cohesive community

Design Thesis by Jeff Mellgren

presentation *April 27th 2012*

cohesive

the problem statement

How can the development of a place foster a sense of community and wellbeing?

A place can create an atmosphere of encouragement and community. Those who gather with a common purpose will **connect** and **grow.**To create this environment the project typology is a base chapel outreach center.

The development of an outreach center on a base can be
a place that encourages interaction and strengthens hope in others.

concept

the research

community
military community

unique mission
connection between work and family

concept

Minot
North Dakota
United Sates of America

minot AFB
site
highway 83

housing
site
key features
1 mini mall
2 chapel
3 bowling
4 library
5 wellness center
6 airmen dorms
7 residential
tanker trail
peace keeper place
missile ave
site
6
7
1
2
3
4
5

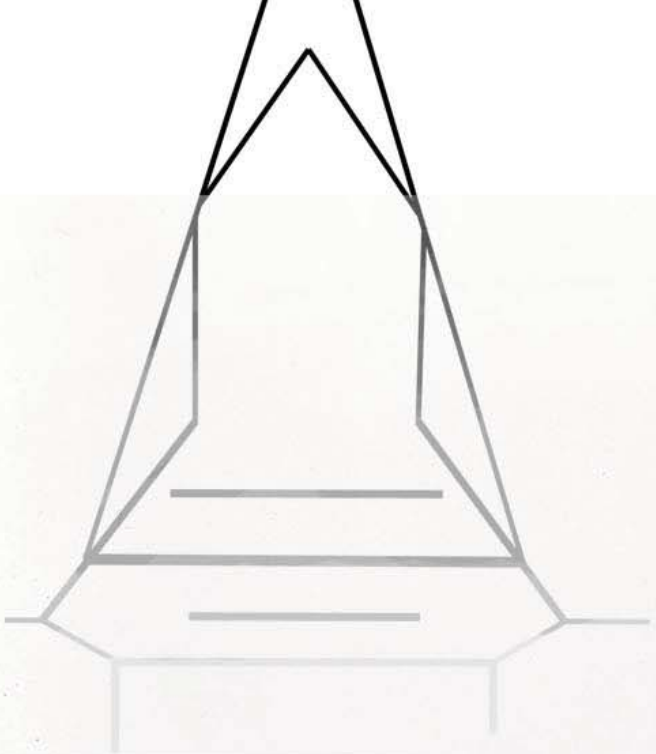
the concept

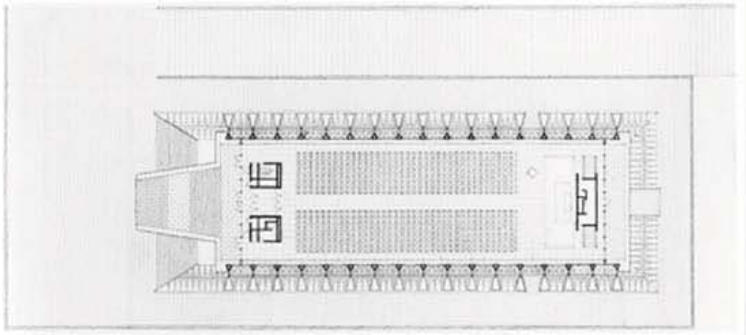
mission

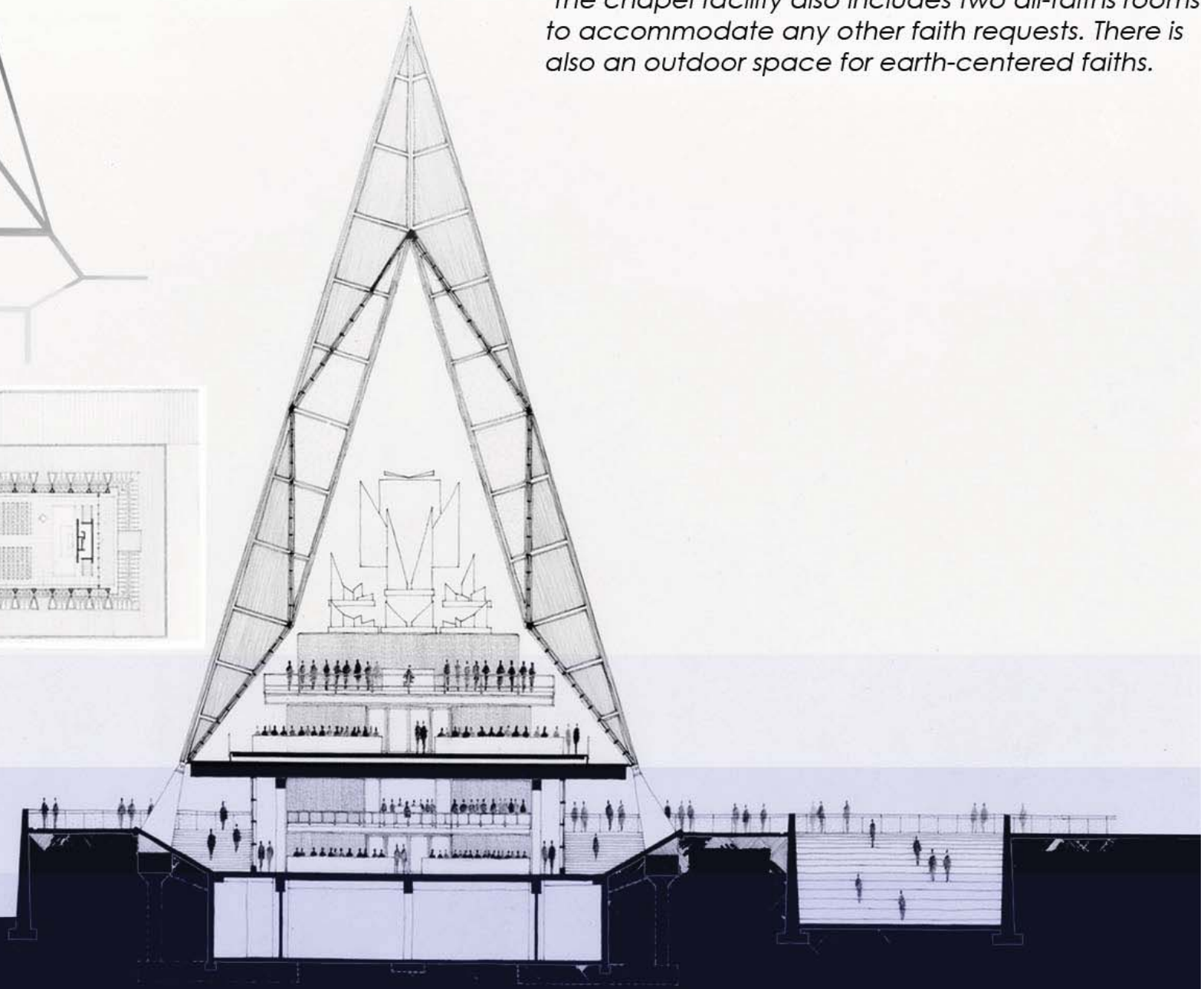
faith & hope

concept

The Air Force Academy cadet chapel is the pivotal example of a mulit-faith chapel. The chapel has three main chapel spaces to accommodate the three larger faith groups of the Academy campus. The chapel facility also includes two all-faiths rooms to accommodate any other faith requests. There is also an outdoor space for earth-centered faiths.







