

**EGR 495 Architectural Design Studio I**

**Assignment 1 F25 Site Design**

**Elizabethtown College**

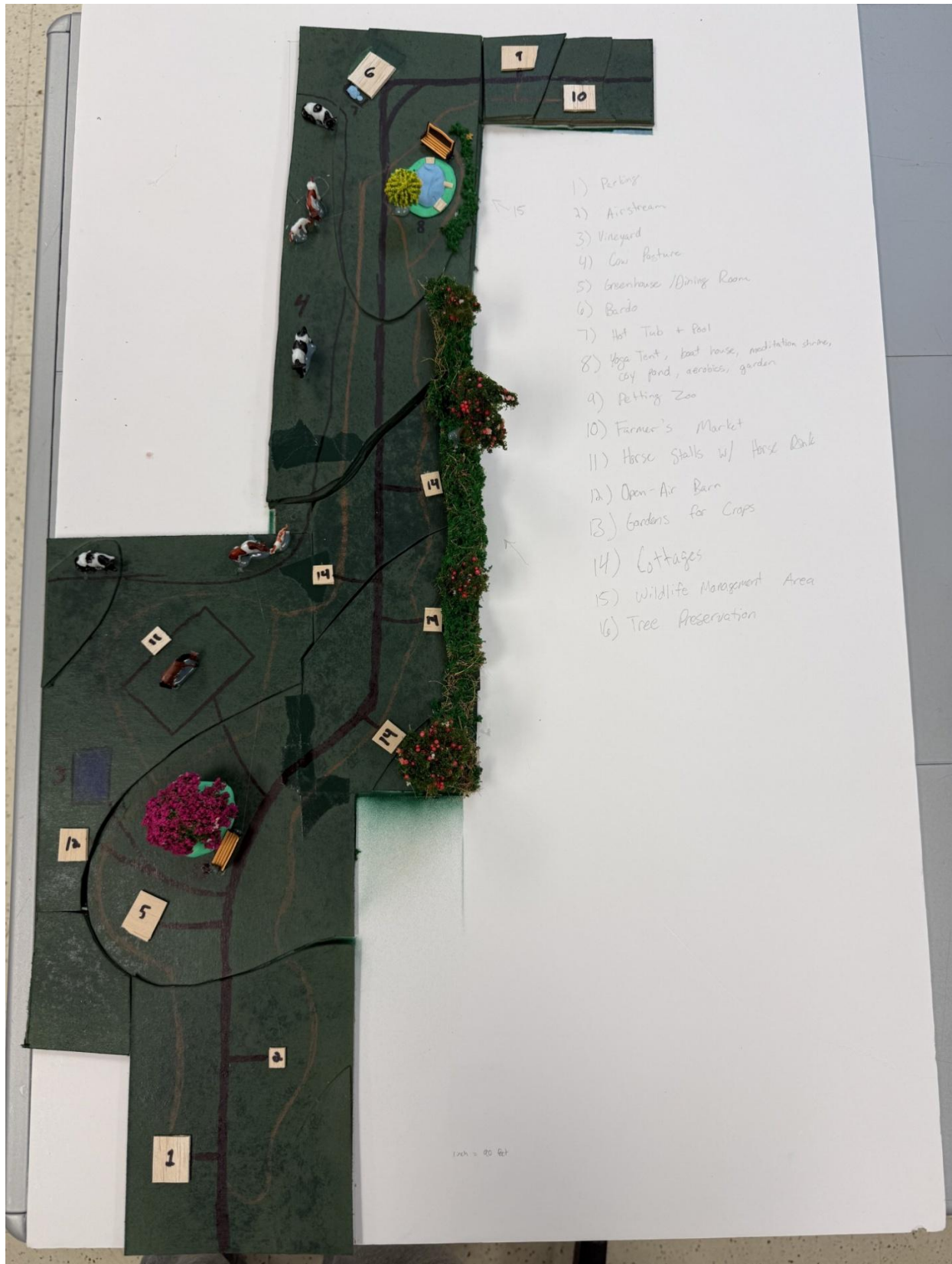
**December 4, 2025**



**Dylan Keck**

## Site Plan

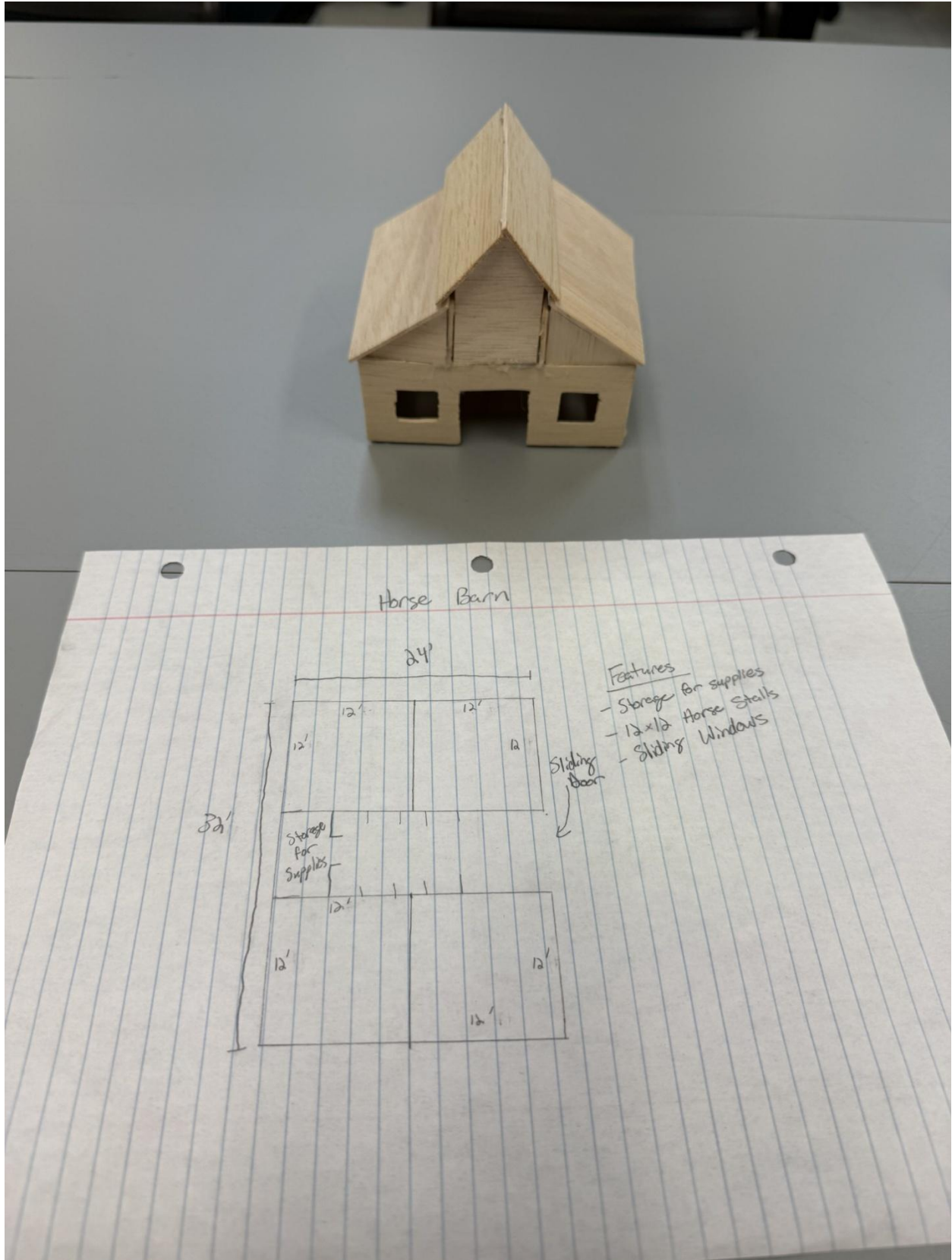
For the site plan on this project, I followed the preliminary design that the consultant wanted for the buildings that were listed. I ensured to label all the buildings and where I think they should go on the site. Parking, airstream trailer, vineyard, cow pasture, greenhouse/dining room, barn dominium, hot tub and pool, and yoga tent with coy pond, boat house, Japanese garden, and aerobic area were all placed within the spots of the preliminary design. After all of those were placed on the map, it was a matter of figuring out where things should go and why. The petting zoo and farmer's market were placed in the northeast quadrant of the site by consultant request. The horse barn with the stalls and horse rink was placed near the vineyard, cow pasture, and crops to give the site a perfect feel for the agricultural setting of the site. The greenhouse/dining room is positioned perfectly for the large windows to be facing the key plots of the land like the horses, crops, and vineyard. The open-air barn will be placed within close proximity to the vineyard for picture purposes as well as storage for maintenance tools on the crops and vineyard. The garden for crops will be close to the middle of the thickest section of the land to demonstrate the main purpose of the site and provide an appeal that you can overlook by driving by or even flying over the site. The cottages were placed where they are because of the trees that are already there before site development happens. There are three of them that will be right against the proposed tree preservation area, and one will be by the cow pasture. The cottages need to have a feeling of getting away, and having almost a woodsy setting around them or by some cows is the perfect setting to have. They are also right off the hiking trails that are on the site. The proposed wildlife management area will be around the coy pond, Japanese garden, meditation area, boathouse, yoga tent, and aerobics area to record to see if any animals are attempting to eat the fish out of the pond. There could also be small animals that are peaceful to watch that might migrate into the Japanese garden to live that gives it more of a relaxing sensation. As seen below, the proposed site design can be referred to below this paragraph for any confusion or clarifications that are needed.



