INSPIRATION:

DANDELIONS

Qualities
Form
Concept
Structure
Geodesic
H. Johnson
Fluidity
Seasonal
Movement

Super Structure: 1 or 2 way?
Biophic

Dandelions
ENTRY SKETCHES

FRONT ENTRANCE, REFLECTION POND TO THE SIDE
shaded walkway

seeds flying away

N↑

as shaded enclosure

& floating seeds
SITE PLAN

VIEW FROM THE BLUFF LOOKING DOWN TOWARD THE RIVER
BIRD'S EYE VIEW

FROM PARTI

TO STRUCTURAL FORM
PRESENTATION ROOM VIEWING/BREAK OUT SPACE

ROOF STRUCTURE

- Suspended panel houses plumbing, electrical/mechanical
  - Layered grid

- CAST ON-SITE CONNECTIONS
  - Depth?

- Primary load bearing girders
- Secondary water harvesting beams
  - Reduces amount of drains

- Thermal bridging, exterior/interior beam

- Connection, insulate
  - Circle
EVERY LOW POINT CREATED BY THE FOLDED PLATE SYSTEM HAS A ROOF DRAIN. THE DRAIN PIPES FOLLOW A SUSPENDED PANEL GRID THAT MIRRORS THE PATTERN ON THE PLATE ABOVE.

FOLDED PLATES:
METAL EXTERIOR FINISH
8 INCHES OF INSULATION
6 INCHES OR CONCRETE

ROOF DRAINS:
HARVEST RAIN WATER COLLECT AND DISPERSE FILTERED INTO PONDS