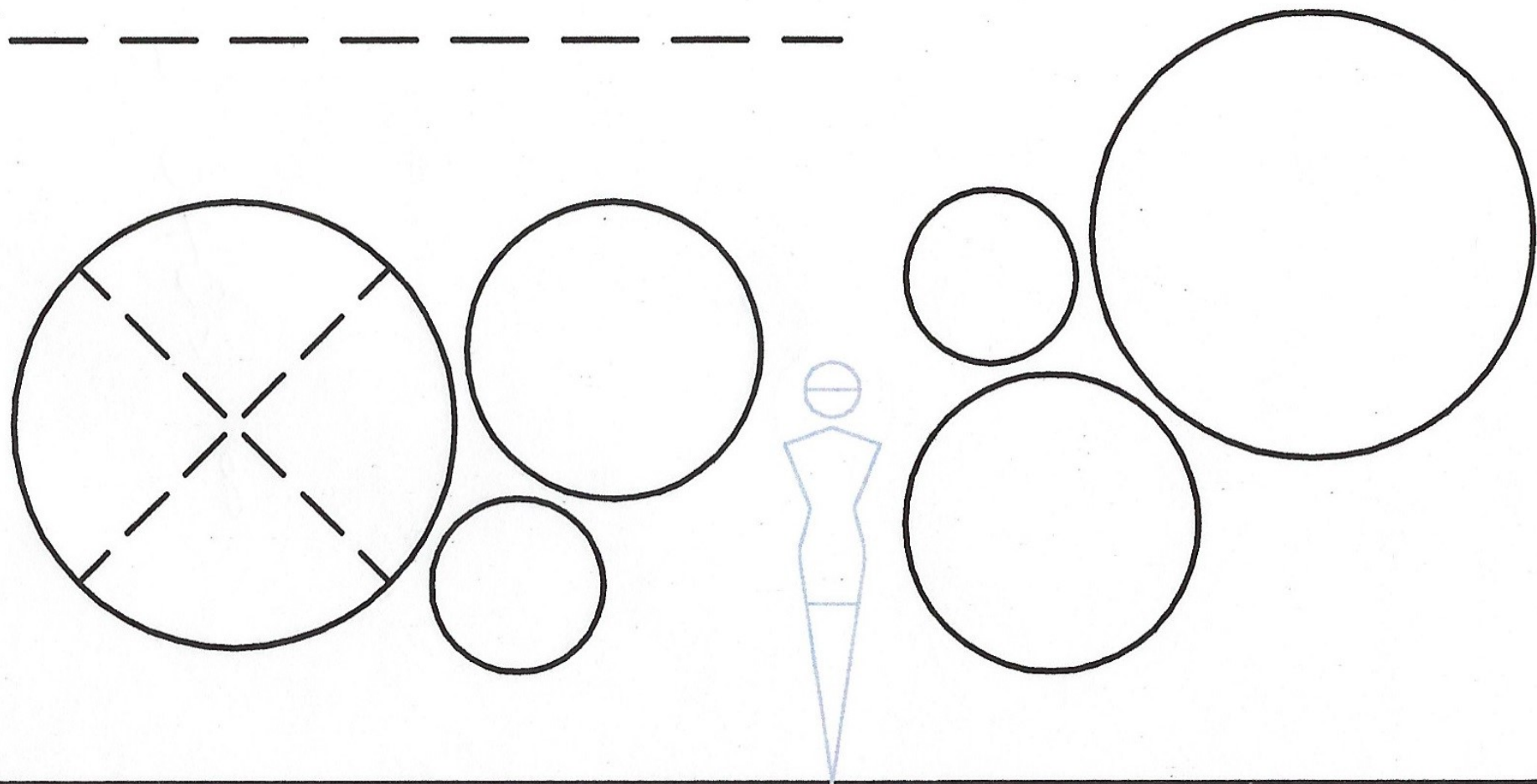












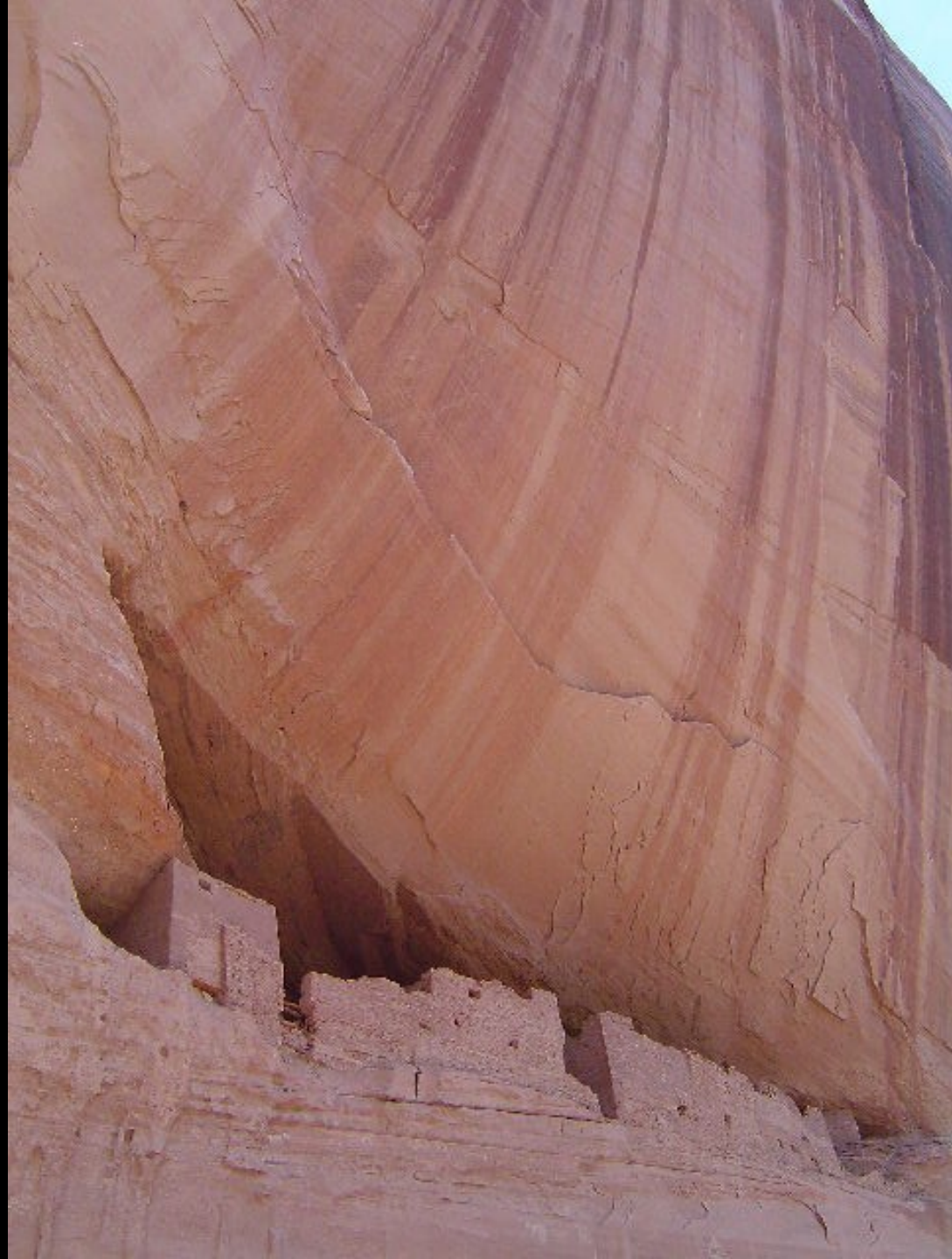
WINDOWS IN A GROUPING (MEDIA, BEDROOM)

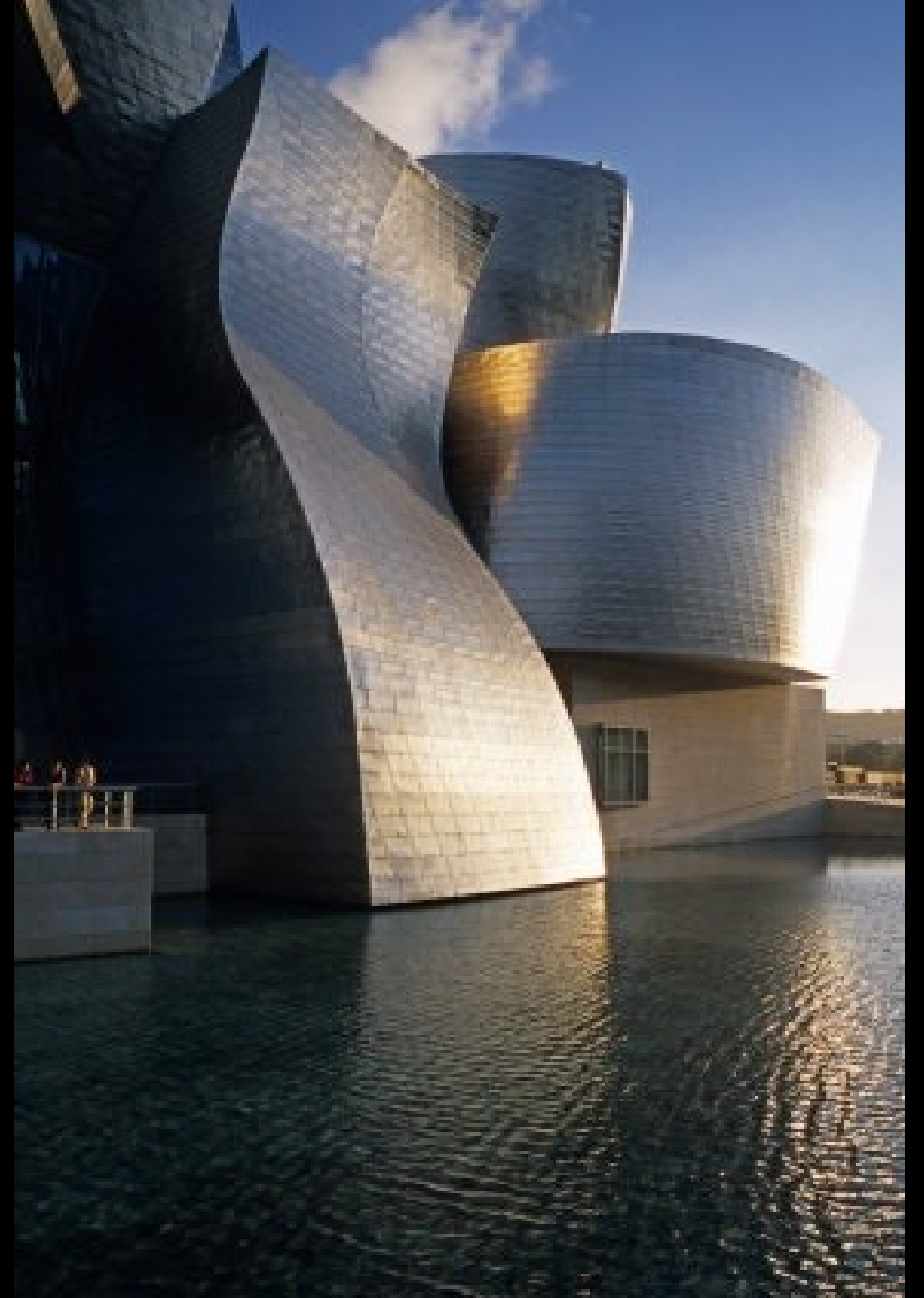
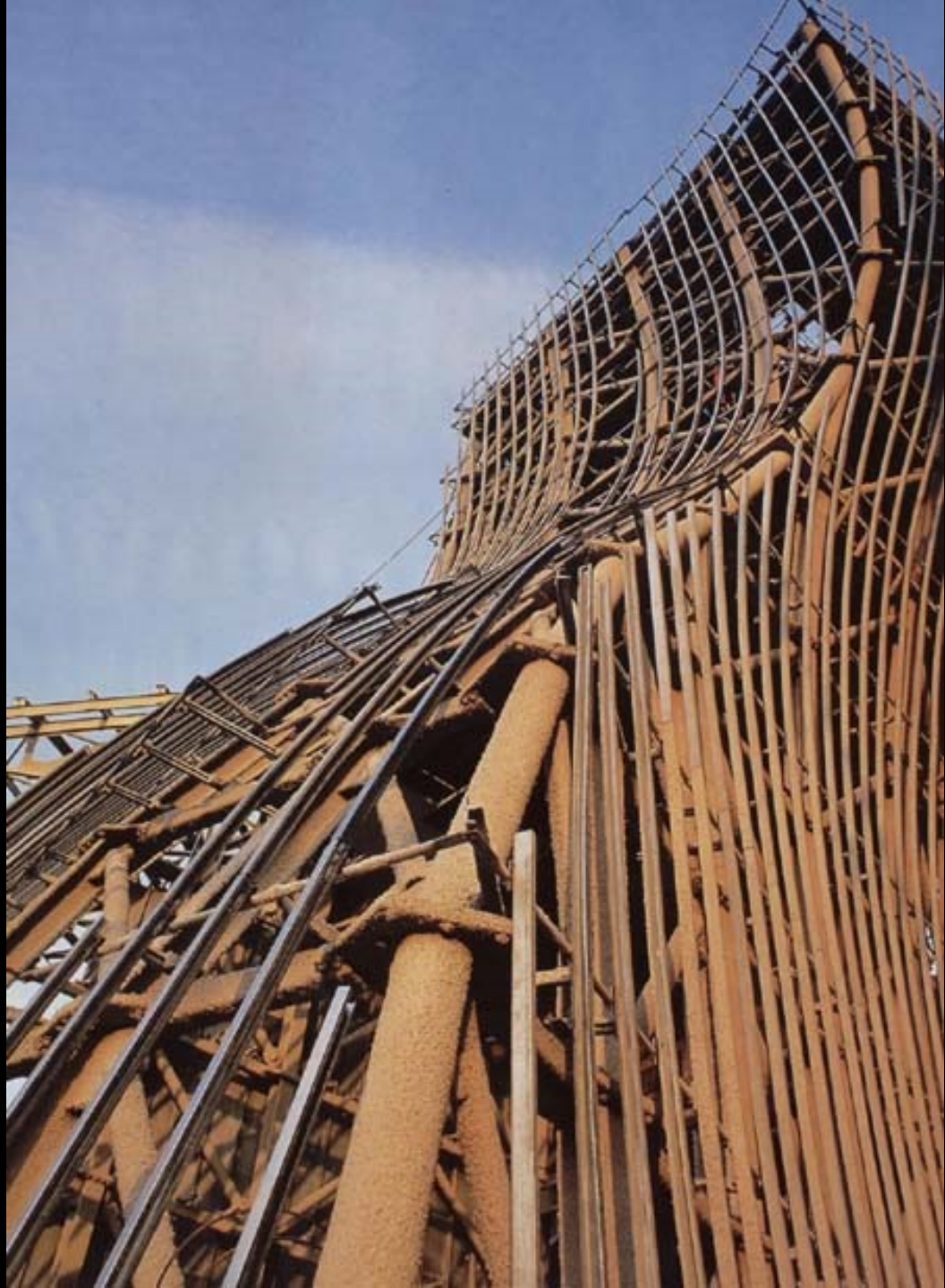




