

built for expansion: cooperative farmers' market



Greensburg, Kansas

problem statement:

What are the adverse effects on a community that rebuilding a town devastated by natural disaster might have?

typology:

This thesis will create a natural food co-op in Greensburg, Kansas, where people can go to buy and sell product in a manner more convenient to their small town agricultural way of life.

the claim:

Natural disasters affect people and communities all over the world, but the way people react to them defines the outcome of what will happen to a place once the rebuilding is over.

conclusion:

Without a true understanding of the effects disasters cause a community, one cannot attempt to reconstruct the lifestyle and habits of people within any given area.



Greensburg, Kansas



kiowa county commons



silo house



city hall

user:

The co-op situated in the heart of Greensburg, Kansas will be run by the Greensburg Economic Development Board which is part of the Kansas State University research and extension, and therefore will be run by Kansas State University

project emphasis:

The main goal of this project is to learn how we can better accommodate communities after a natural disaster. There will always be outside intervention when it comes to rebuilding a town. The key to properly rebuilding is understanding the habits of the community and transferring those ideas into architecture that can sustain a community.

I will focus on how architecture in a given place can alter the well being of a community, and how that well being is directly related to the productivity of a small agricultural town like this one.



site



site-east



site-west



site

20 year master plan

MARKET (10,000 sqf)

OFFICES (864 sqf)

MEETING ROOMS (625 sqf)

LUNCH ROOM (220 sqf)

MECHANICAL (225 sqf)

BACKROOM (5,200 sqf)

BATHROOMS (864 sqf)