Upper Level
- Protestant Chapel

Lower Level:
- Catholic Chapel
- Buddist Temple
- Jewish Chapel
- All faiths room

Basement Level:
- All faiths room
- Meeting Rooms

development

Air Force

architectural compatibility

establish corner

development

PROGRAM DEVELOPMENT

Spaces:

Narthex Public gathering Space

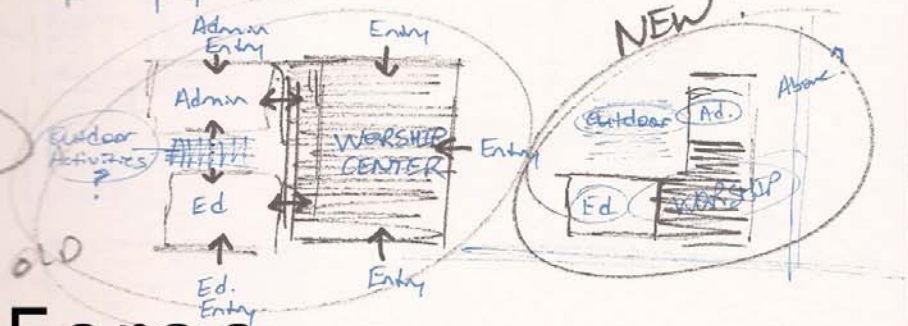
Sanctuary Used for "traditional" services

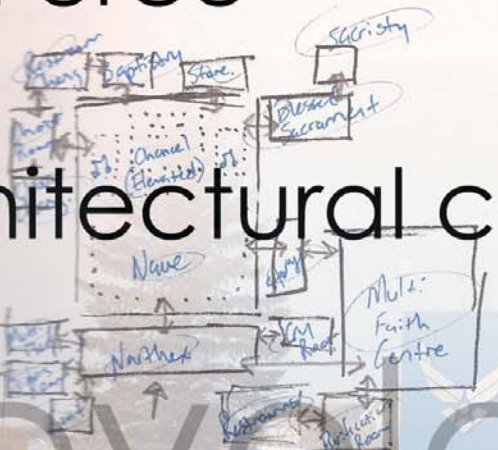
- Chancel (Baptistry, choir loft, alter, podium

- Nave Seating area

Blessed Sacrament Room Intimate worship space (Individuals)

Sacristy Chaplain prep area





Minot AFB Population ~ 13,000

Minot AFB Factsheet

LARGE CENTRAL FACILITY

LARGE SANCTUARY — BREAK DOWN (HUMAN SCALE

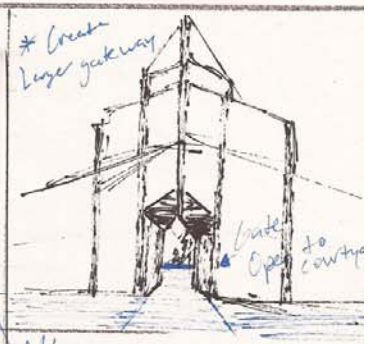
CHURCHES TO VISIT

- Gethsemene
- Nativity

Goals with Master Plan

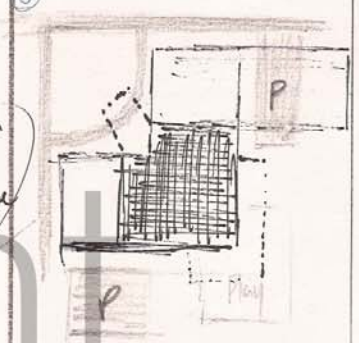
+ Connect to Road
+ Invite people
+ Hide Parking