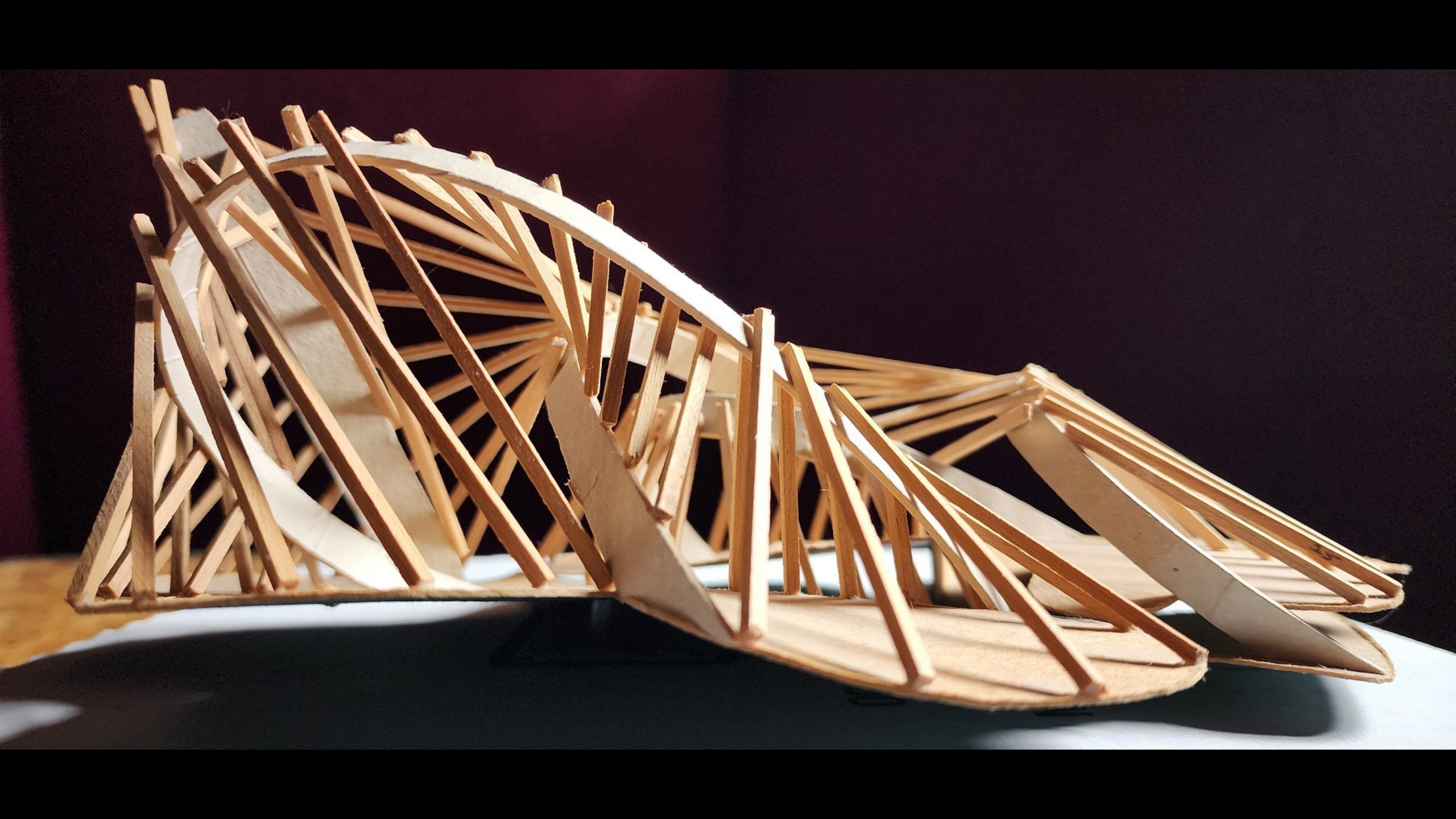






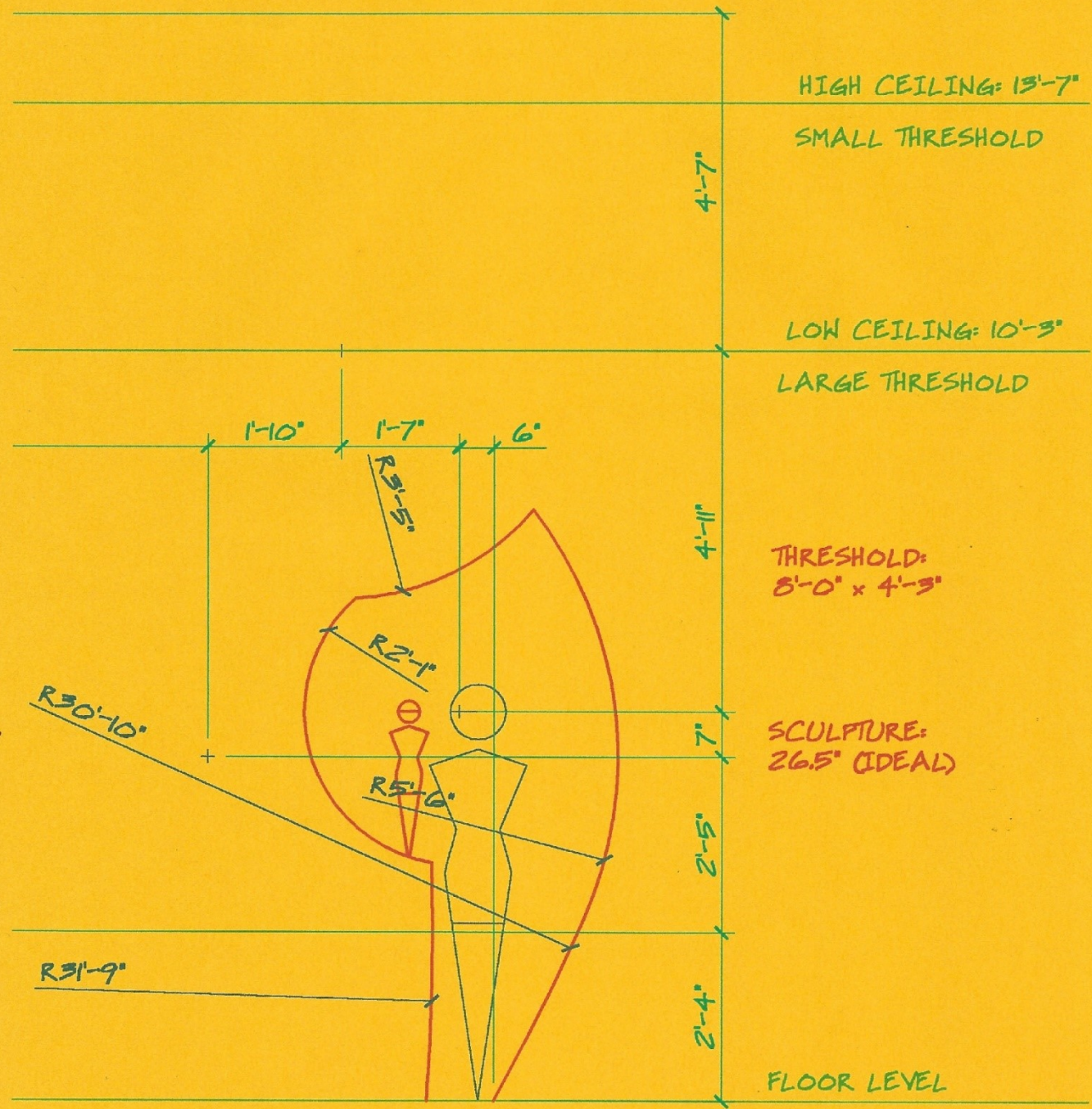












HIGH CEILING: 13'-7"

SMALL THRESHOLD

4'-7"

LOW CEILING: 10'-3"

LARGE THRESHOLD

4'-11"

THRESHOLD:
8'-0" x 4'-3"

SCULPTURE:
26.5° (IDEAL)

7"

2'-5"

2'-4"

FLOOR LEVEL

SCALE: 1/2" = 1'-0"

1'-10" 1'-7" 6"

R30'-10"

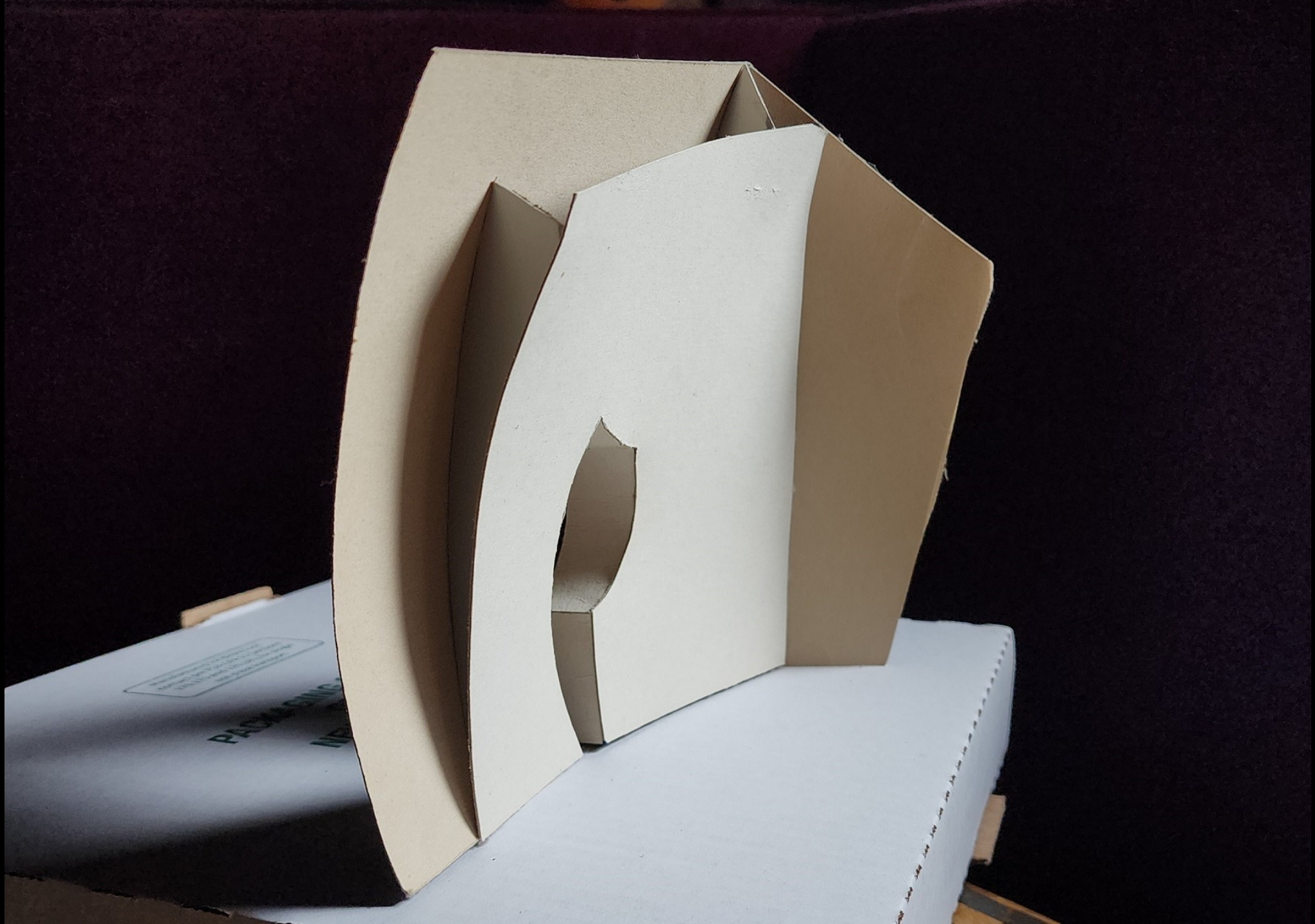
R5'-5"

R2'-1"

R5'-6"

R31'-9"











