

TROPICAL ROOF ITERATION 1 (b)

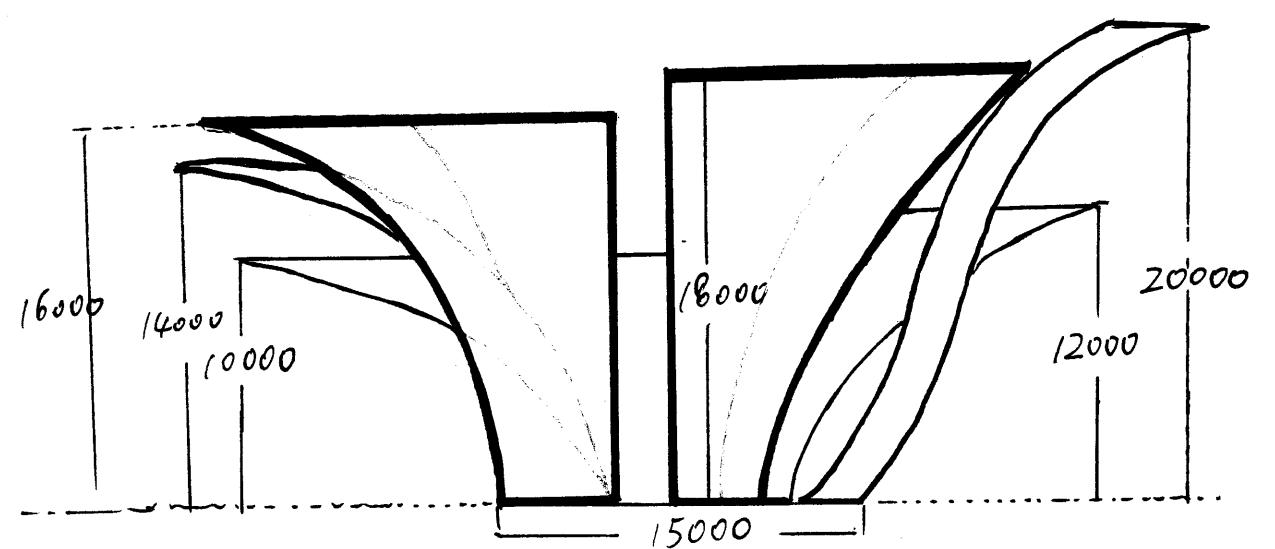
Arise as flower petals to give a sense of vitality.

Experience under the structure creates a dappled light effect as you walk in a tropical forest.

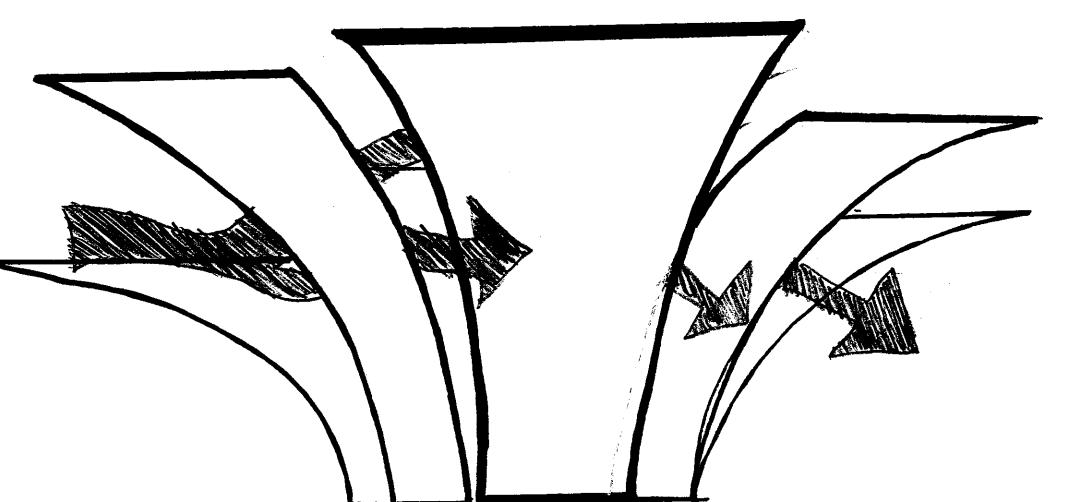
Experience on the structure encourages the public to walk on and provides a more open and brighter view.

Material:

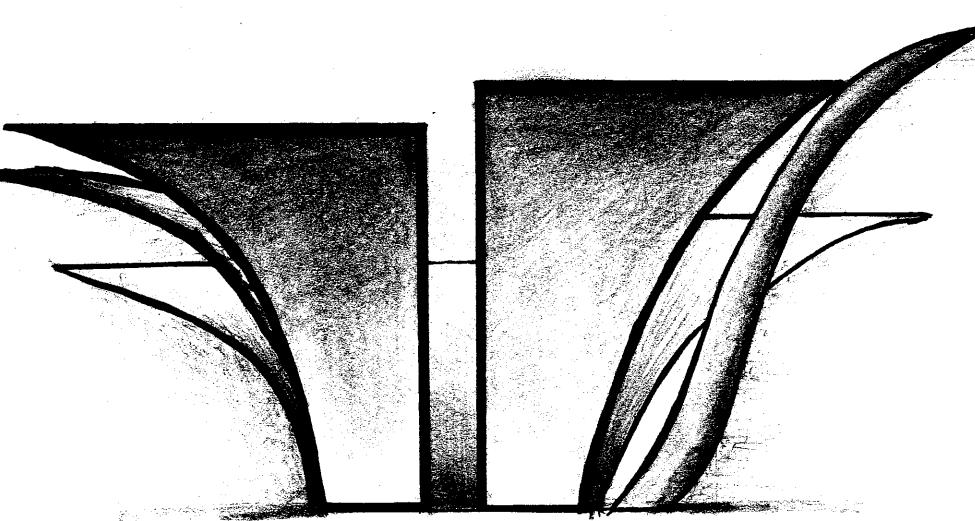
- Transparent membrane underneath
- Steel structure at the side
- Wood staircase.