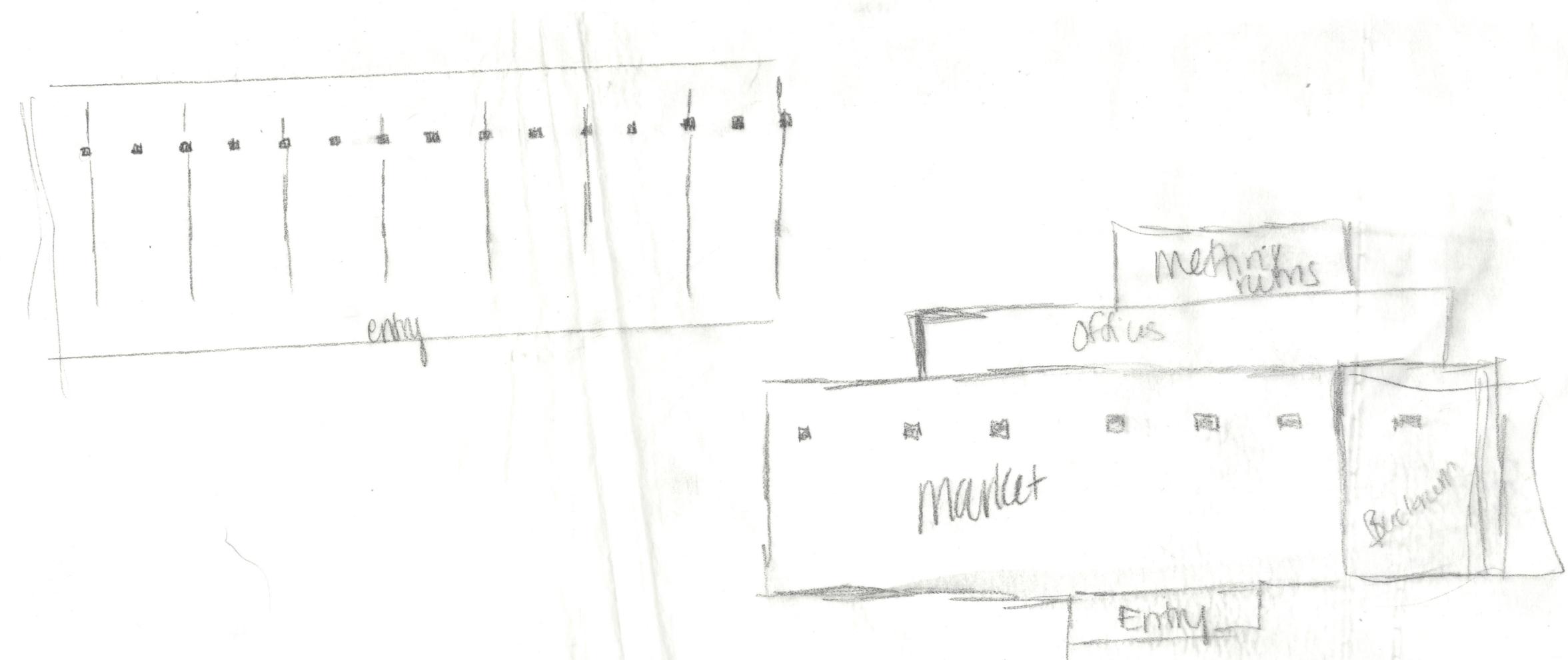
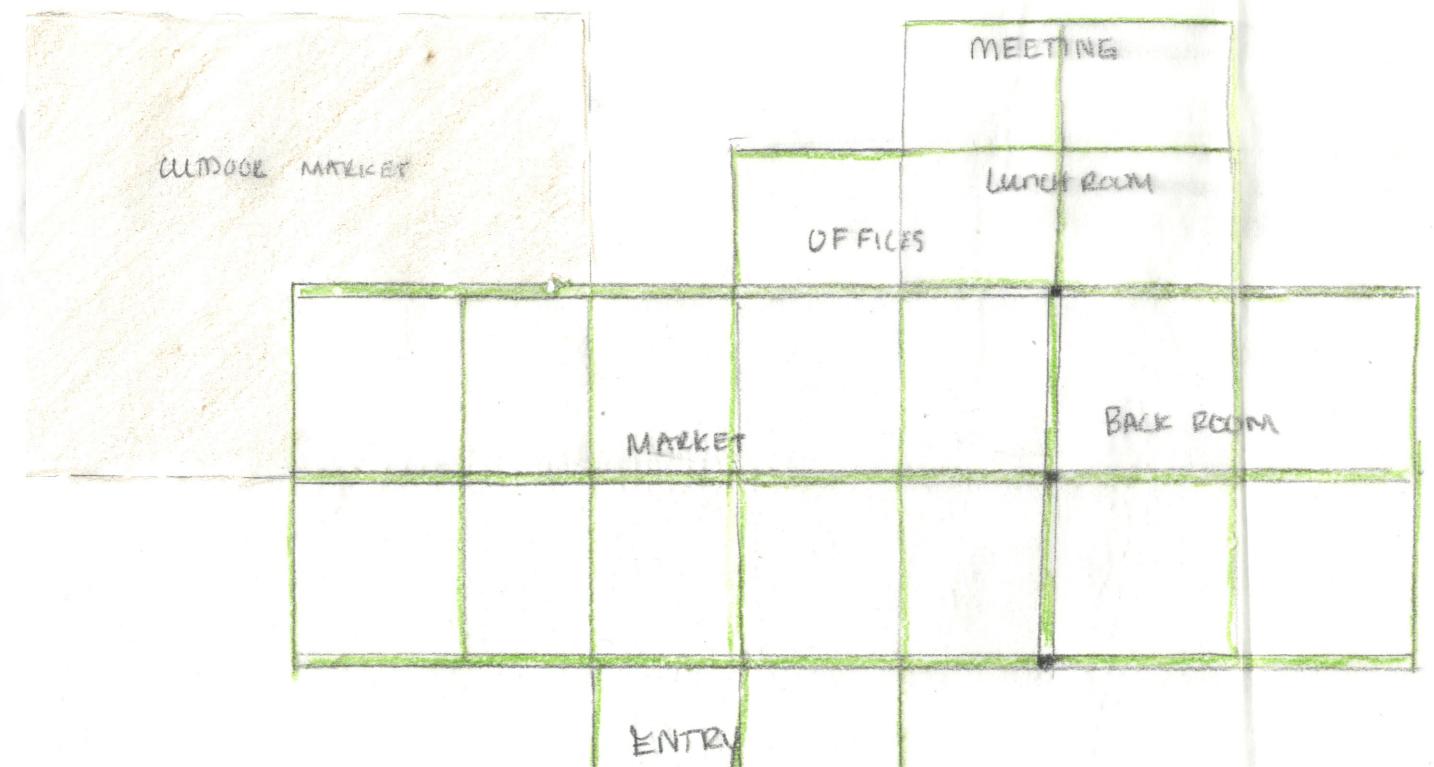
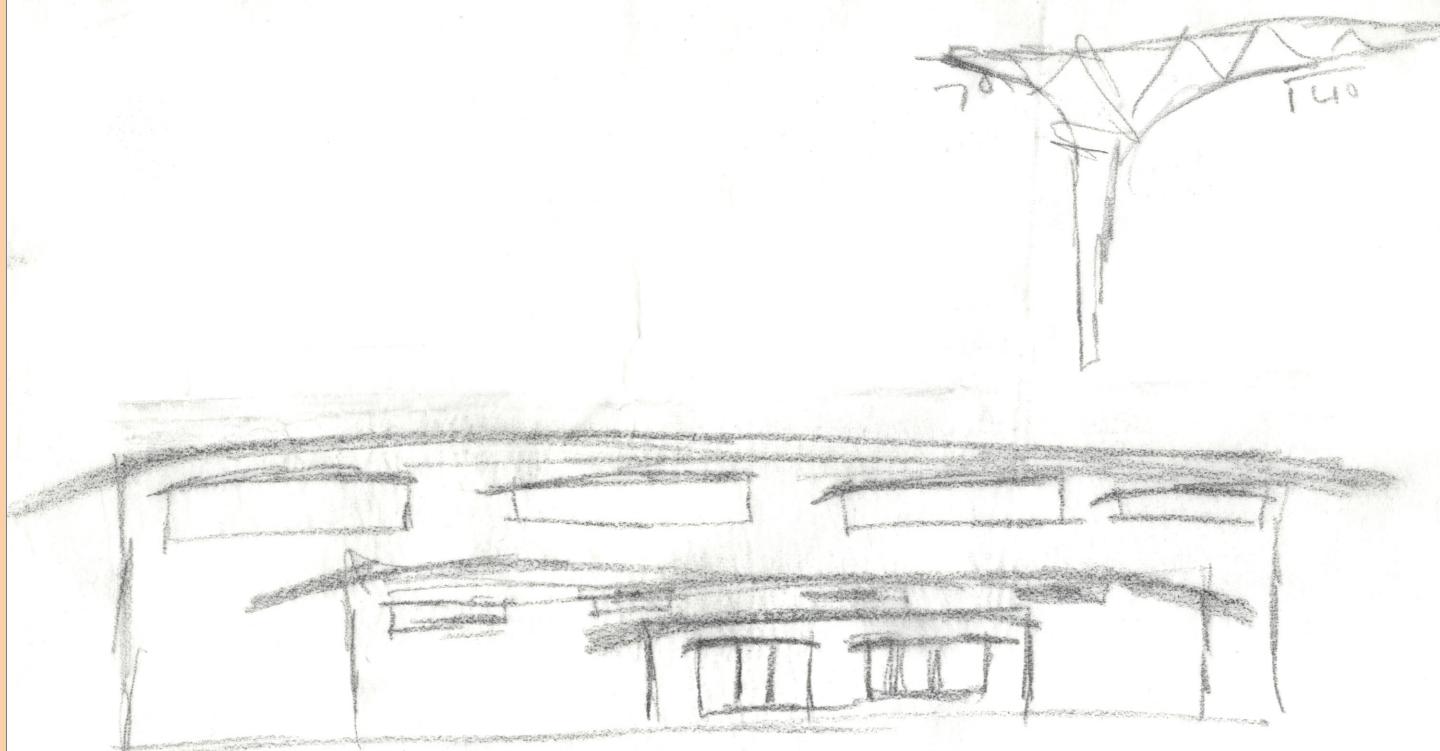
CIRCULATION (10% total area)