Site Design for the project with labeled buildings and areas

## **Horse Stalls**

The horse barn with the stalls needed to provide 4 up-scale horse stalls. My design incorporates the four stalls that are 12 feet by 12 feet with a large 8 feet by 4 feet storage room in the back for feed and other equipment for horses. Each stall will have two sliding wooden windows for optimal air for the horses as well as natural lighting. Instead of coming to a point from both sides for a roof like a traditional horse barn, my design has lines that meet steeper lines for aesthetic purposes and superiority. The horse barn should be the best one that anyone has ever seen given the setting of the site. The entrance to the horse barn should be a large sliding door, so it is easy to open the door when you are trying to put horses inside. The horse barn and floor plan can be referred to below this paragraph.



**Floorplan with view of horse barn**

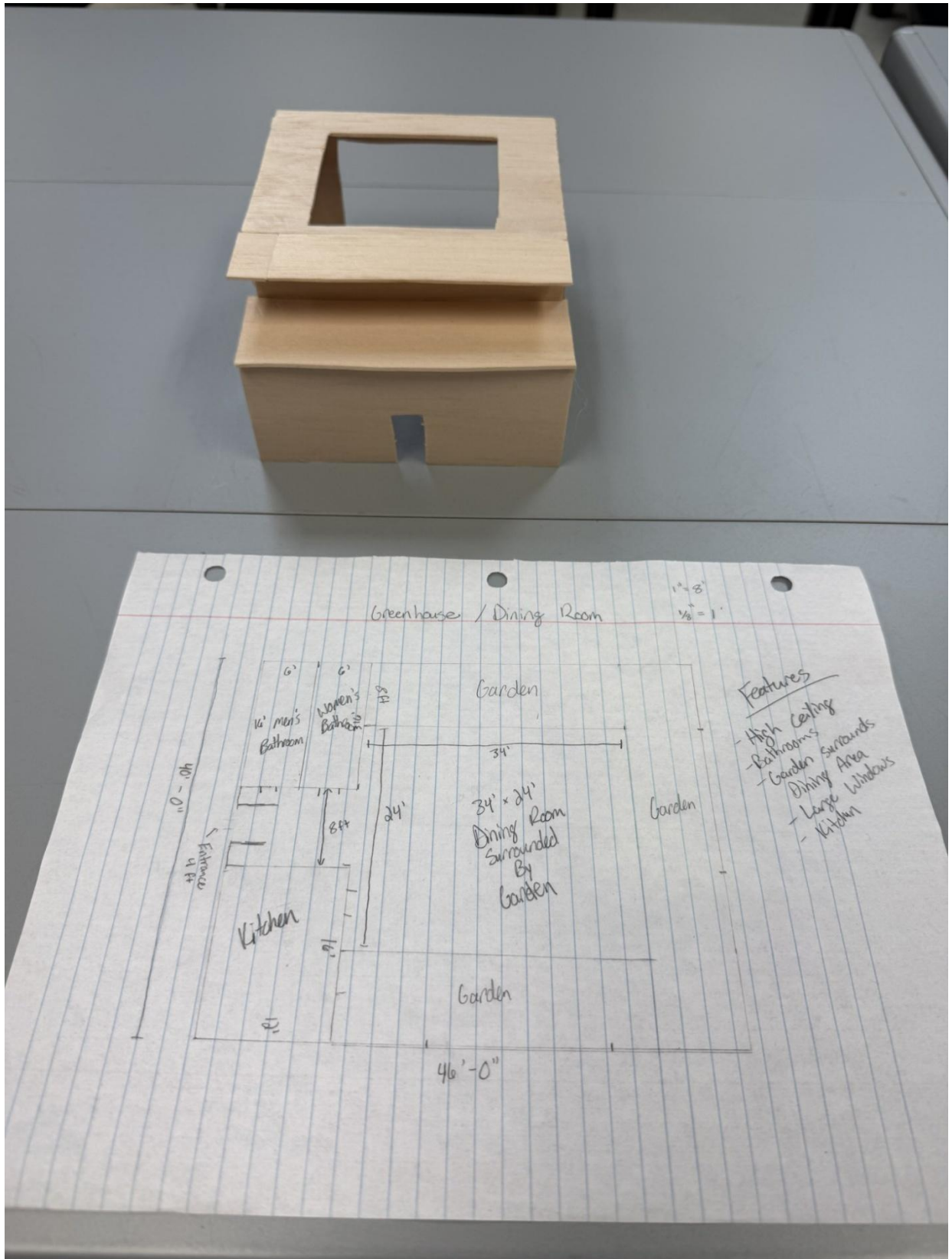




