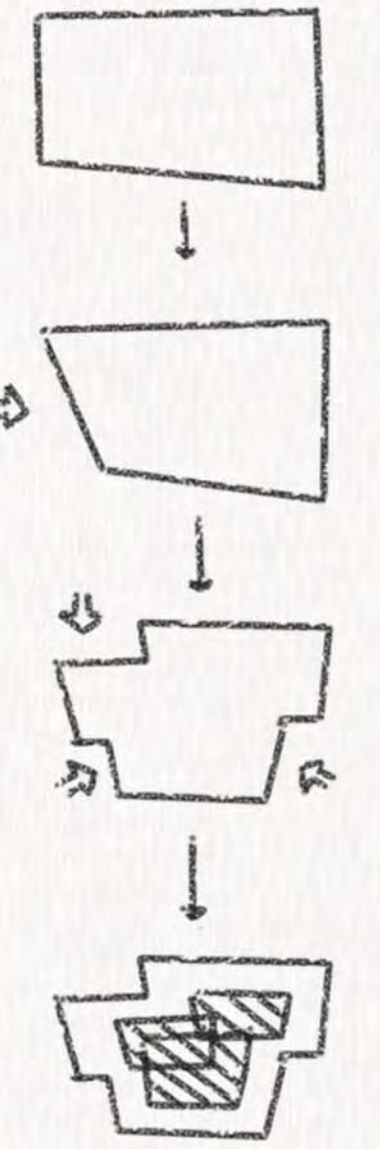


FIAT LUX

LET THERE BE LIGHT