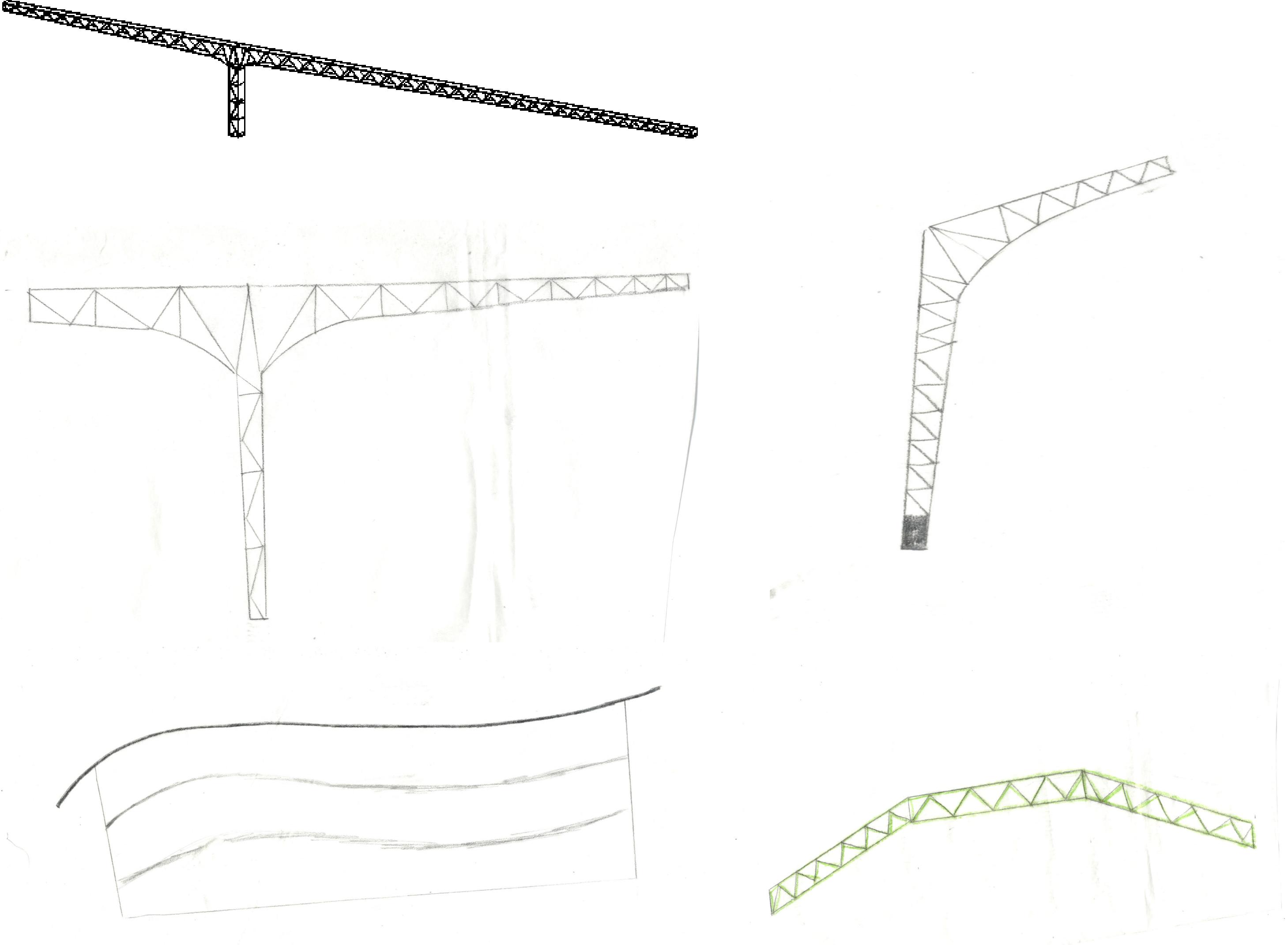
PARKING: 30 cars

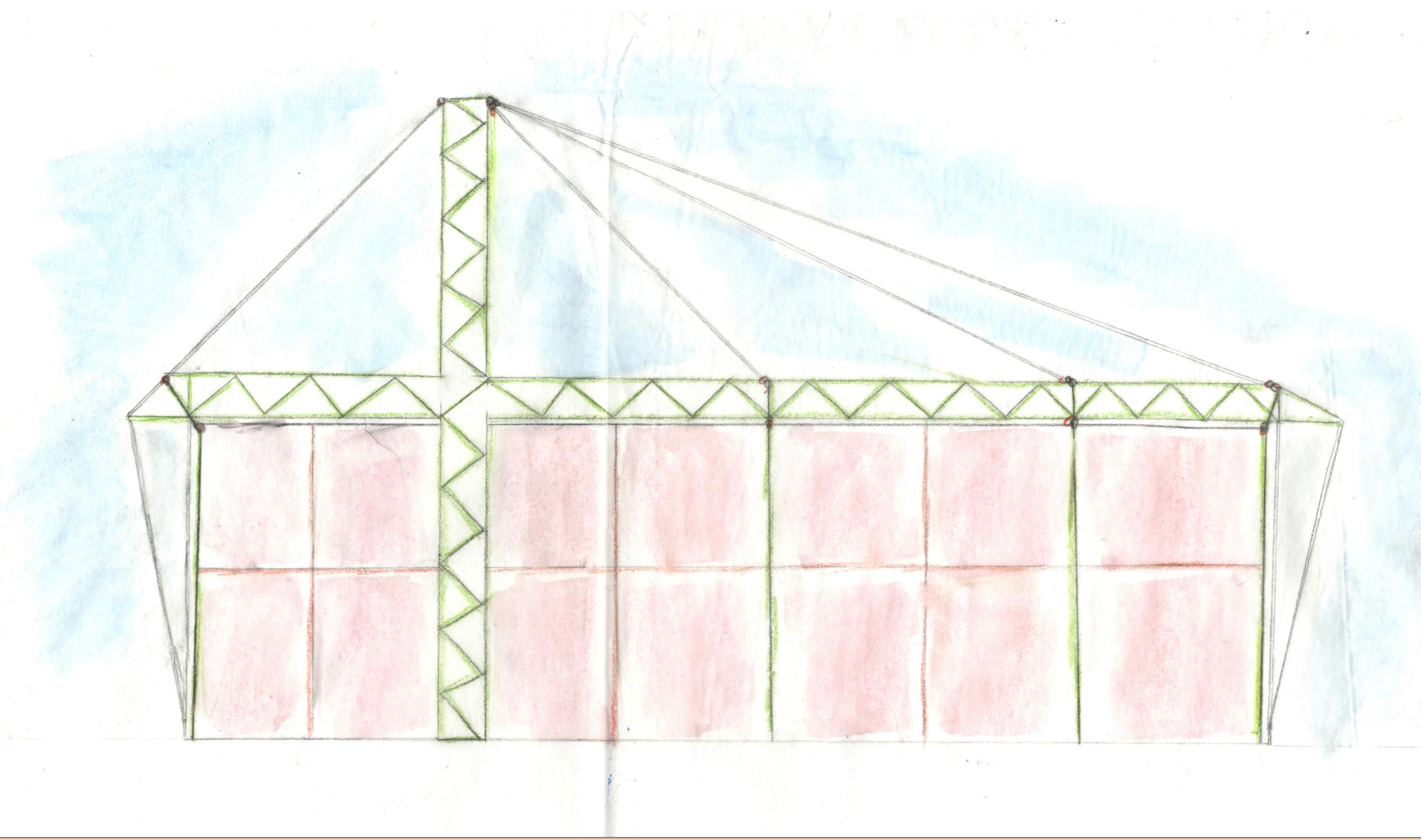
TOTAL: 20,000 sqf

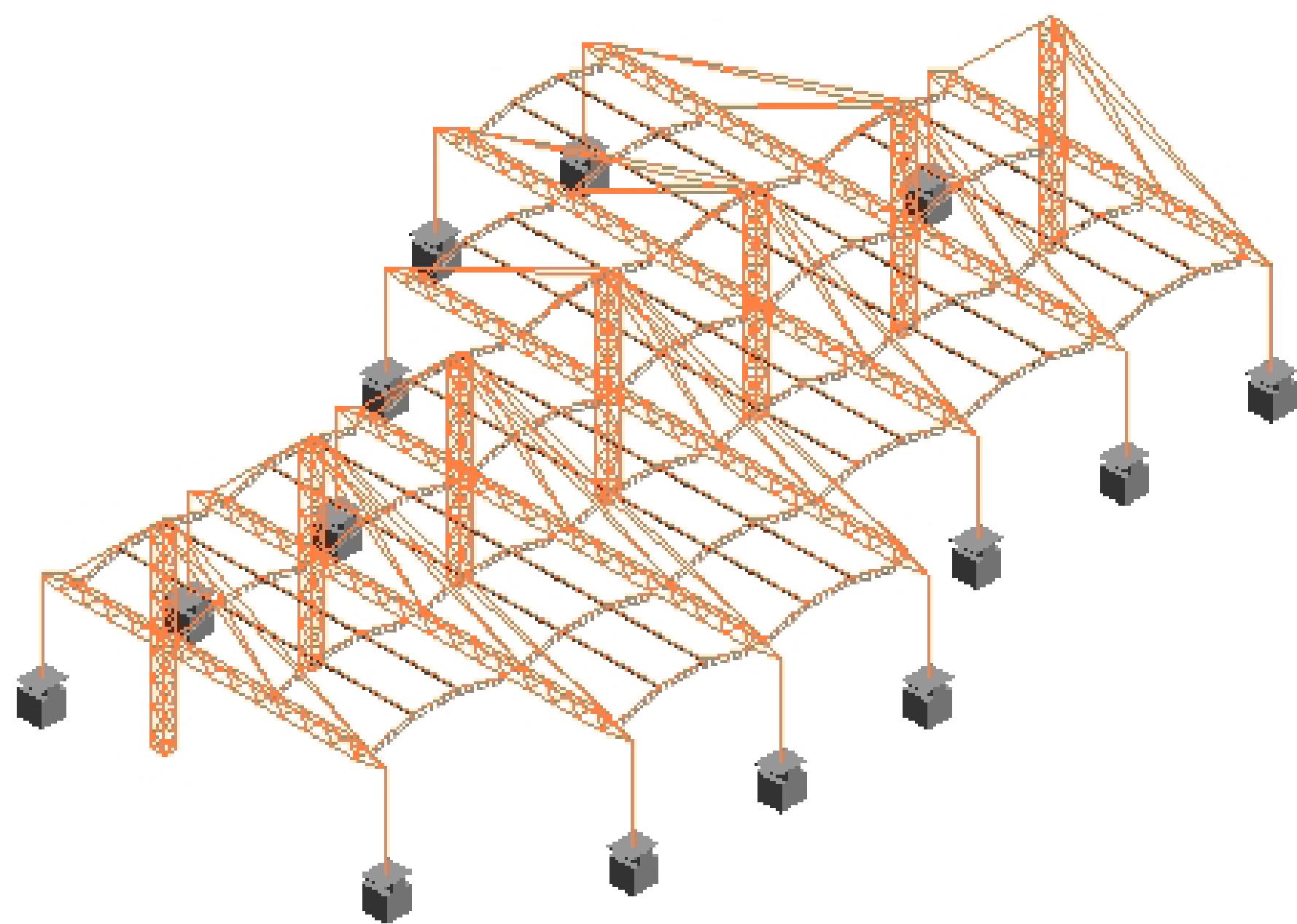
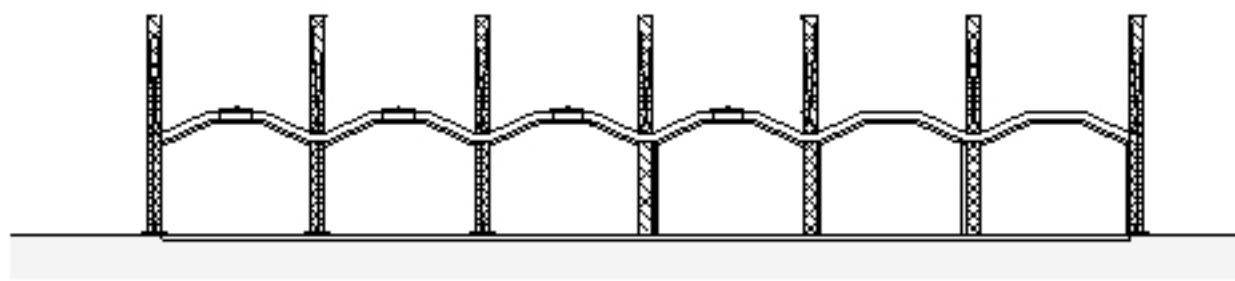


initial concepts









structure

TOTAL INTERIOR: 20,408 sqf

MARKET (10,368 sqf)

TOTAL COMBINED: 40,093 sqf

OFFICES (340 sqf)

MEETING ROOMS (1,107 sqf)

CLASSROOM (840 sqf)

LUNCH ROOM (348 sqf)

MECHANICAL (332 sqf)

BACKROOM (4,752 sqf)

BATHROOMS (636 sqf)