**Another View of the horse barn**

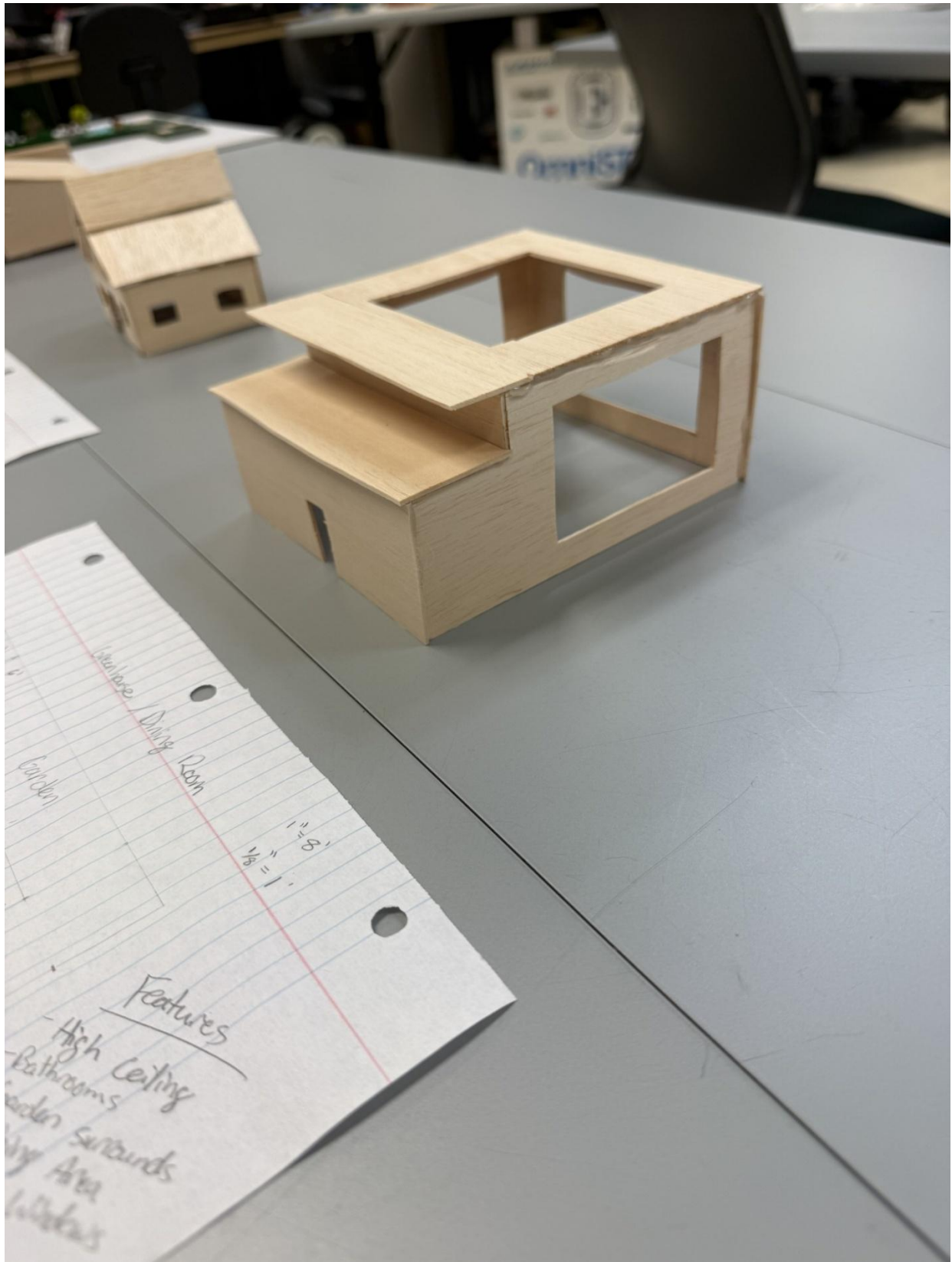
## **Greenhouse / Dining Room**

The greenhouse and dining room contains two bathrooms that are 6 feet by 16 feet for men and women. It has a kitchen that measures 12 feet by 16 feet. The dining room is 34 feet by 24 feet that is surrounded by a garden. The garden surrounds the dining hall and is placed on the north, east, and south sides of the dining room with each side being 8 feet in width. It can be seen with more clarity in the floor plan. It is important to have natural light, which is why there will be three large windows in the walls that contain the garden for natural light for the plants and dining room. There will also be a glass roof that will let sunlight in that ensures no dark spaces in there, so it feels warm and joyful while enjoying a meal. A high ceiling will be utilized so plants can grow to the fullest of their ability. More can be seen in the floorplan below.