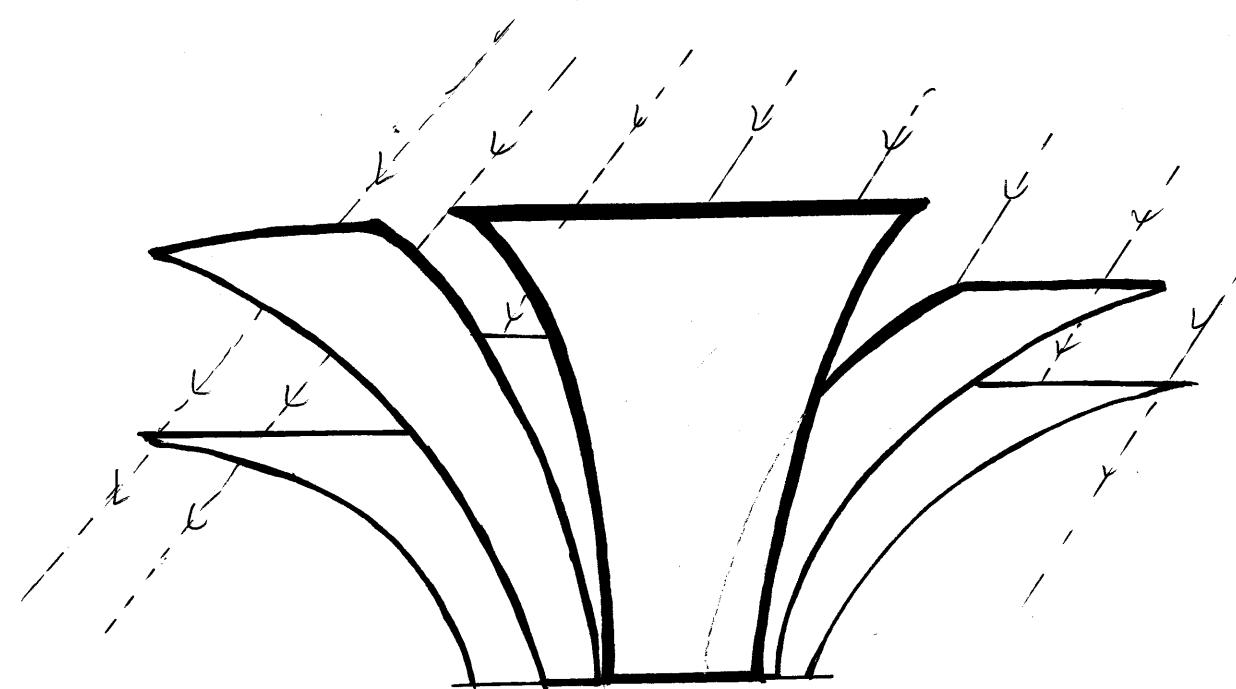
Dimension



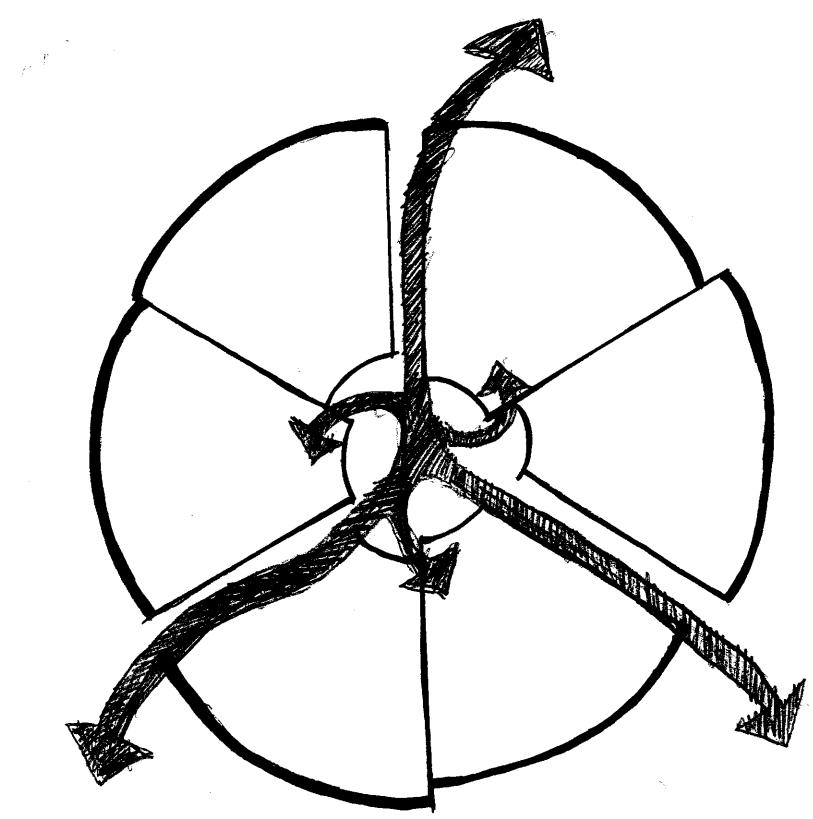
Wind ventilation



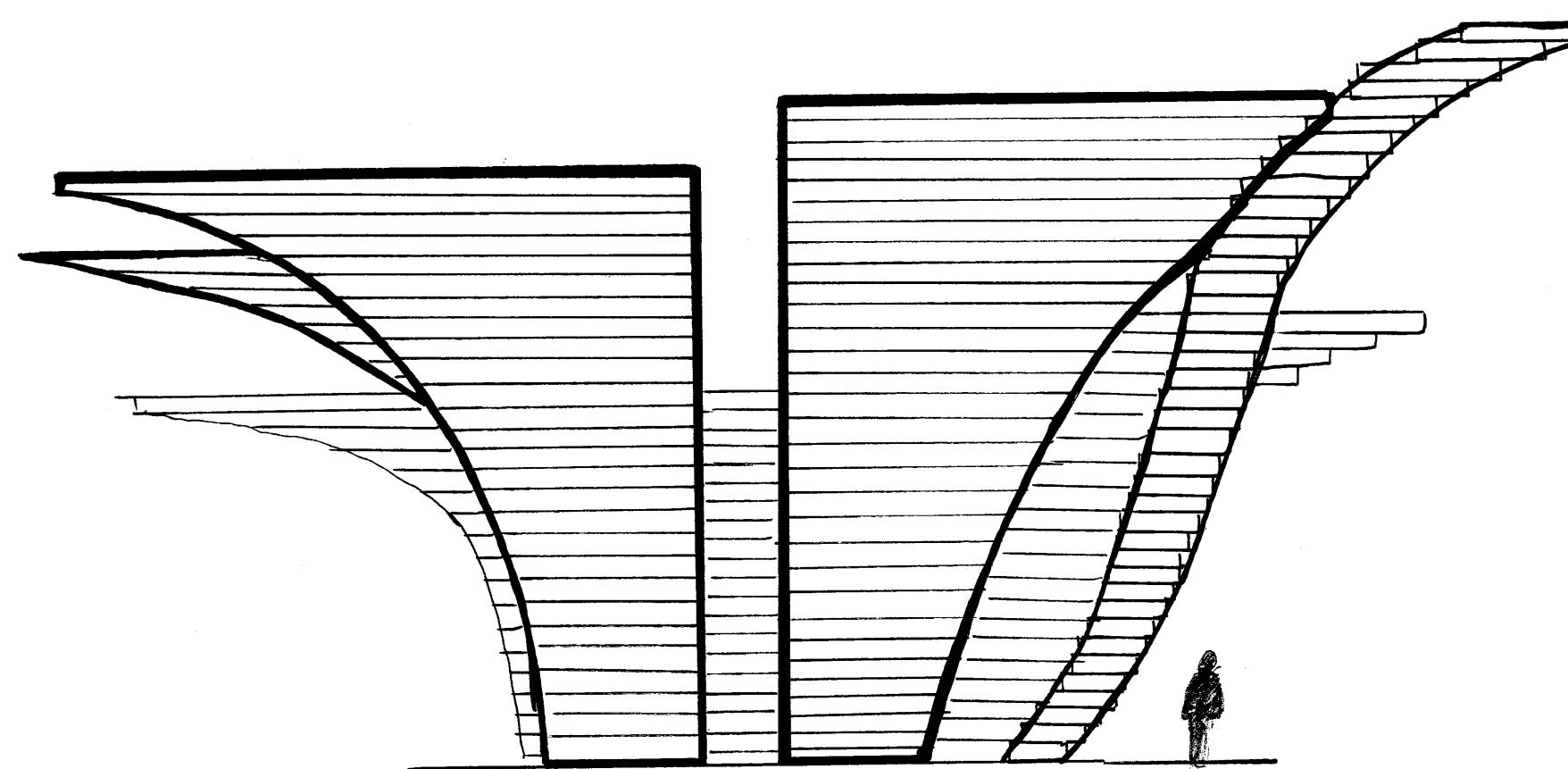
Light penetration



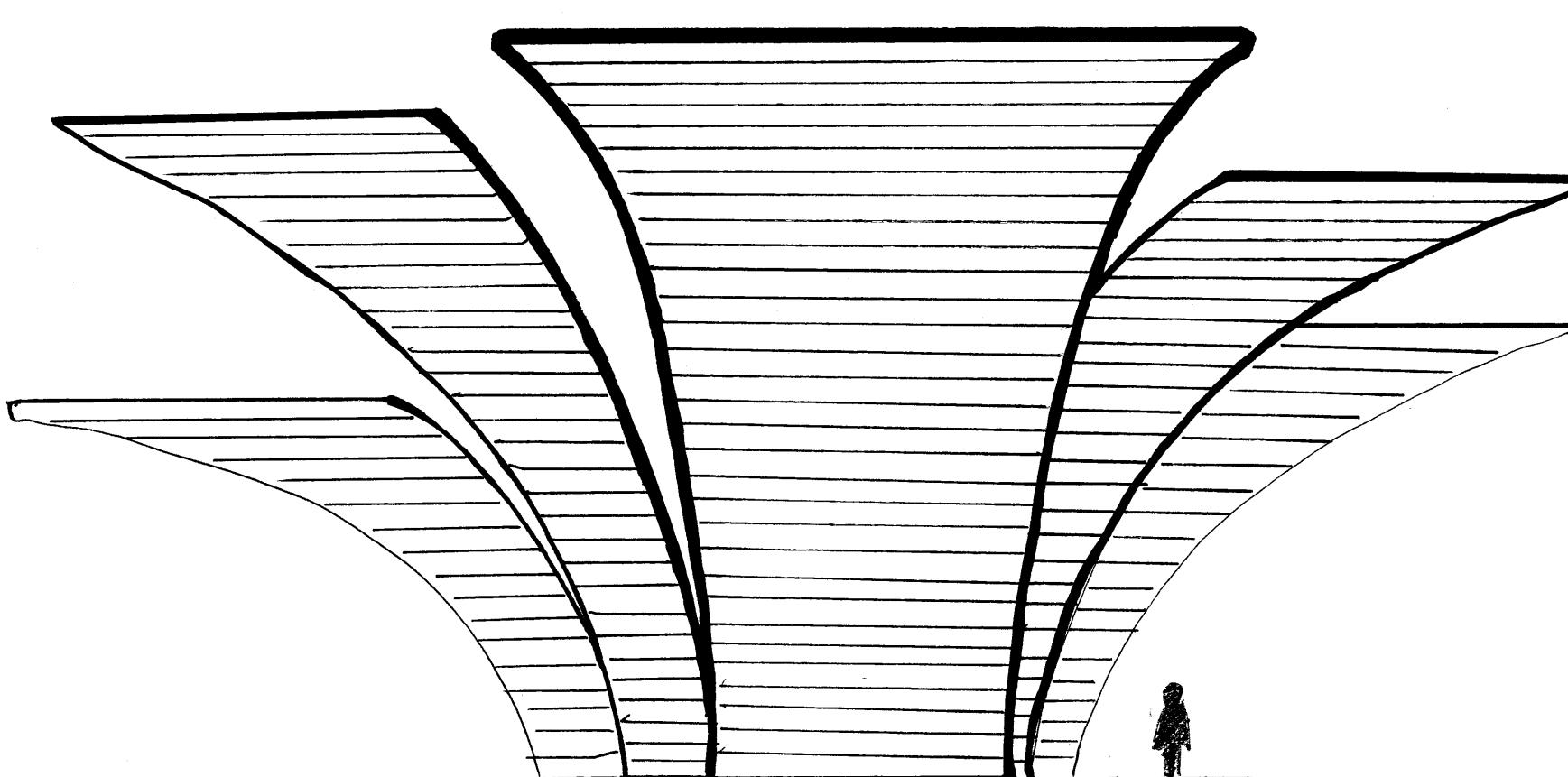
Rain prevention