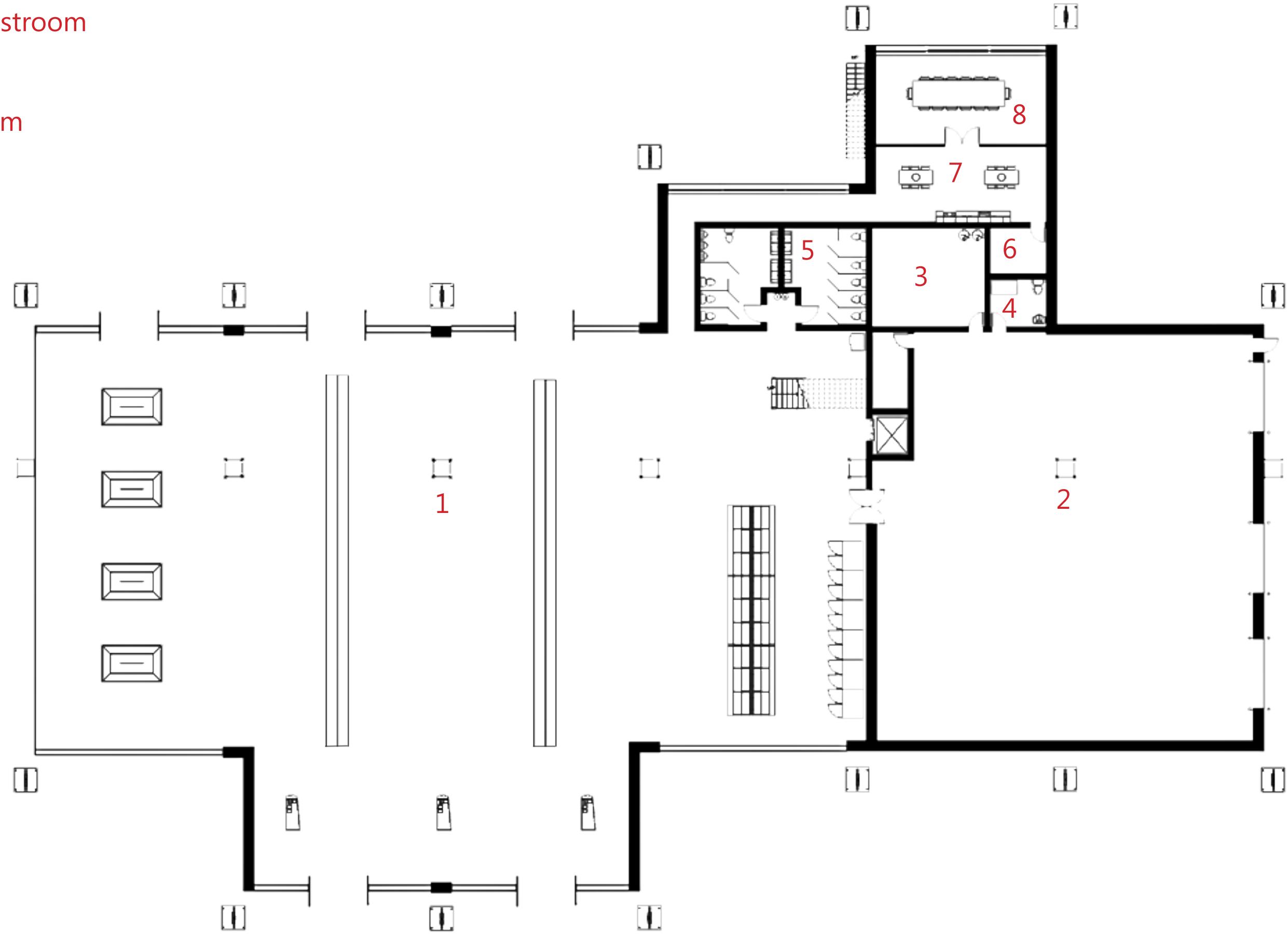
STORAGE (171 sqf)

CIRCULATION (10% total area)

OUTDOOR MARKET (19,685 sqf)

