ARCHITECTURAL CONVOLUTION

Undergraduate Submission

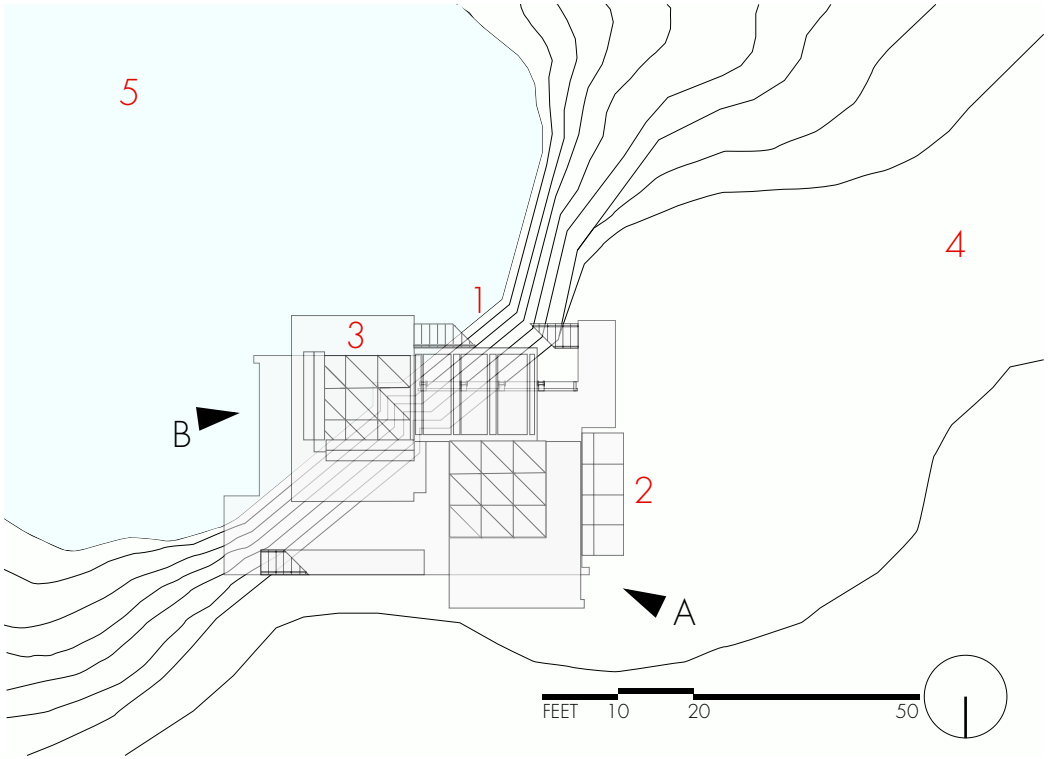
Studio project

Synopsis: In deviation of conventional architecture projects, the objective of this pavilion is to accommodate two people with a unique relationship in attempt to embrace the essence of scale, program, and circulation. Moreover, the assignment title, "Incomplete House", lends itself perfectly to the use of acquaintanceship as a construction template. How these two people go about their lives under the same roof is uncertain, therefore coining the "incompleteness" conceptually and physically given the fact that the project does not hesitate to reveal its structure. Creating an interlocking action is crucial in order for both individuals to sustain interaction and isolation. Two separate rooms offer privacy and a meeting ground on the rooftop provides an optional interaction ground. Exposing one entire face of each room encourages the dramatic shift of natural light which can dictate the daily circulation. Among all project components, the key to achieving this design is found in the use of the folding process where planes are incorporated into one another.

FABRICATED SITE

Instead of investigating a given site, the assignment's criteria encouraged complete fabrication of the physical context. There is virtually no demand for social design challenges causing this unique site to be treated more as an experimental ground.

1. Manipulated coastline
2. Driveway/Entrance
3. Panoramic view
4. Western passage
5. Water body



FINAL MODEL

Model documentation:

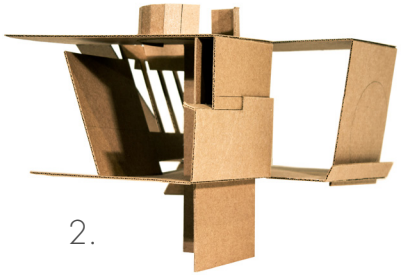
A: South-west perspective

B: Overview

C: North-east perspective

DESIGN PROCESS

1.