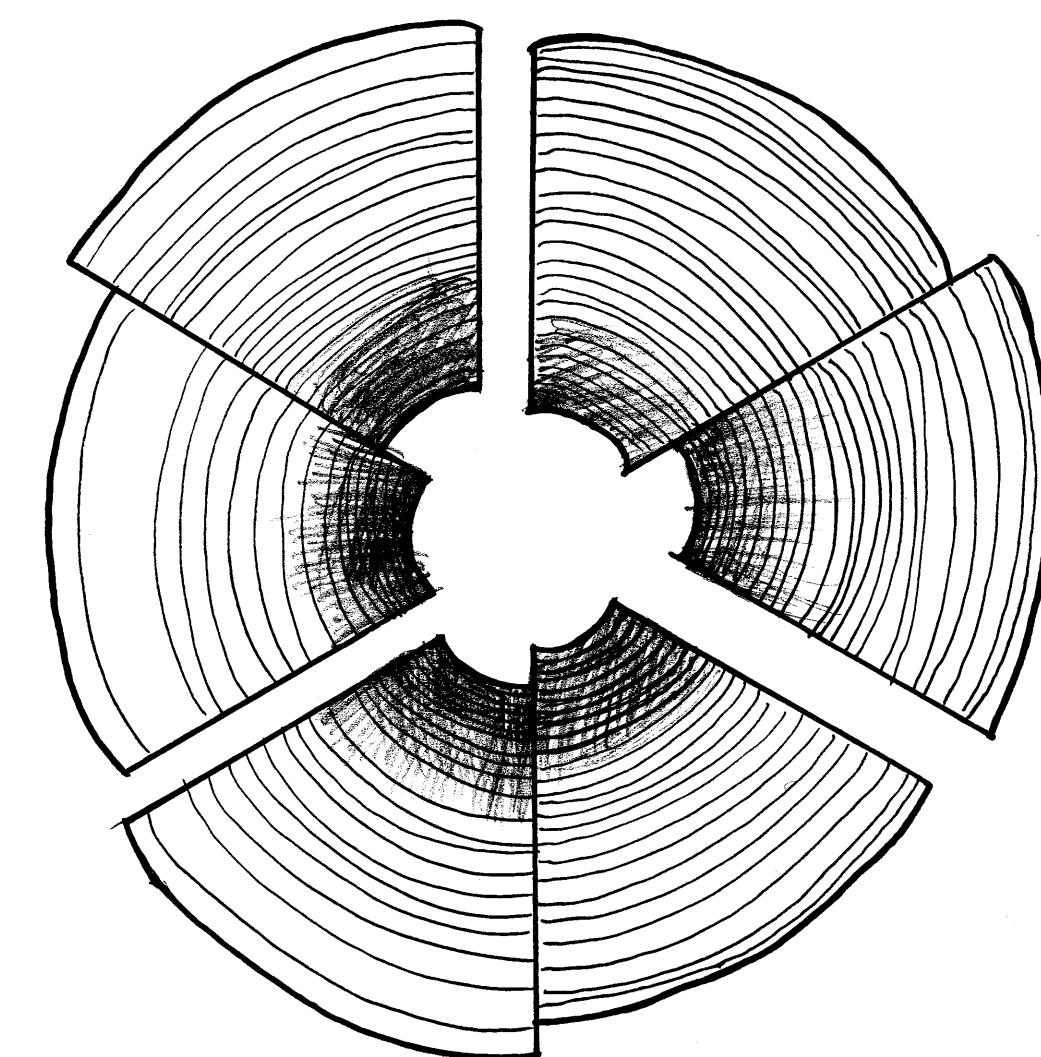
Human circulation



Front elevation

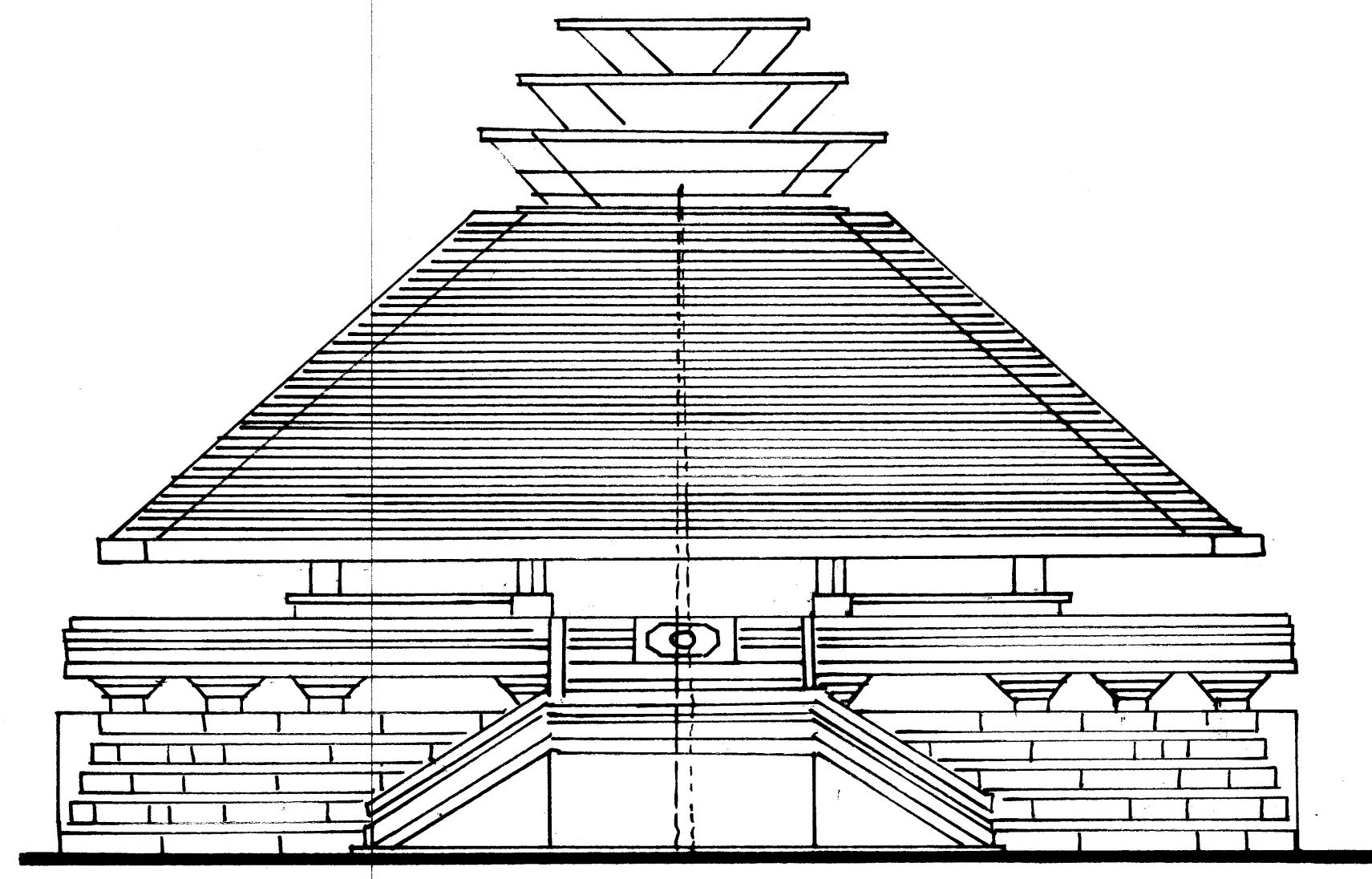


Right elevation



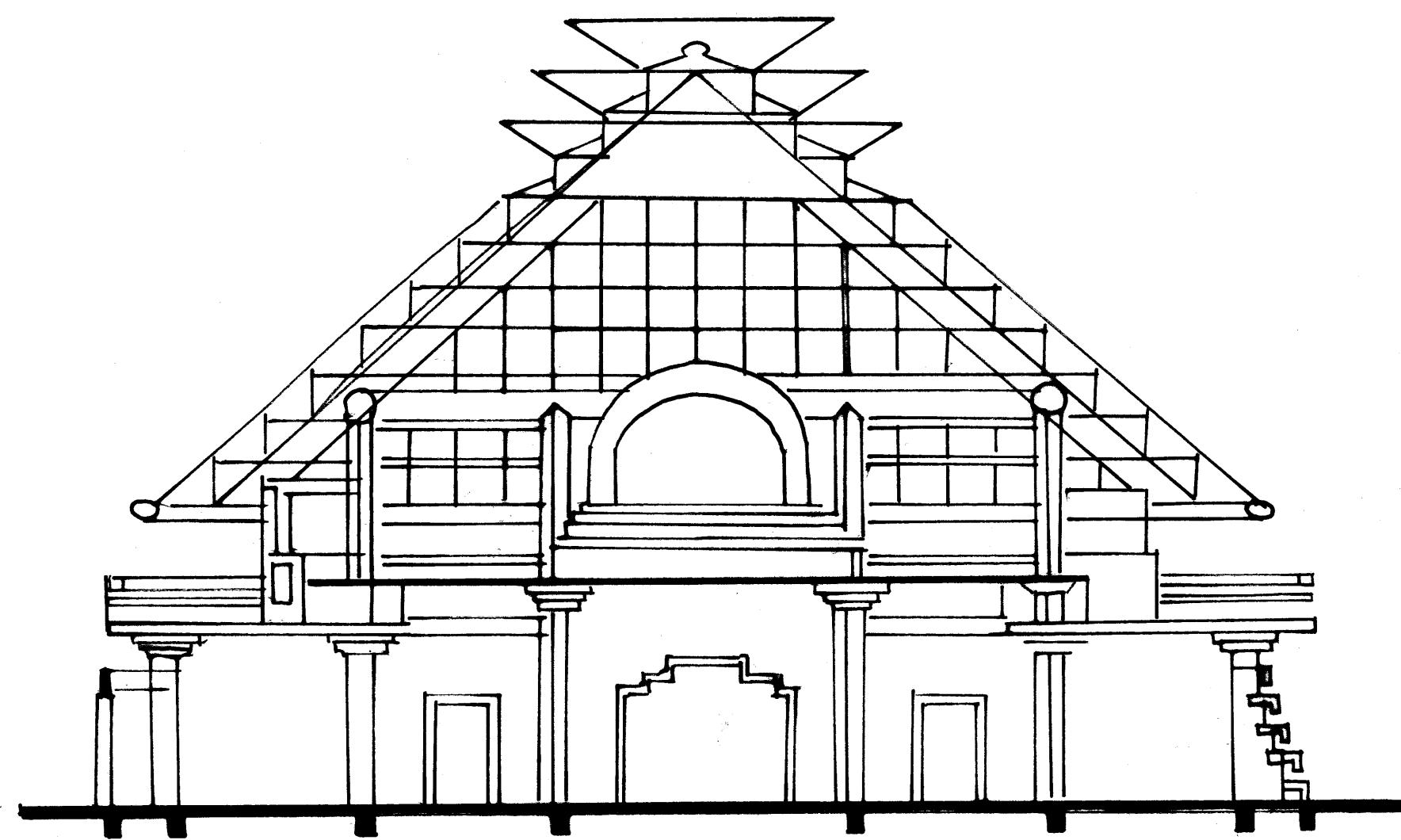
Plan

PRECEDENT STUDY --CHEE TONG TEMPLE



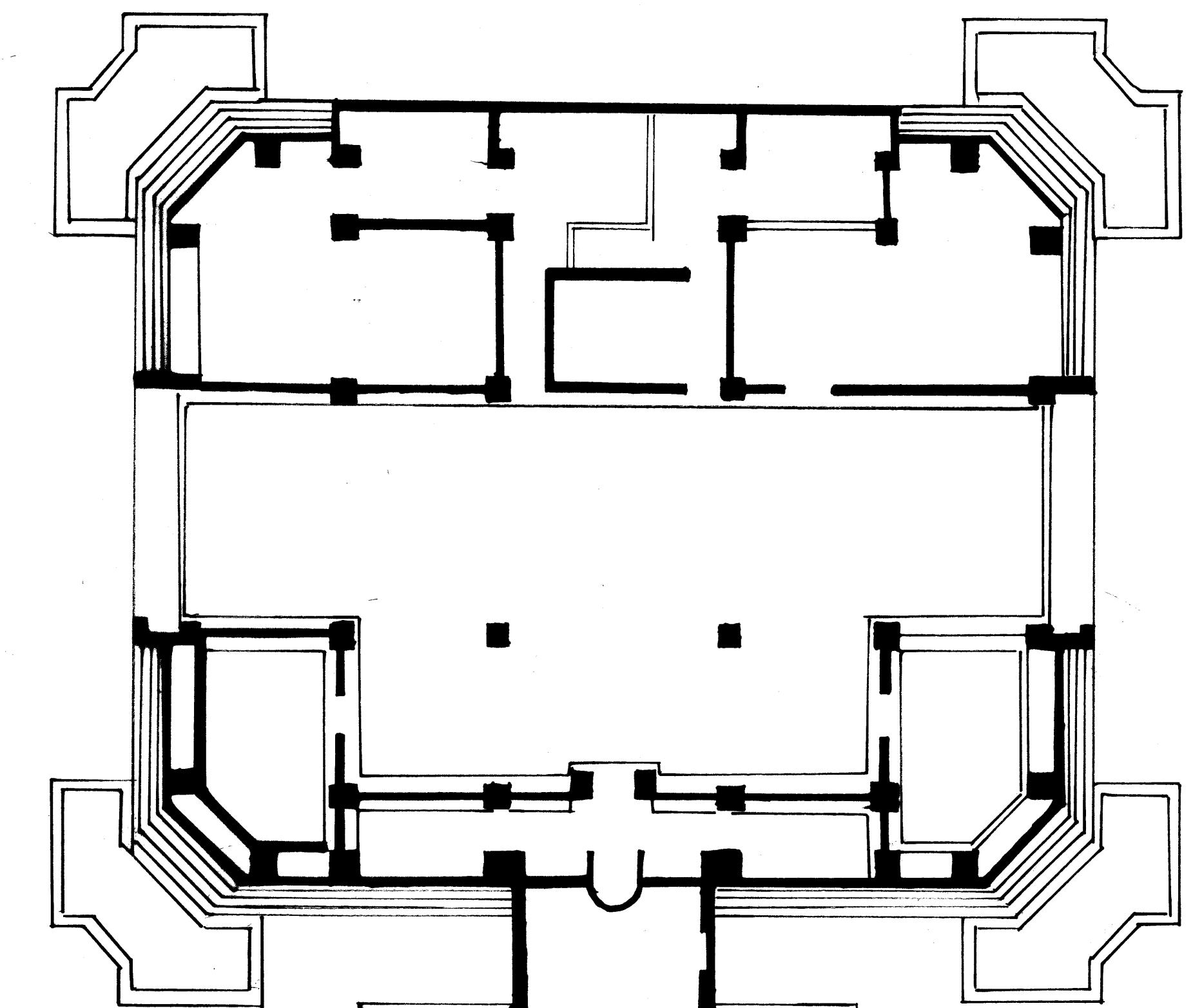