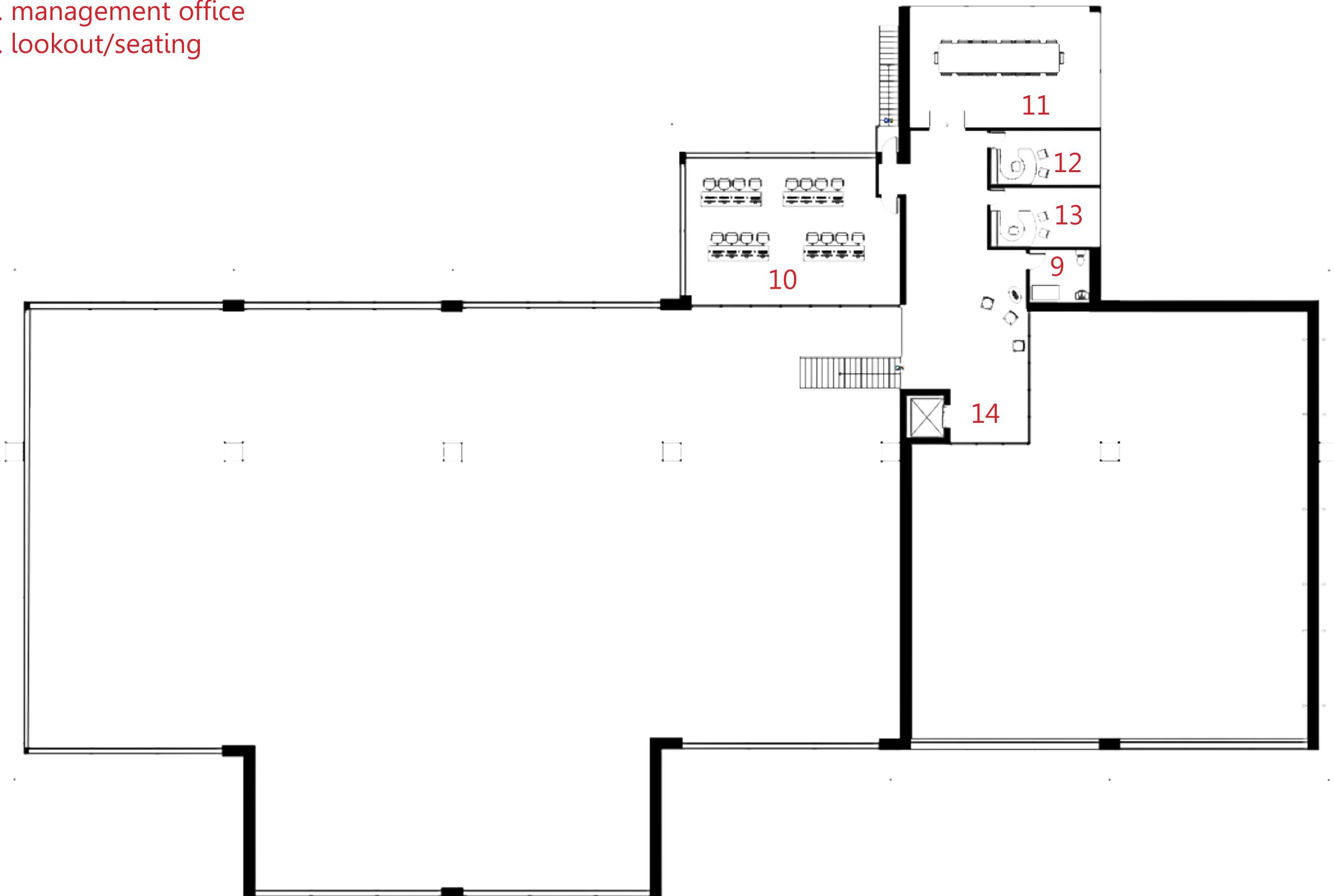
PARKING: 25 cars

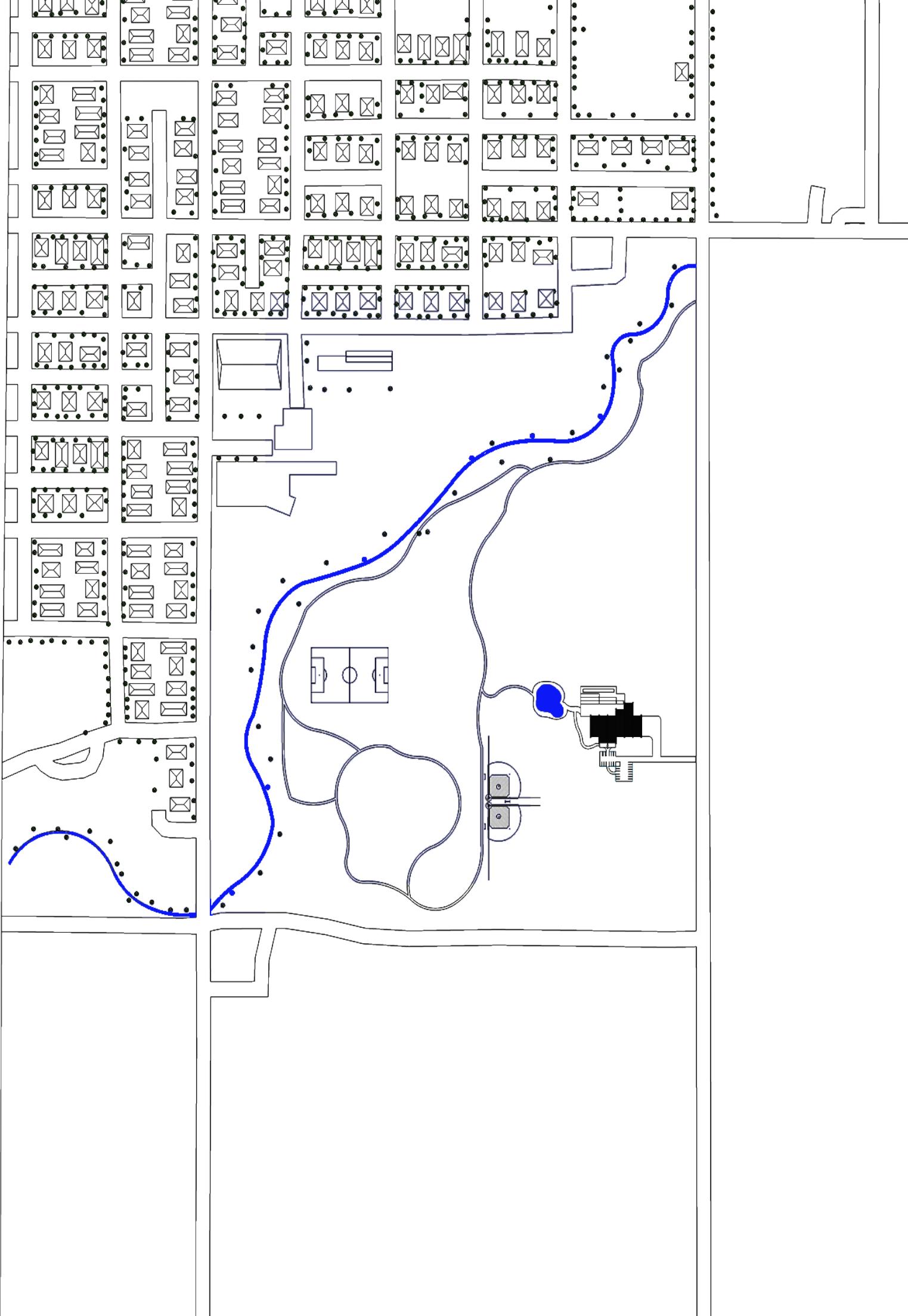
1. market
2. backroom/food prep
3. mechanical
4. public restrooms
5. employee restroom
6. storage
7. breakroom
8. meeting room