MASTER PLAN

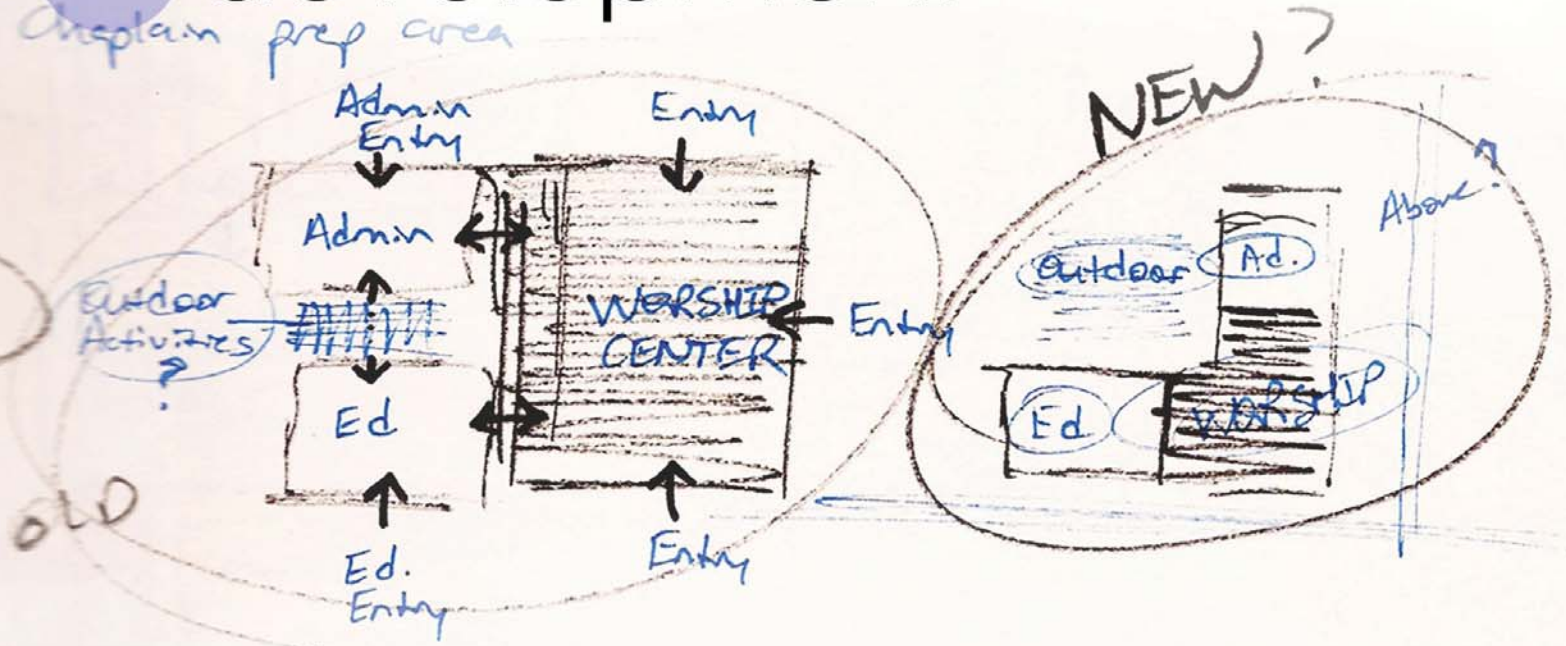


Add Spaces

- Balance 1:2 with emphasis



development

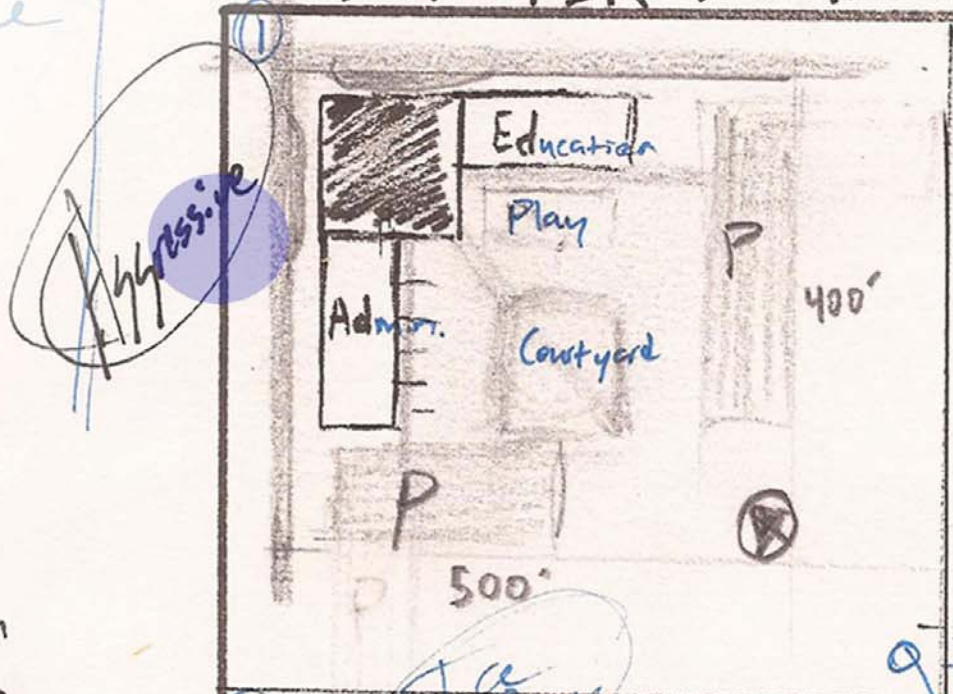


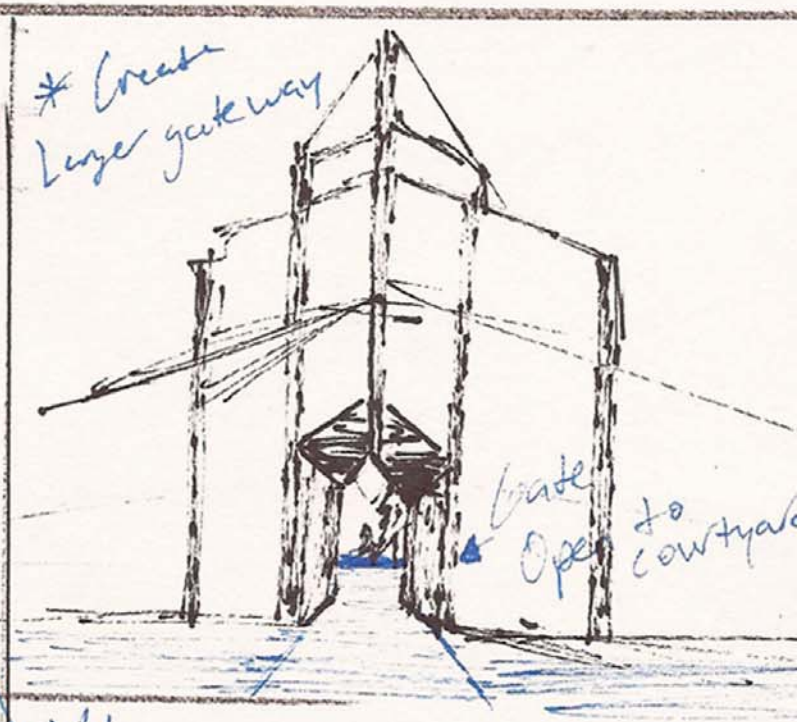
Air Force

architectural compatibility

development

MASTER PLAN