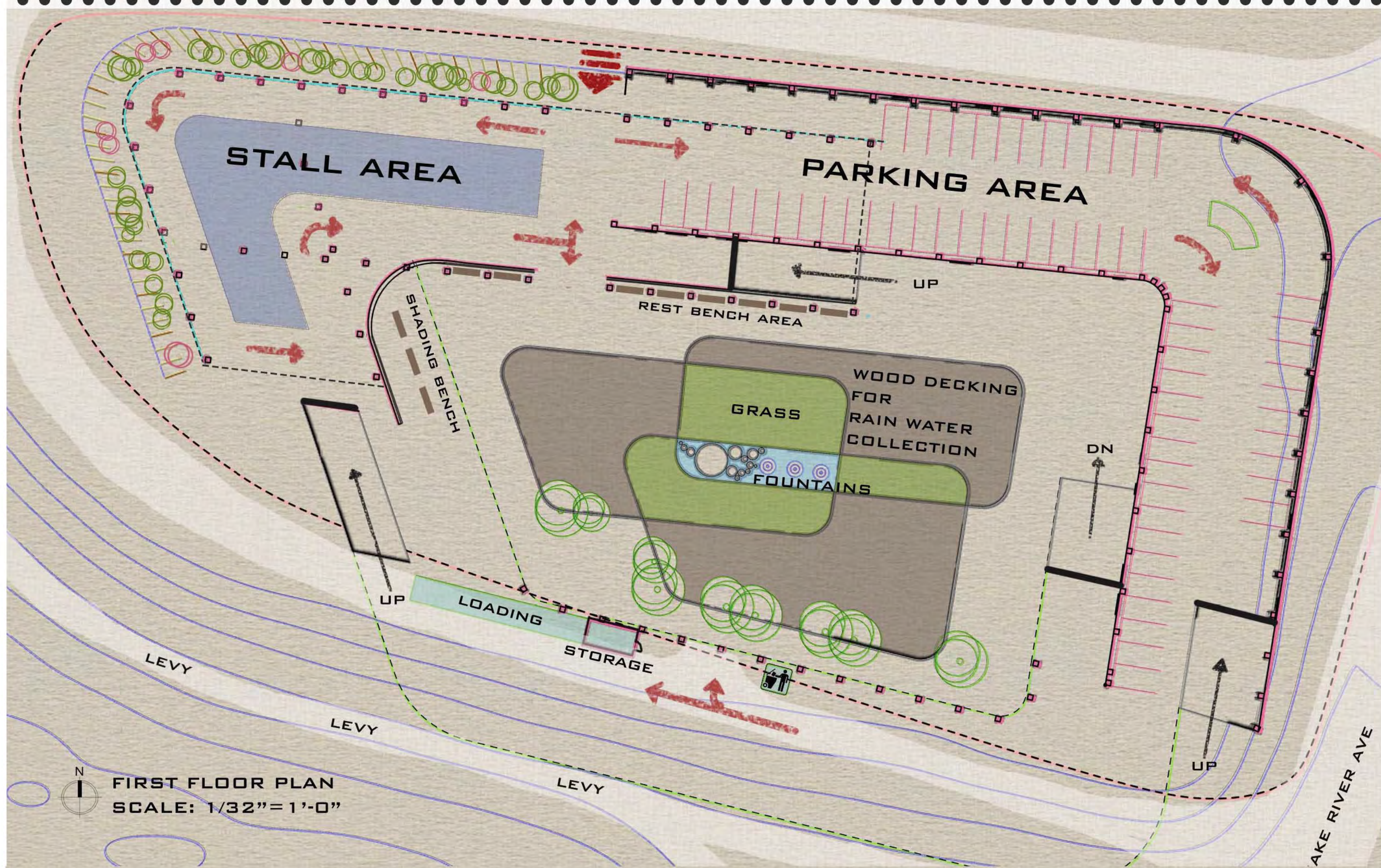
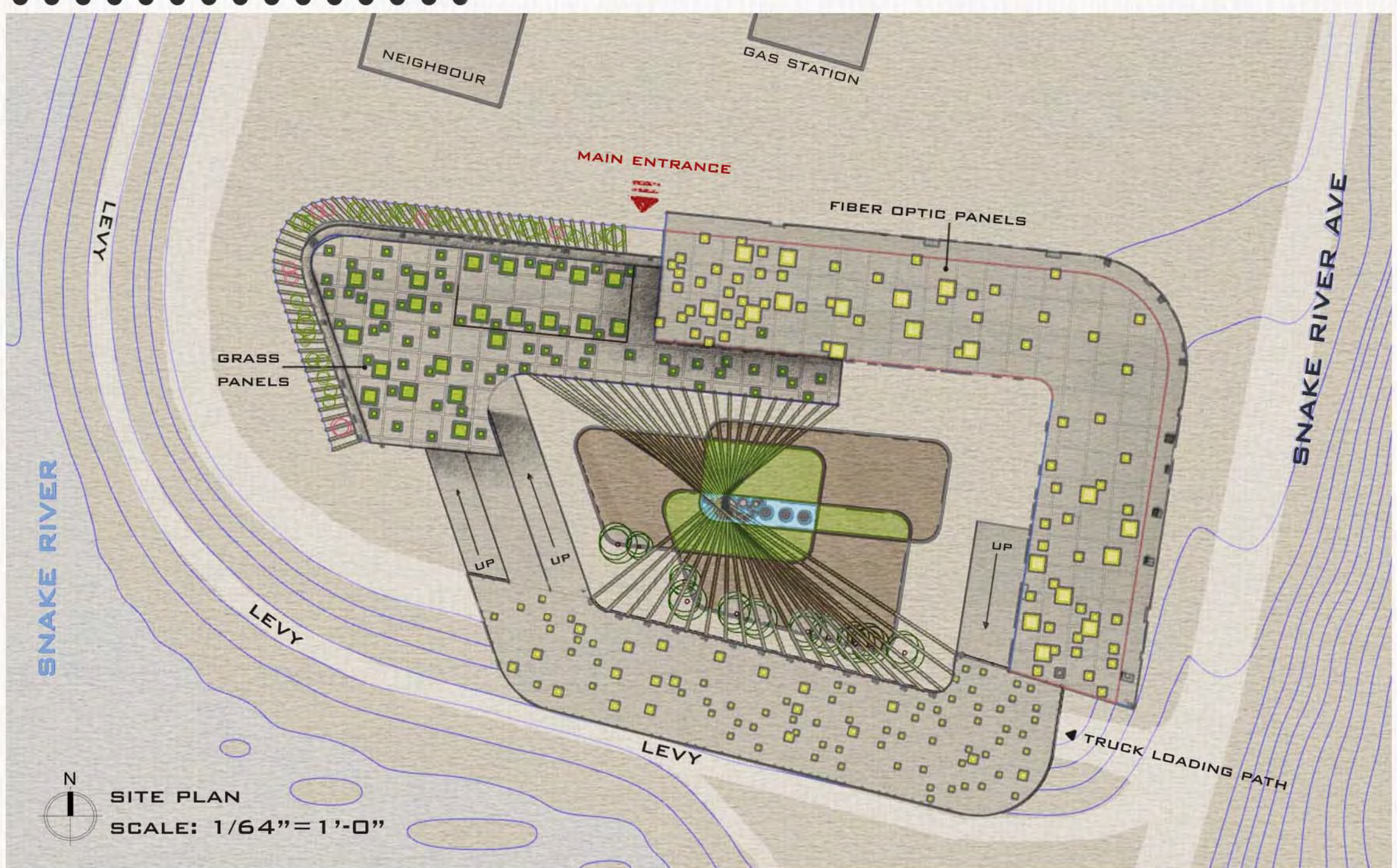