ELEVATION

1:200



SECTION

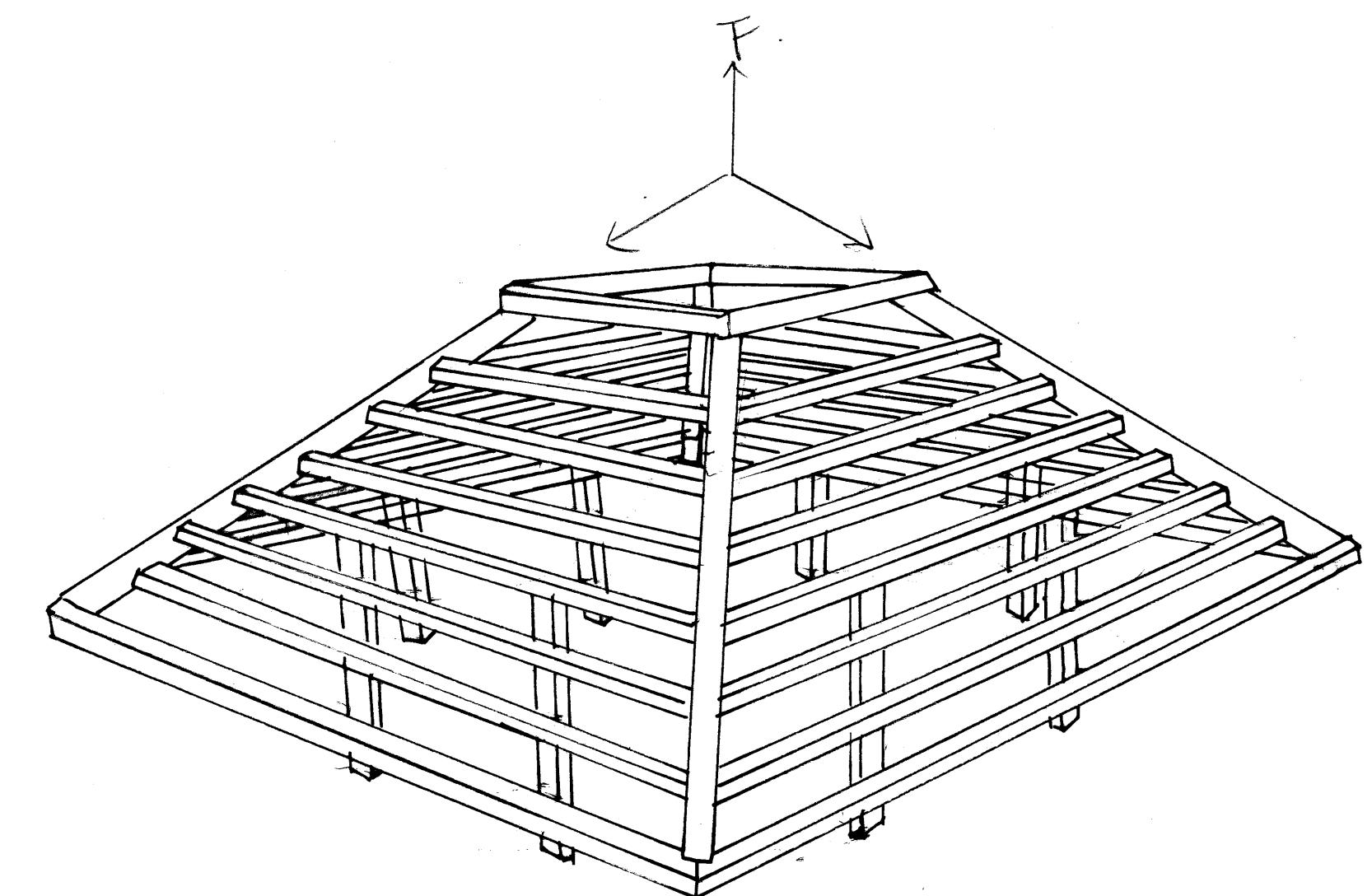
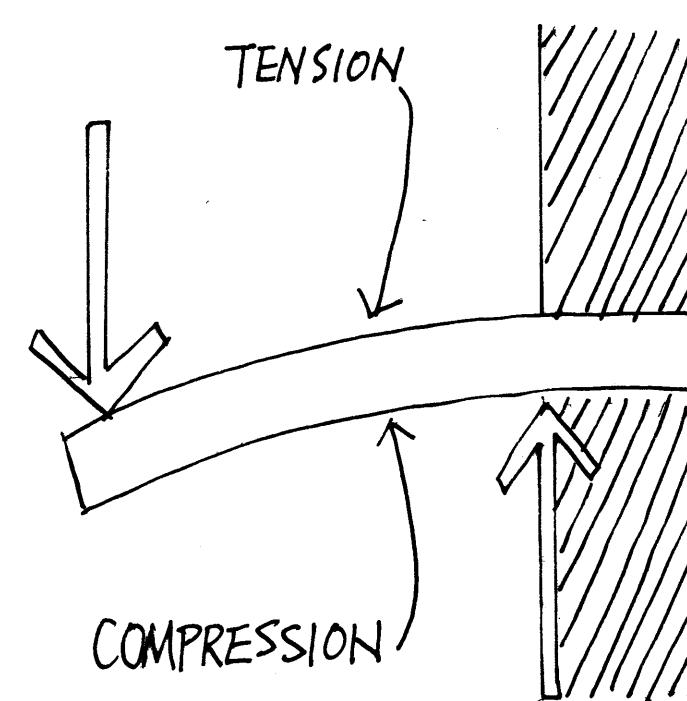
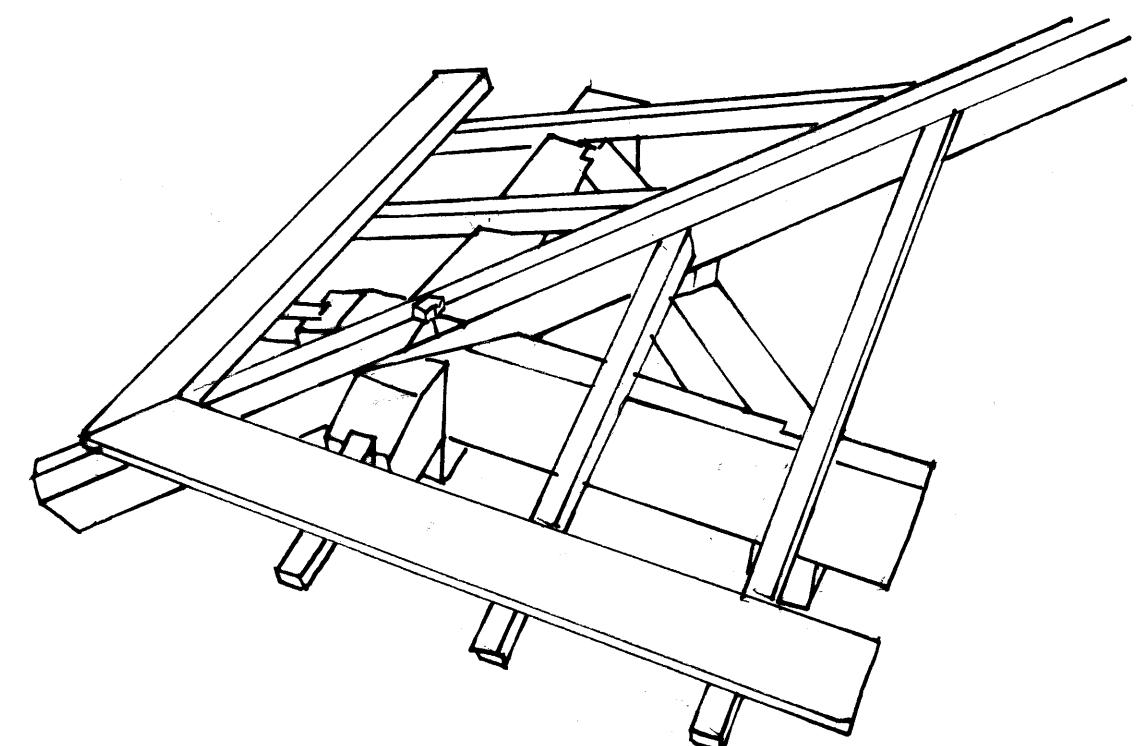
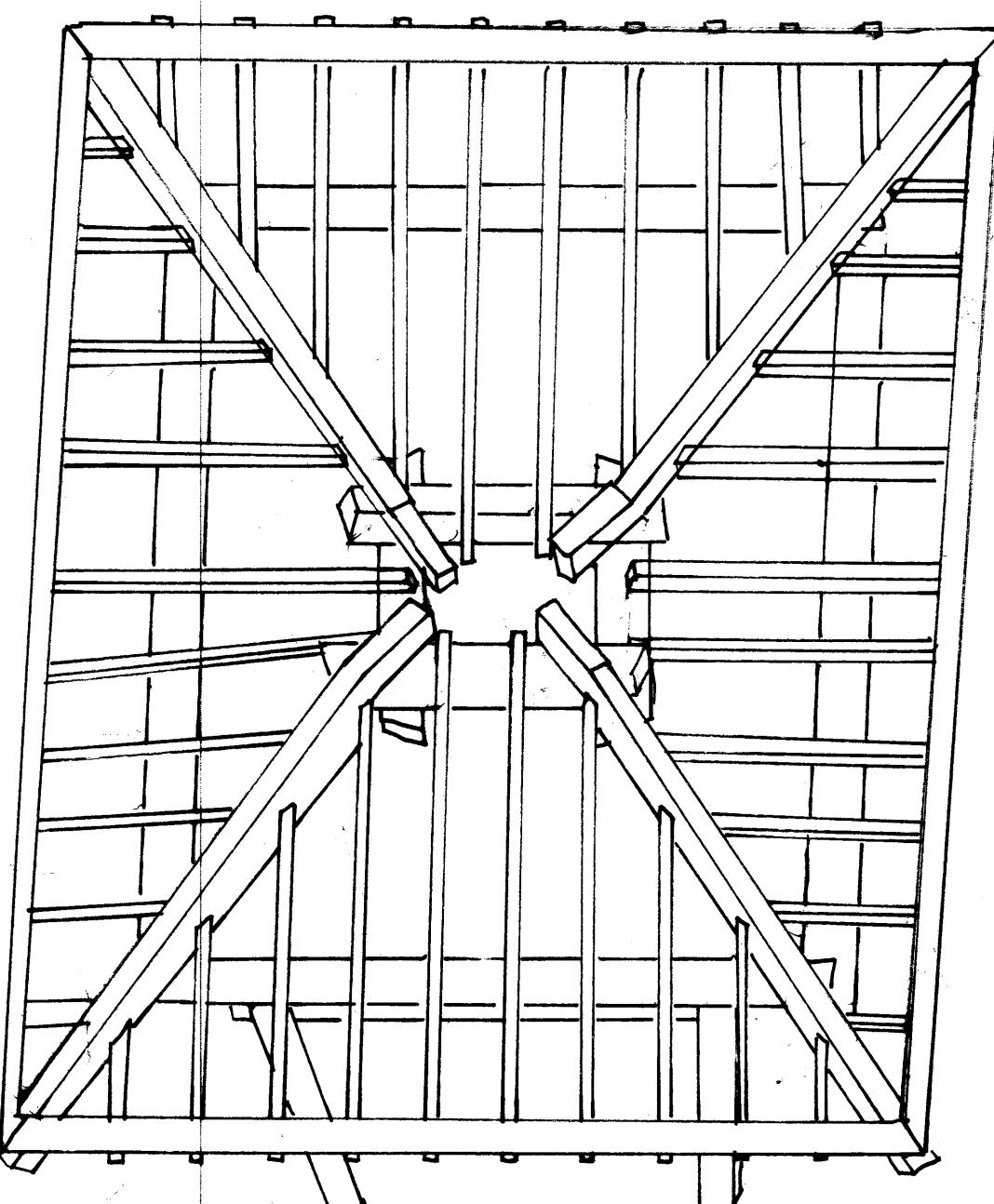
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PLAN