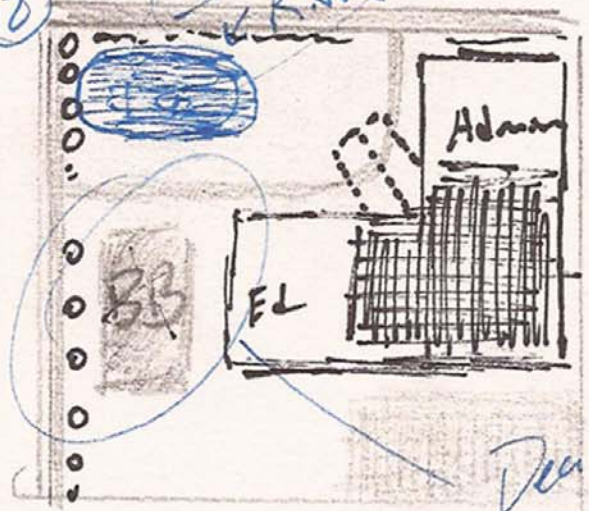


Goals with Master Plan

+ Connect to Road

+ Invite people

+ Hide Parking

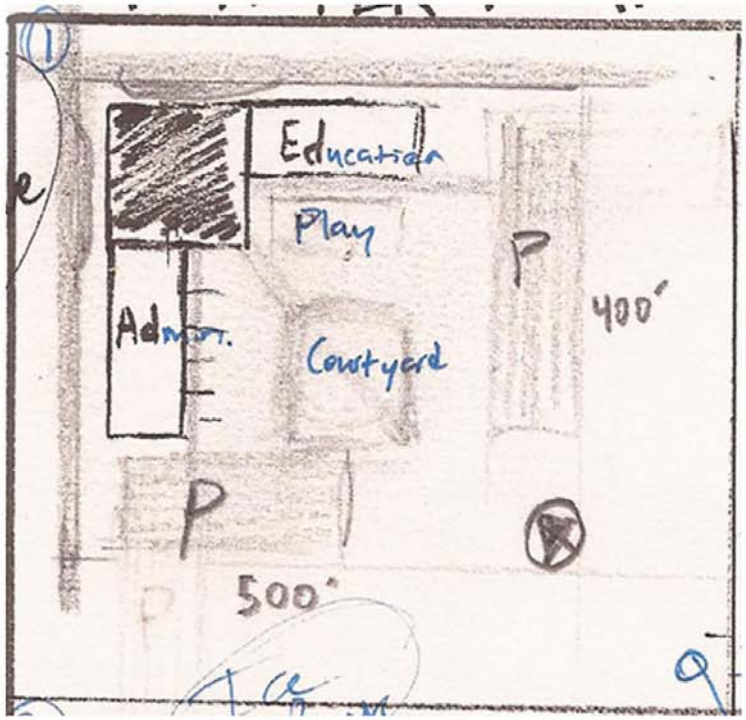


Add Spaces

- Balance 122 with emphasis on

● establish corner

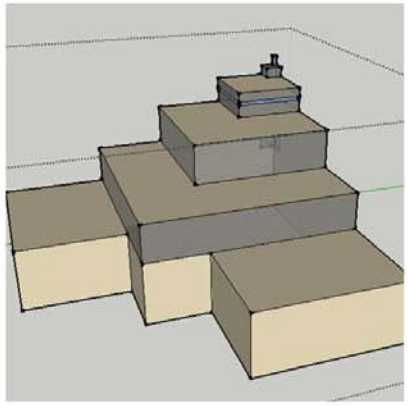
development