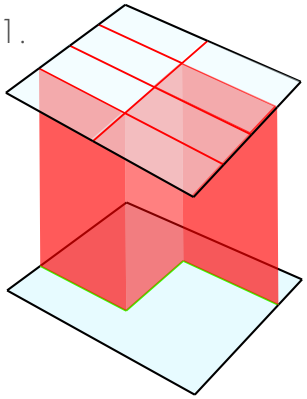


2.

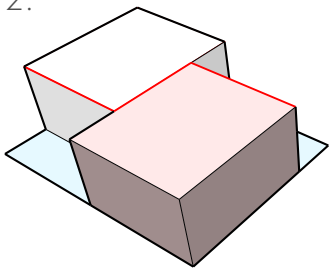
3.

Folding & Scaling

1. Study of the human scale in relation to furniture & fixtures - 1/2" = 1'0"
2. Study of integrated surfaces & spatial production - 1/4" = 1'0"
3. Alternative perspective



1.



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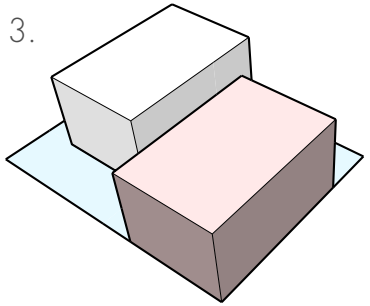

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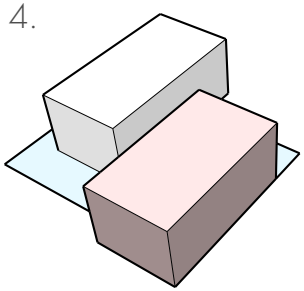

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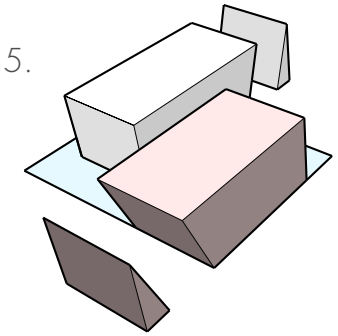

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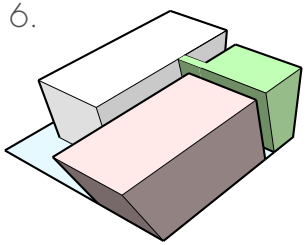
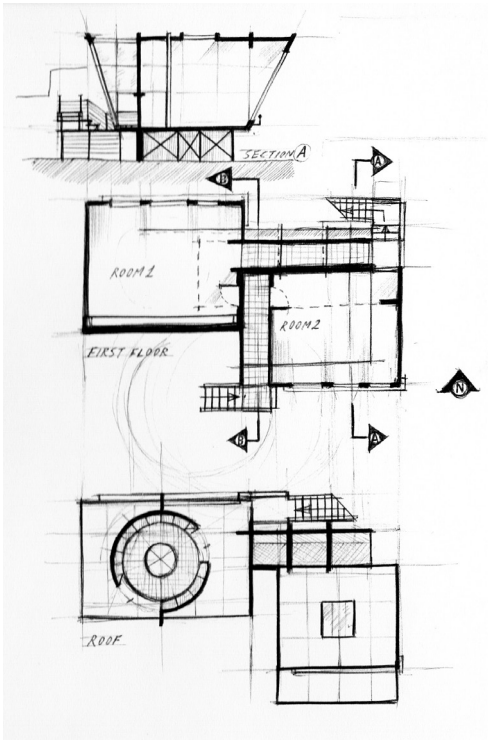


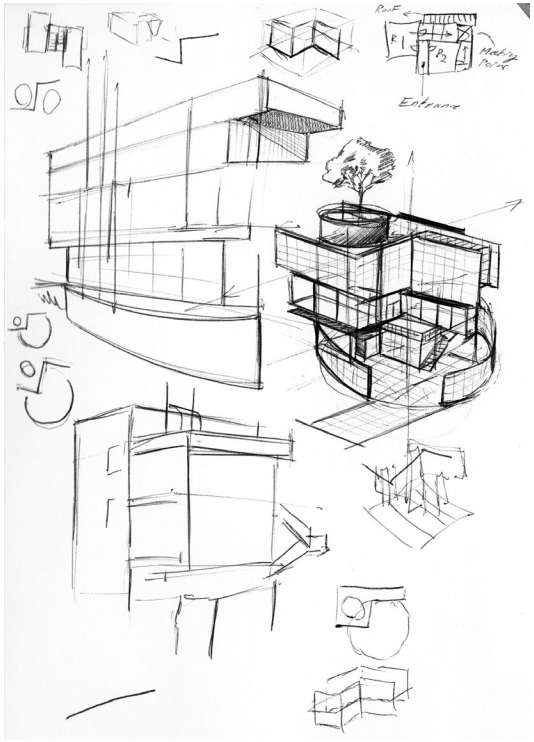
6.