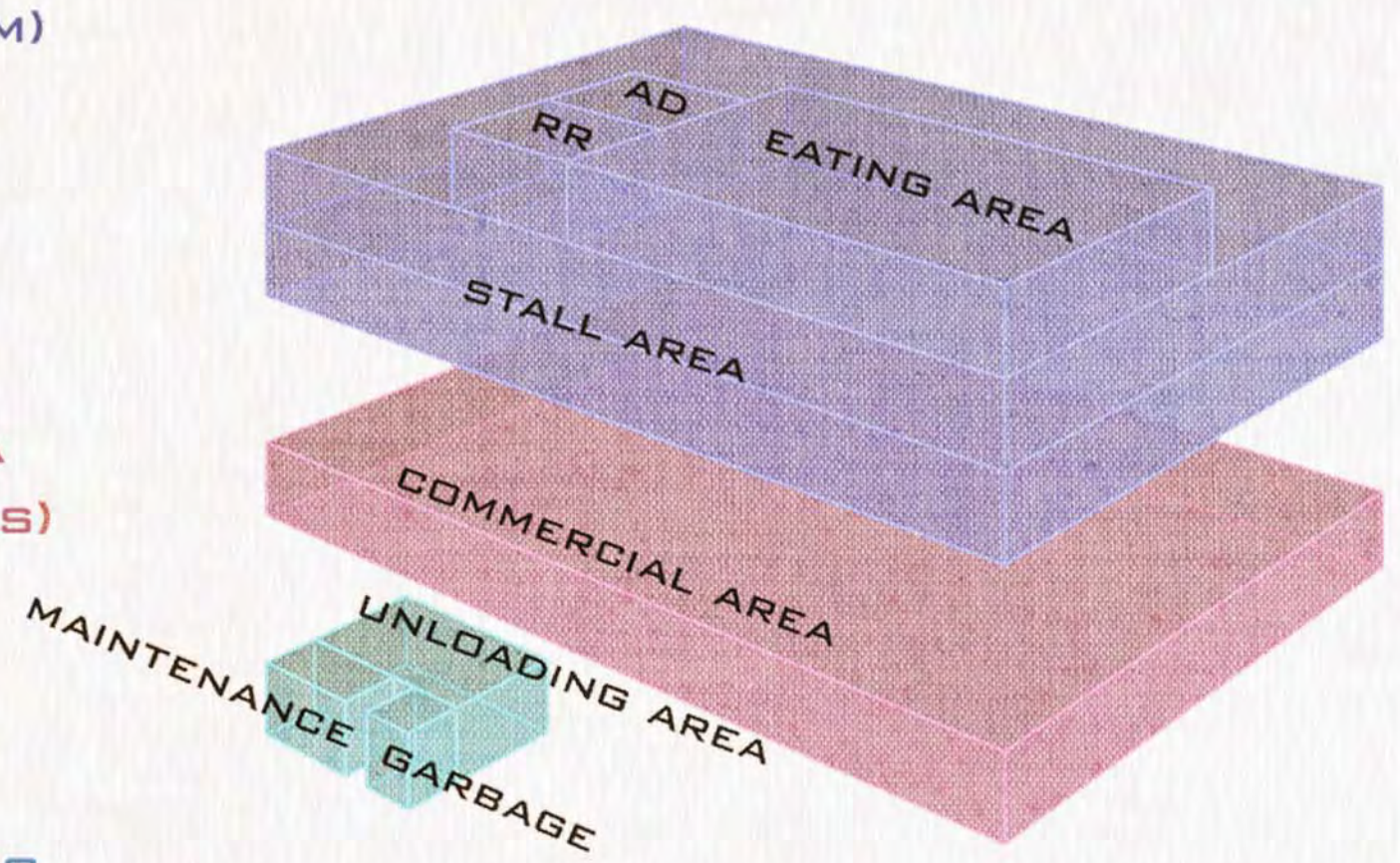
DESIGN INTENT:

CREATE A CITY MARKET THAT IS PLAYFUL AND PROVIDES AN ENVIRONMENT WHERE PEOPLE CAN ENJOY THEIR TIME WHETHER SHOPPING LEISURELY, MEETING WITH FRIENDS OR ON A QUICK TRIP TO THEIR FAVORITE STORE.

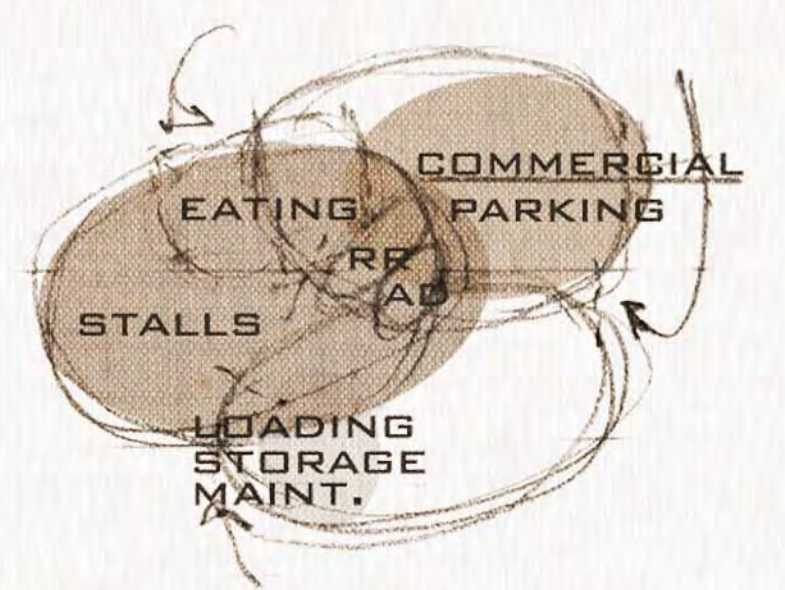


- MARKET AREA
- STALL AREA
- 30,000
- EATING AREA (MINIMUM)
- 4,000
- RESTROOMS
- 500
- ADMINISTRATION
- 500
- COMMERCIAL AREA
- PROPOSED FUNCTION(S)
- 15,000
- OTHER
- UNLOADING AREA
- 700
- GARBAGE & RECYCLING
- 100
- MAINTENANCE & STORAGE
- 200