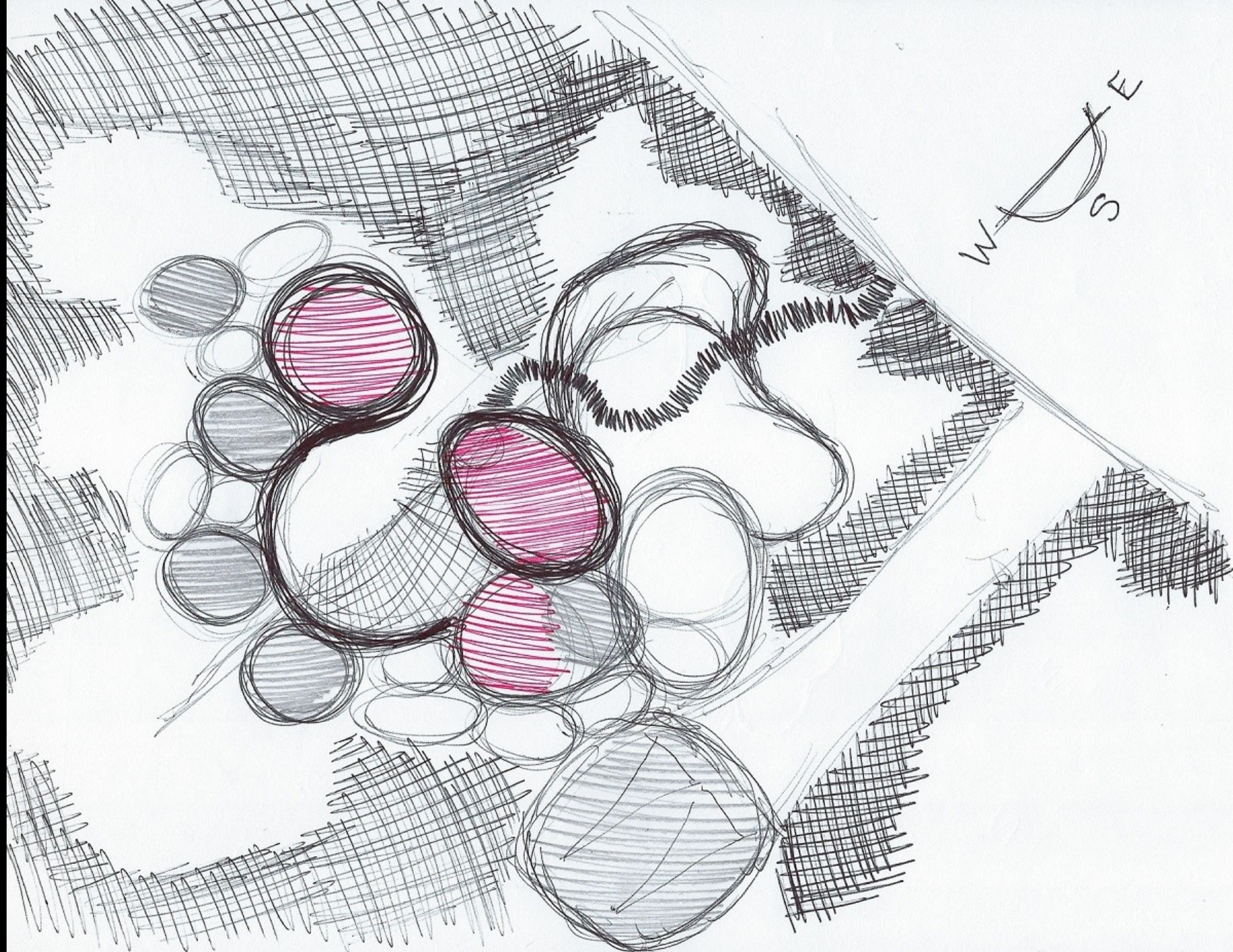
























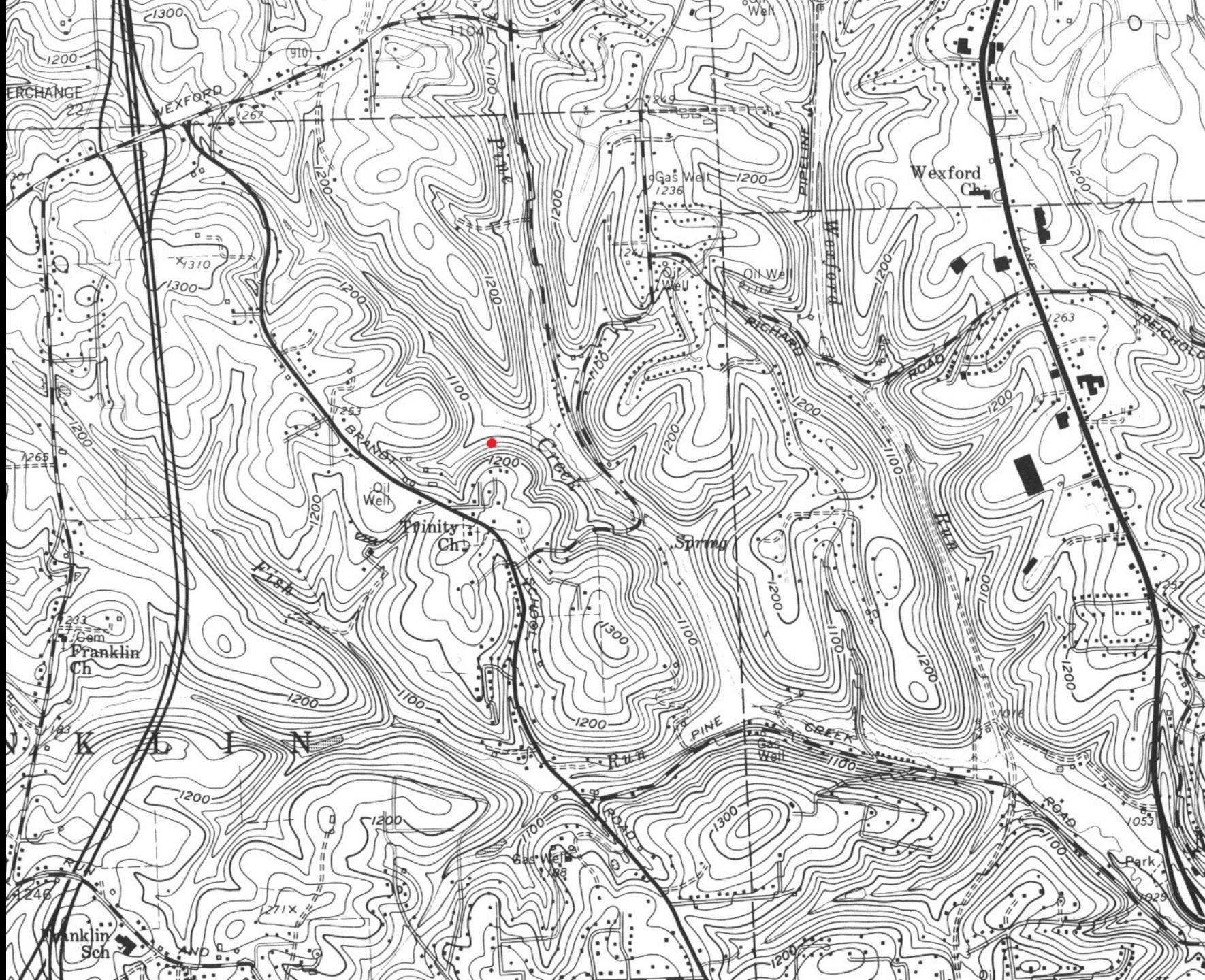


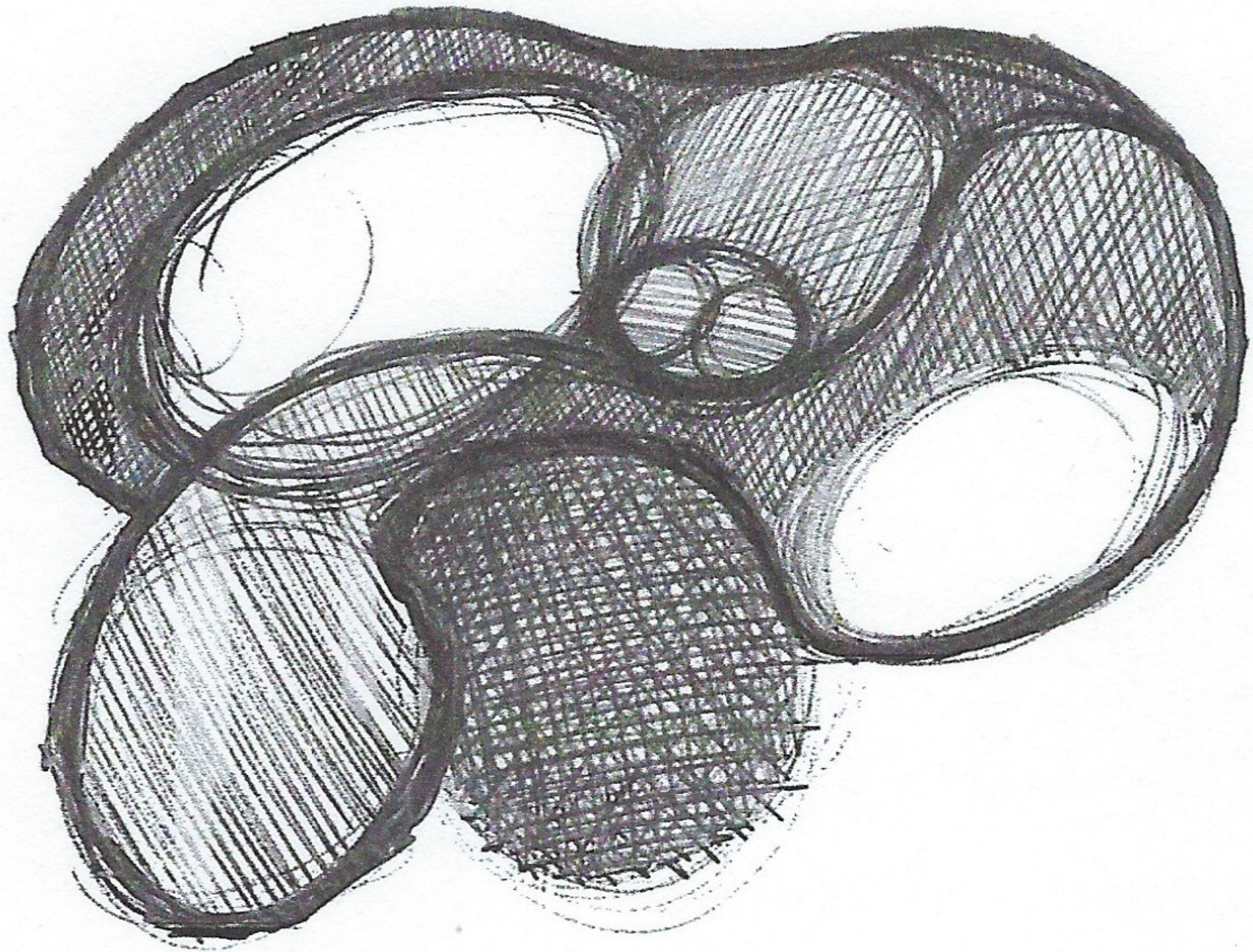


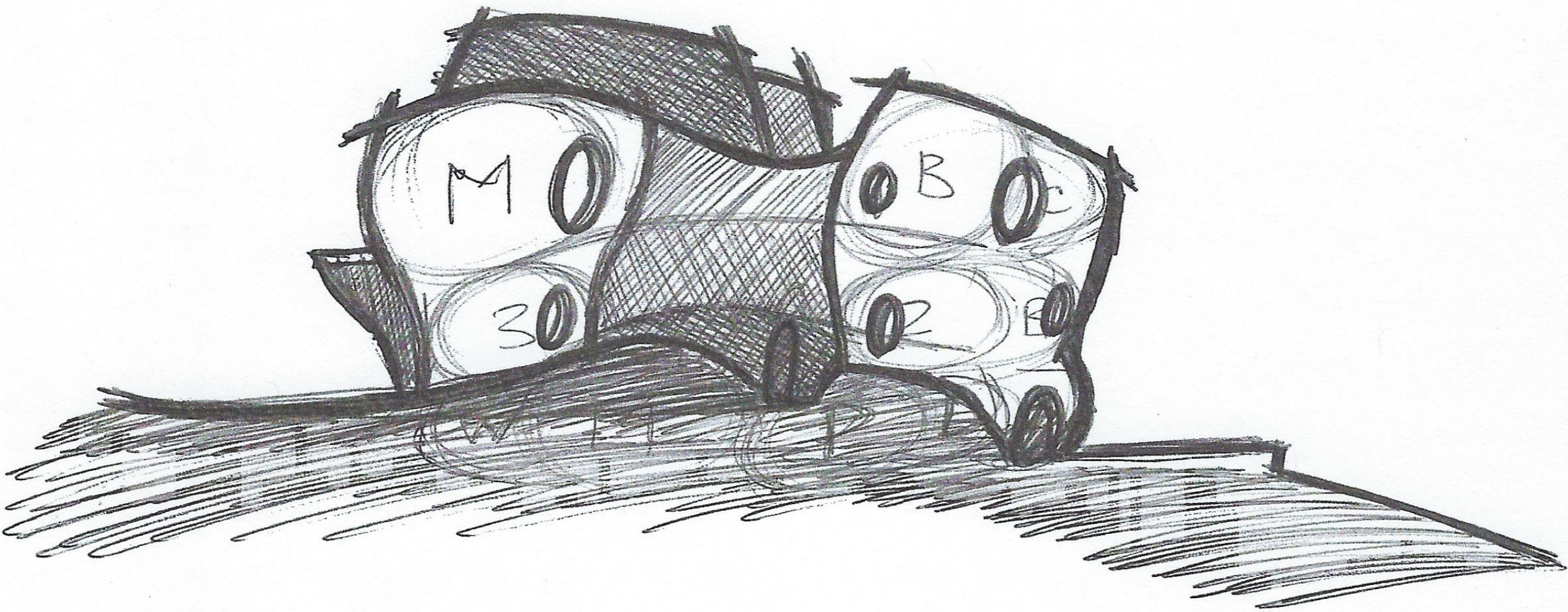


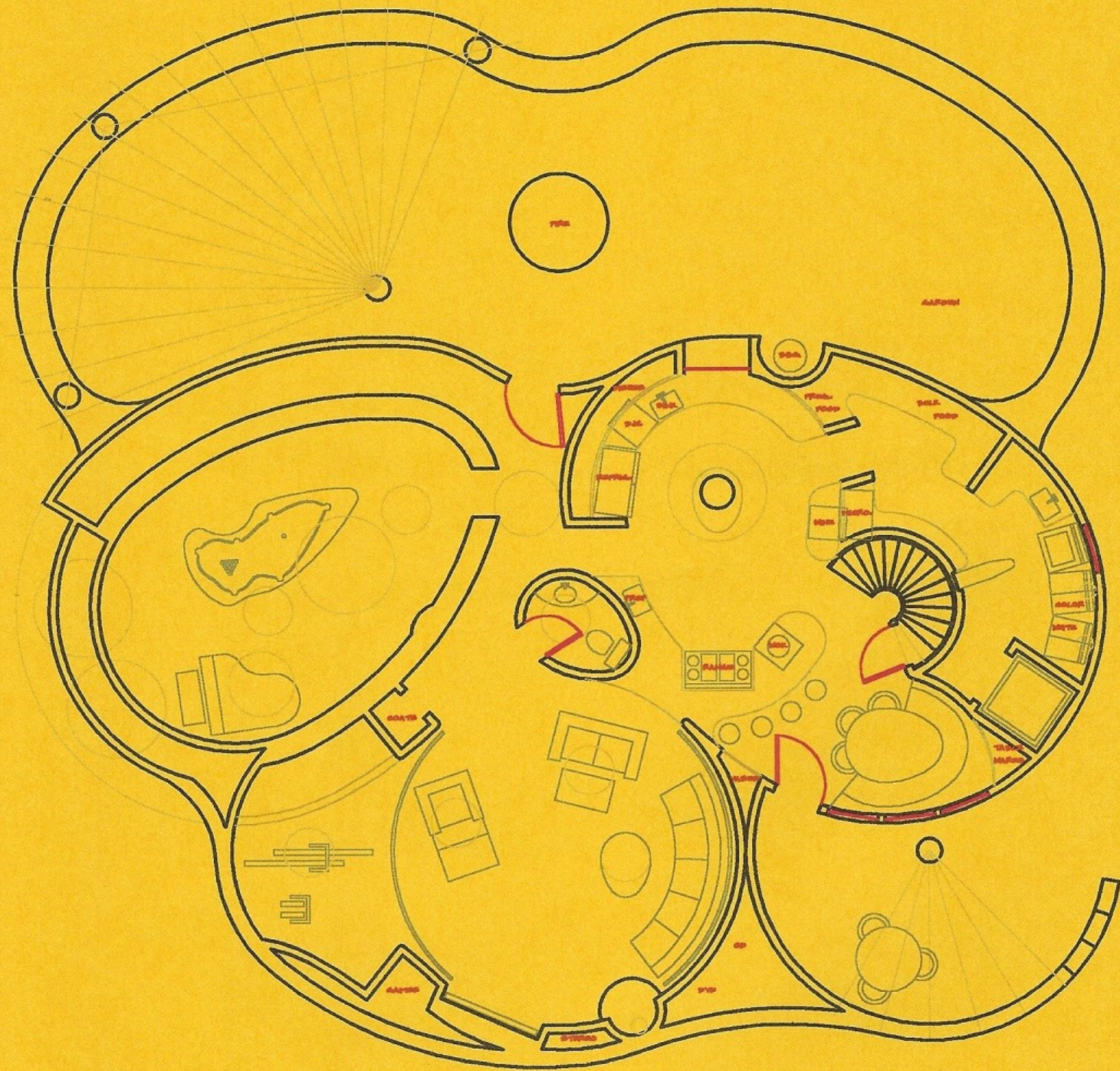


















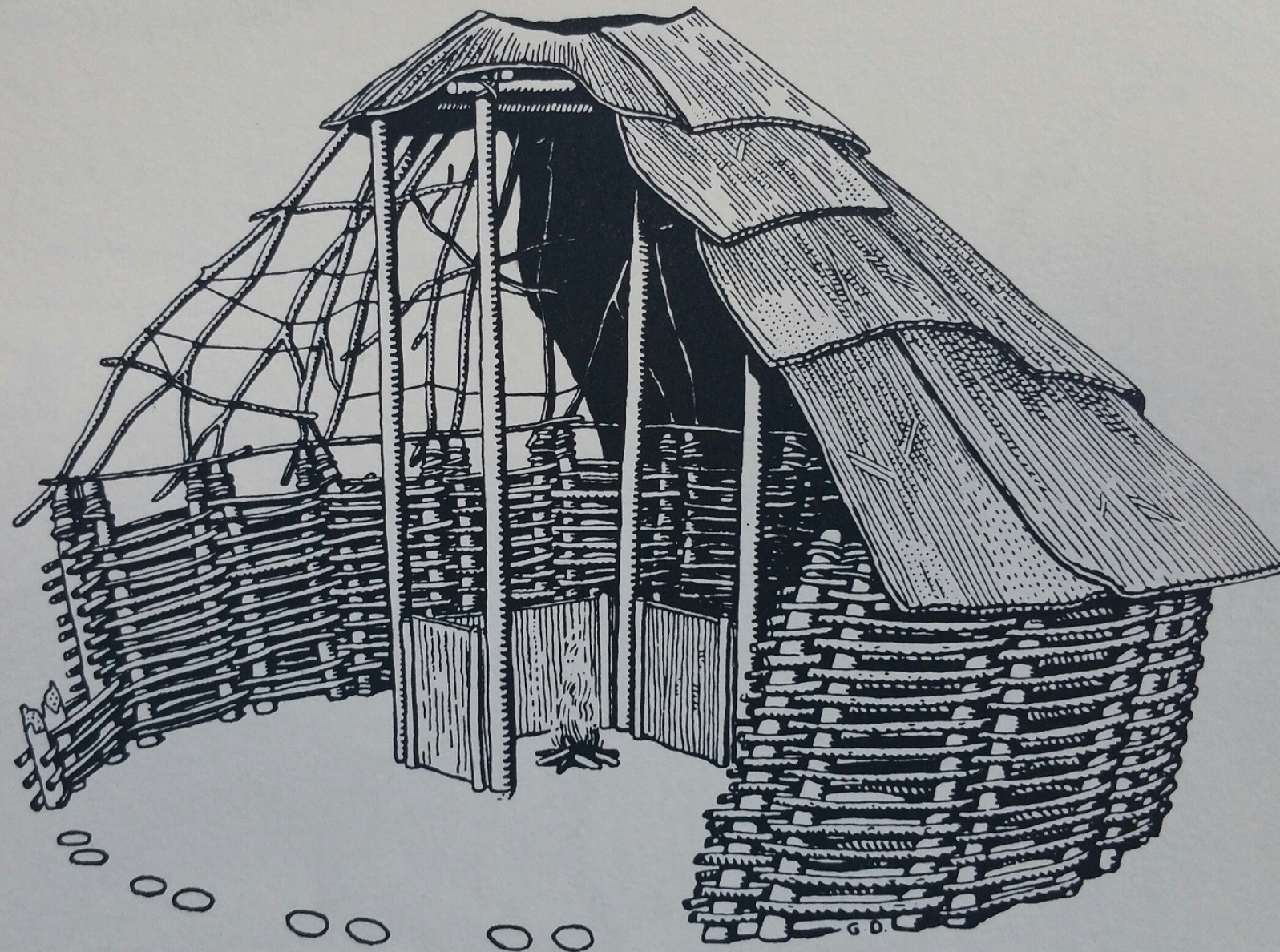


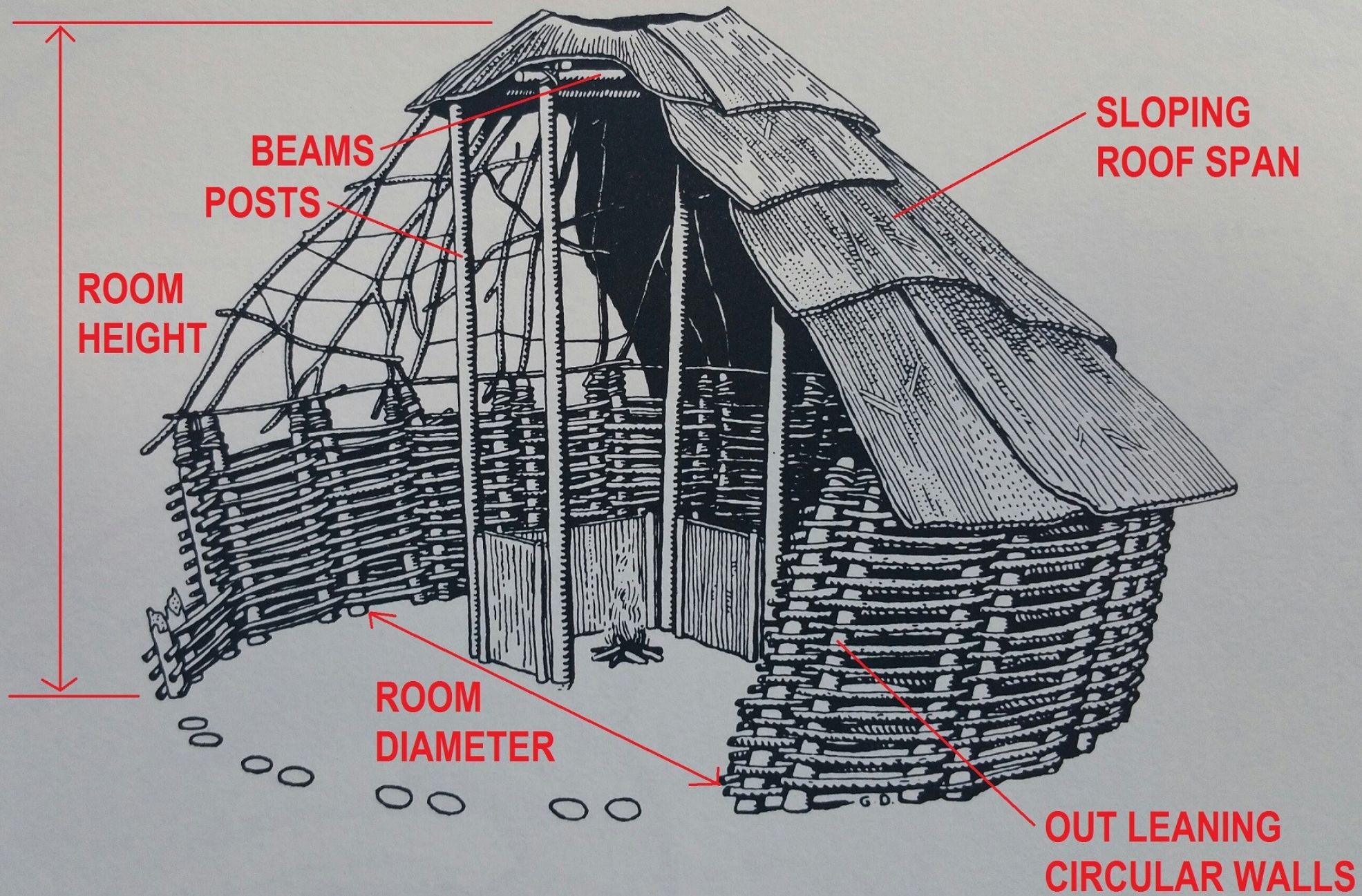




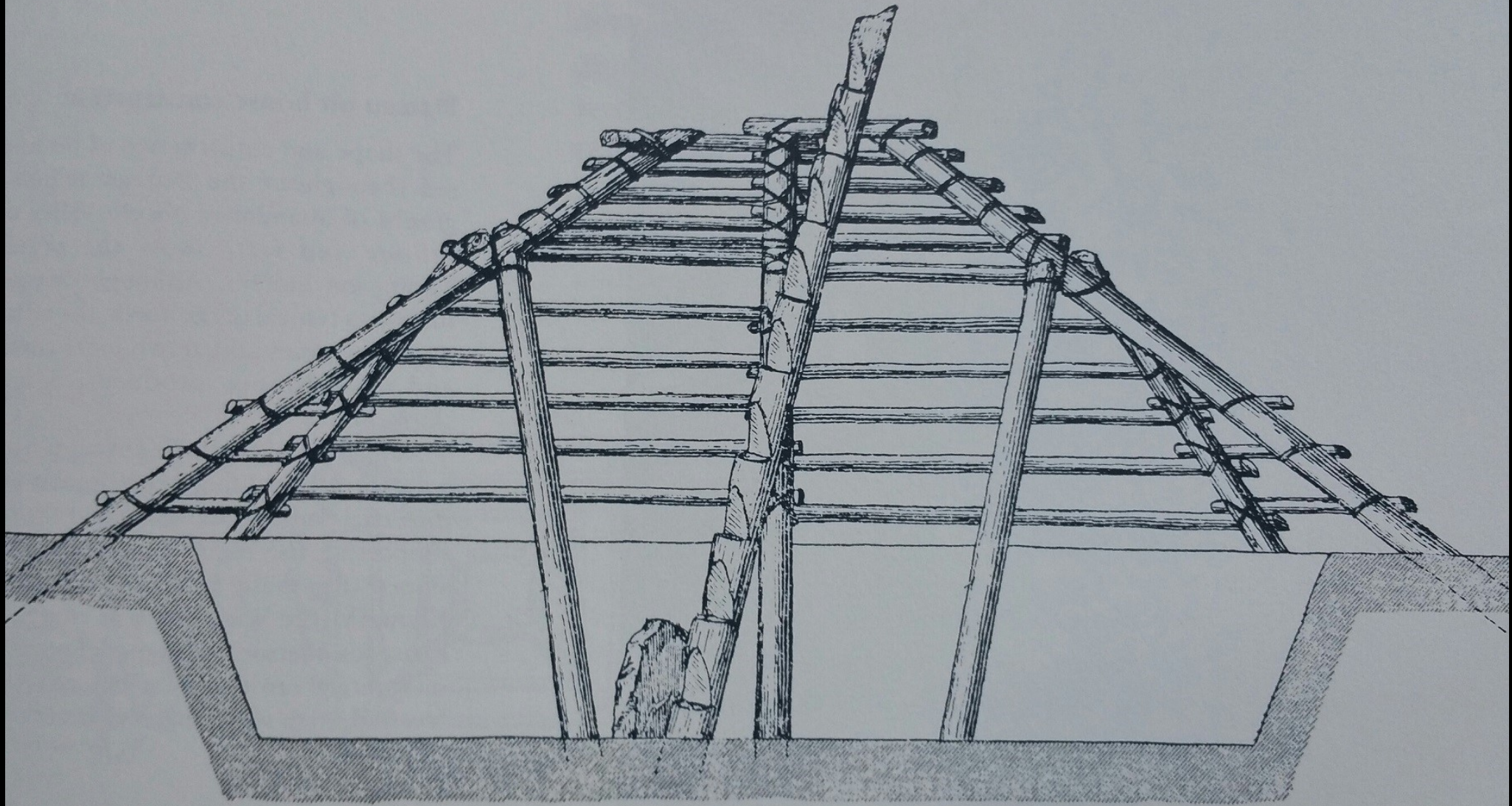