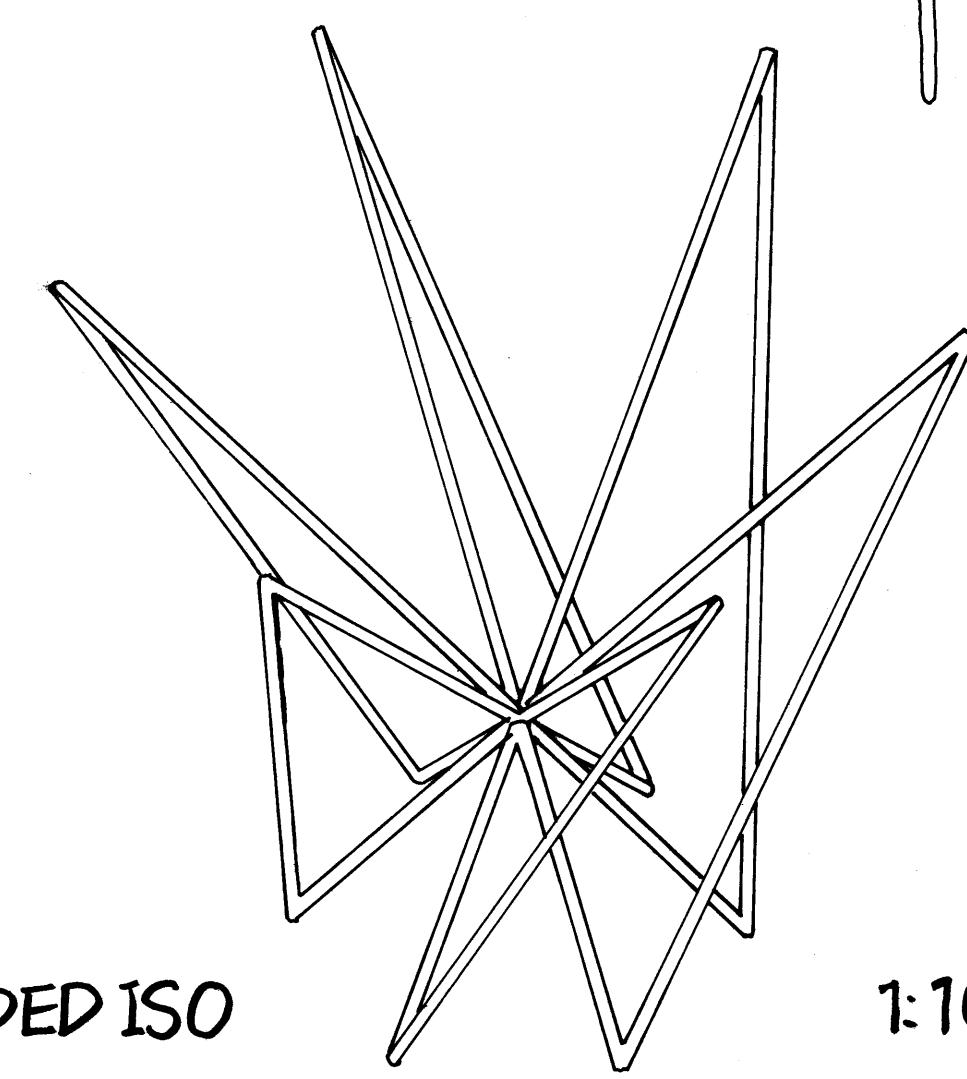
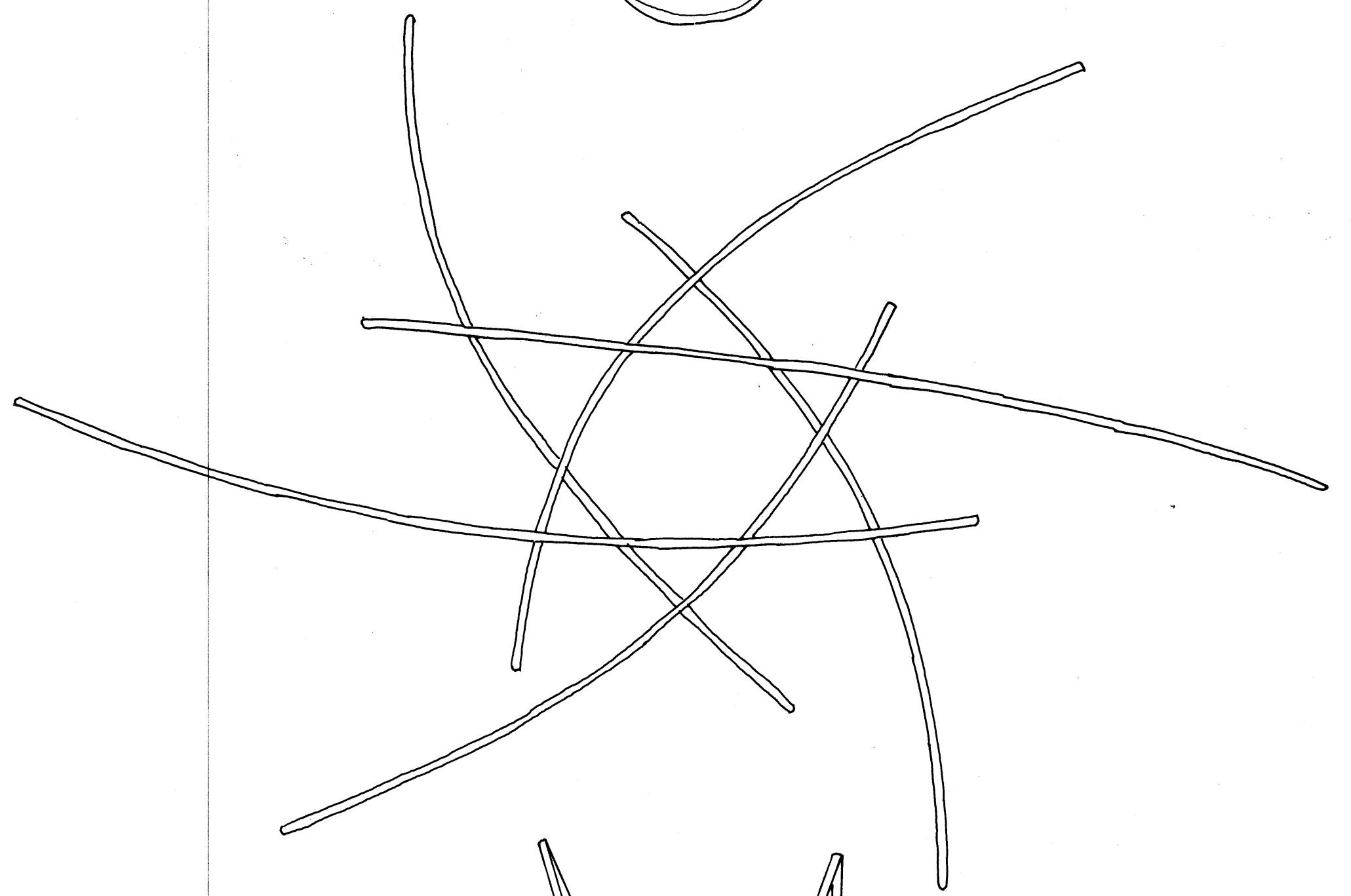
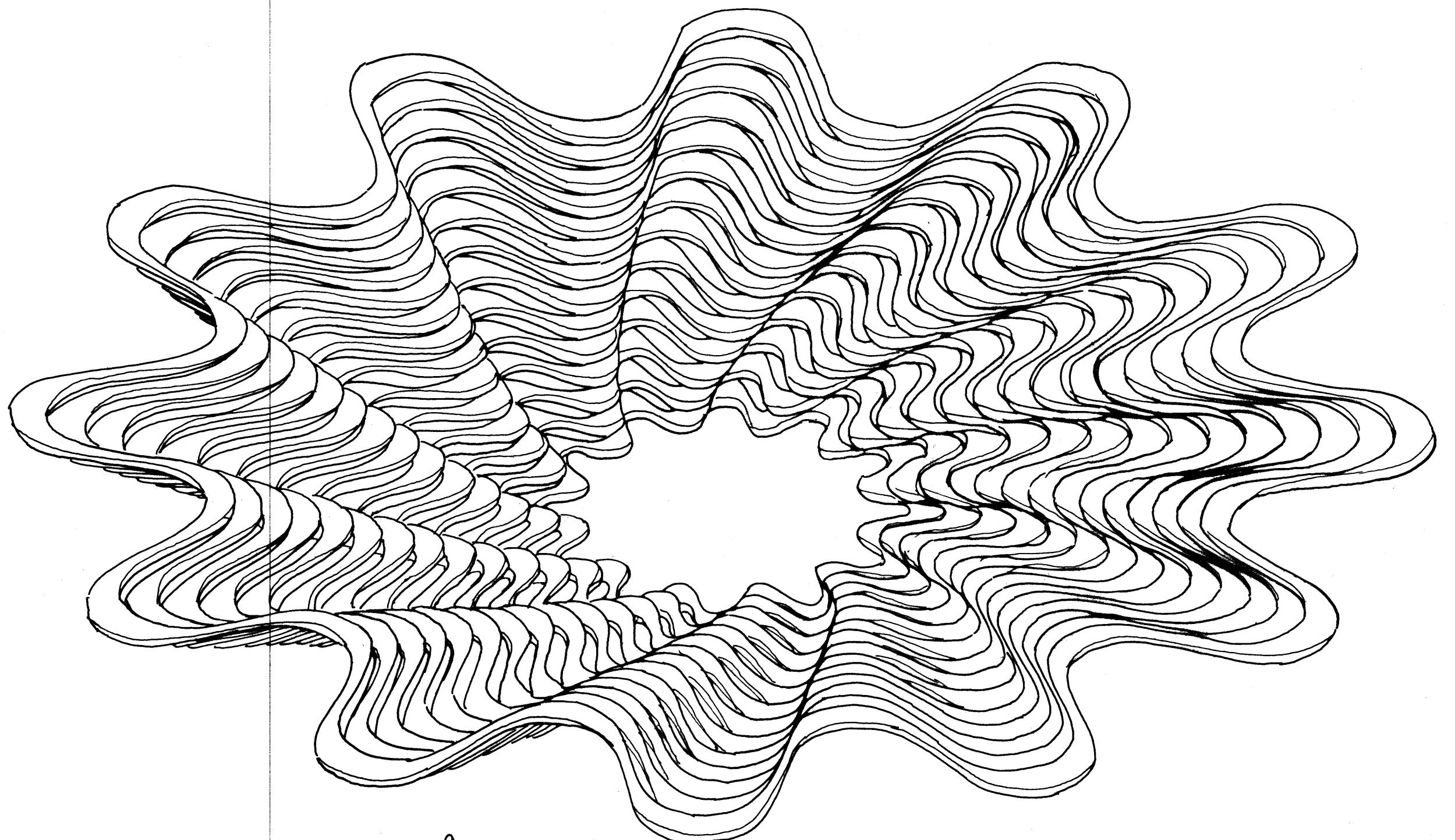
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REGULAR HIP ROOF CONSTRUCTION