PROGRAM DIAGRAM



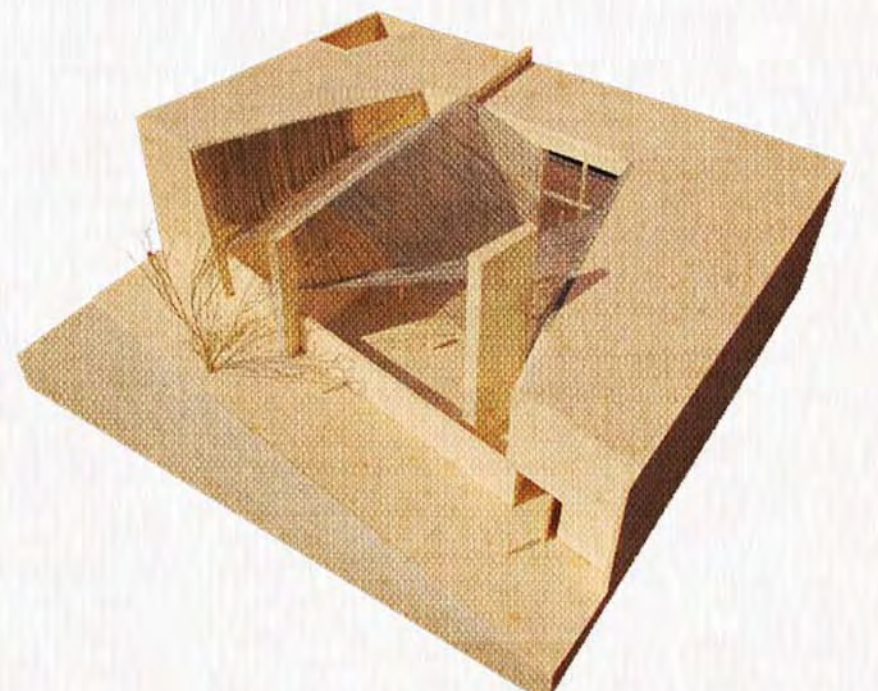
FUNCTION DISTRIBUTION



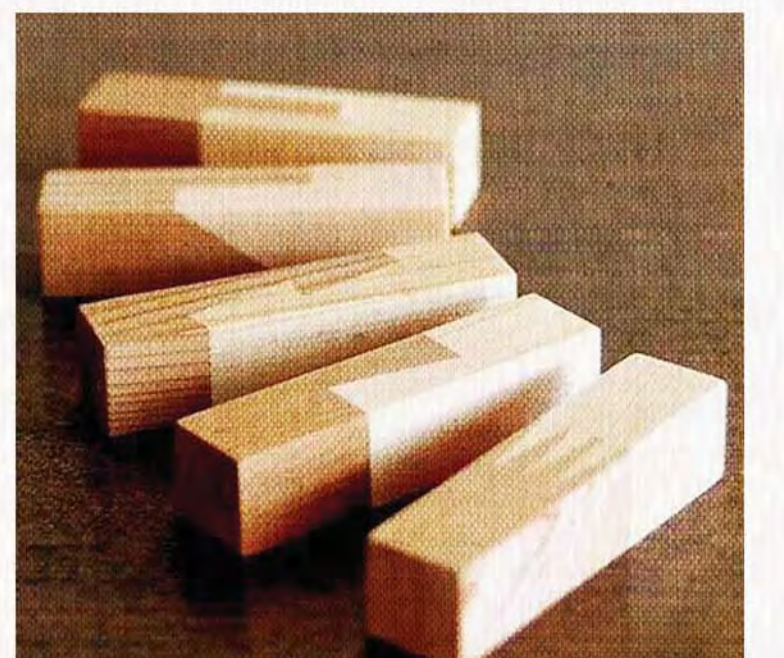
PRECEDENCE INSPIRATIONS:



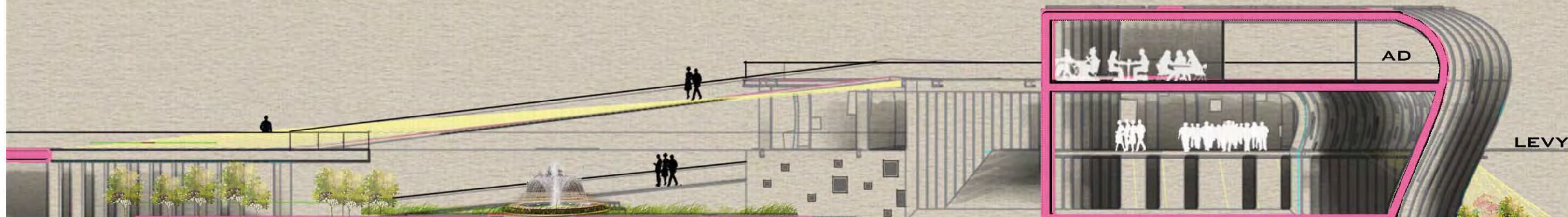
ROUND CORNER PRECEDENCE



COURTYARD DESIGN INSPIRATION



MORTISE AND TENON CONNECTION



TRANSVERSE SECTION
SCALE: 1/16" = 1'-0"



LONGITUDINAL SECTION
SCALE: 1/32" = 1'-0"

FIAT LUX

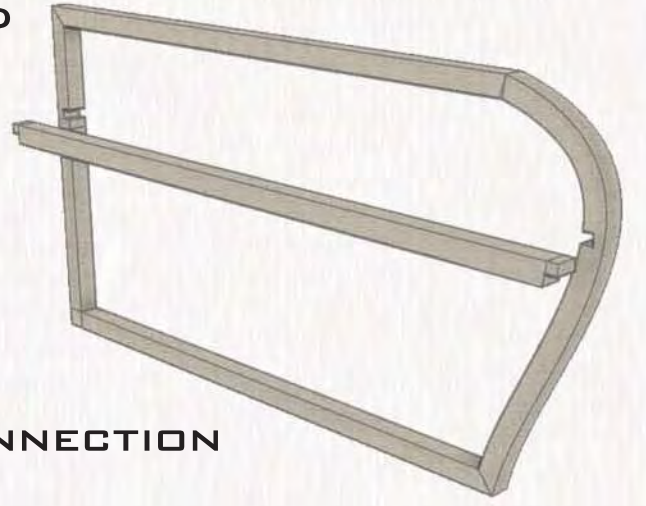
LET THERE BE LIGHT

"AND SAID GOD LET THERE BE LIGHT, AND THERE WAS LIGHT"