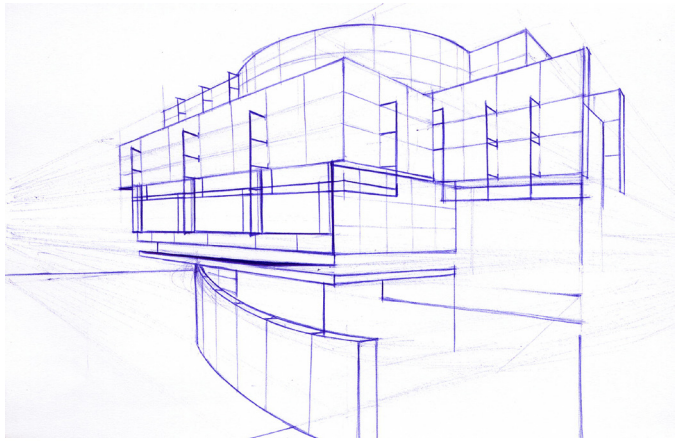
Massing & Order:

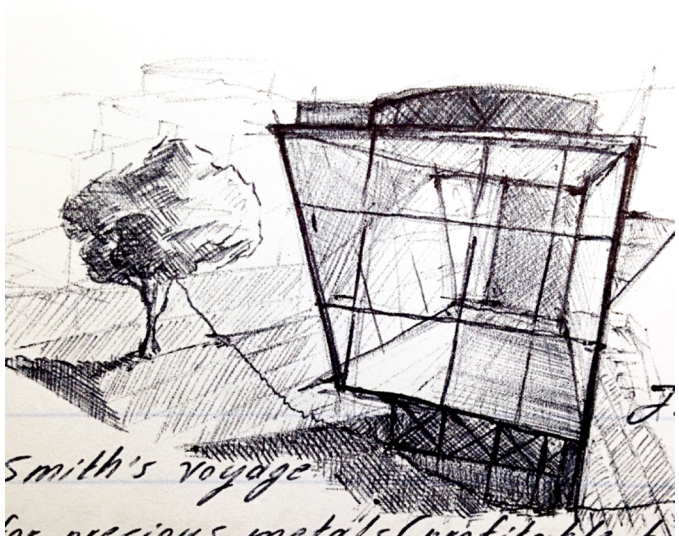
1. Grid projection
2. Vertical extrusion
3. Lateral separation
4. Outward extension
5. Diagonal slice
6. Third party grouping