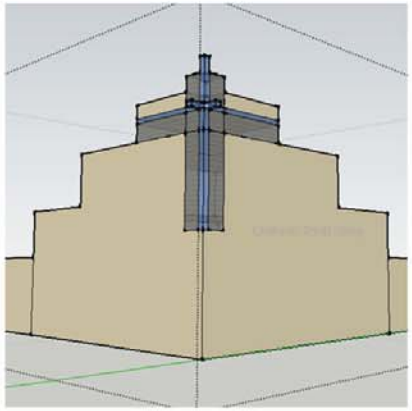


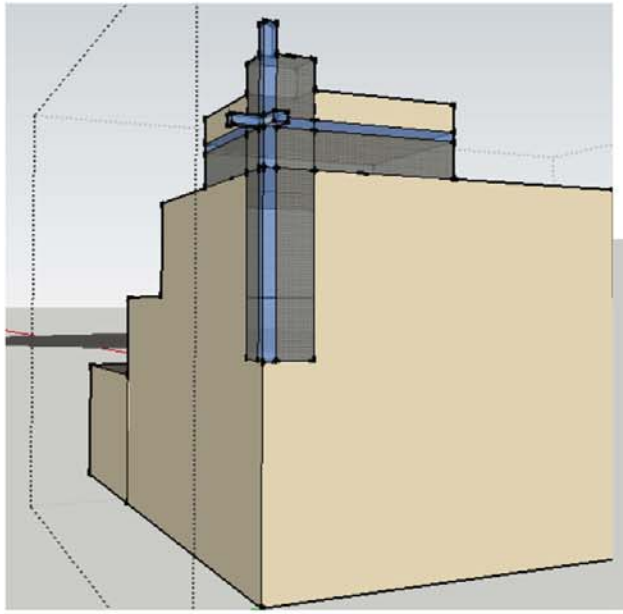
development

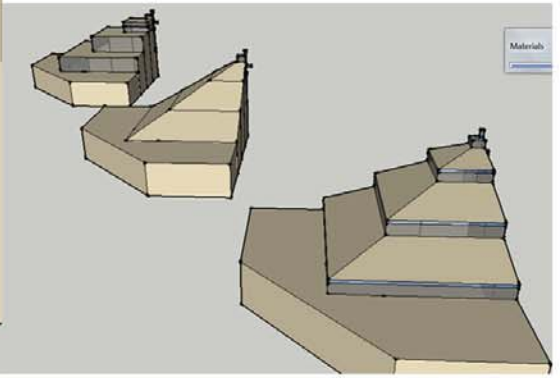
development

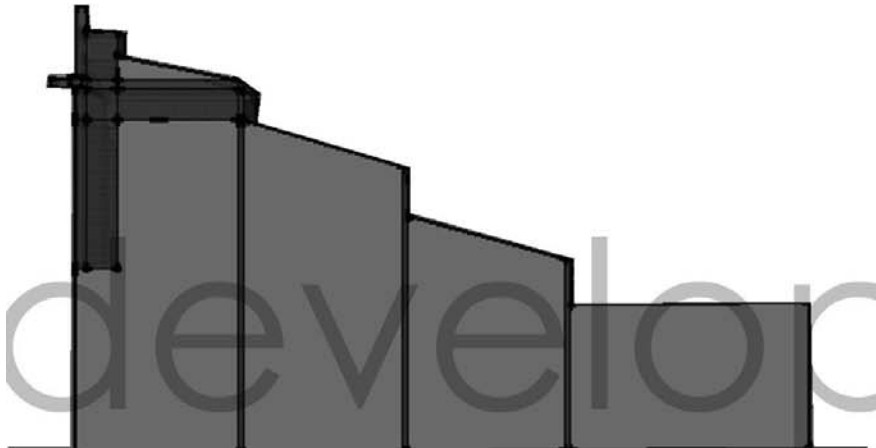
Chapel Form

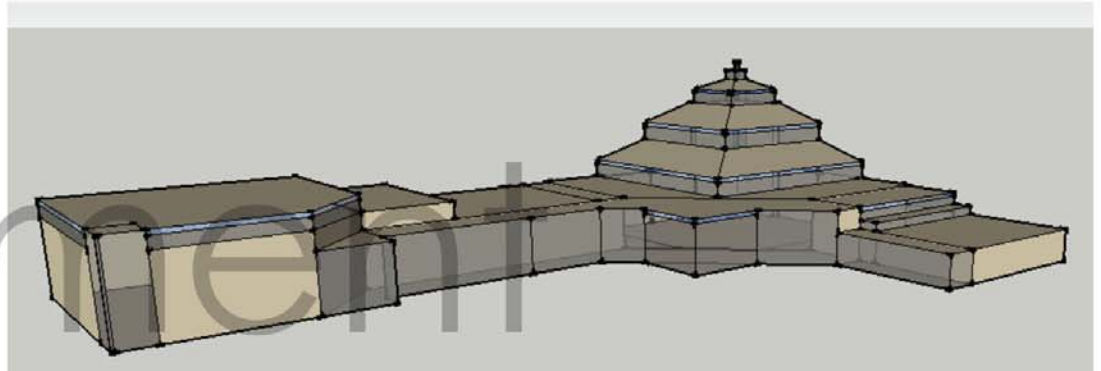






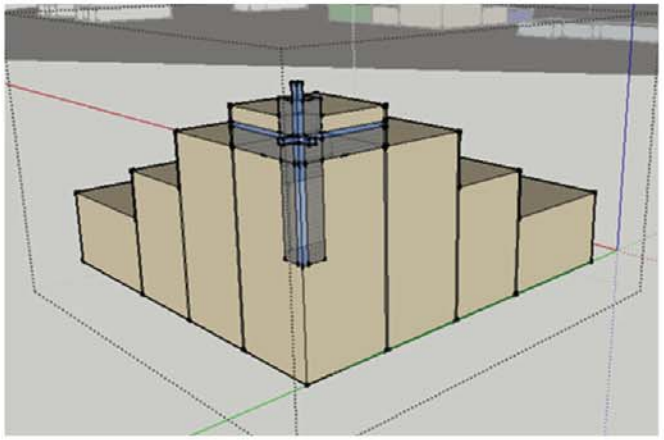