Dining Room / Greenhouse floor plan with view of building

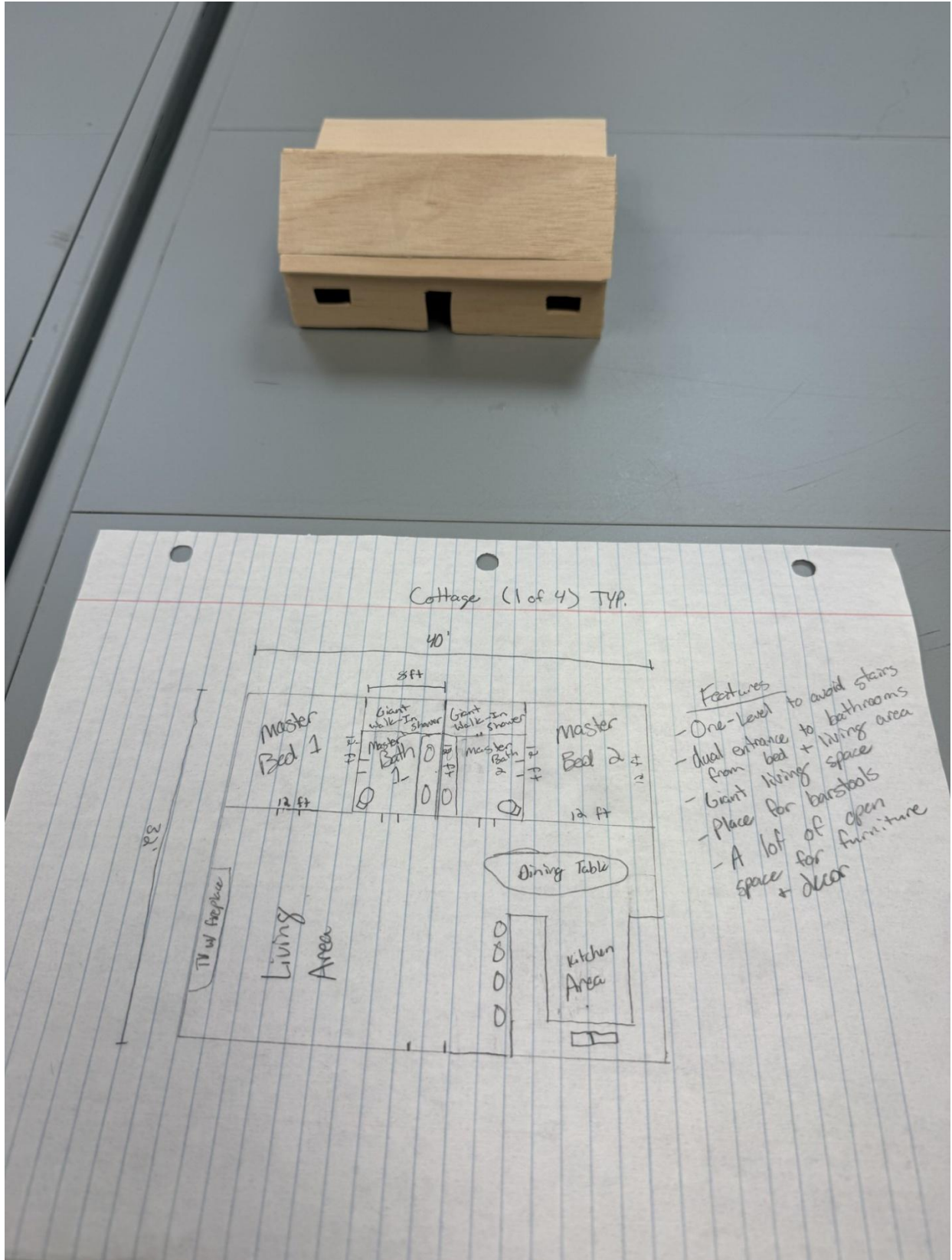




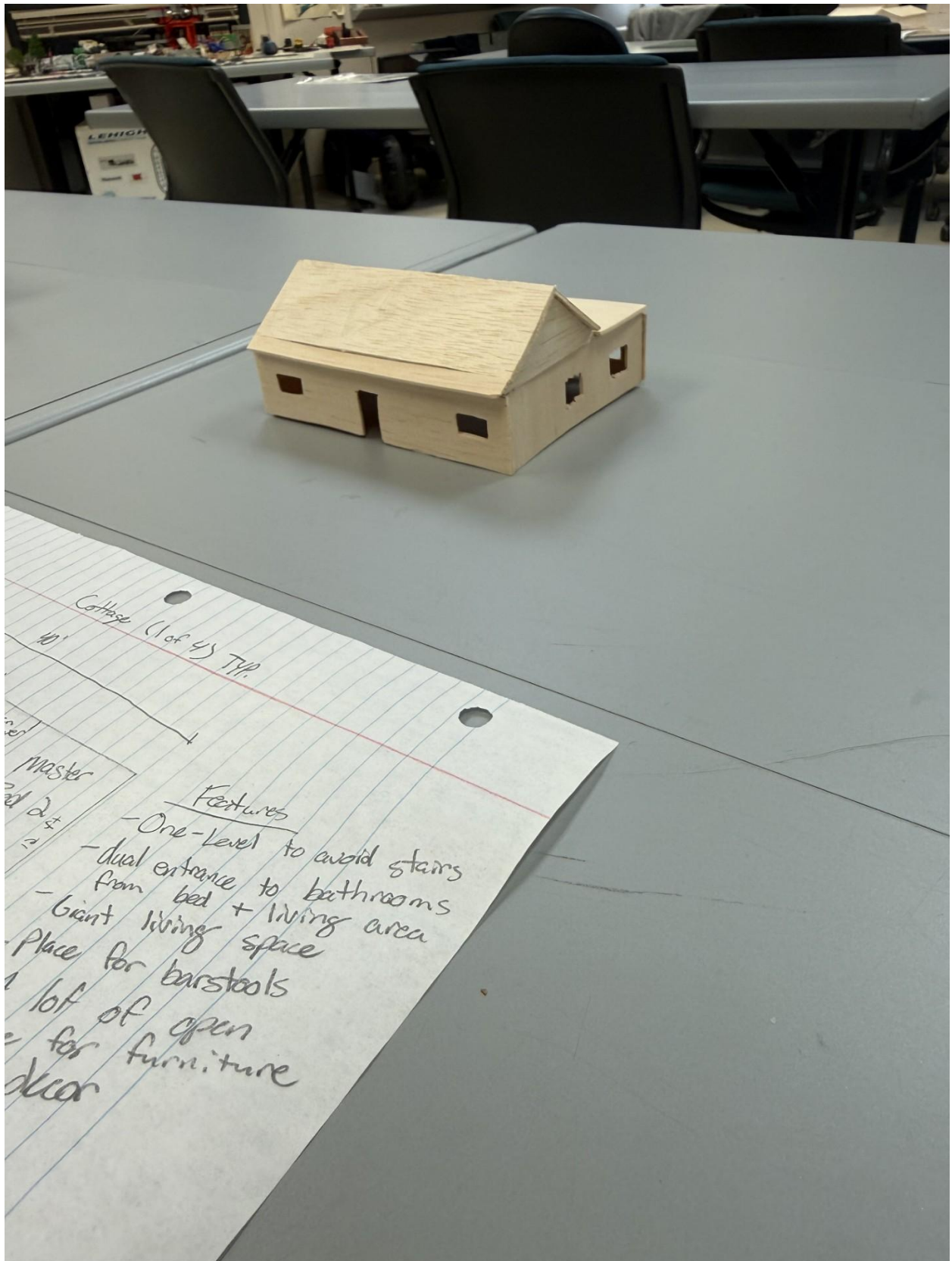
Another view of Greenhouse / Dining Room

**Cottage (1 of 4) TYP.**

For the cottage, there will be two identical master bedrooms and almost identical master bathrooms. The bedrooms will be 12 feet by 12 feet, and the bathrooms will be 12 feet by 8 feet. The difference between the two bathrooms will be that the one is mirrored over the 20 foot mark in the building as seen in the floor plan. There is a giant walk-in shower that is 8 feet by 4 feet for the most luxurious shower you could have, and there will be double sinks in both. The kitchen area will have a countertop in the southeastern portion of the cottage with barstools along the countertop that isn't against the wall. There will be a large living room for creative freedom with furniture and decor. The living room would have a fireplace with a TV right above it. It was important to avoid having stairs in case somebody that is elderly or someone that can't use stairs is in it, so it is accessible to everyone. The floorplan can be referred to below this paragraph for any confusion as well as the building.