FORCE ANALYSIS

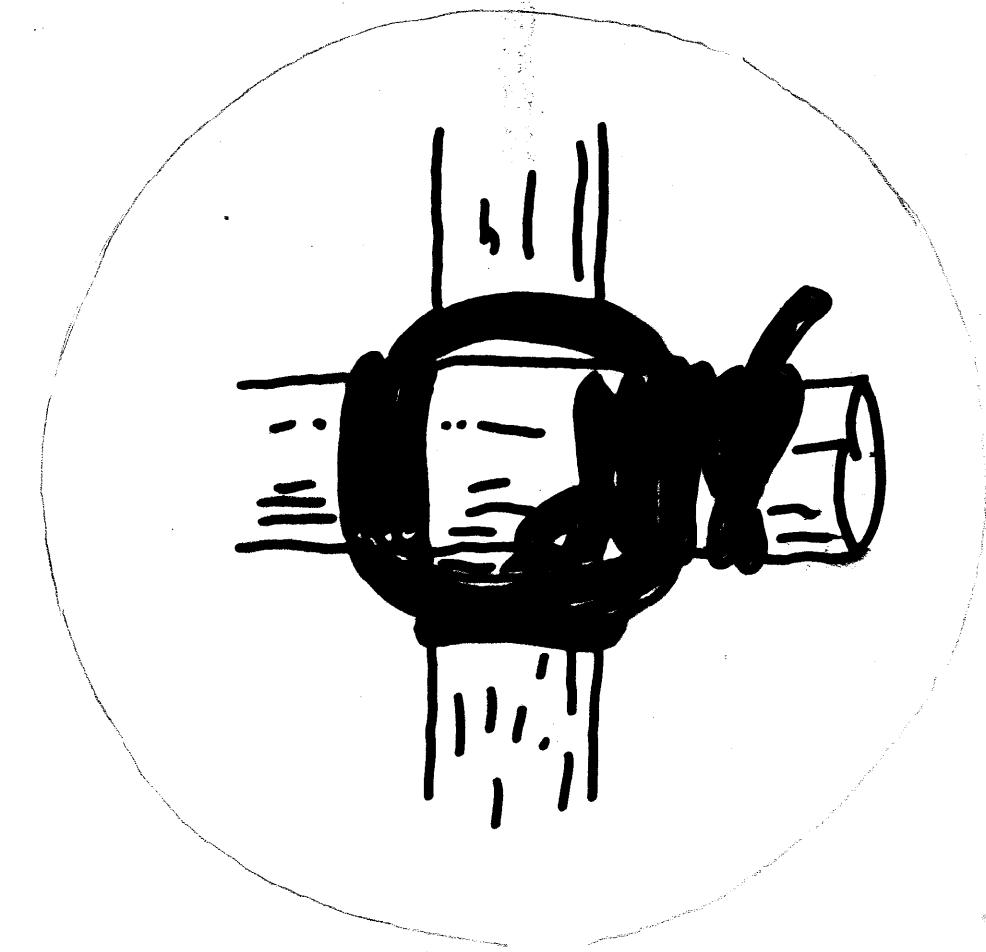
BAMBOO



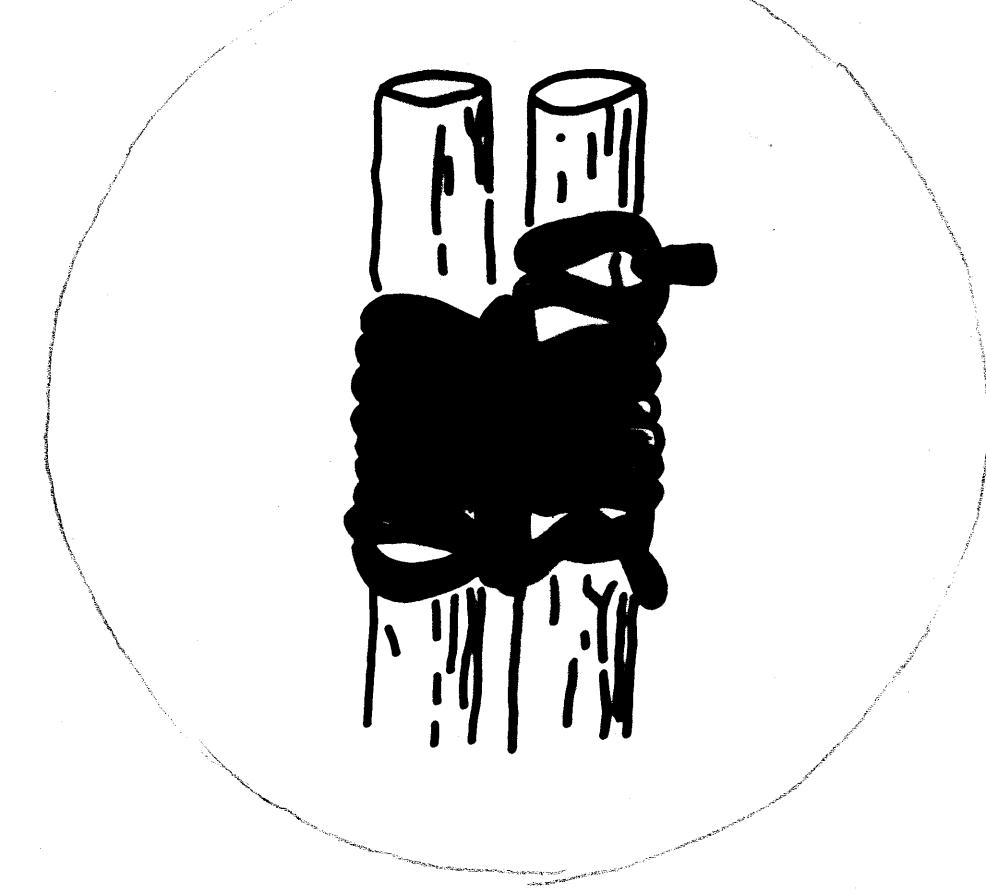
EXPLODED ISO

1:100

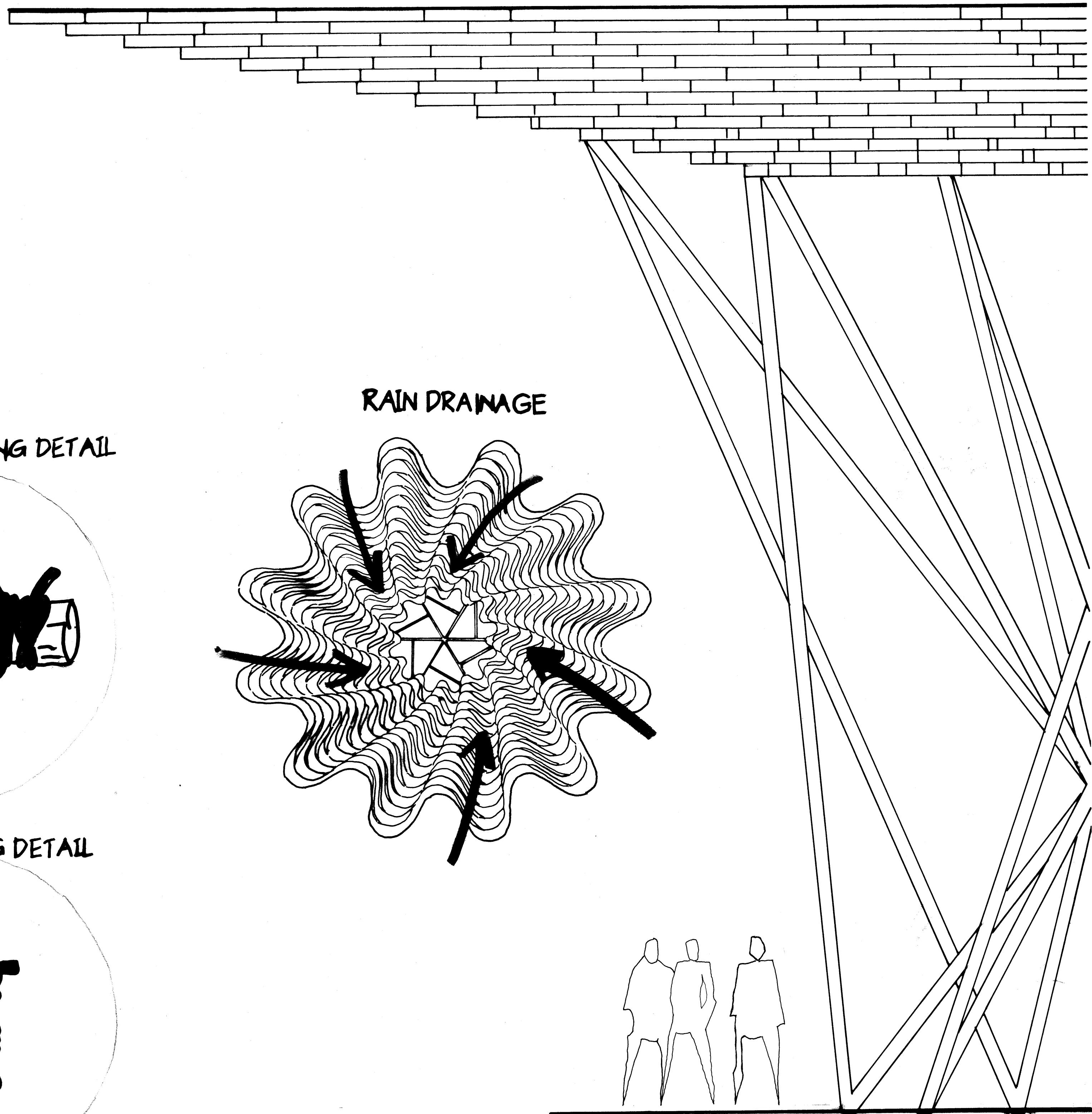
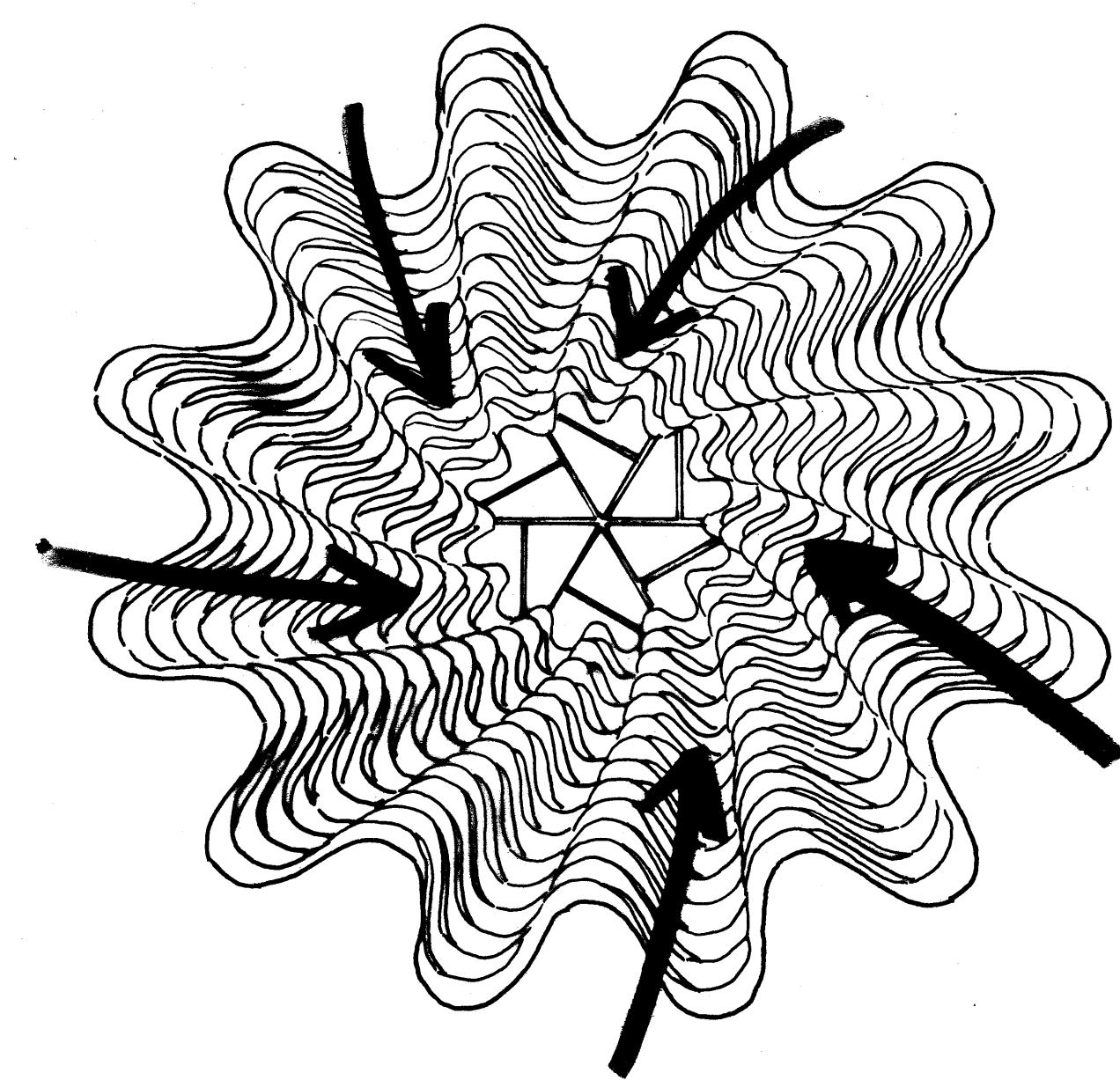
SQUARE LASHING DETAIL