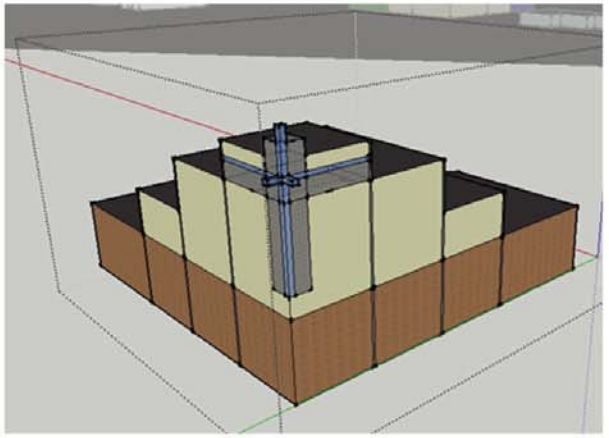


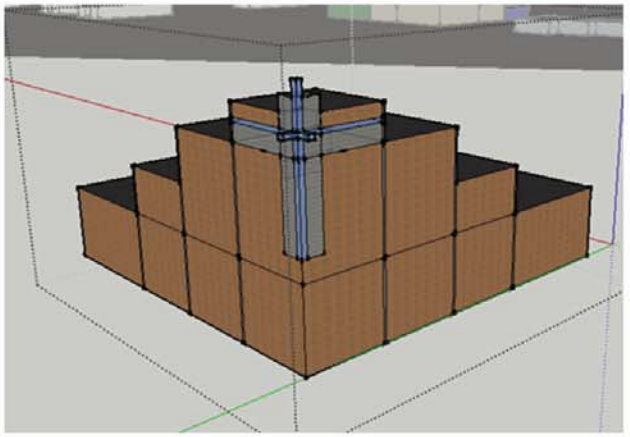


development

material







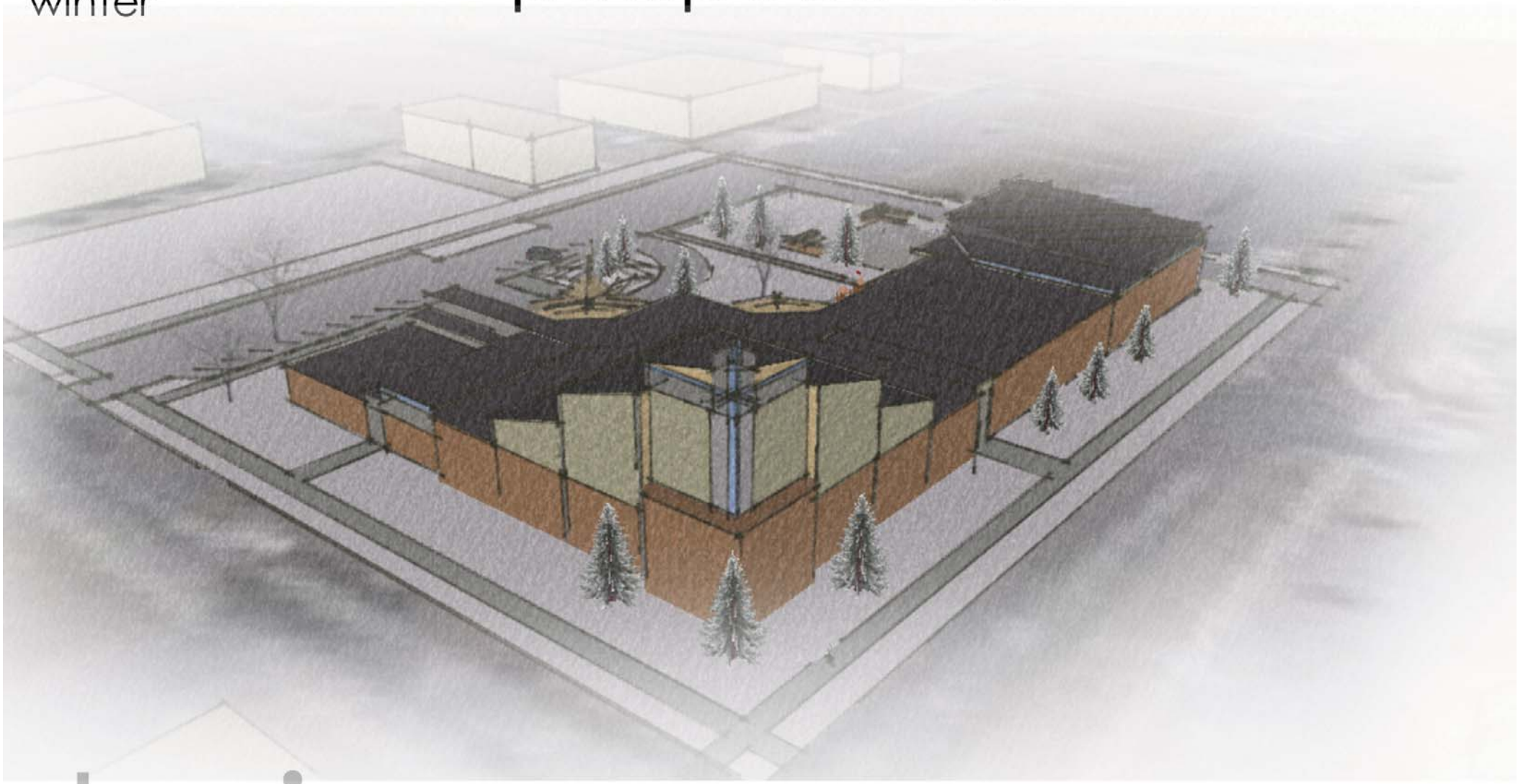
development

site map

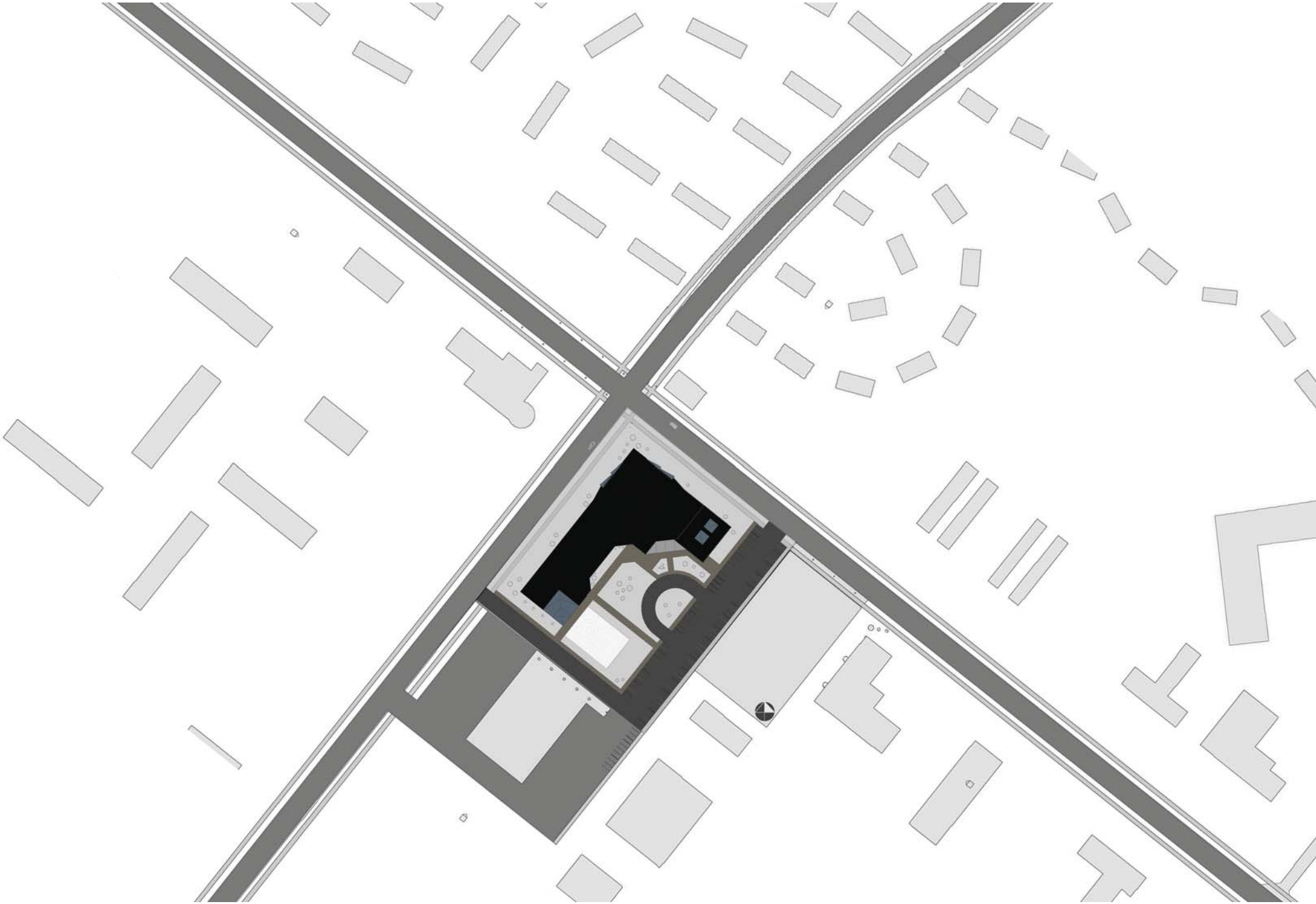
design

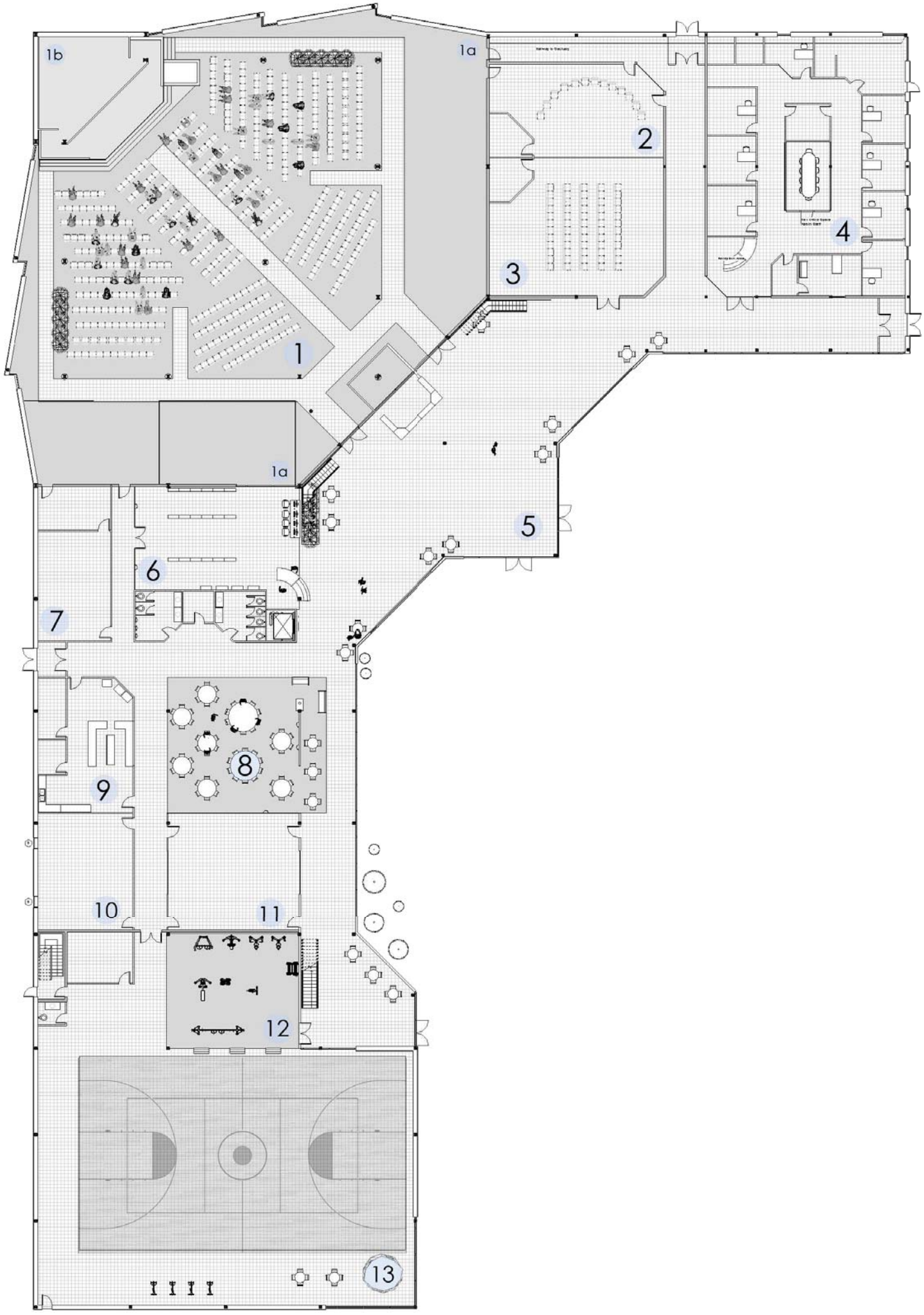