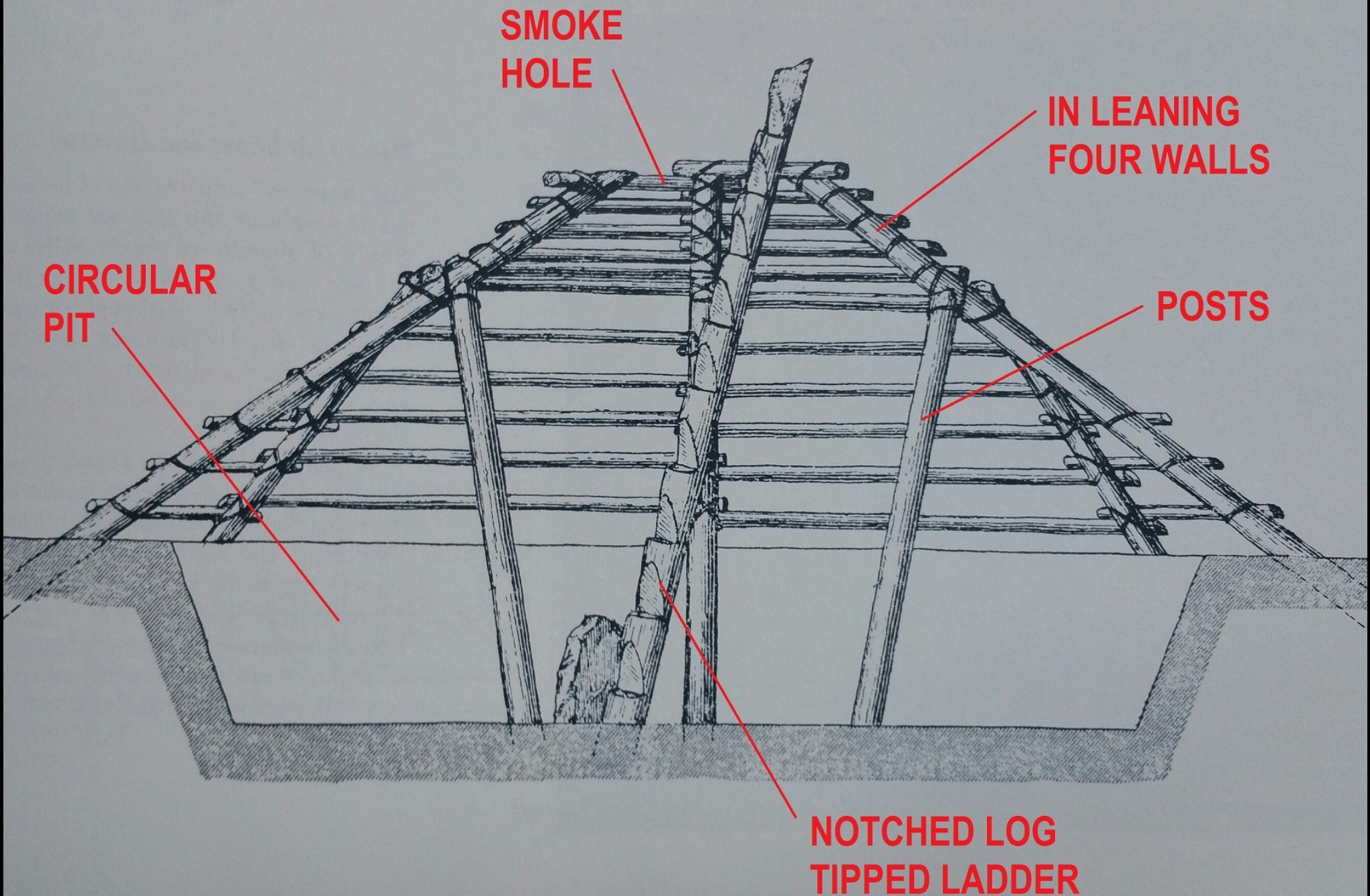












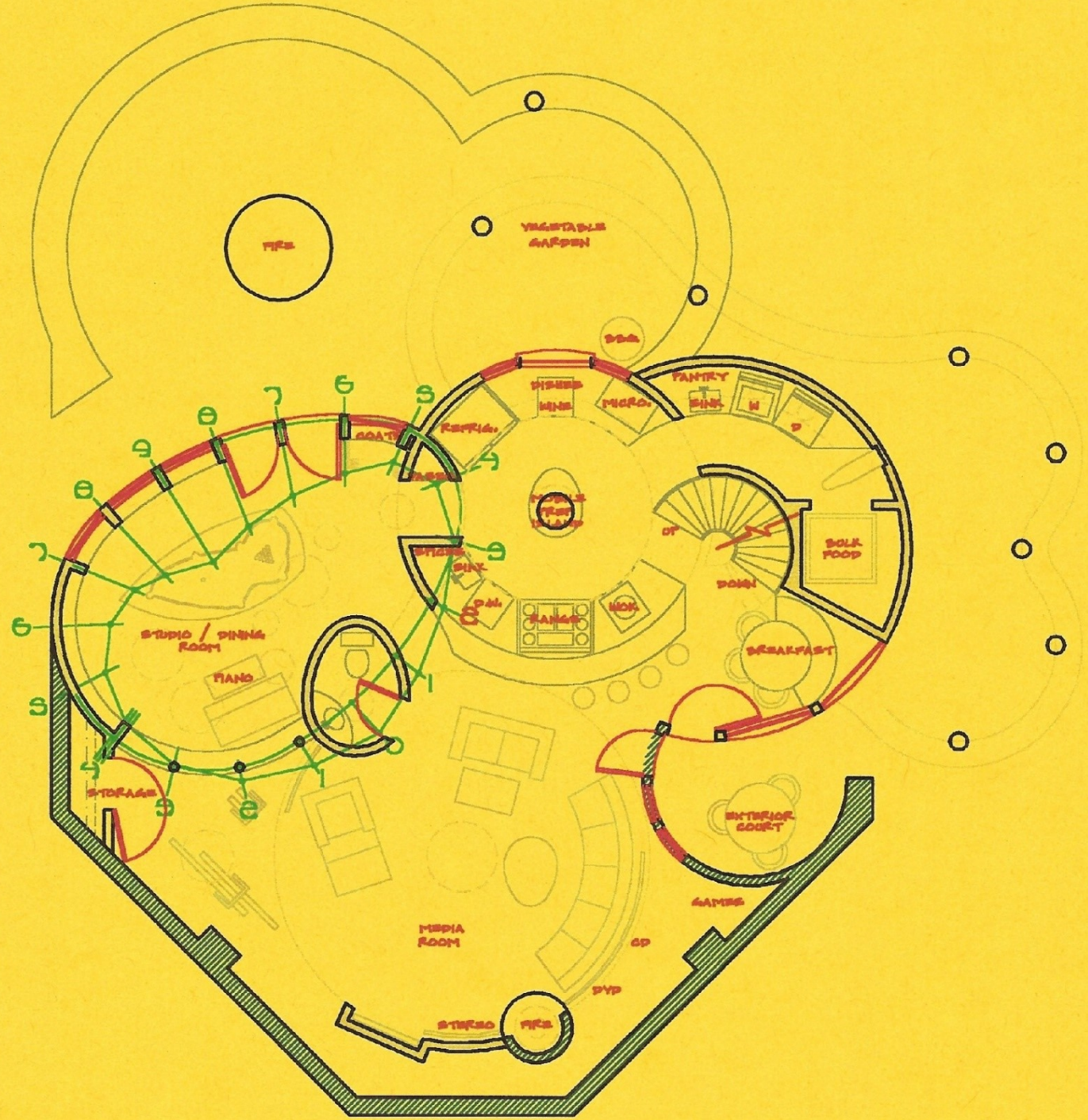
**SMOKE
HOLE**

**IN LEANING
FOUR WALLS**

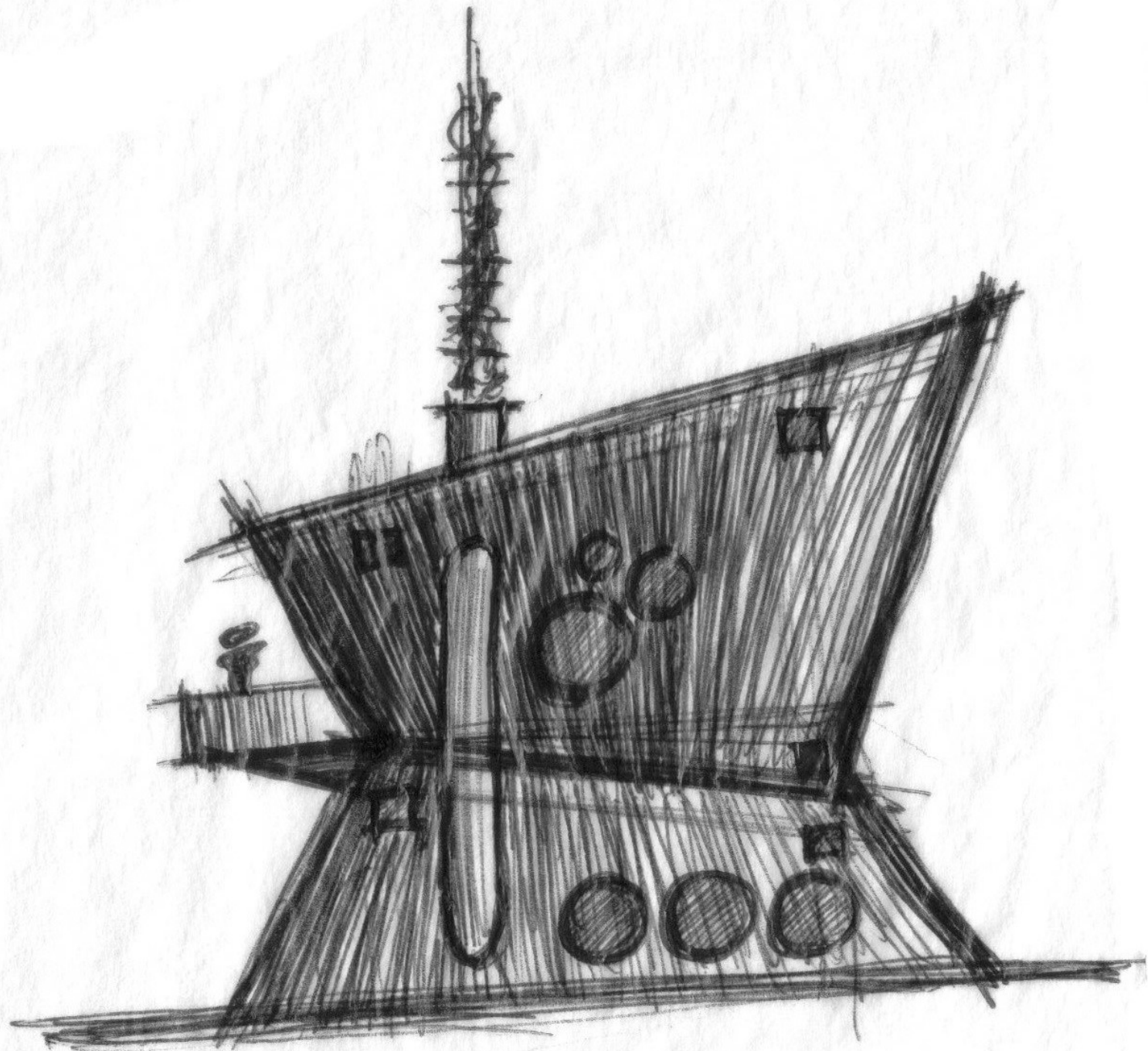
**CIRCULAR
PIT**

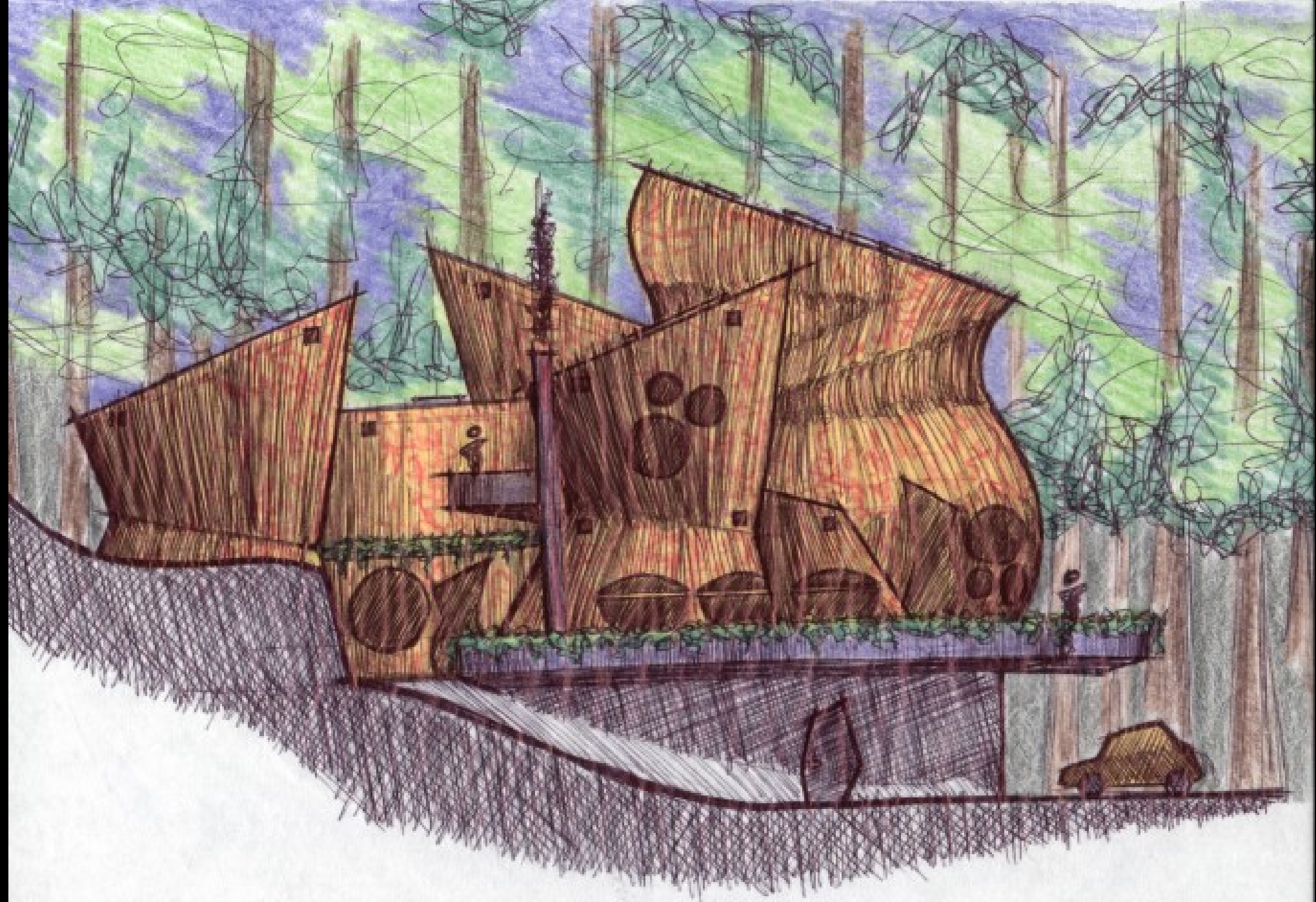
POSTS

**NOTCHED LOG
TIPPED LADDER**

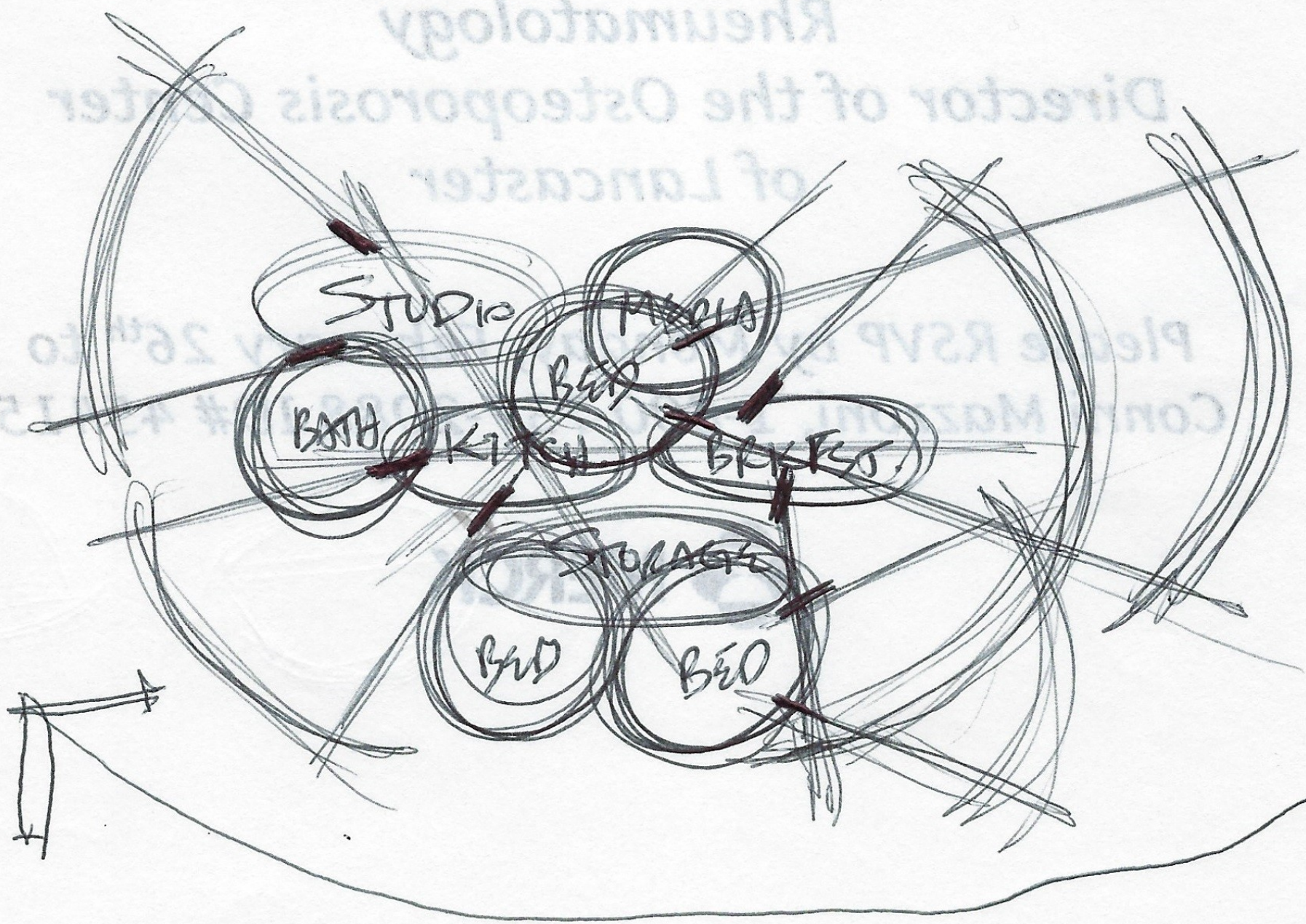
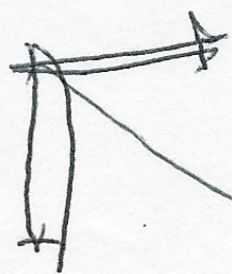