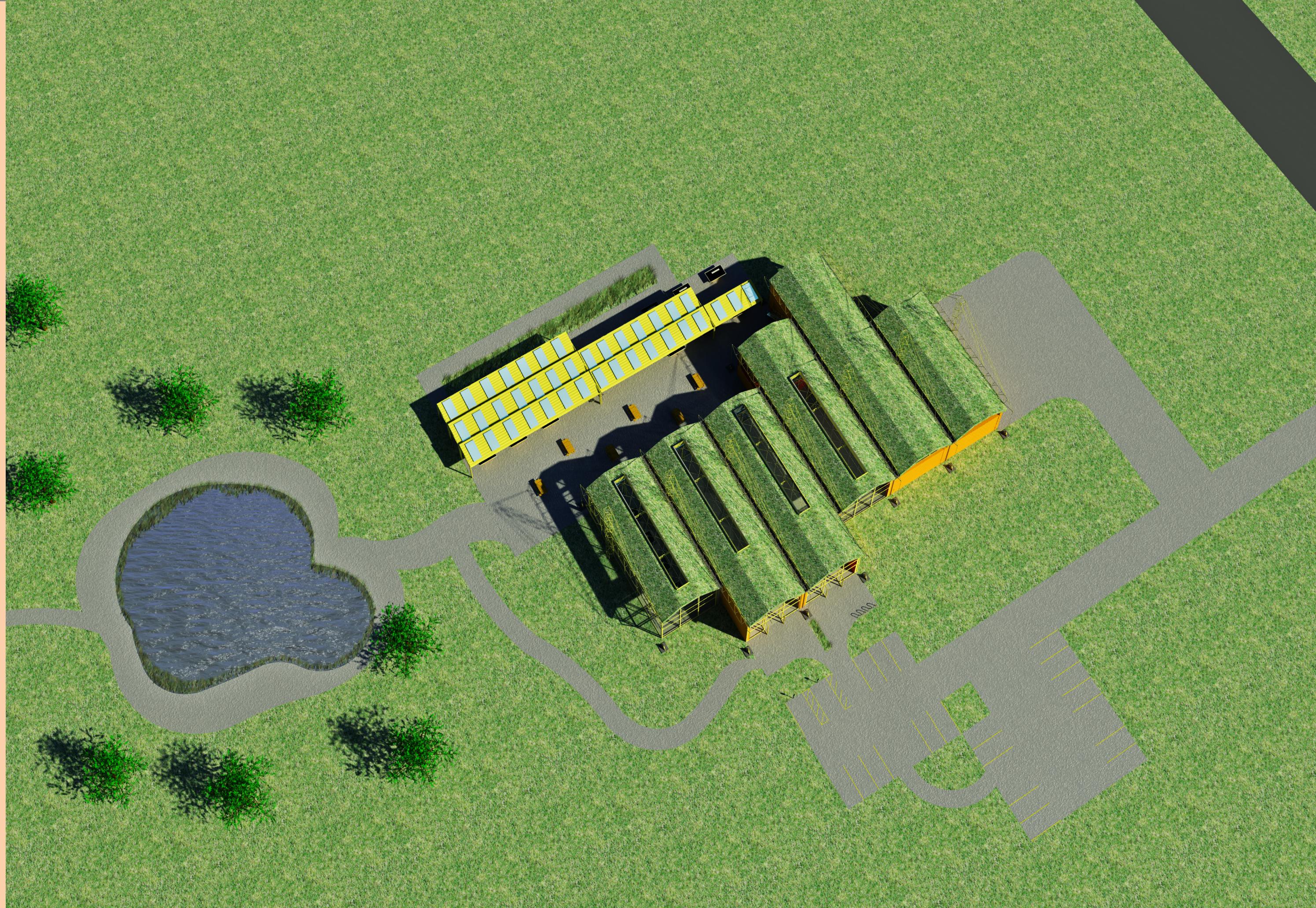
level one

- 9. restroom
- 10. classroom
- 11. meeting room
- 12. payroll office
- 13. management office
- 14. lookout/seating