perspectives

winter



design

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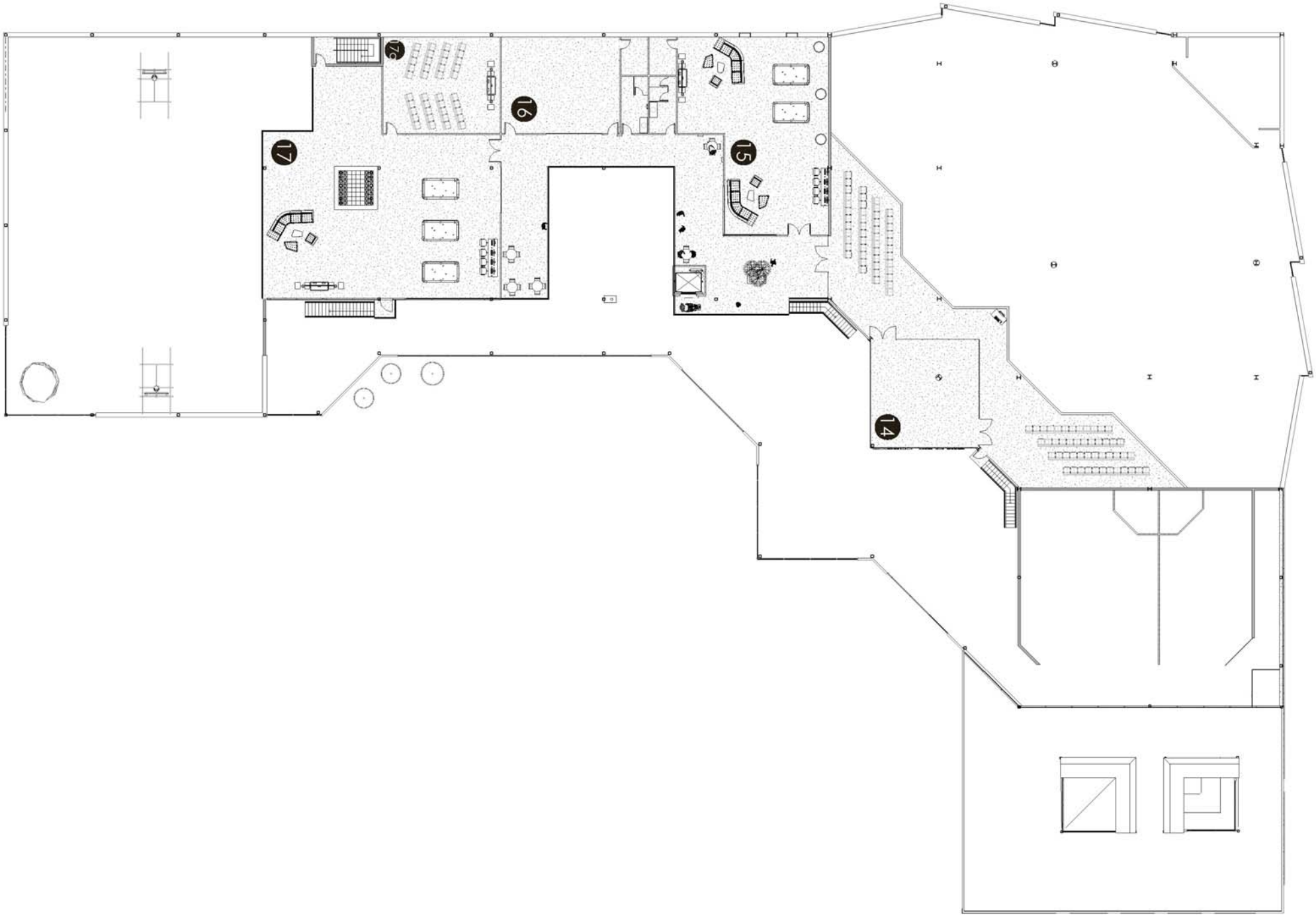
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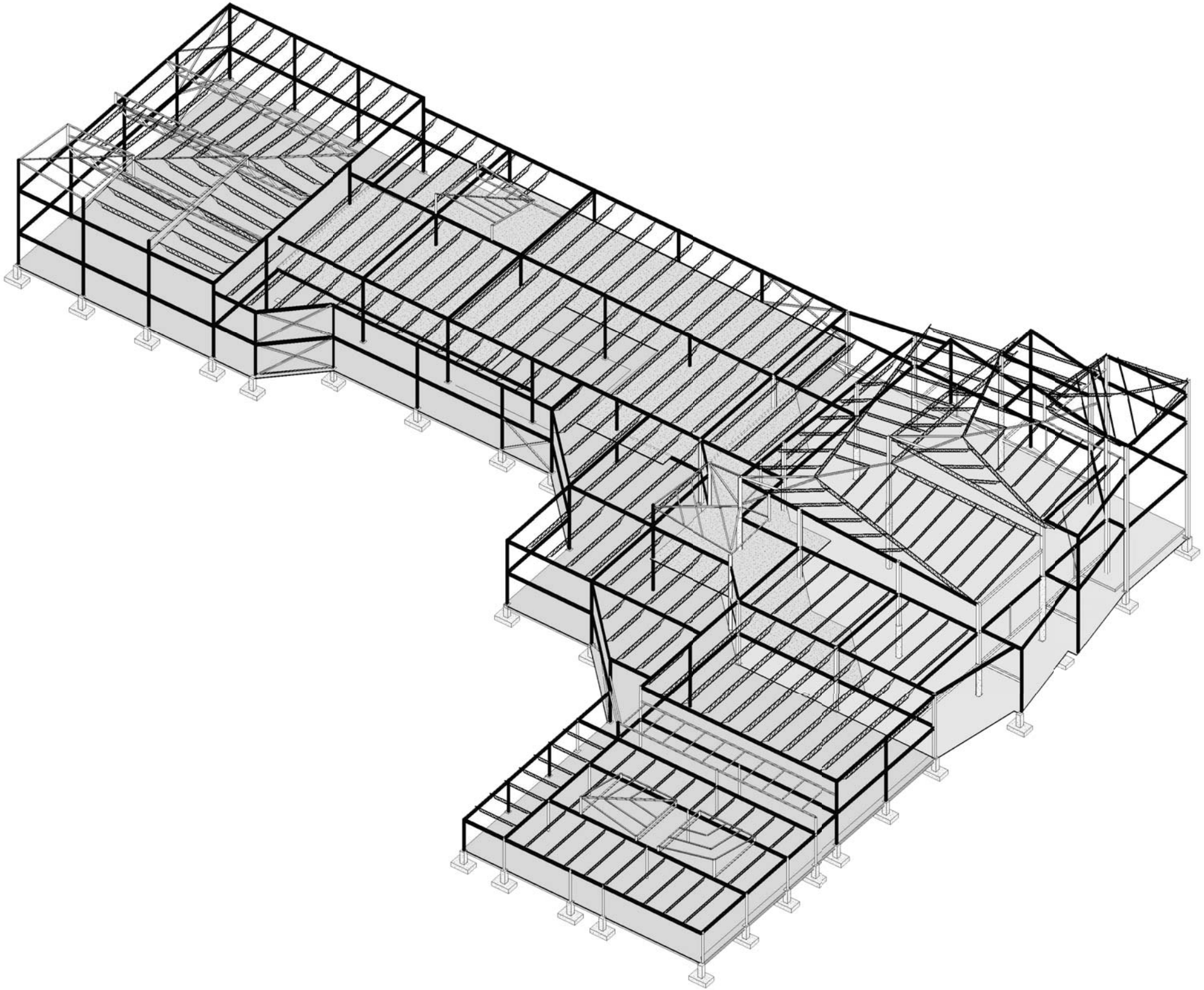
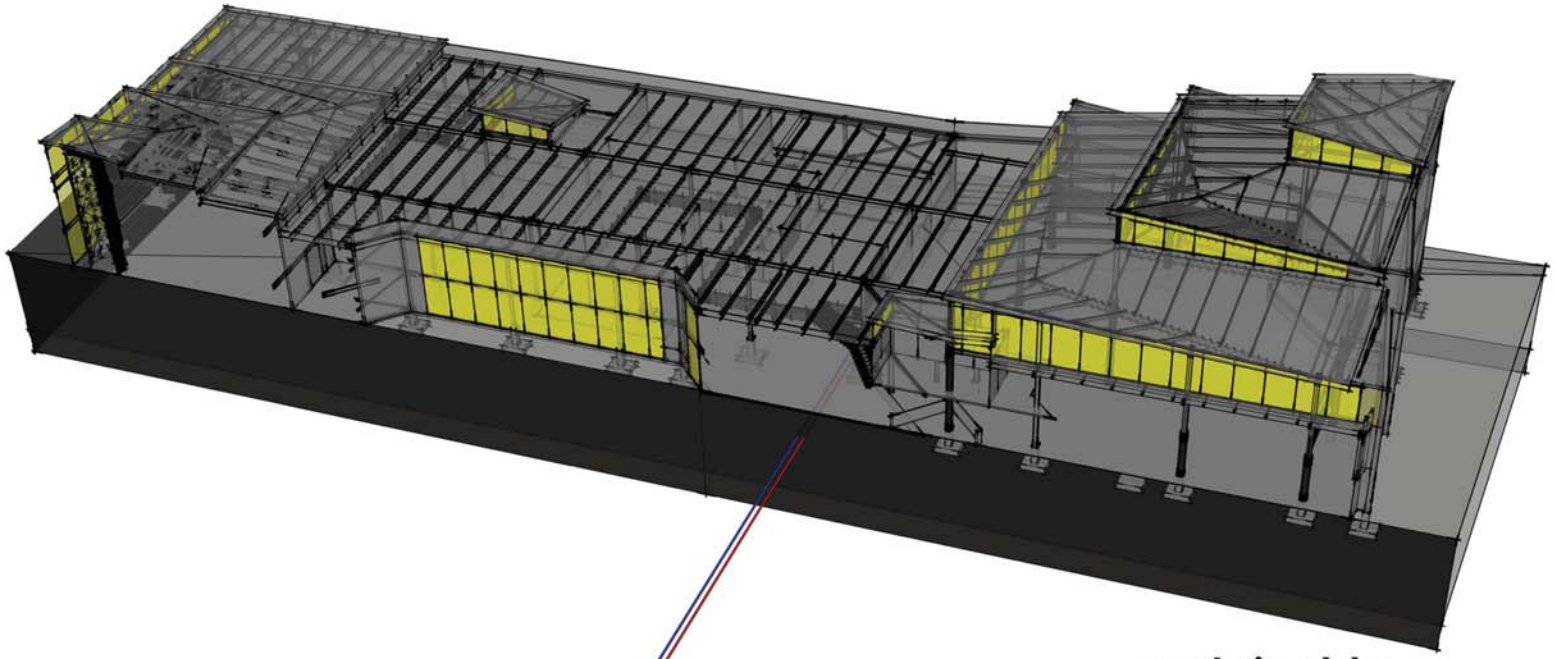