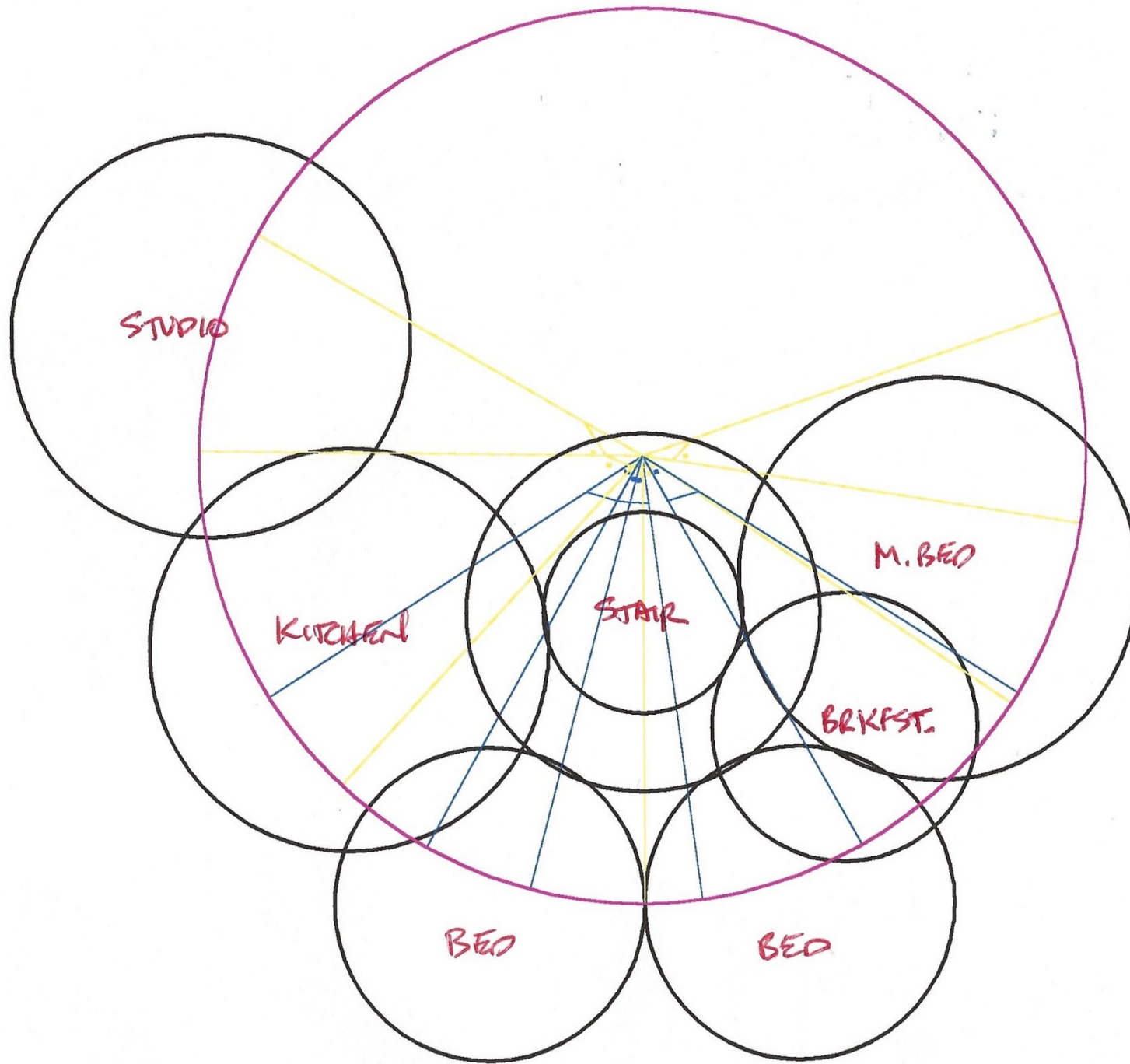


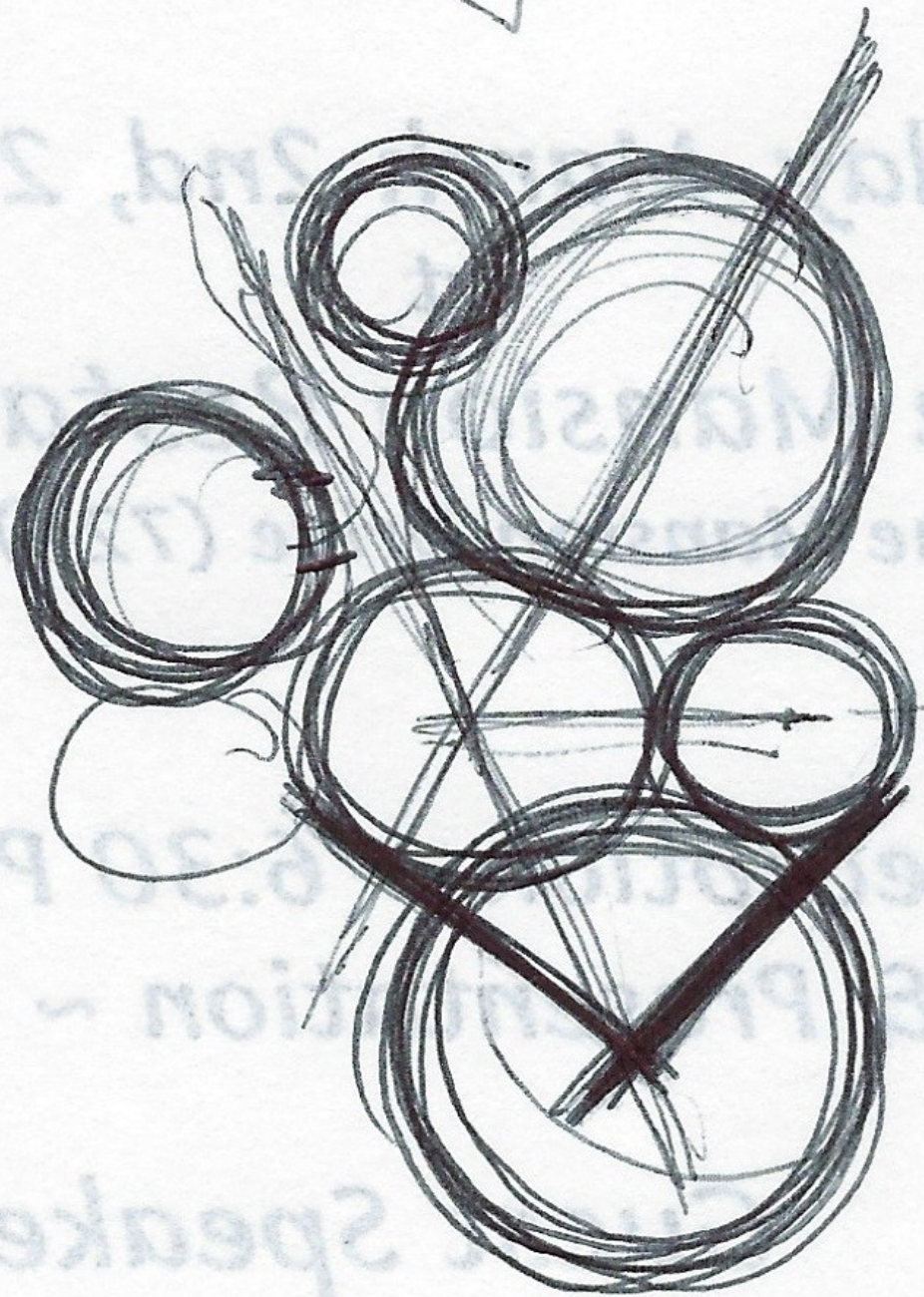


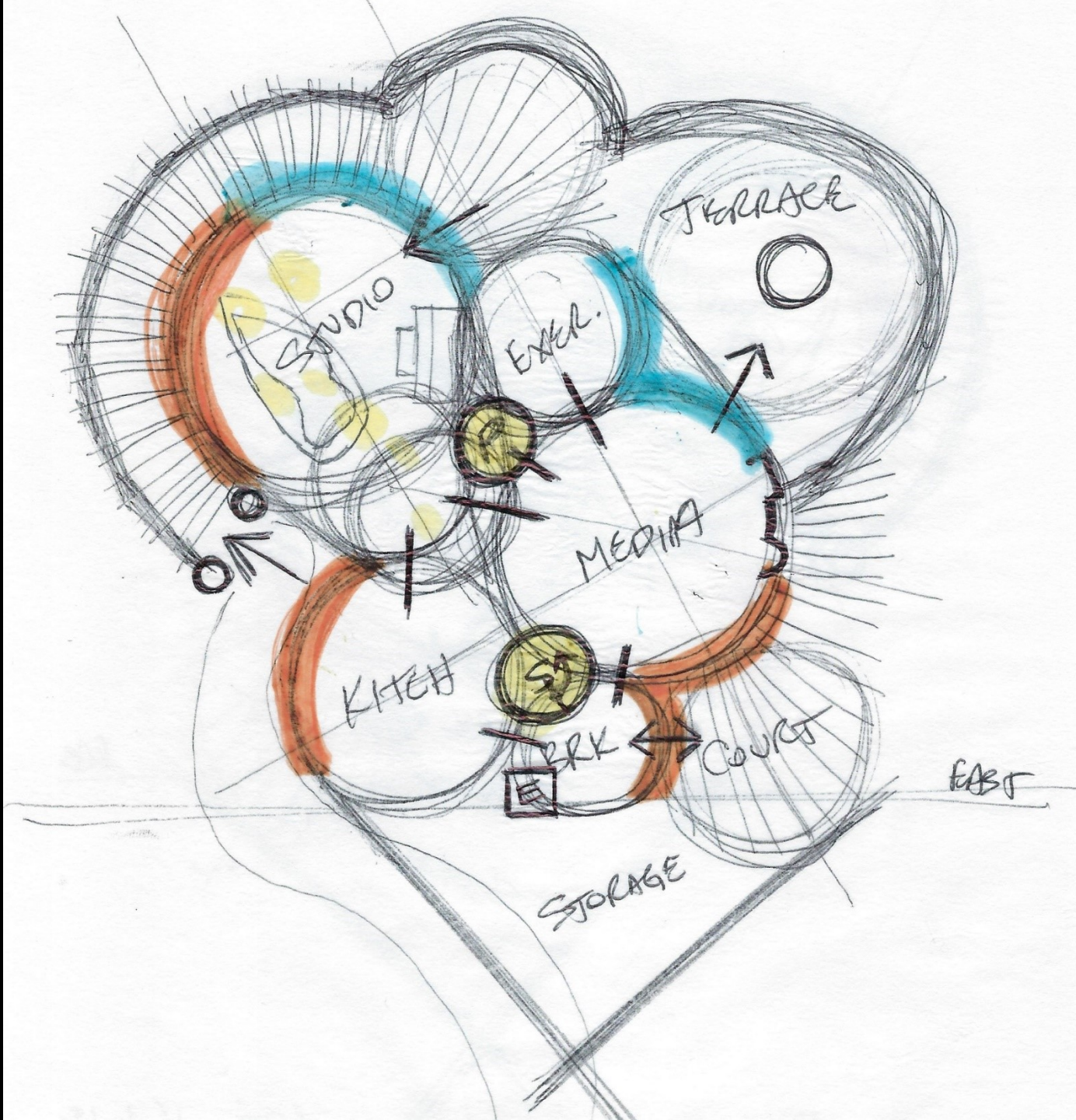
WEST



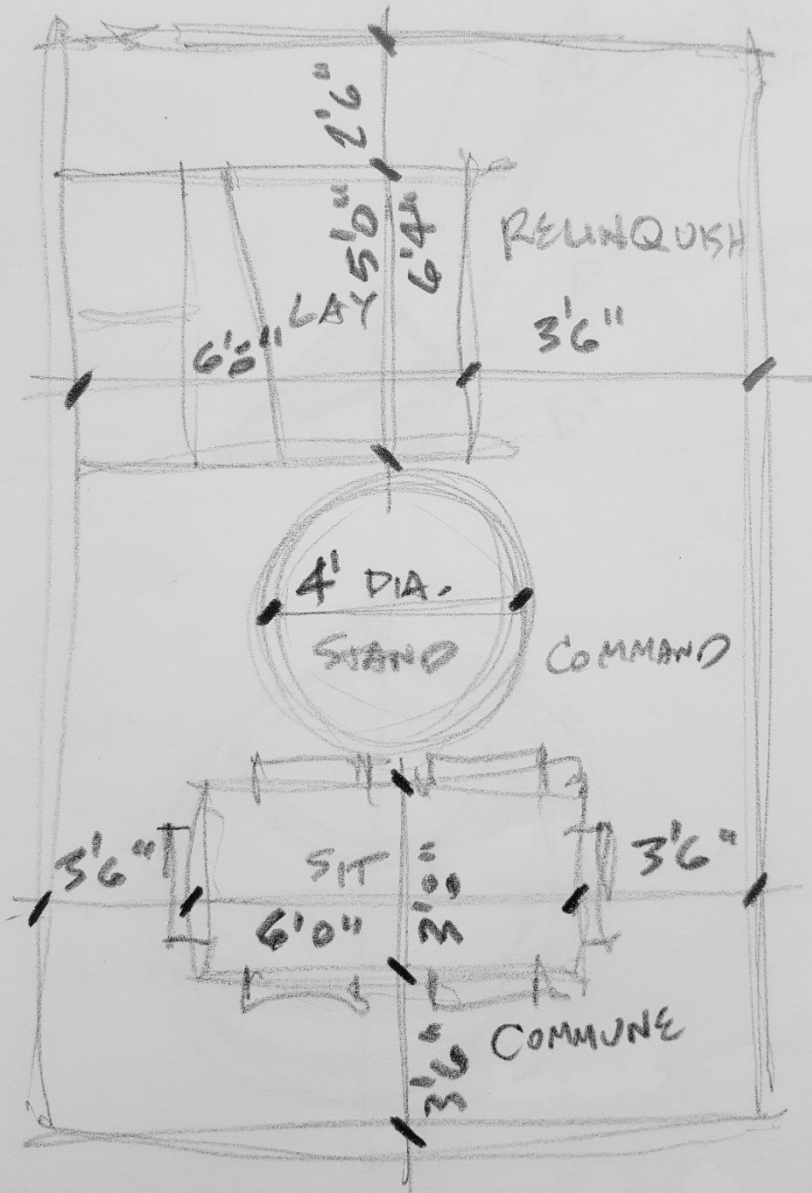
EAST



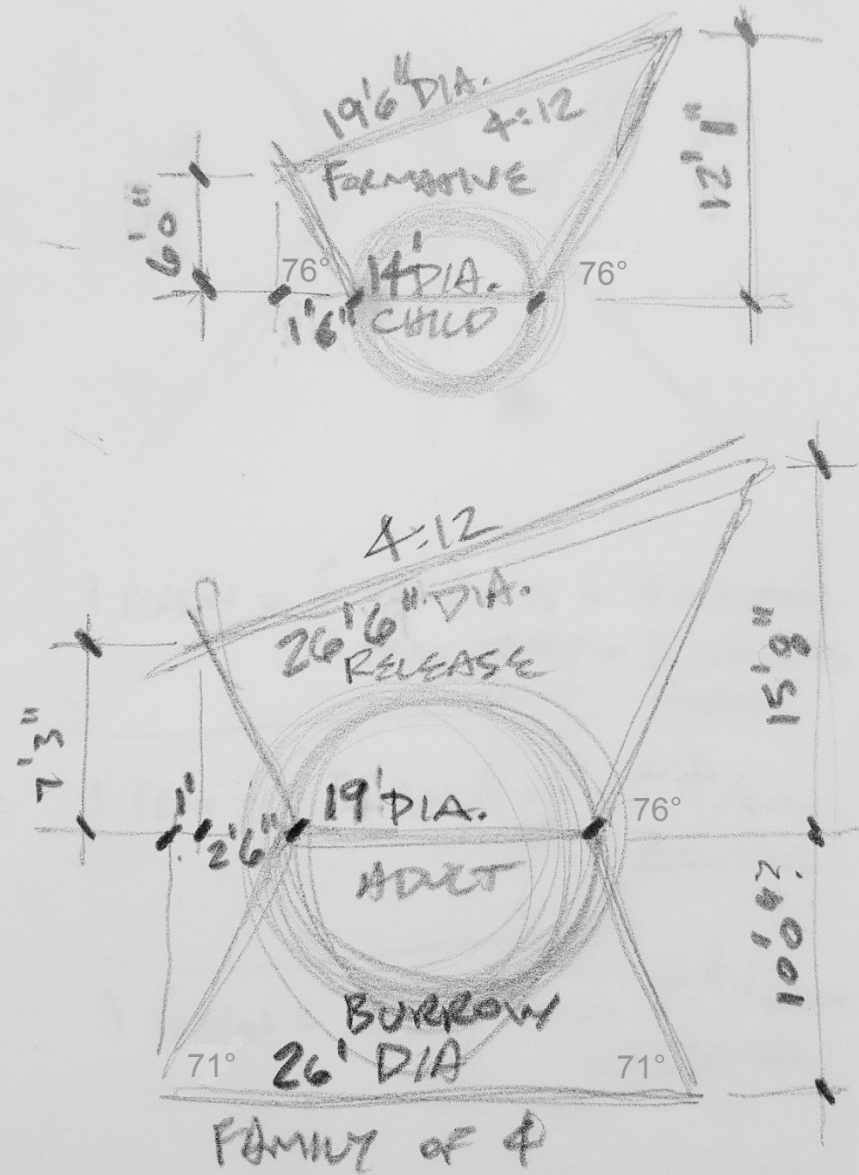


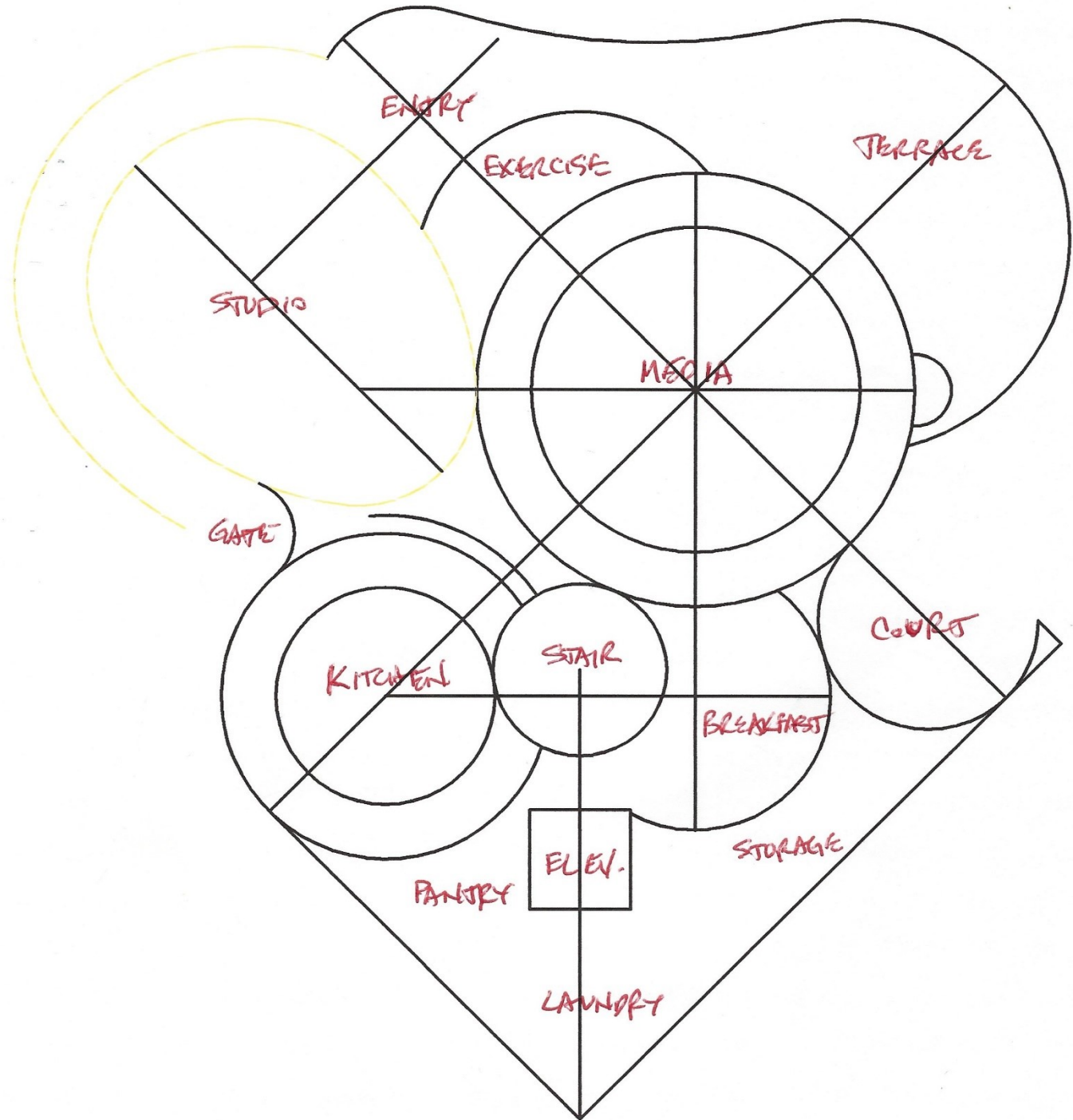


SPACE

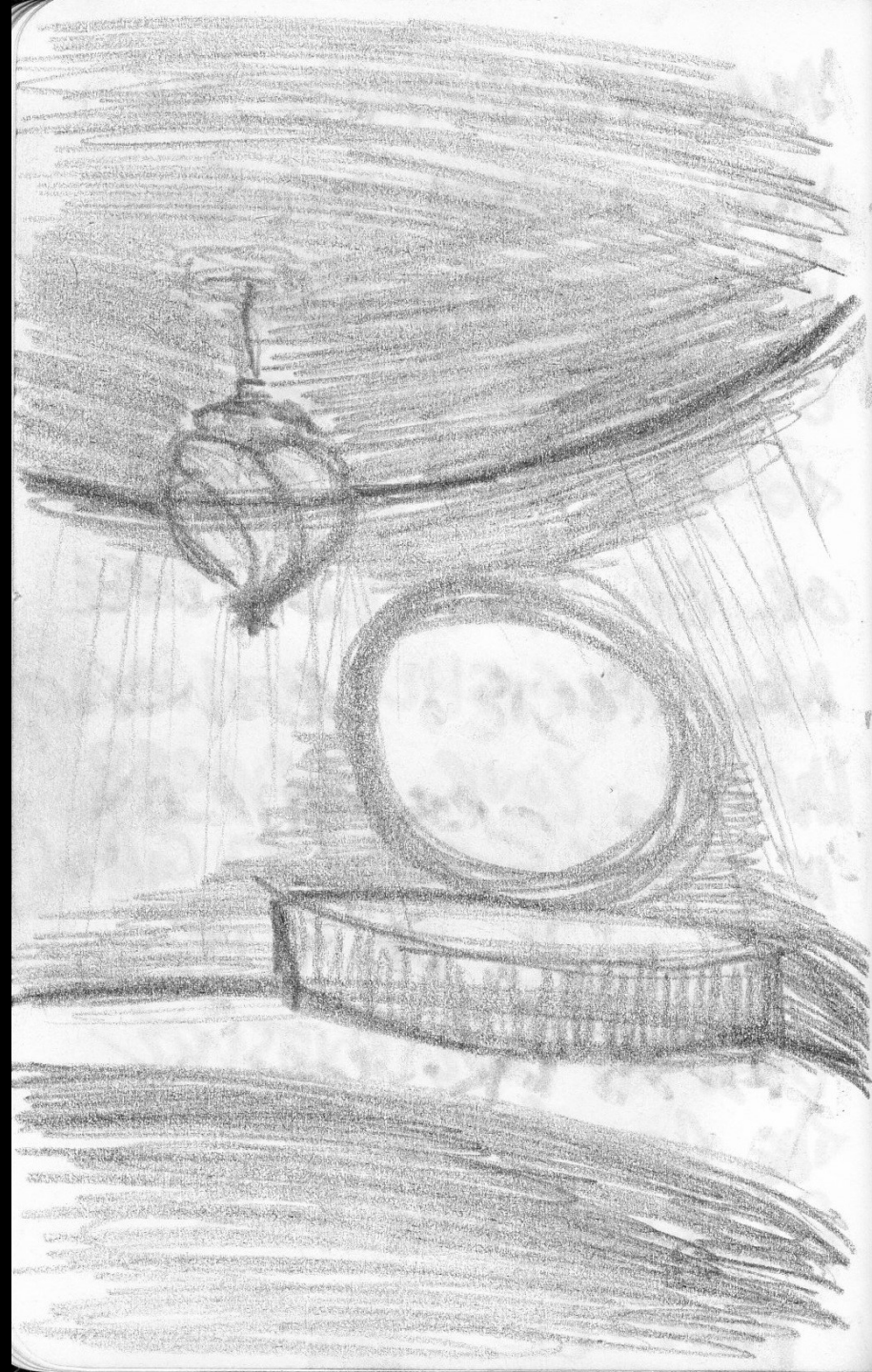


Form



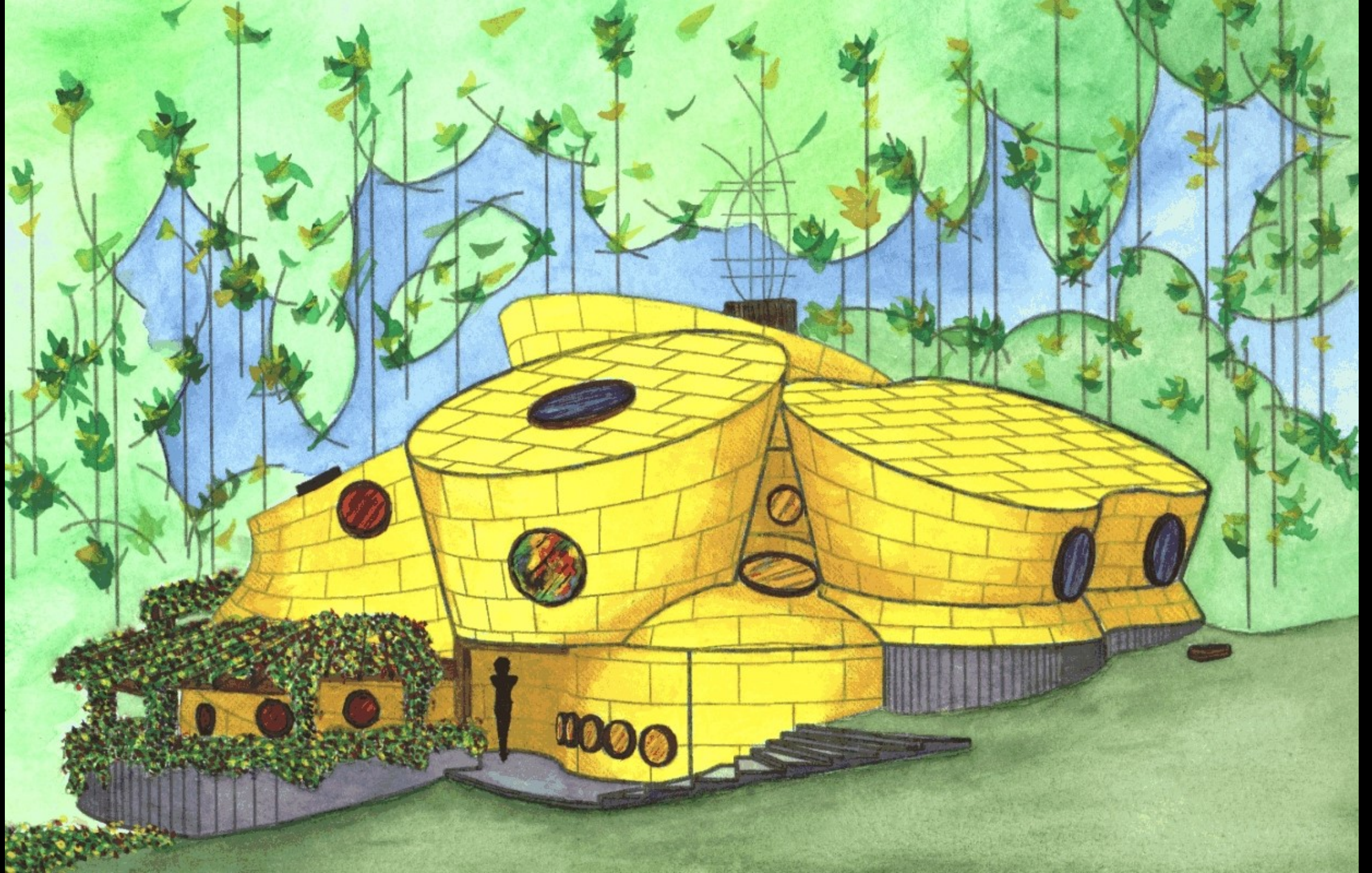








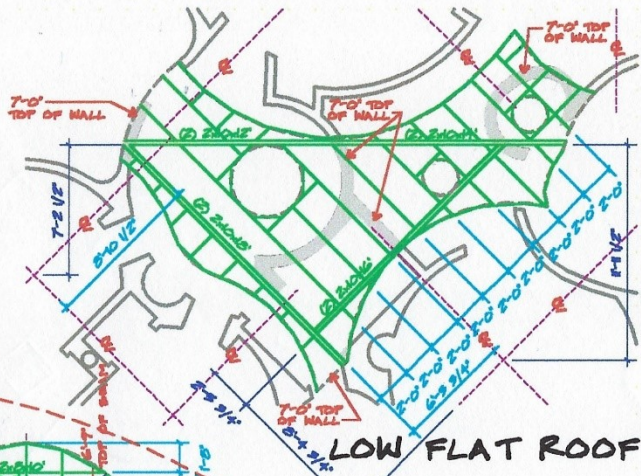




NOTCHED RAFTER
SCALE: 3" = 1'-0"

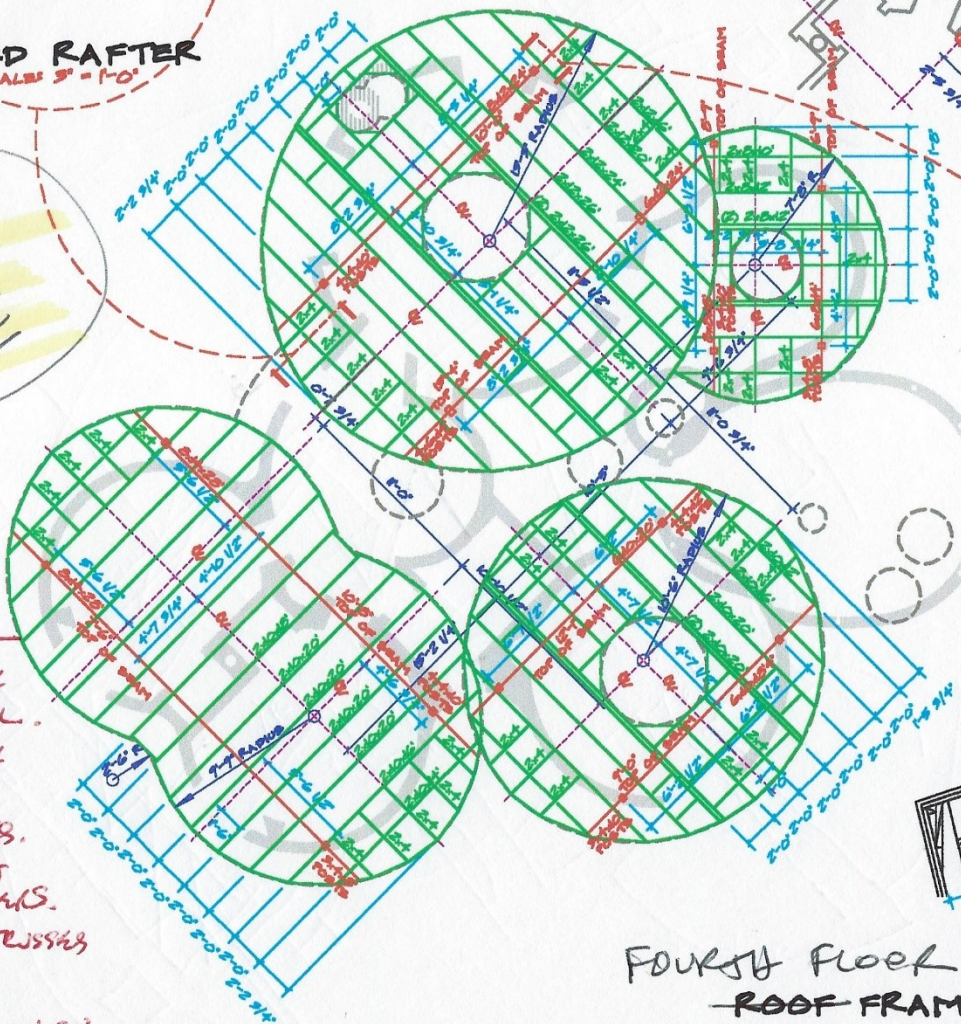
Dimension & Scale & to Window &

NOTE:
ALL FRAMING LENGTHS TO BE FROM FIN. OF GRADE UNLESS NOTED OTHERWISE ON PLANS.
ALL VERTICAL POSTS TO BE DOUBLE THE LARG. DIM. OF GRADE.
FRAMING LENGTHS ARE ORDERING LENGTHS, CUT LENGTHS TO BE DETERMINED BY DIMENSIONS.



LOW FLAT ROOF

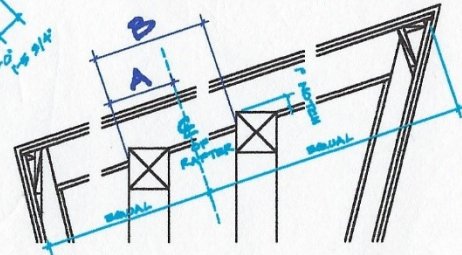
POST TOP