SHEER LASHING DETAIL

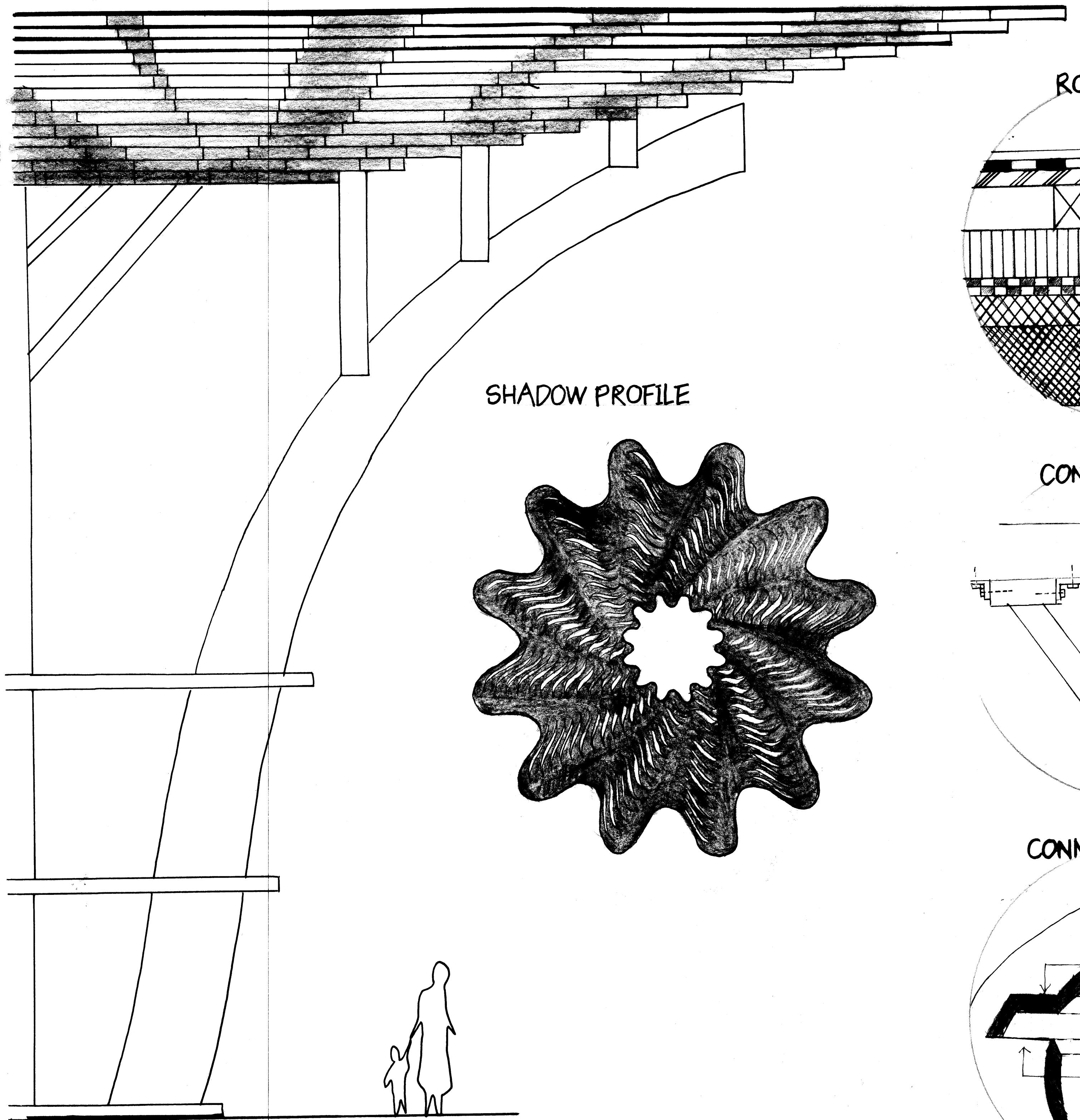


RAIN DRAINAGE

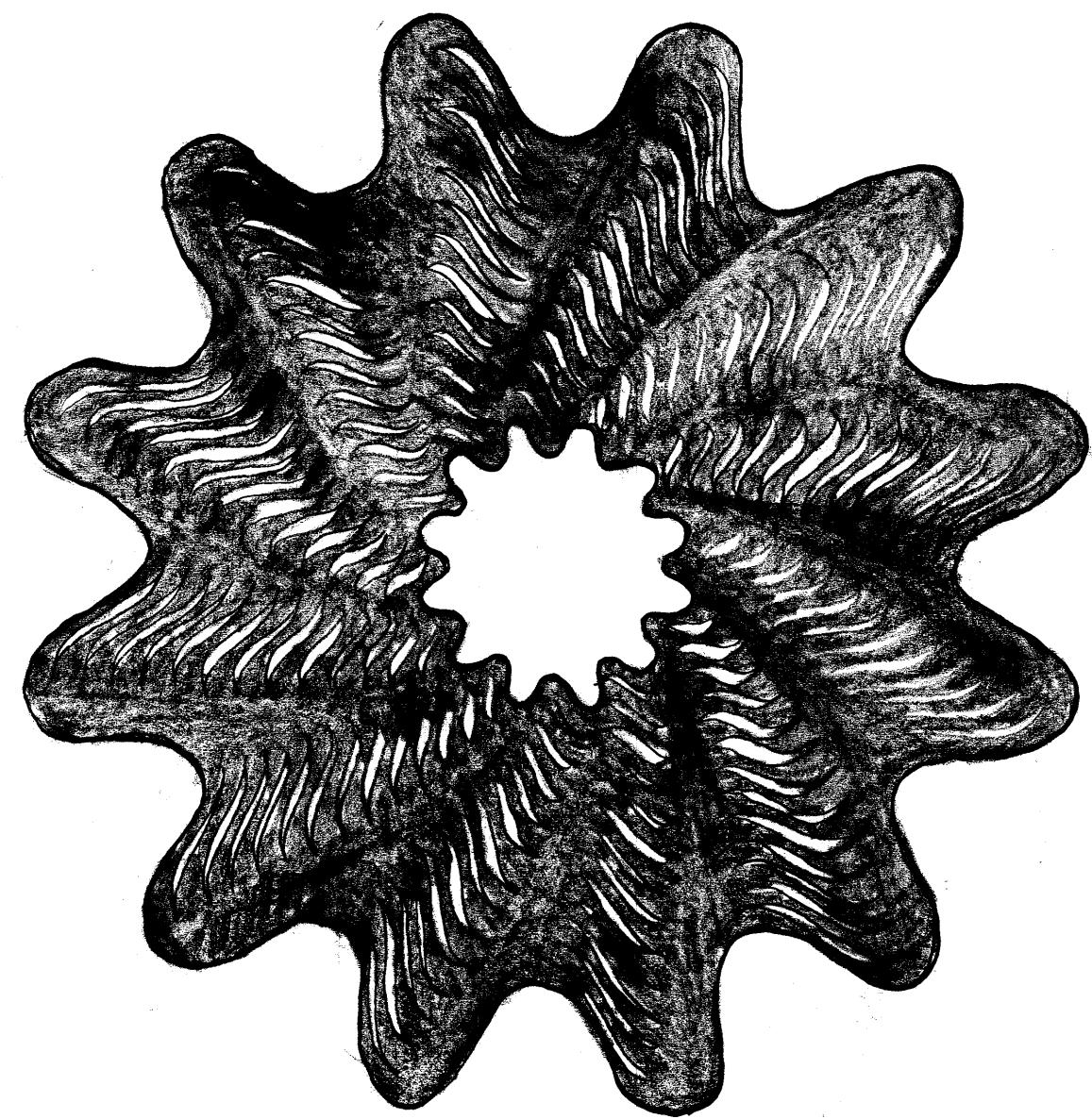


ELEV

STEEL



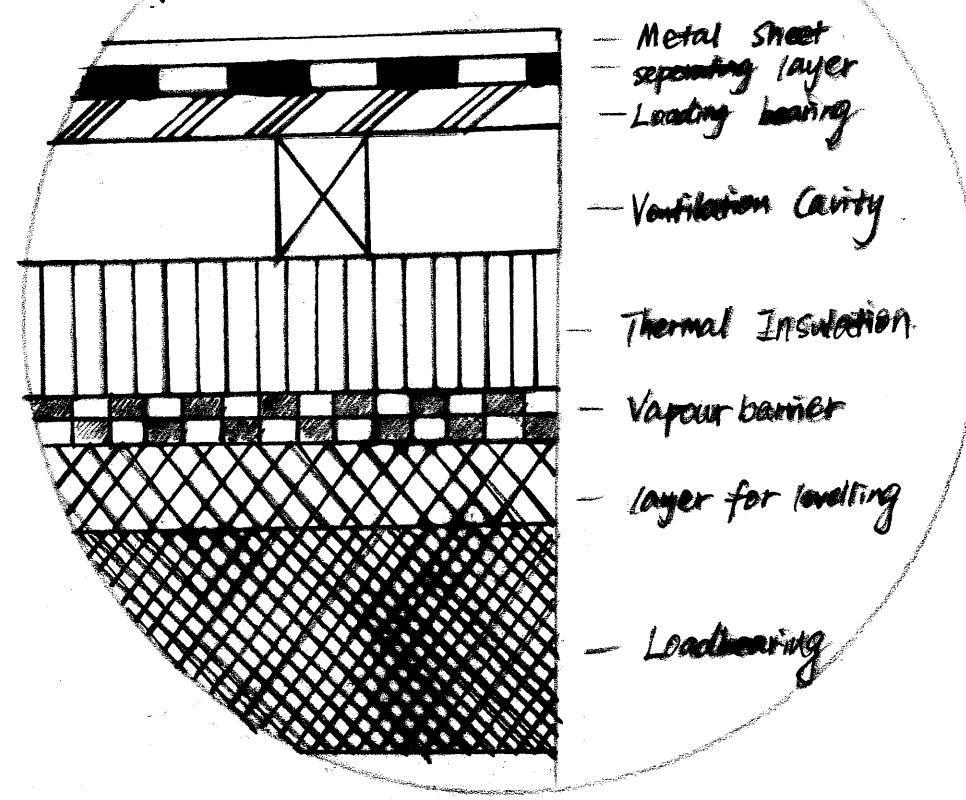
SHADOW PROFILE



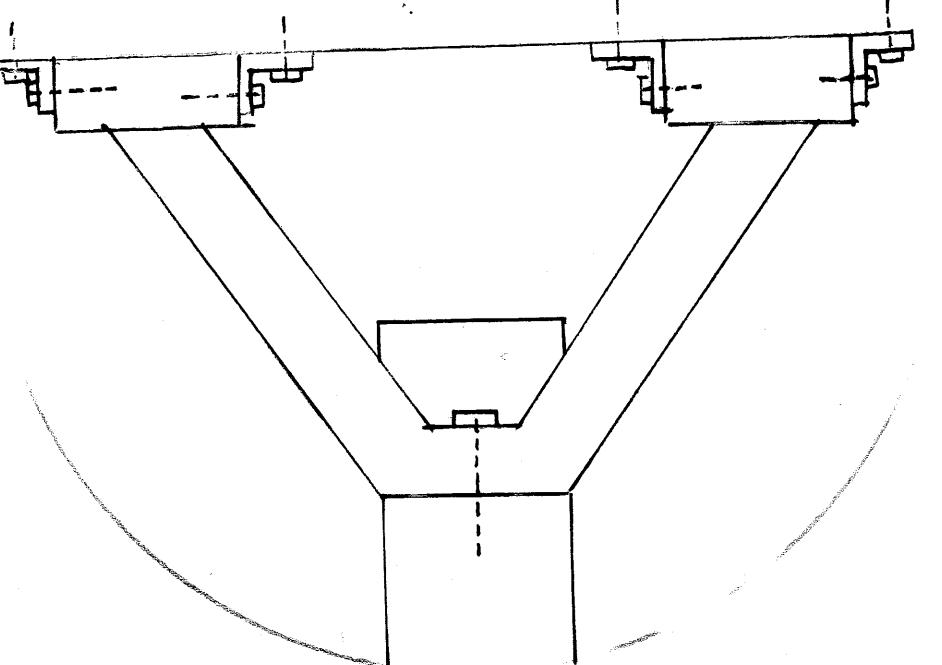
'ATION

1:20

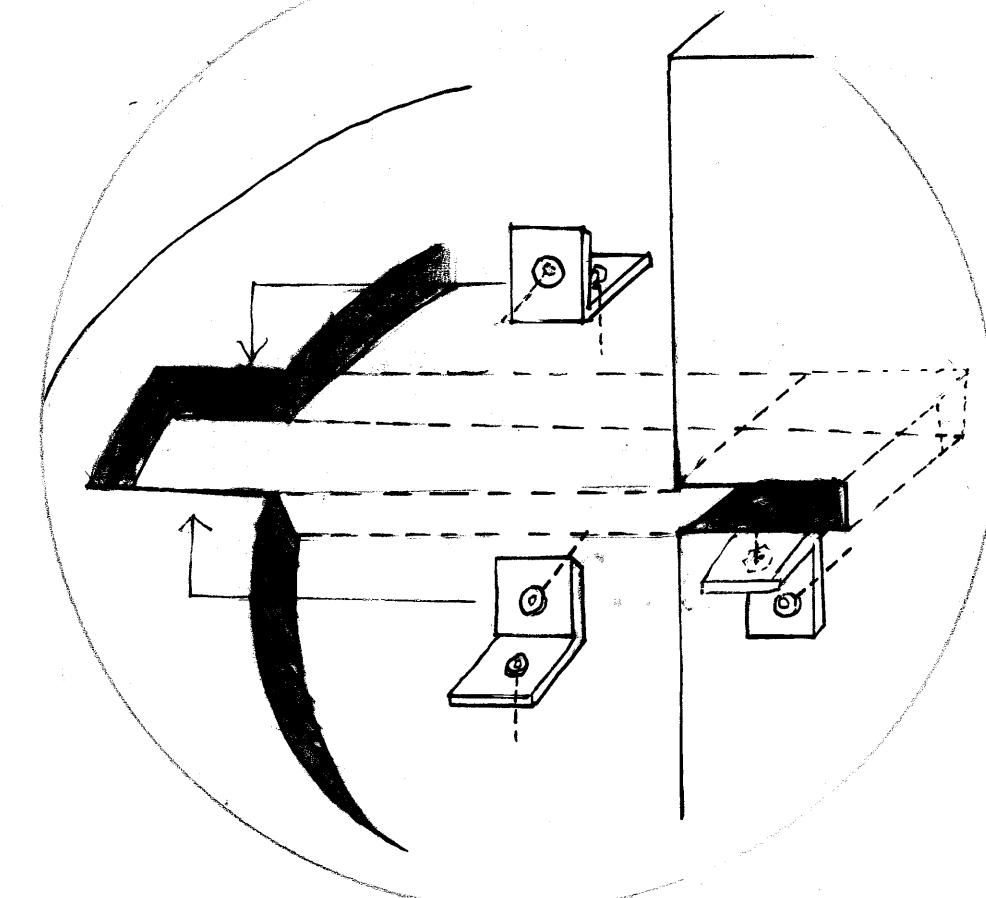
ROOF MATERIAL



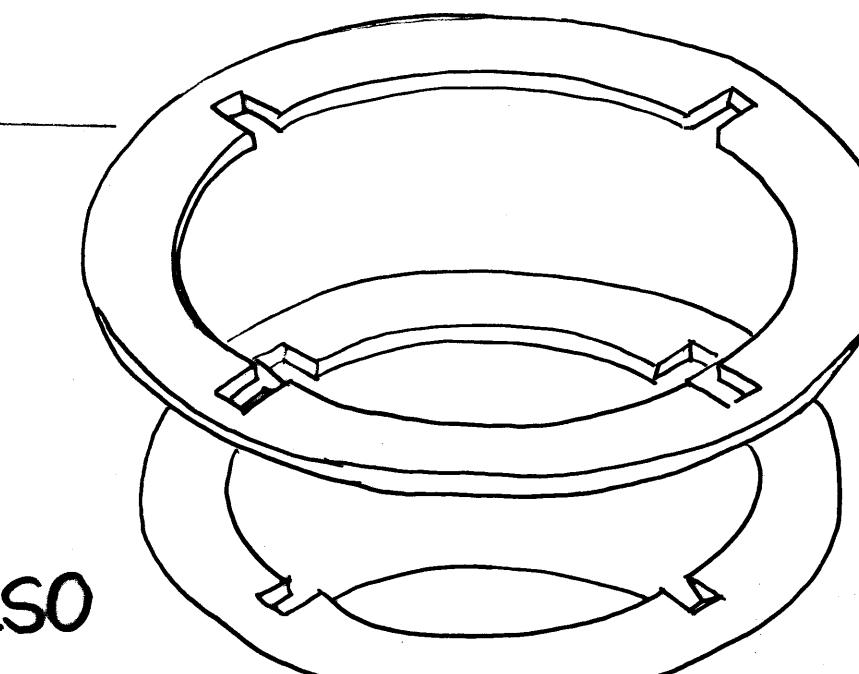
CONNECTION DETAIL 1



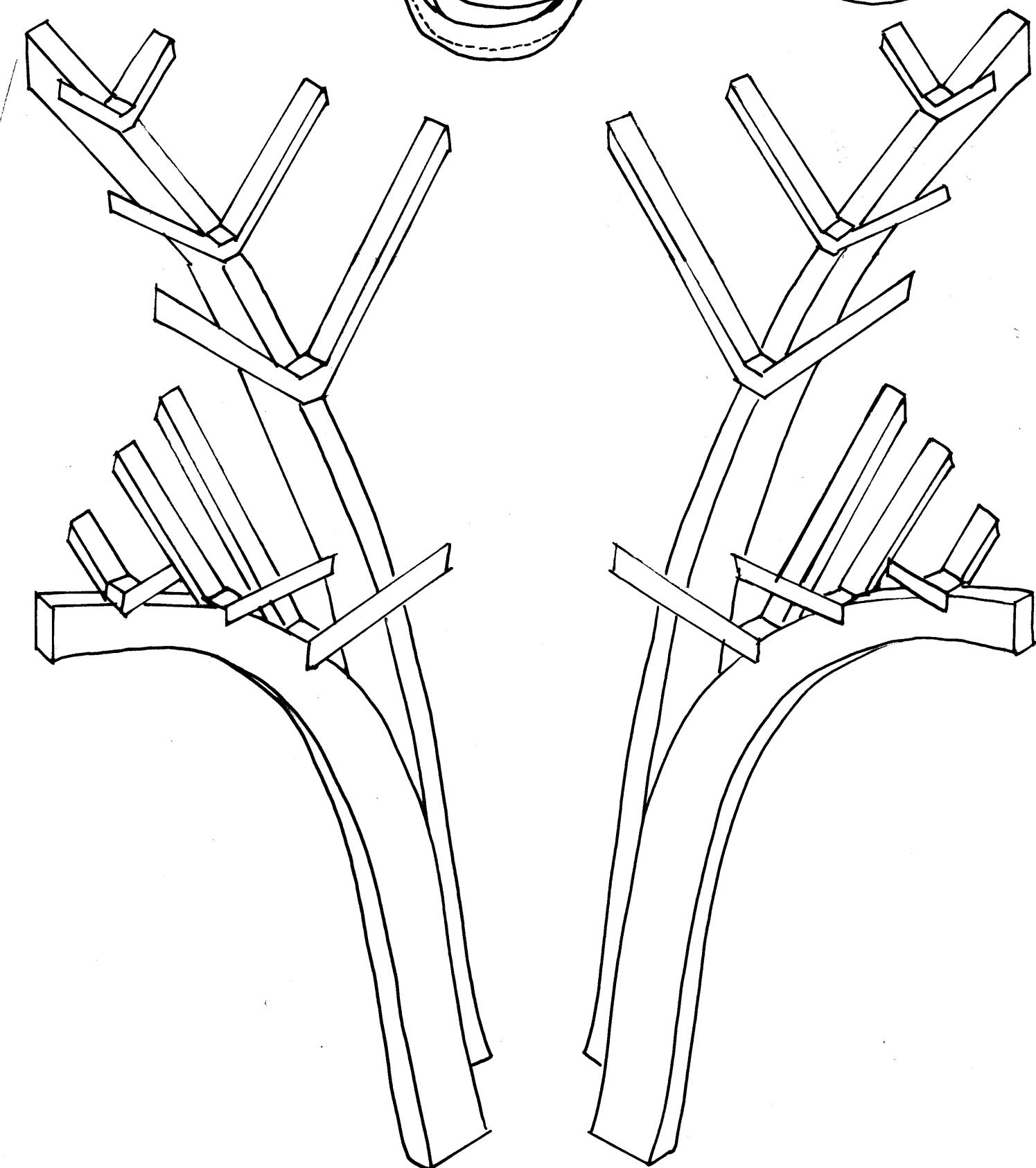
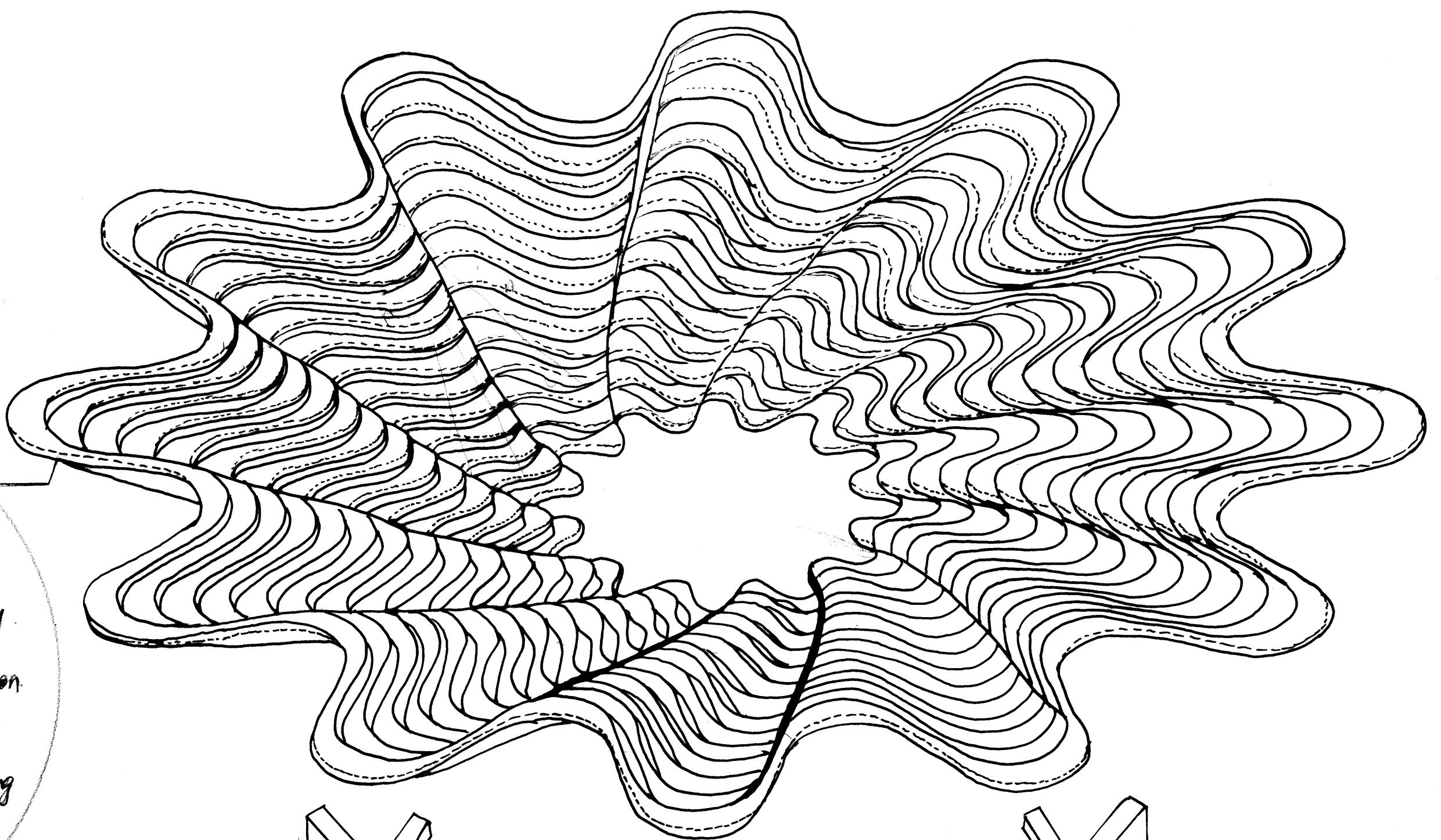
CONNECTION DETAIL 2