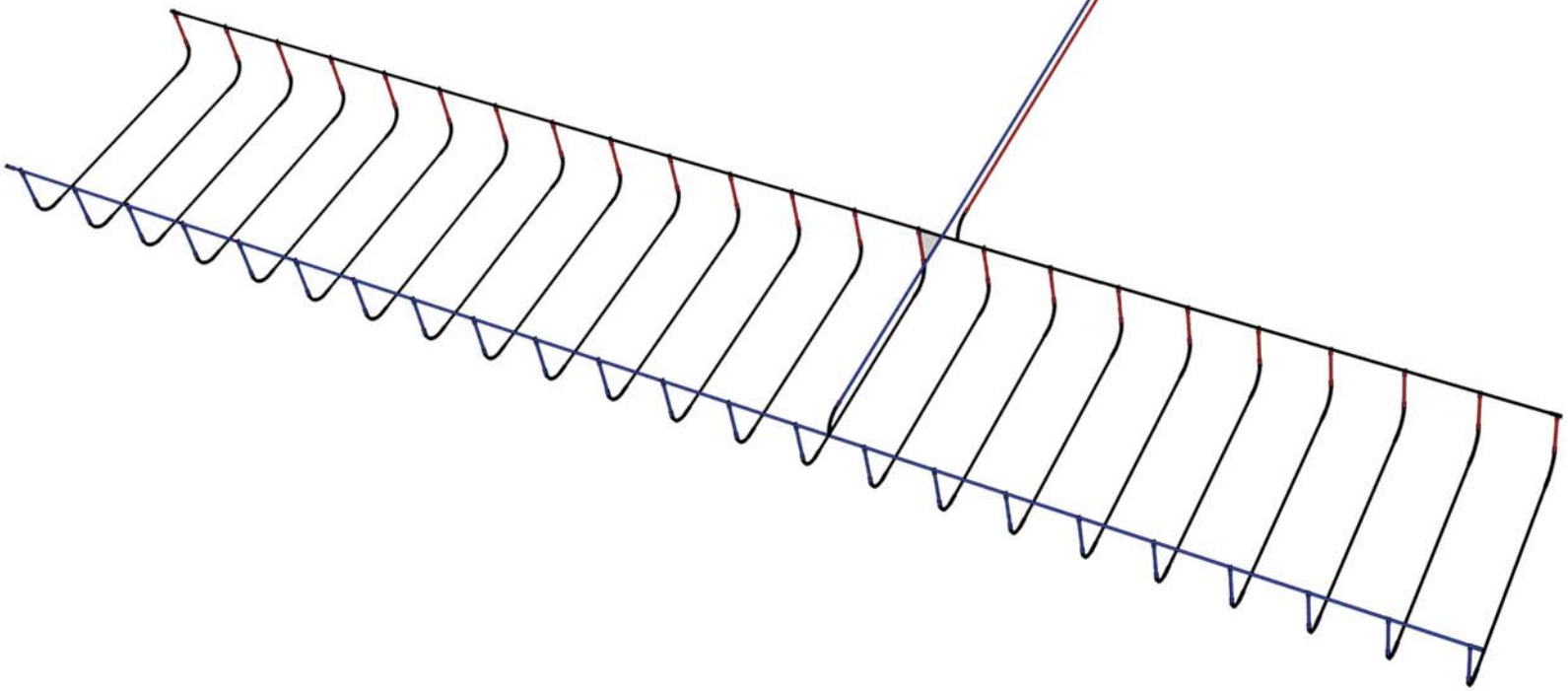
WELCOME! Minot AFB Chapel







sustainable features

direct solar gain
south facing windows

GEO THERMAL
HEATINGCOOLING

on site water collection

base **recycling** collection site

minimal material

local material

multi-use