SCALE: 3" = 1'-0"



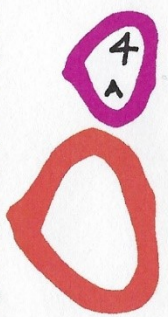
⊕ CREATE ADDITIONAL LEVELS FOR FRAMING PLANS.

0. MEASURE HEIGHT OF FLAT ROOF ON MODEL.
1. CALCULATE FLAT ROOF LOADS.
2. SIZE DOUBLE RAFTERS.
3. LOCATE & SIZE POST UNDER DOUBLE RAFTERS.
4. LOCATE 2ND FLR. TRUSSES UNDER POSTS.
5. FLIP 1" NOTCH DIMENSION ON RAFTER TABLE (READ FROM RIGHT)

RAFTER LAYOUT	A	B
SOUTH / MATT BEDROOM	5'-5 1/8"	10'-6 1/4"
SOUTH / MATT BATH	5'-1 1/4"	9'-7"
SOUTH / HALL	4'-2"	6'-3 1/4"
EAST / WEST BEDROOMS	5'-2 1/8"	10'-0 1/4"



FOURTH FLOOR ROOF FRAMING PLAN
QUARTER SCALE



2002 . 09 . 07

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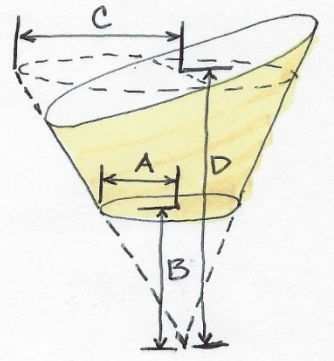
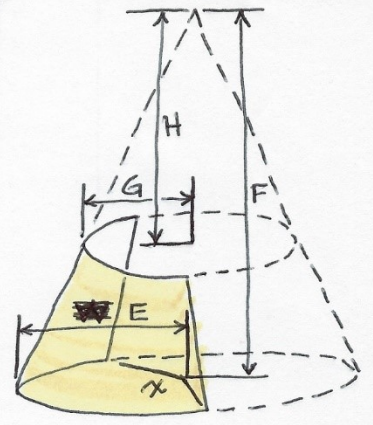
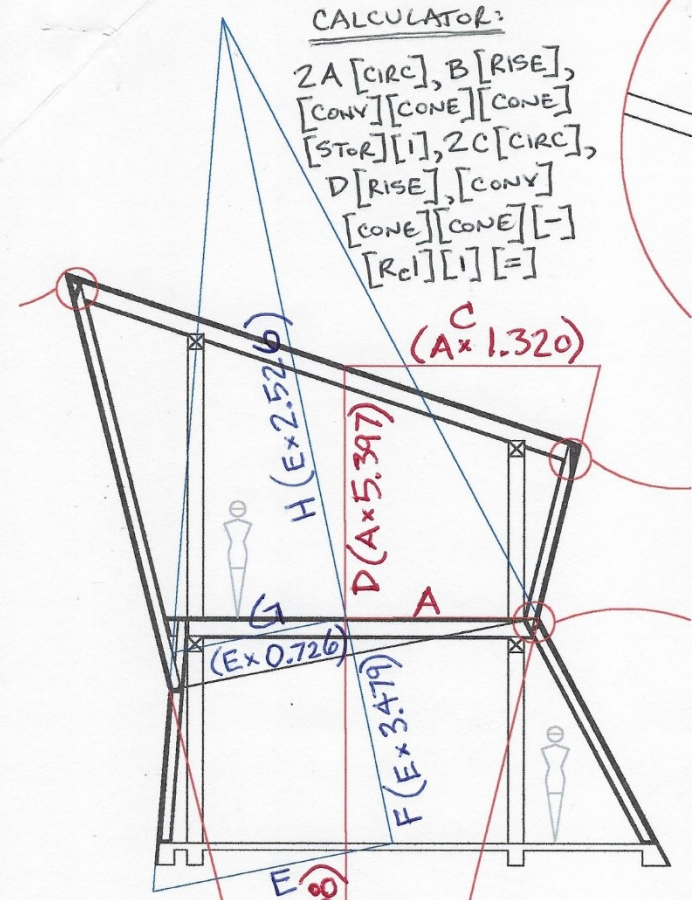
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CALCULATOR:

2A [CIRC], B [RISE],
 [CONV] [CONE] [CONE]
 [STOR] [I], 2C [CIRC],
 D [RISE], [CONV]
 [CONE] [CONE] [-]
 [RCL] [I] [=]



LUNAR
 A = FLOOR RADIUS
 B = A x 4.088
 C = A x 1.320
 D = A x 5.397

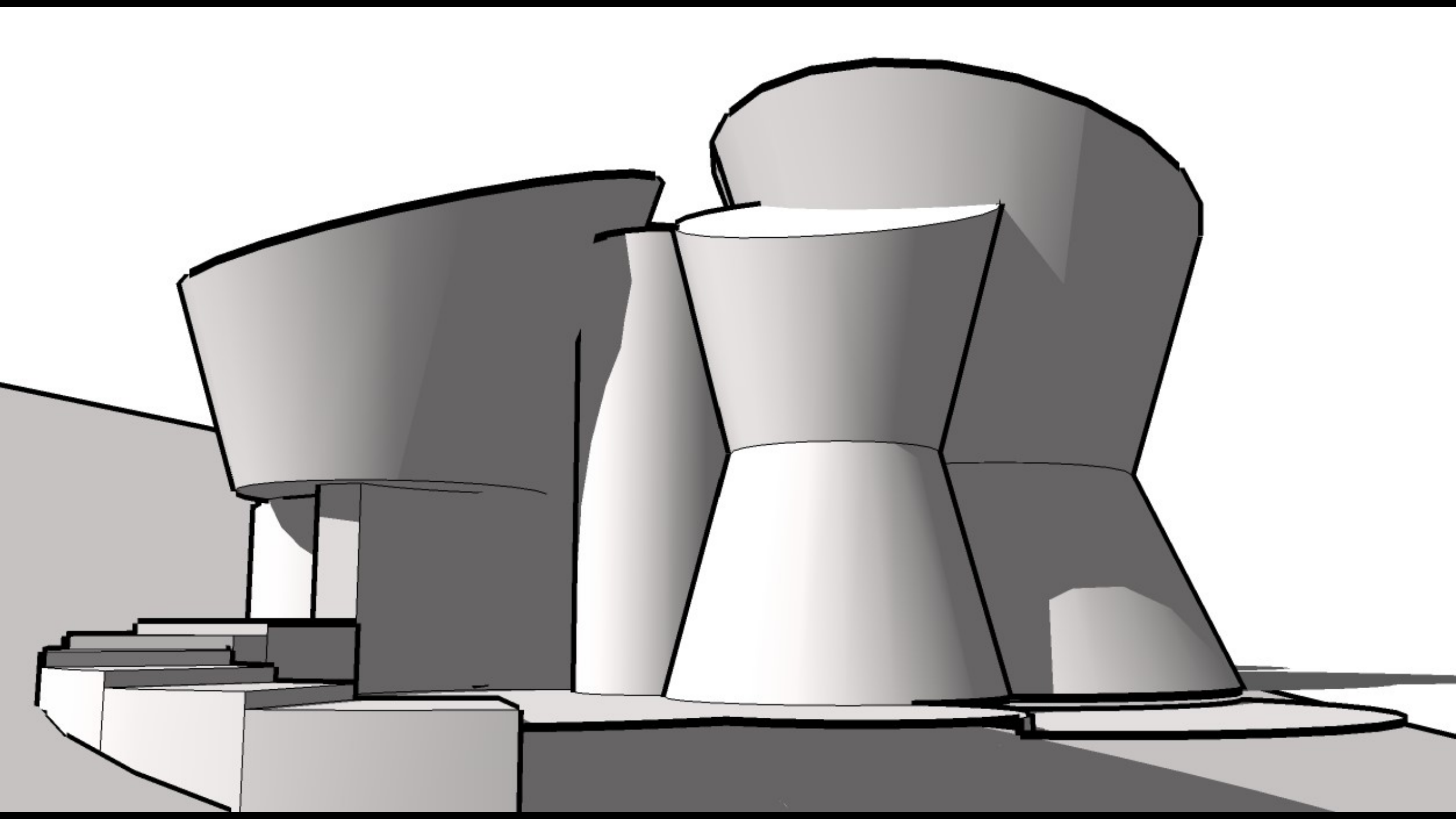
SOLAR
 E = FLOOR RADIUS
 F = E x 3.479
 G = E x 0.726
 H = E x 2.526

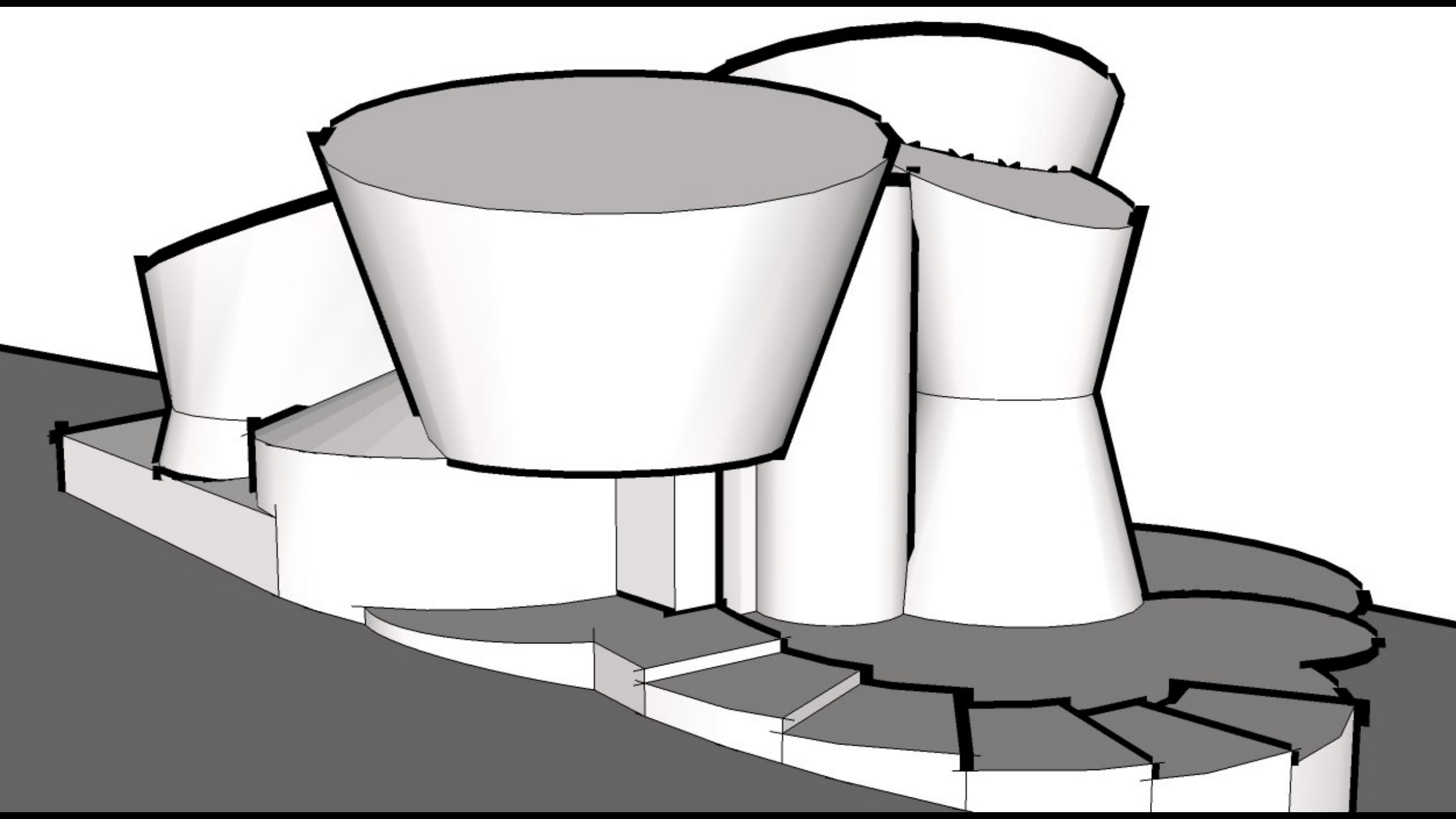
SURFACE AREA of PARTIAL CONE SEGMENT:

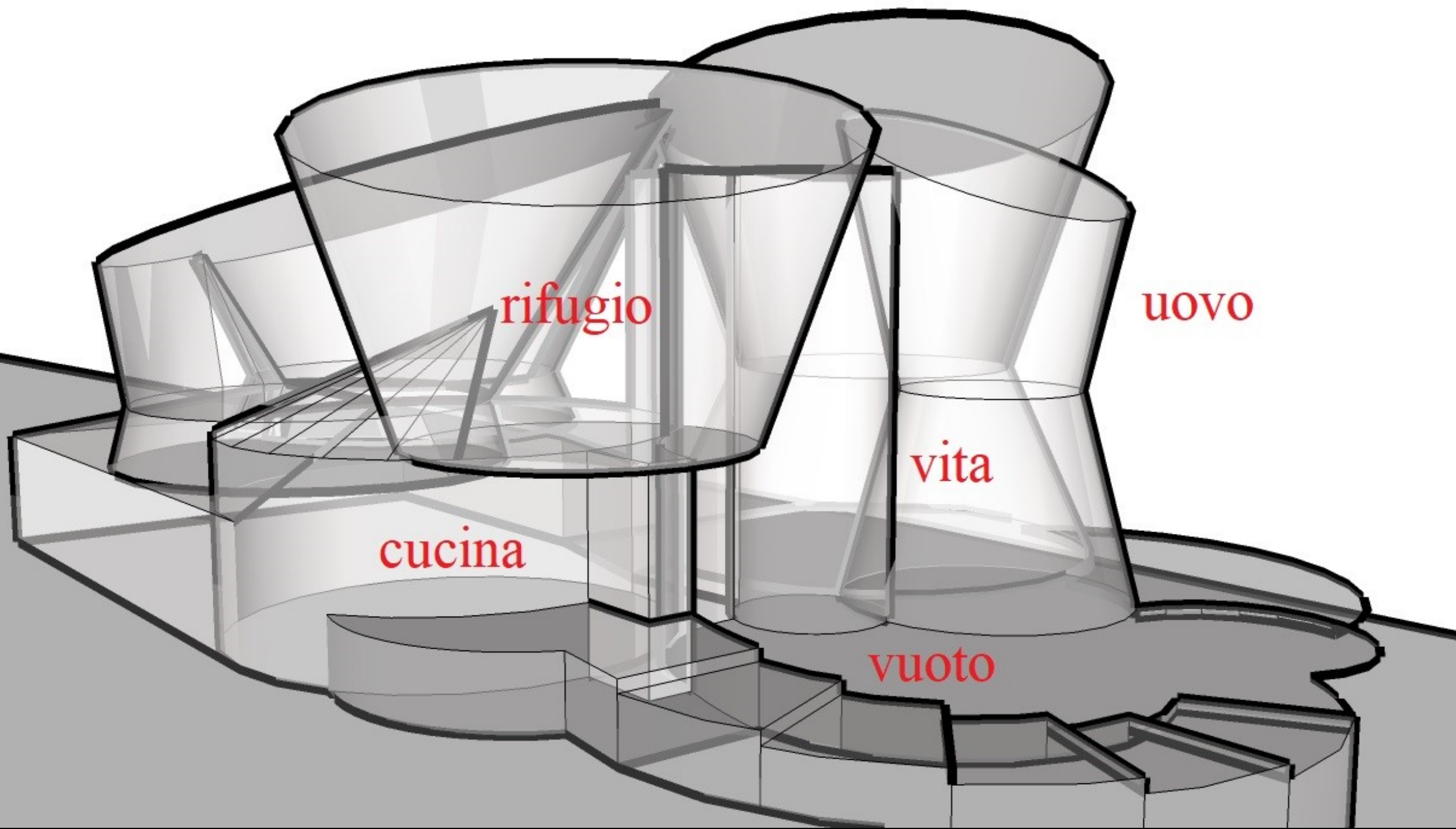
$$\left(\pi C \sqrt{C^2 + D^2}\right) - \left(\pi A \sqrt{A^2 + B^2}\right) \times \frac{x}{360}$$

CRO:

$$\left(\pi E \sqrt{E^2 + F^2}\right) - \left(\pi G \sqrt{G^2 + H^2}\right) \times \frac{x}{360}$$







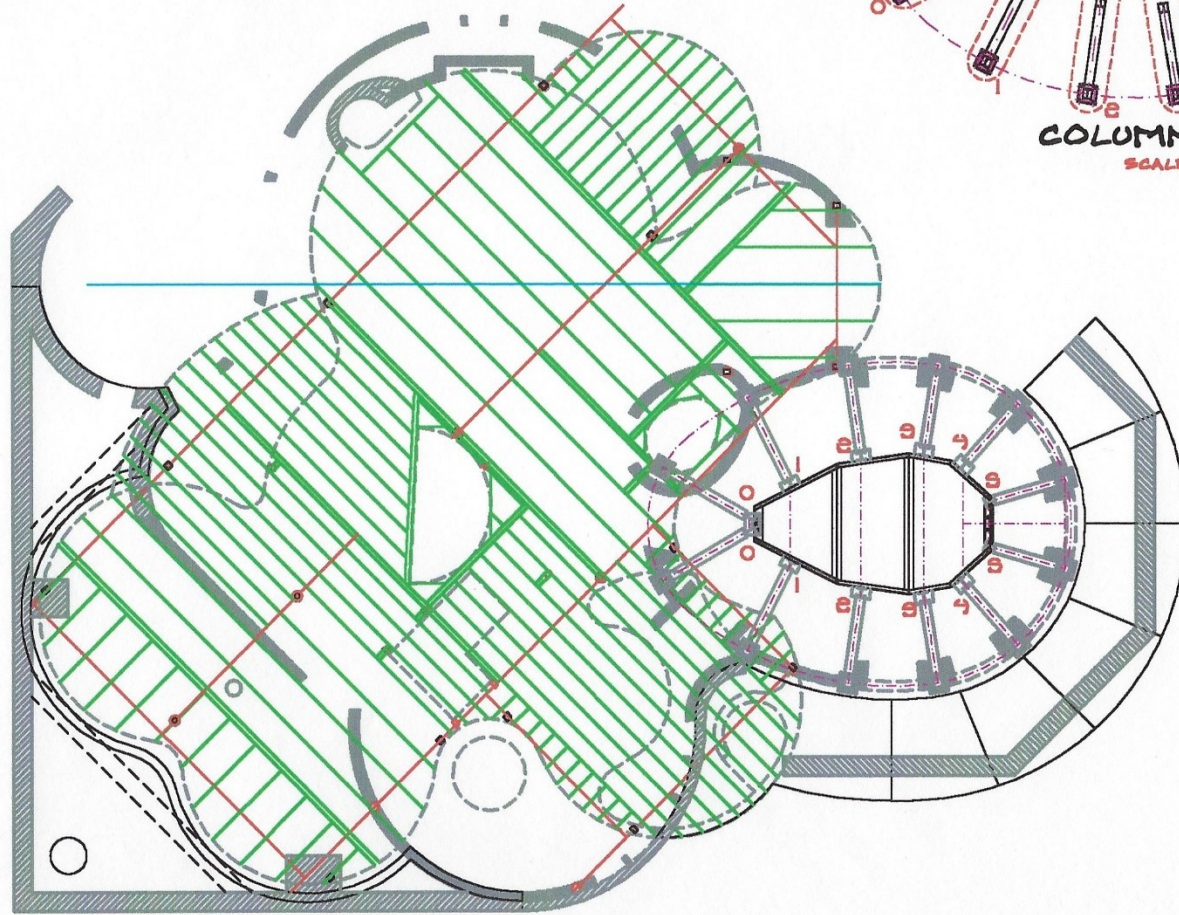
rifugio

uovo

vita

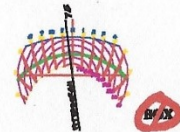
cucina

vuoto

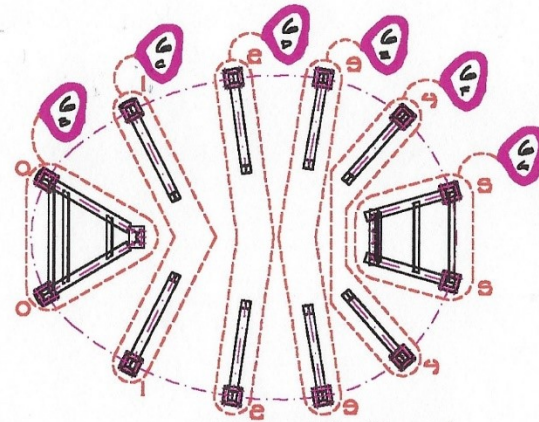


THIRD FLOOR FRAMING PLAN

QUARTER SCALE



BY/XX



COLUMN PLAN

SCALE: 1/4" = 1'-0"