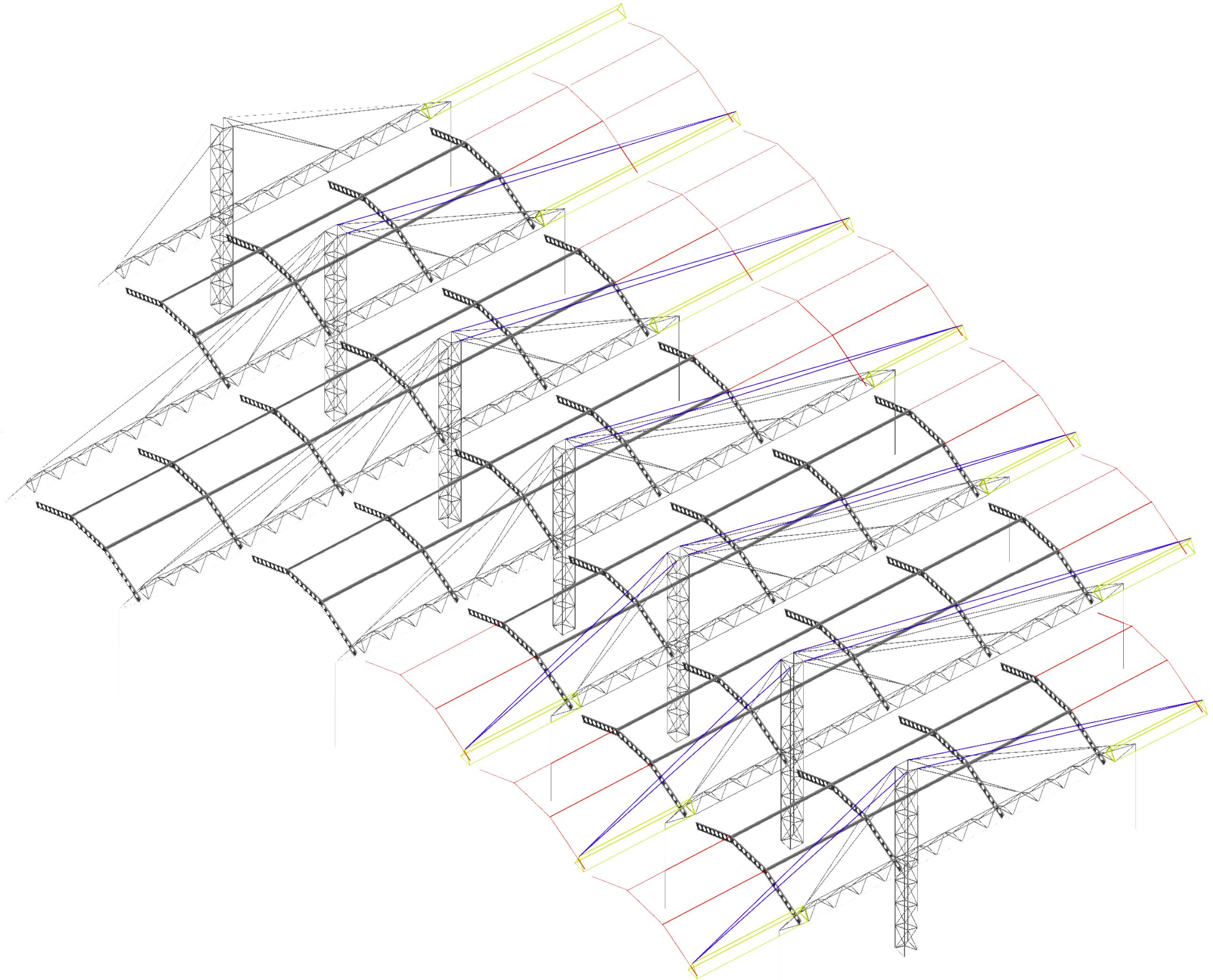




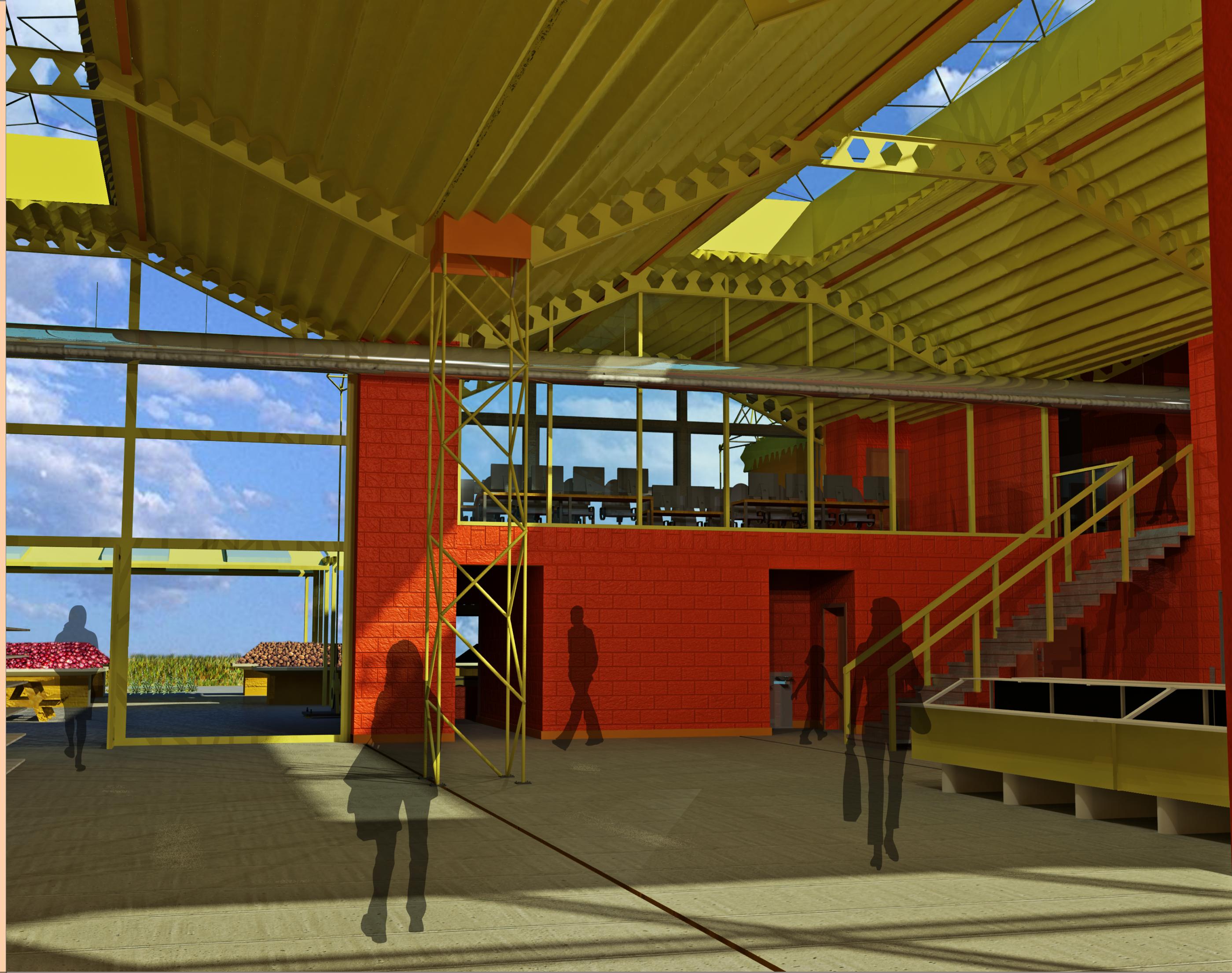
site plan



top view



structure with possible expansion points



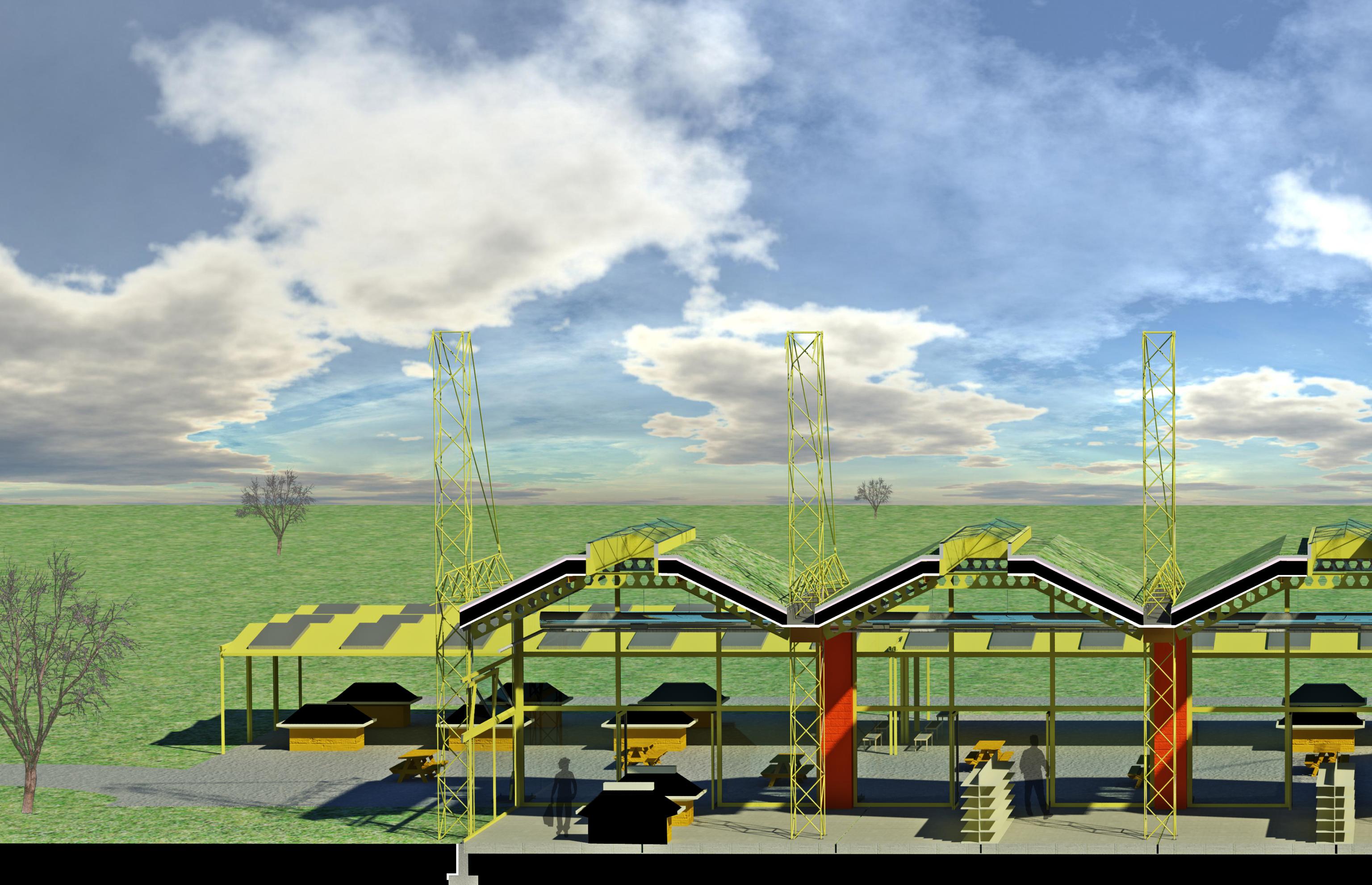
interior



exterior/outdoor market



front



section/west side



section/east side