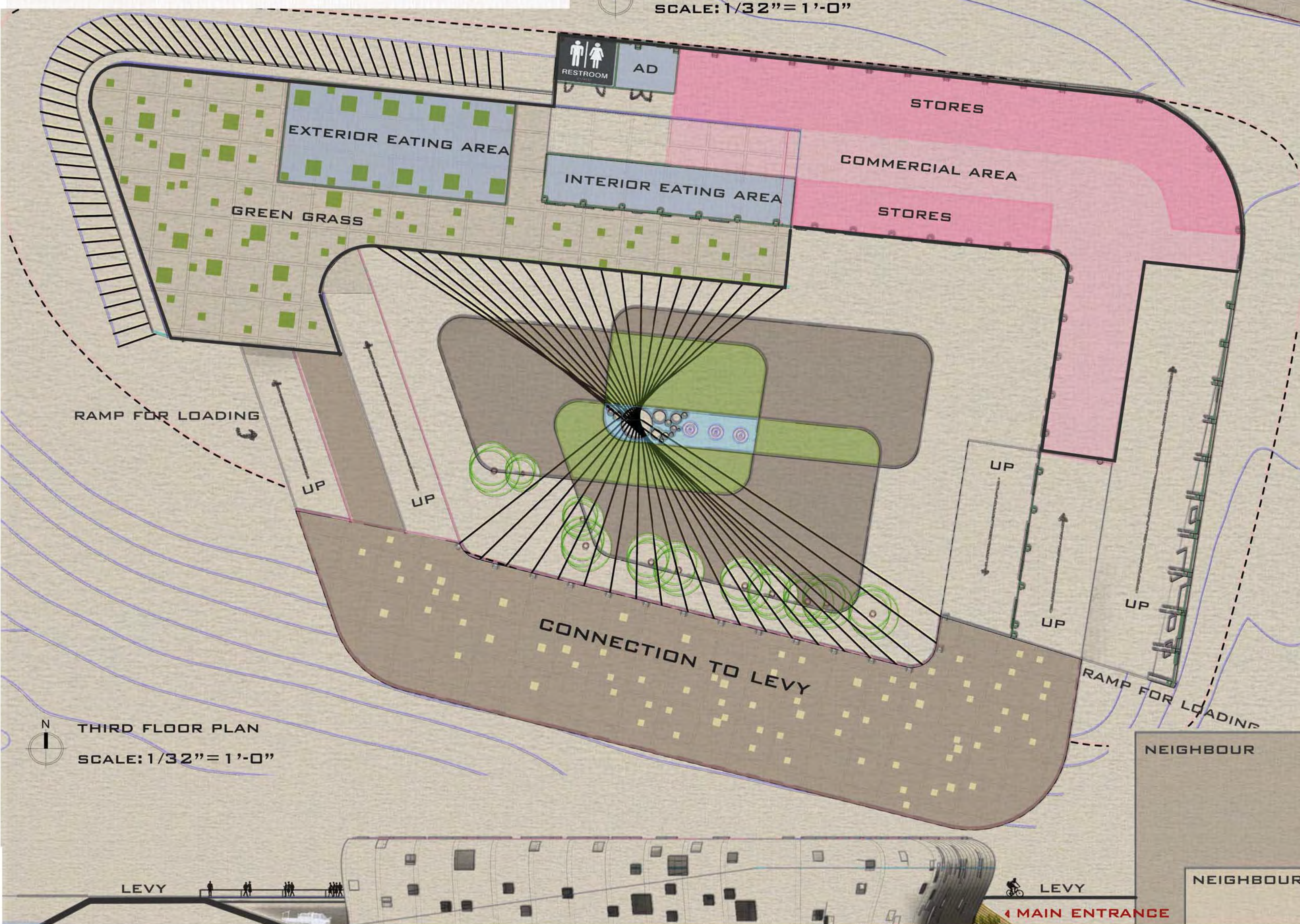
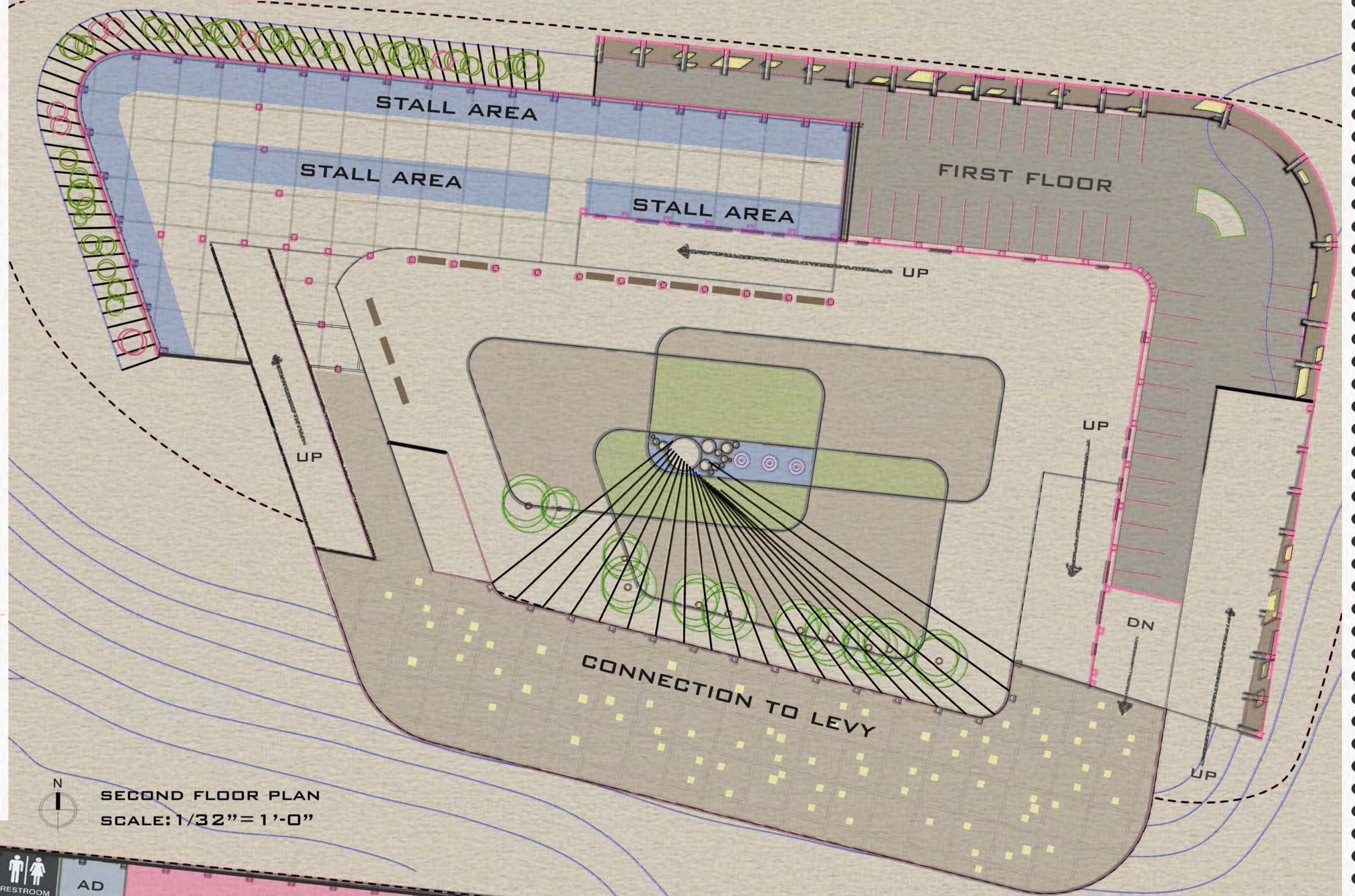
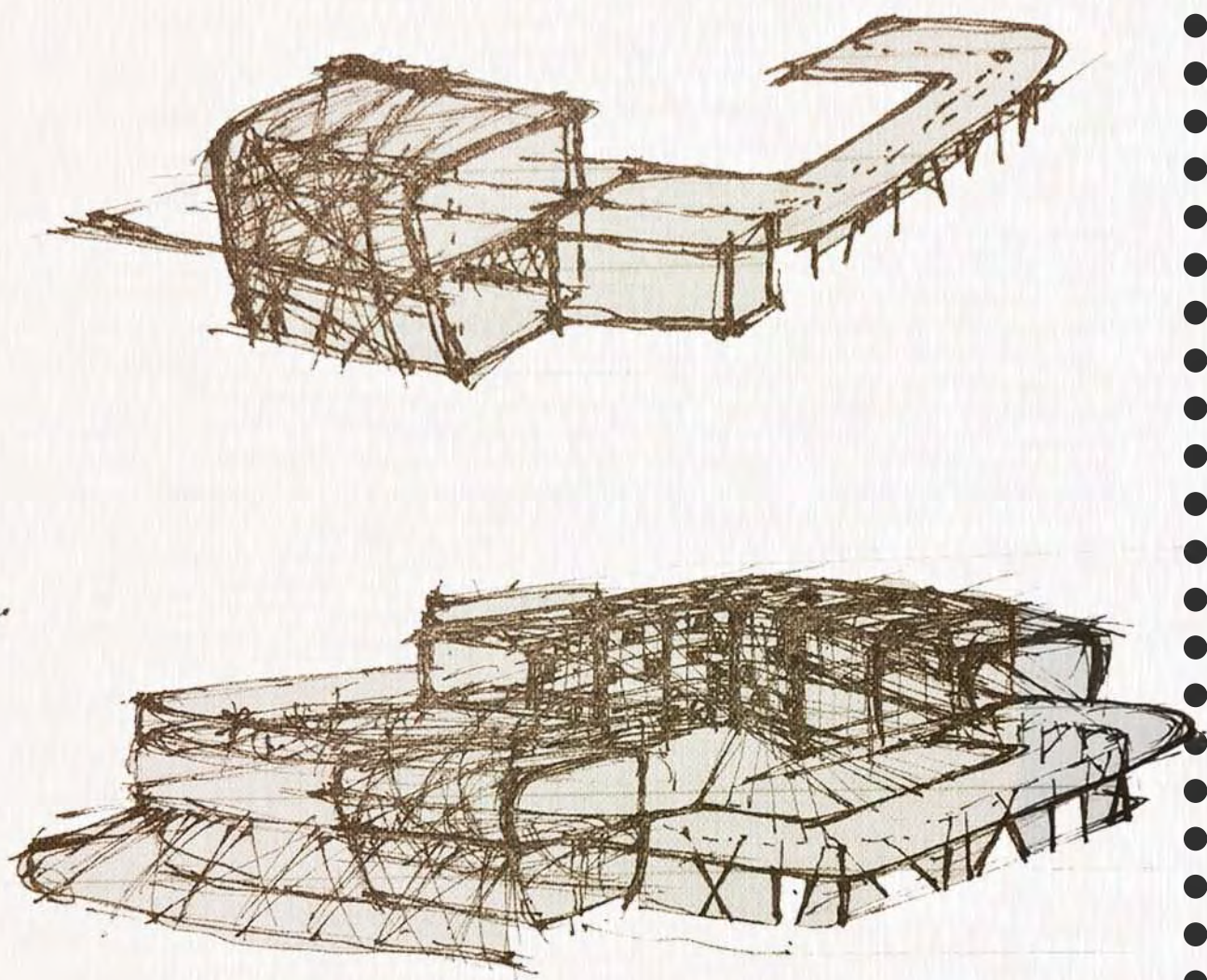
STRUCTURE AND MATERIAL

WOOD BEAM INSIDE
FUNCTION AS TRUSS AND JOIST
ALSO REDUCE DEAD LOAD

CONNECTION DETAIL
NO NAILS
MORTISE AND TENON CONNECTION



DESIGN PROCESS SKETCH:



"FIAT LUX" IS A LATIN PHRASE FROM BIBLE AND TRANSLATED AS "LET THERE BE LIGHT". IN MY PROJECT, CUTTING OUT OPENINGS TO MAKES FULL USE OF SUNLIGHT TO SAVE ENERGY AND CREATING ENJOYABLE LIGHT AND SHADE IS THE MAIN FOCUS. THE OPENINGS IN ROOF AND WALL ALSO REDUCES THE WEIGHT OF THE DEAD LOAD. ALSO, THE CABLES ARE NOT ONLY FUNCTION AS BRACING AND SHADING, BUT ALSO CREATE INTERESTING LIGHT-SHADOW EFFECT. IT IS ALSO A SUSTAINABLE PROJECT, WHICH USES VEGETATION TO FILTER ODOR FROM THE GAS STATION AND USE ROOF GRASS PANELS AND COURTYARD RAIN WATER COLLECTION TO REDUCE THE UHI. (URBAN HEAT ISLAND)