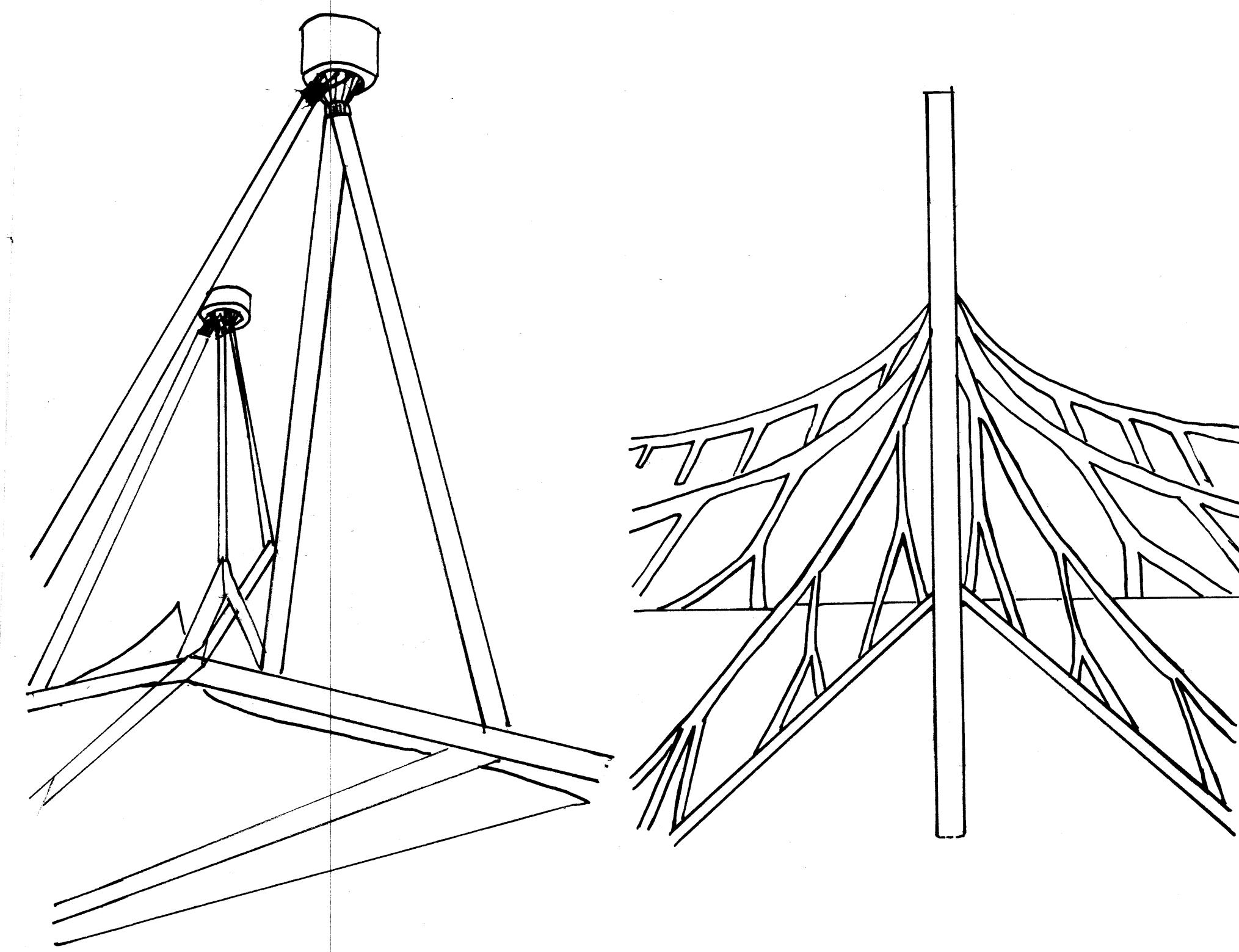
EXPLDED ISO



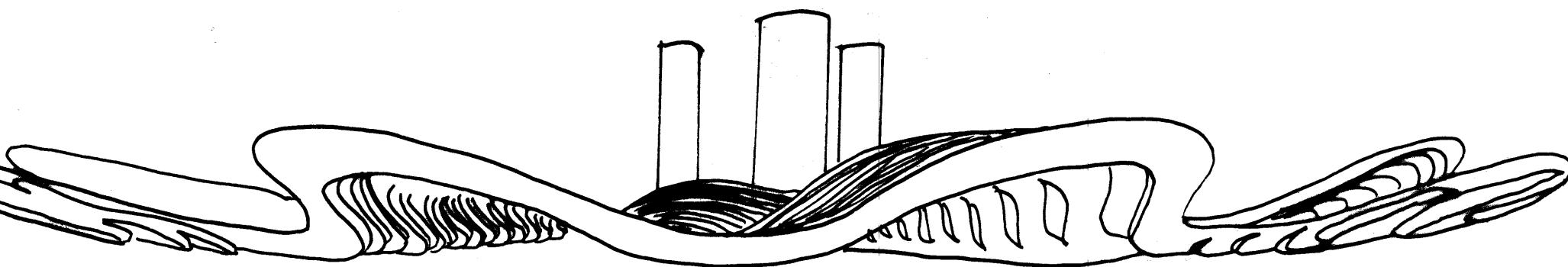
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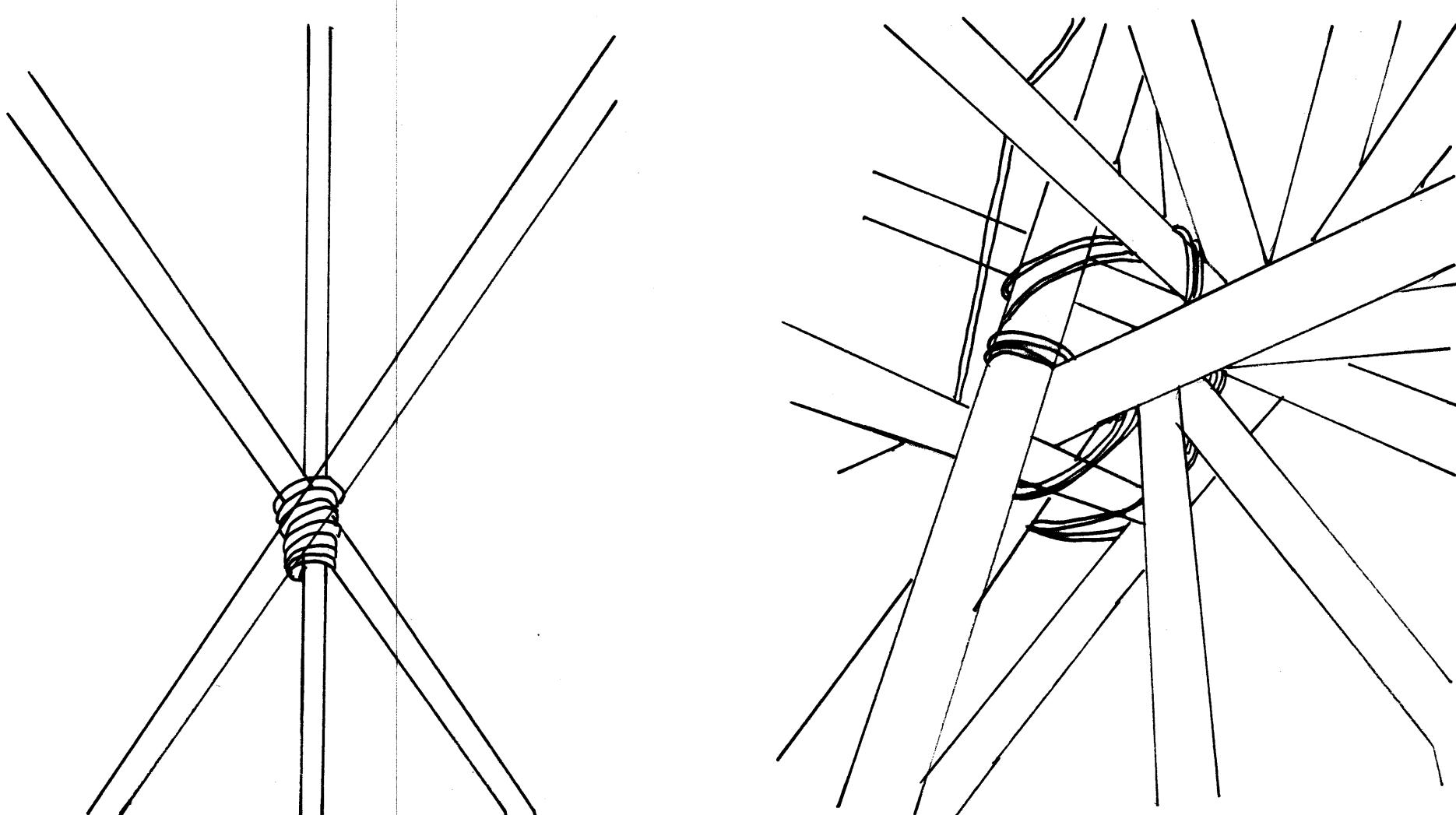
CONCEPT DEVELOPMENT



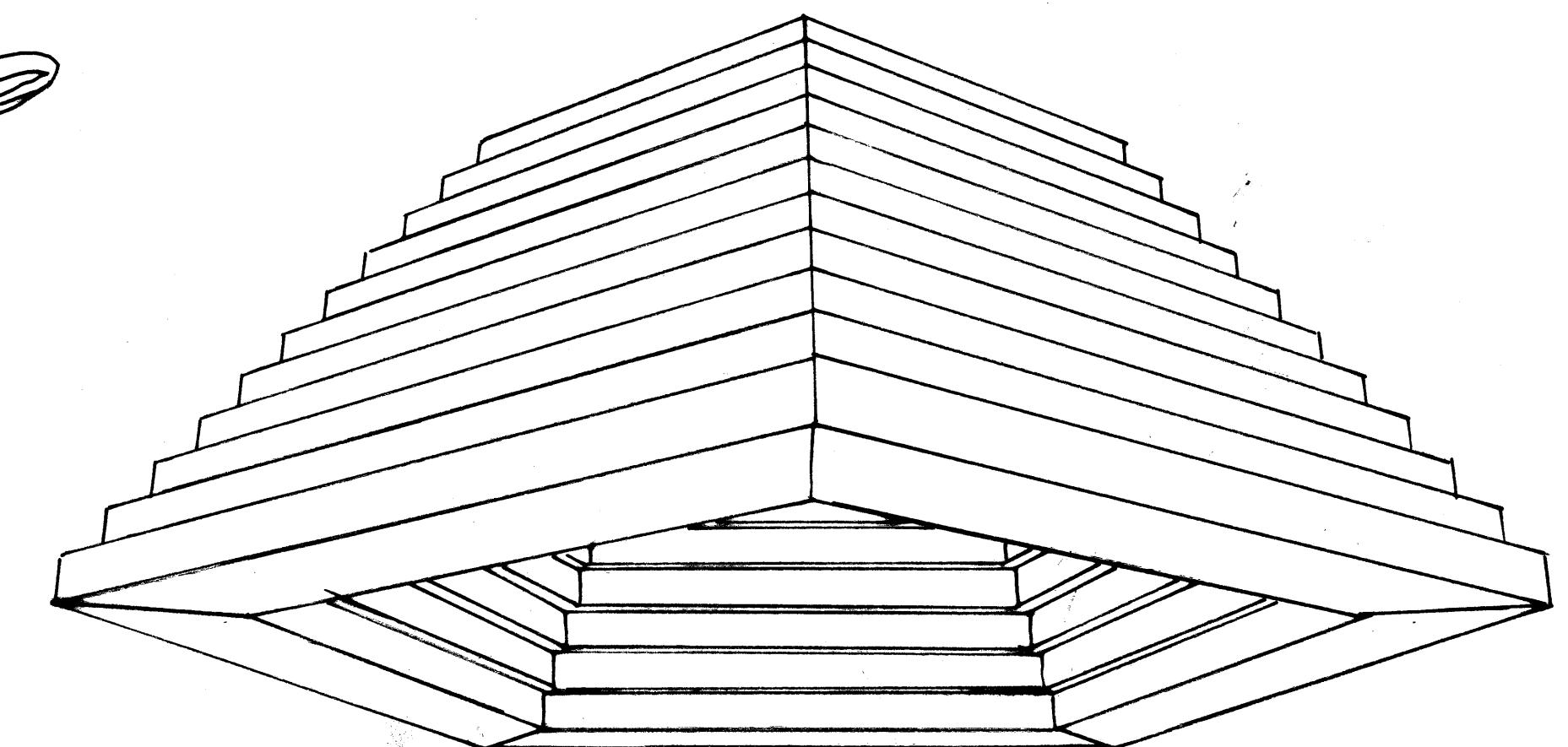
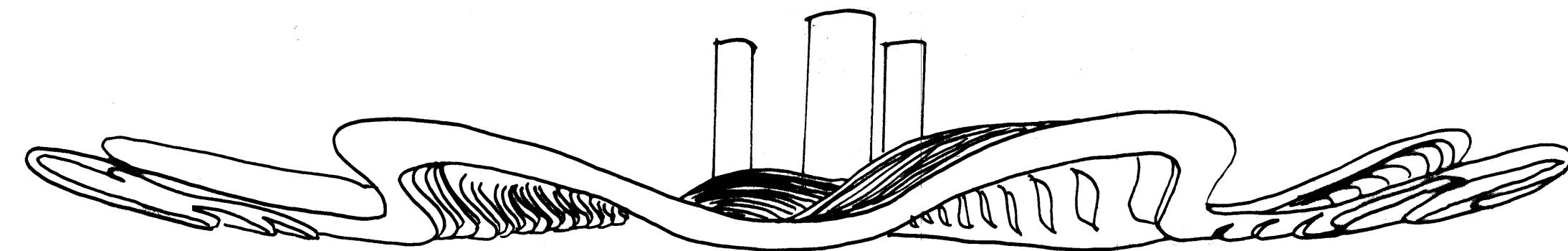
STEEL STRUCTURE-RIGID



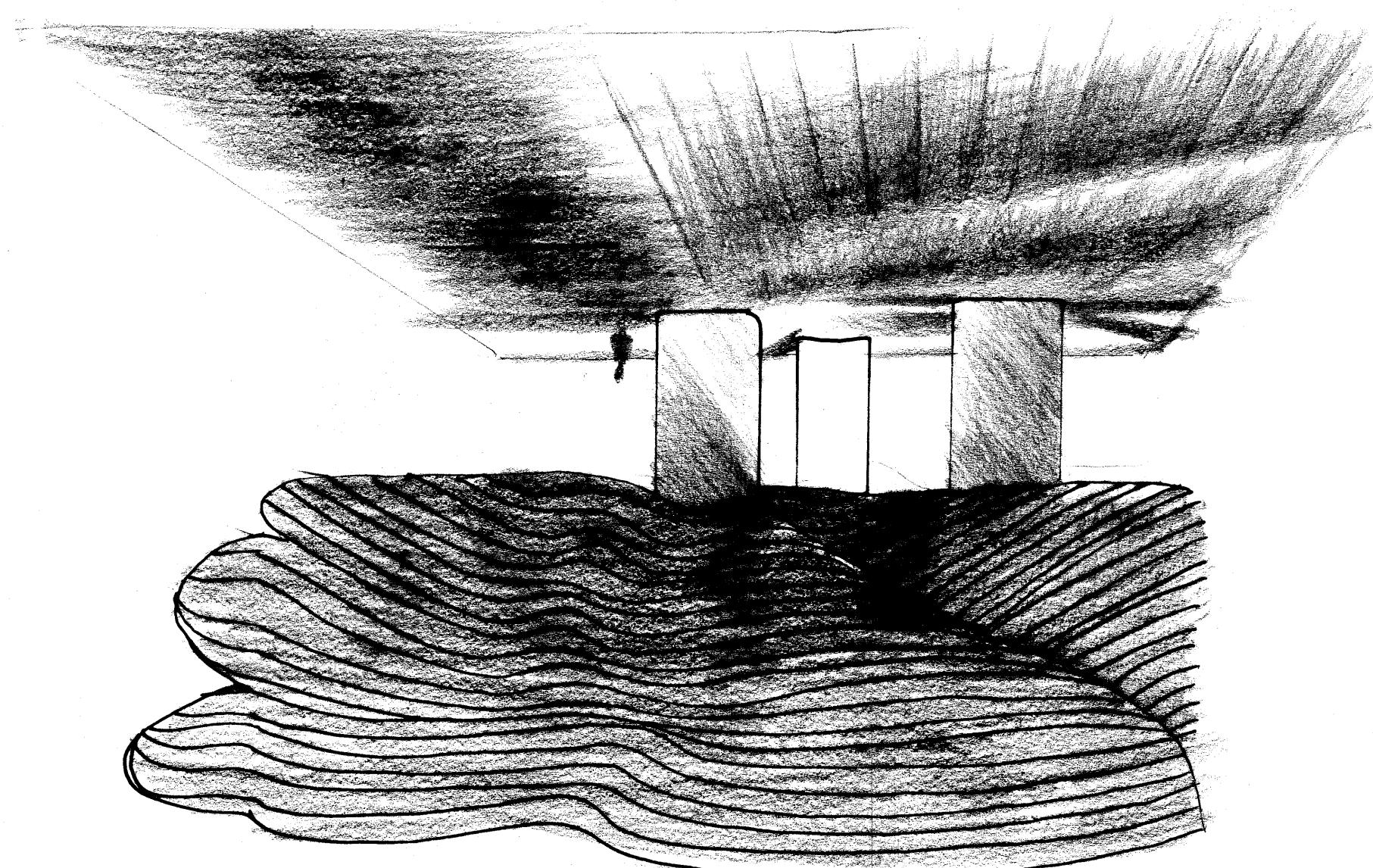
BAMBOO STRUCTURE-FLEXIBLE



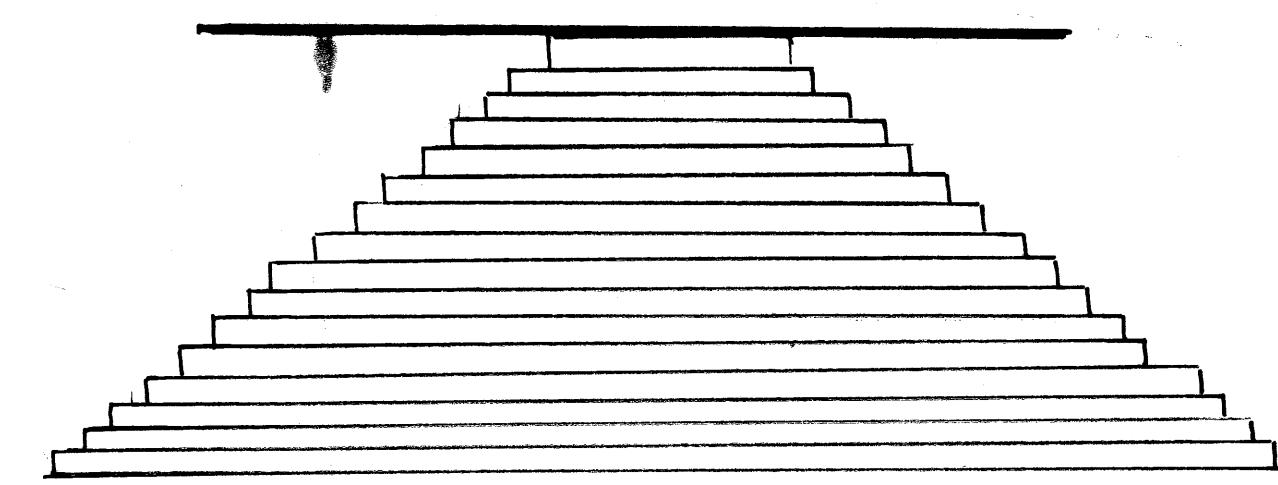
ONLY FEASIBLE IN CONCRETE
MONOLITHIC STRUCTURE
HENCE, A NEED FOR STRUCTURE
TO SUPPORT ROOF



STUDY MODEL 1



STUDY MODEL 3



STUDY MODEL 2