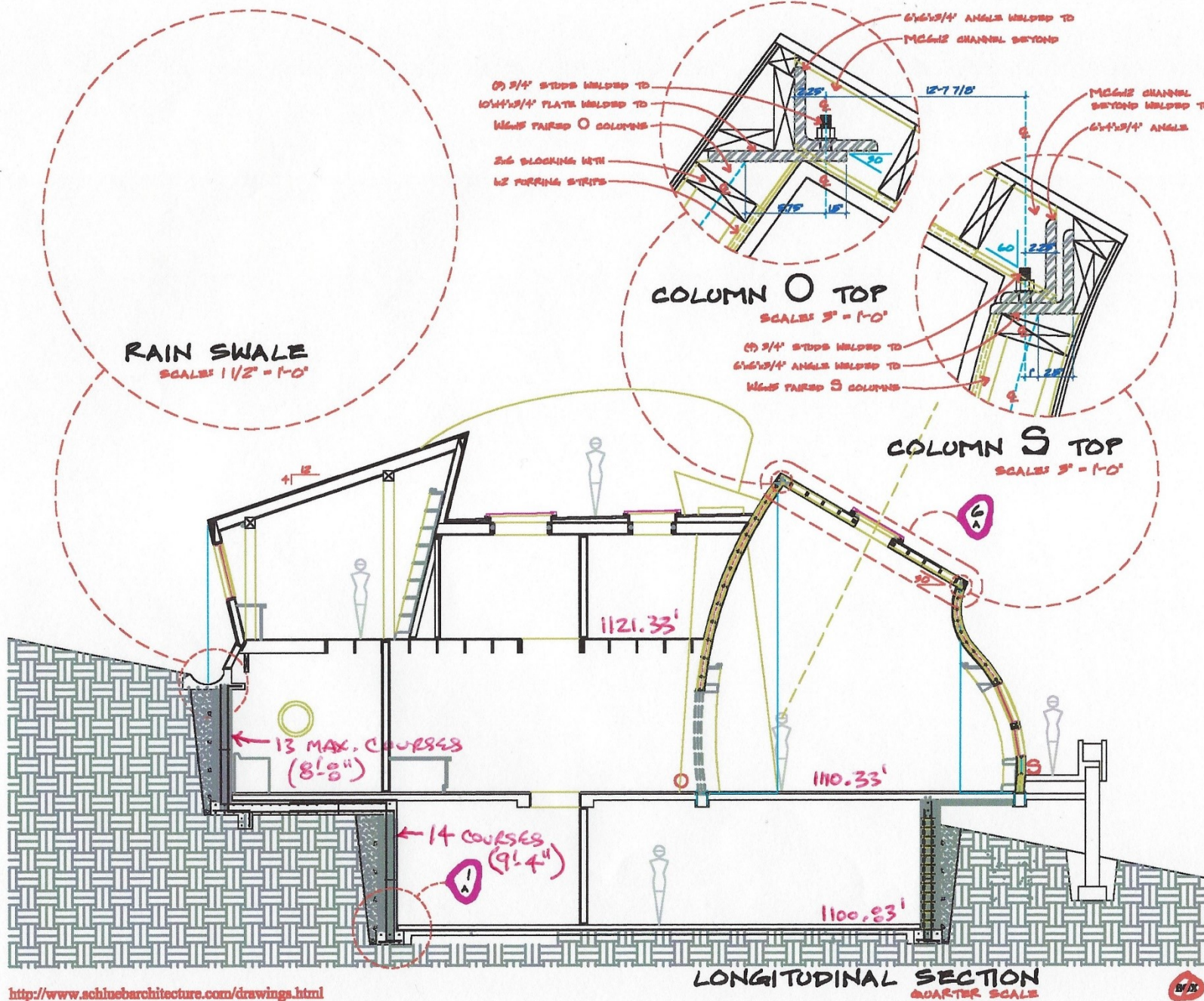
2002.06.10

විලසා ටේ ඩී ටුනෝ

අ සංරක්ෂණ ජනපද සේවා
අධ්‍යක්ෂවරයා. ආ. 15030

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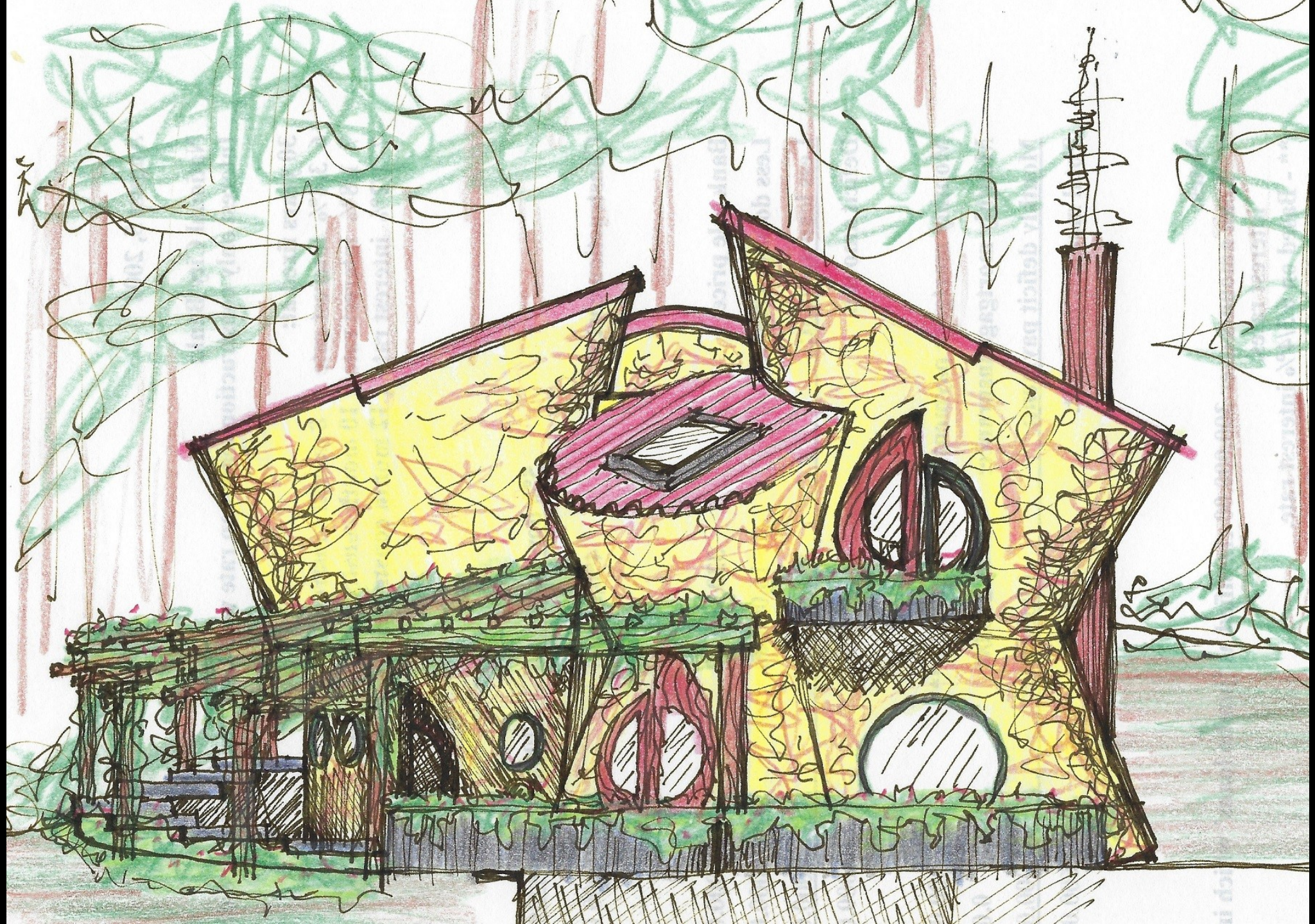
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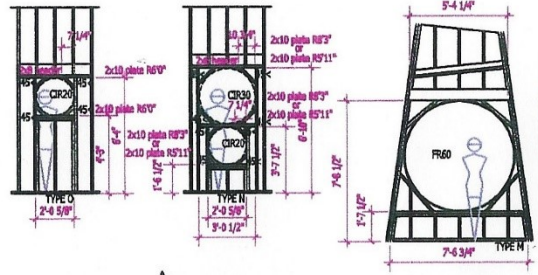


2002.06.10

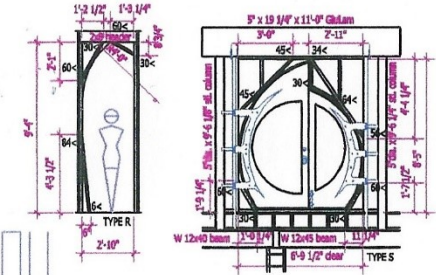
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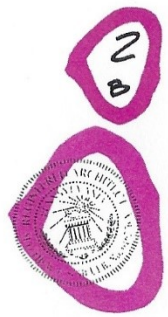
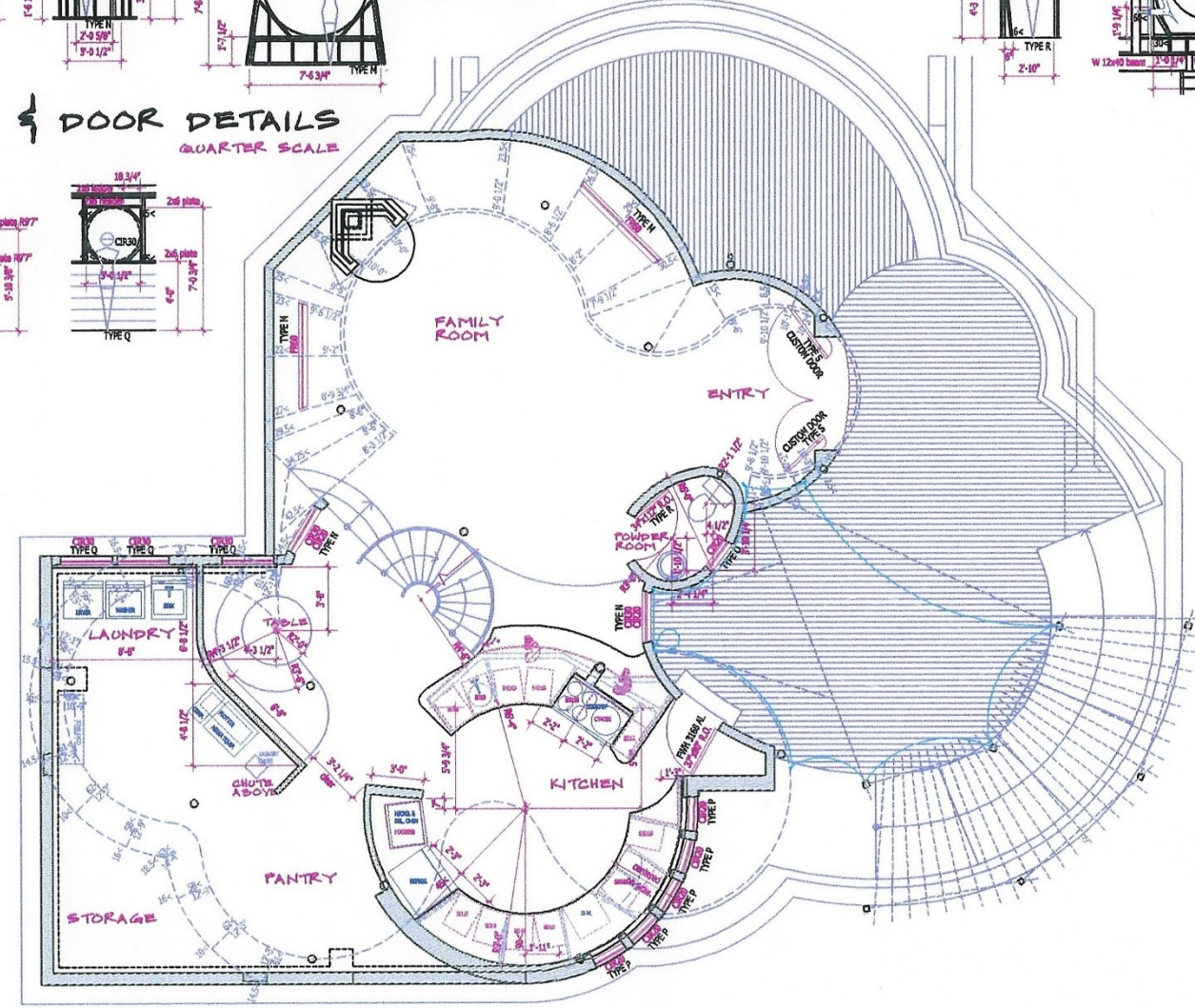
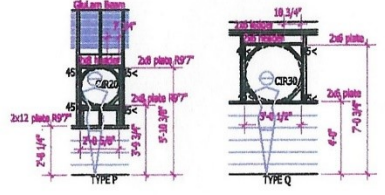




WHD:	ROUGH OPENING
CR20	2'-0" 5/8" casing
CR30	3'-0" 1/2" casing
FR30	4'-0" 1/2" casing
FR50	6'-0" 1/2" casing
DOOR:	ROUGH OPENING
FR30	3'-11" wide, 6'-0" high



WINDOW & DOOR DETAILS
QUARTER SCALE



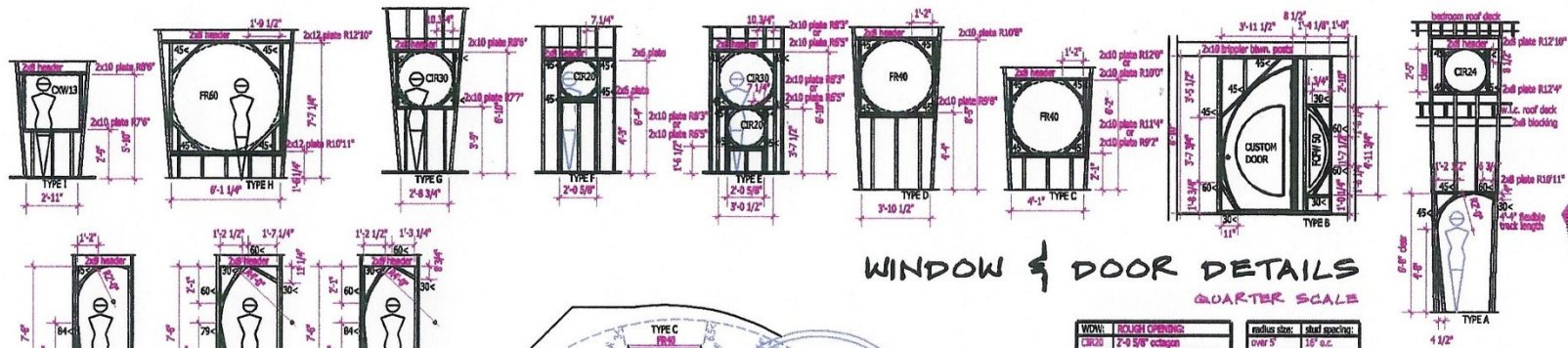
2009.07.09

SCHLUEB RESIDENCE
1604 SETTLERS GROVE LANE
TIMBUCUM, VA 22710
PHONE: 703.758.0000

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FIRST FLOOR PLAN
QUARTER SCALE

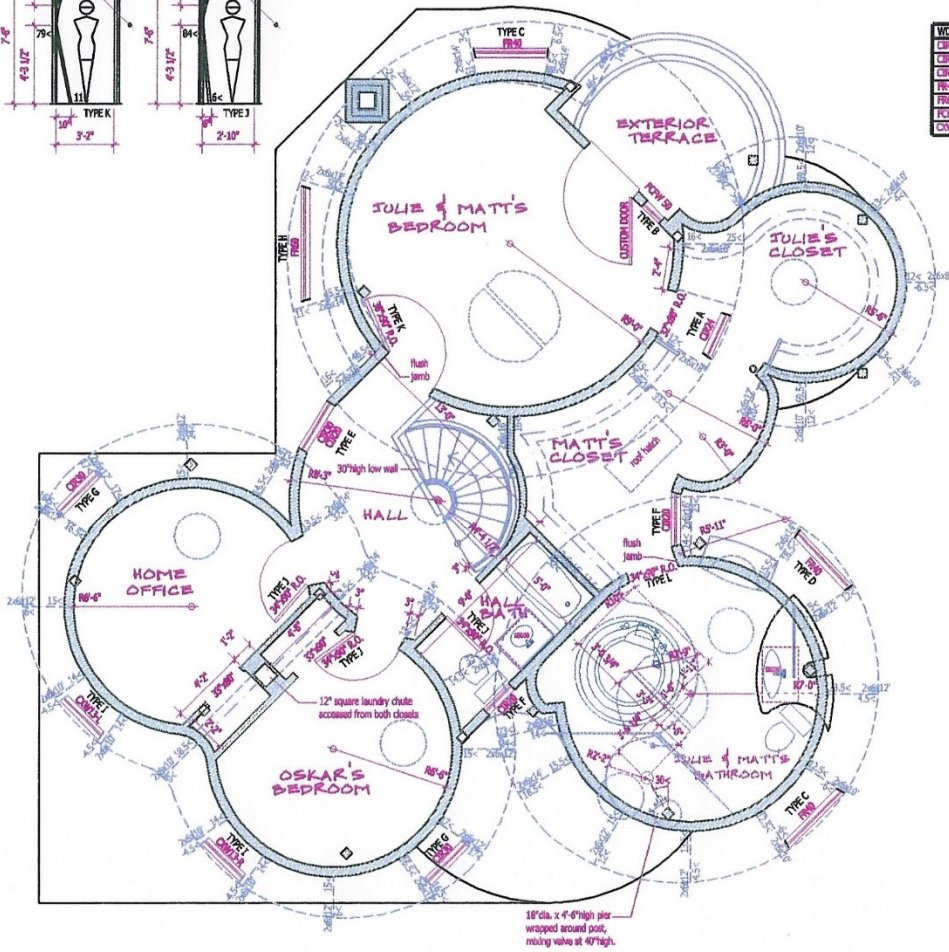




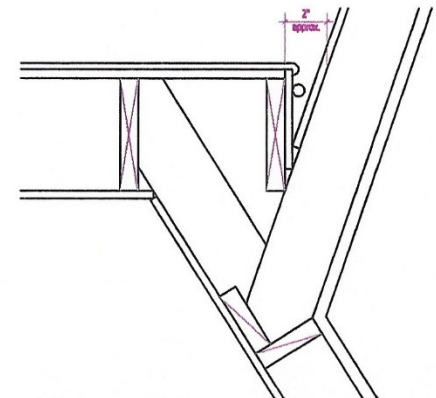
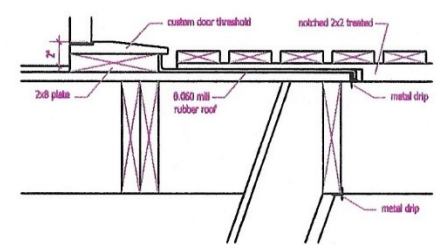
WINDOW & DOOR DETAILS
QUARTER SCALE



2009.09.09

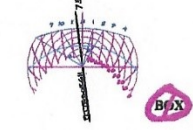


W/OV	ROUGH OPENING	radius size	slat spacing
CR20	2'-0 5/8" octagon	over 5'	12" o.c.
CR24	2'-4 7/8" octagon	4' to 5'	12" o.c.
CR30	3'-0 1/2" octagon	2'-6" to 4'	8" o.c.
FR40	4'-0 1/2" octagon	2' to 2'-0"	8" o.c.
FR60	6'-0 1/2" octagon	1'-0" to 2'	4" o.c.
TCFR30	1'-4 1/8" wide, 4'-11 3/4" high	1' to 1'-4"	3" o.c.
CRW13	3'-0 1/2" square	under 1'	1 1/2" o.c.



FLOOR BASE DETAILS
SCALE: 2"=1'-0"

SECOND FLOOR PLAN
QUARTER SCALE



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