PRELIMINARY DRAWINGS

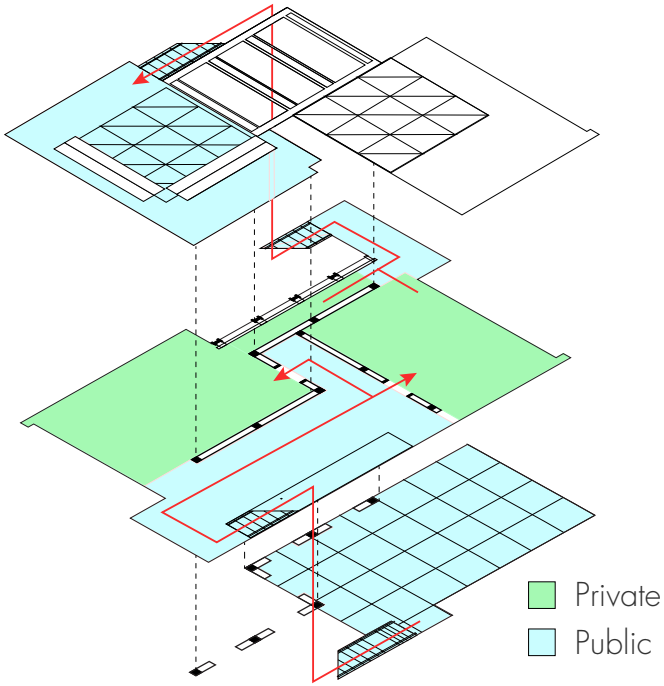


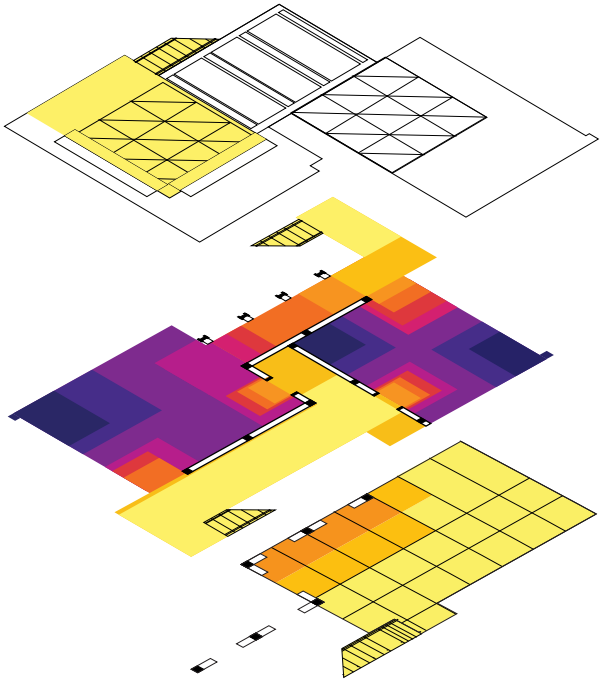






INFO DIAGRAMS

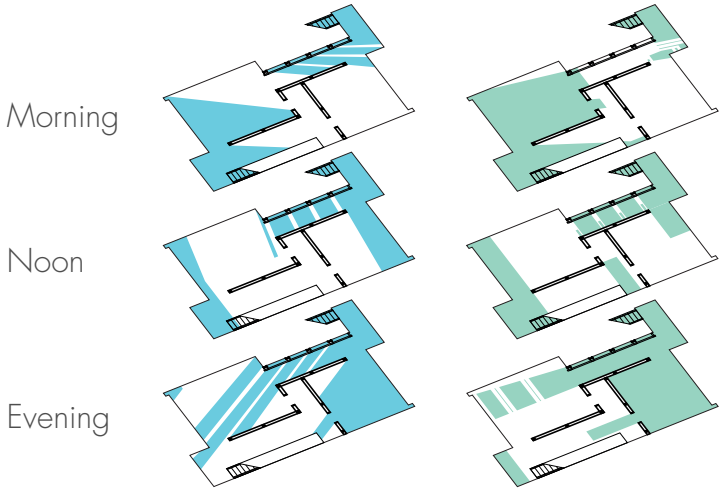


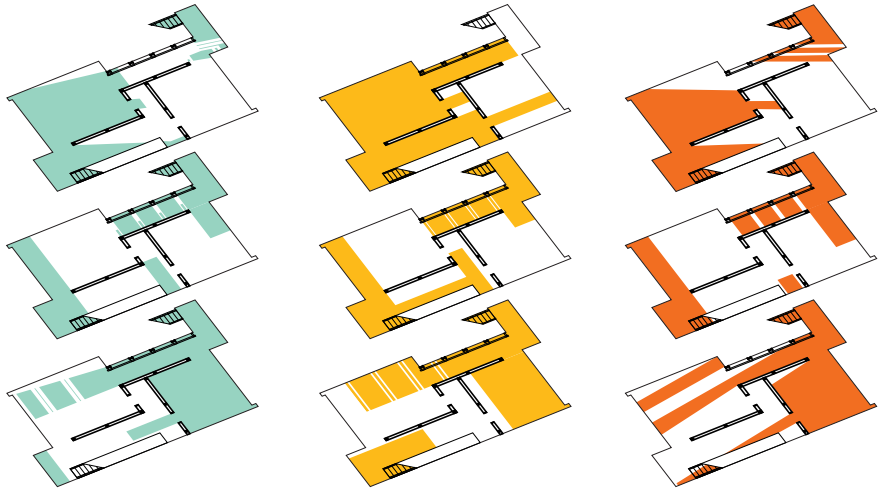


Probability of interaction:

Most probable

Least probable





Natural Light - first floor:

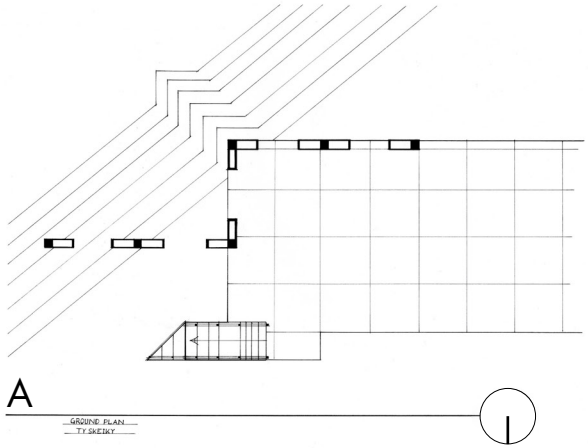
Winter - January

Spring - April

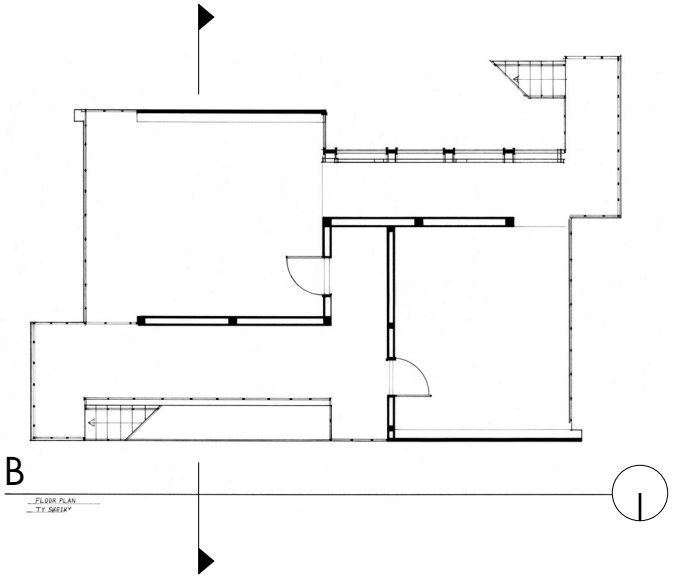
Summer - July

Autumn - October

TECHNICAL DRAWINGS



A



B

Ink on vellum

1/4" = 1'0"

A: Ground plan

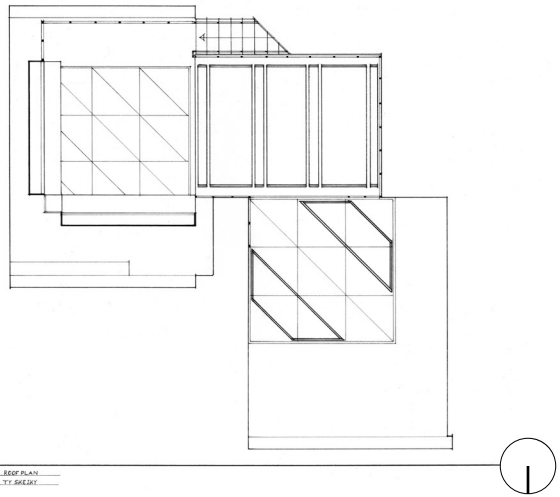
B: Floor plan

C: Roof plan

D: Section

E: Exploded axon

1 2 5 10 20



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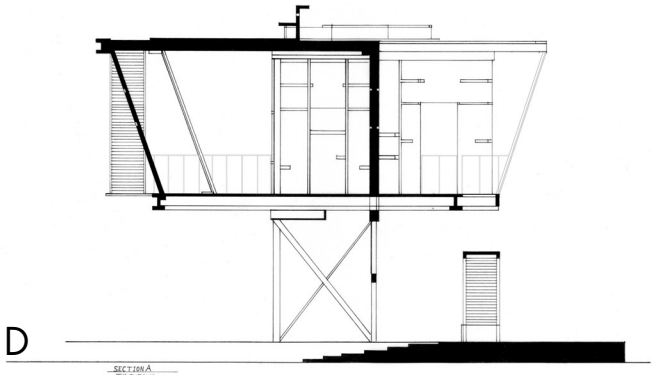
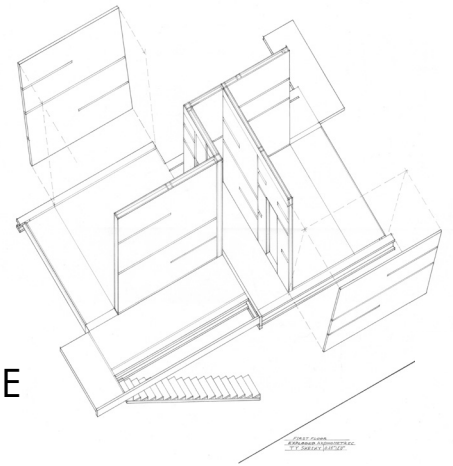


D



E

A