Cottage floor plan and cottage



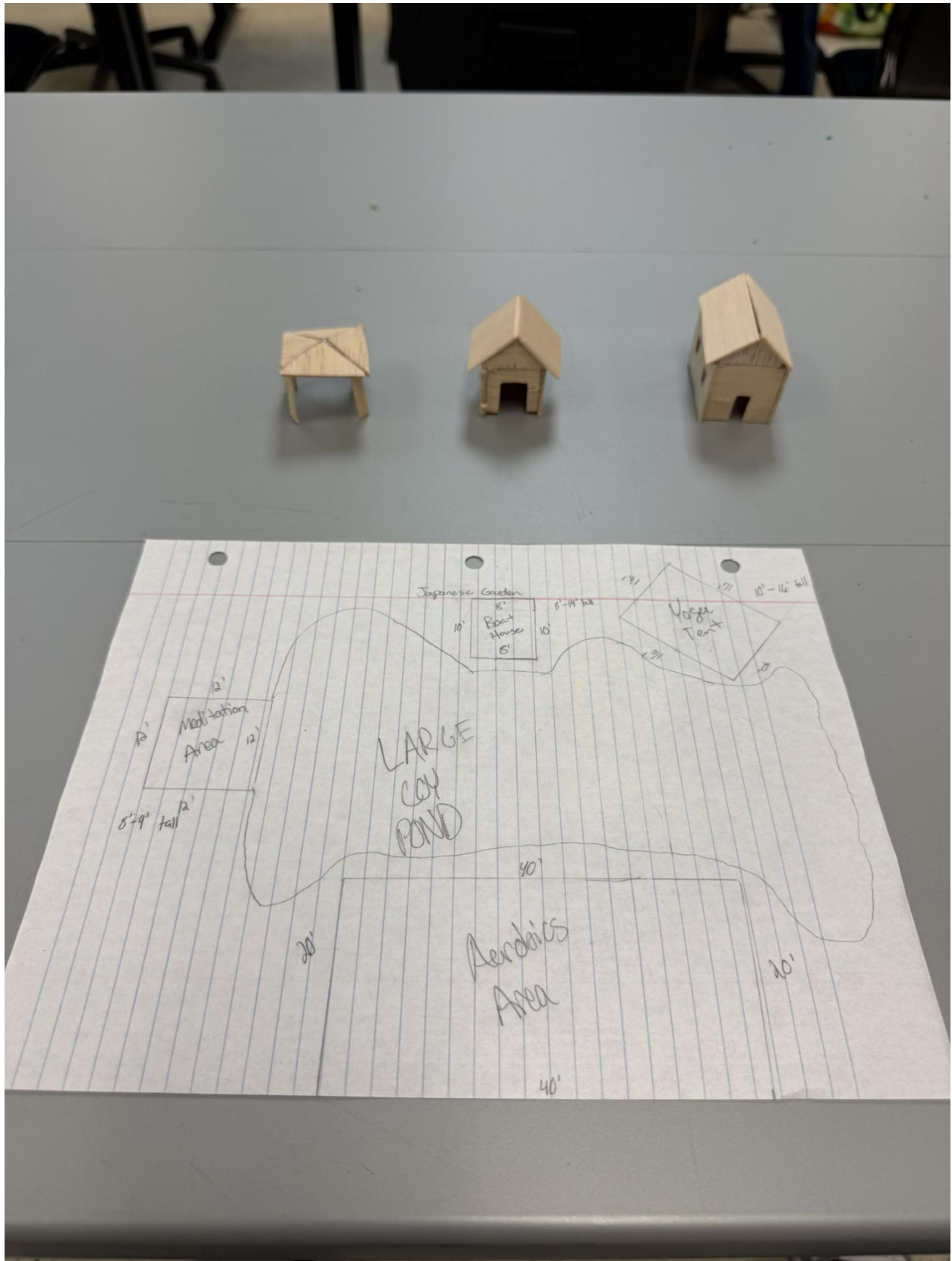
Side view of cottage



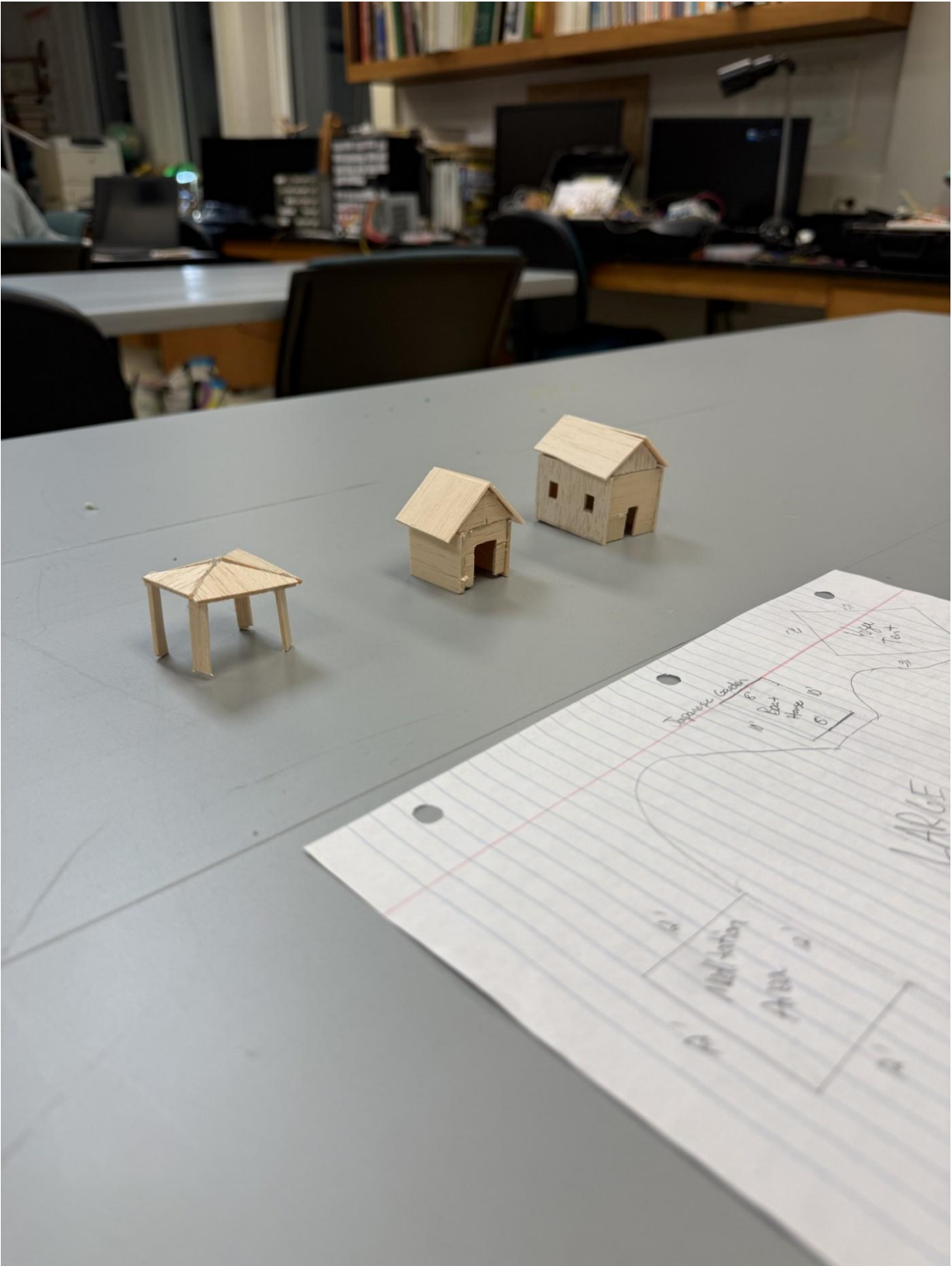
## **Japanese Garden**

The Japanese garden consists of the meditation area which is just a simple 12 feet by 12 feet shrine to give it more aesthetic from Japan. It'll overlook the coy pond to help find peace within whoever is meditating. There is an aerobics area that is 20 feet by 40 feet for up to 30 people to do aerobics. The yoga tent will be 16 feet by 12 feet, so a few people can do yoga inside of it at once. It has windows that will look over the coy pond that will help people feel at ease, and the entrance will be on the side. There will be a small 10 feet by 8 feet boathouse for canoe storage. It will have a garage style door on it to make it easy to slide the canoes or kayaks in and out. The floorplan and buildings are shown below.





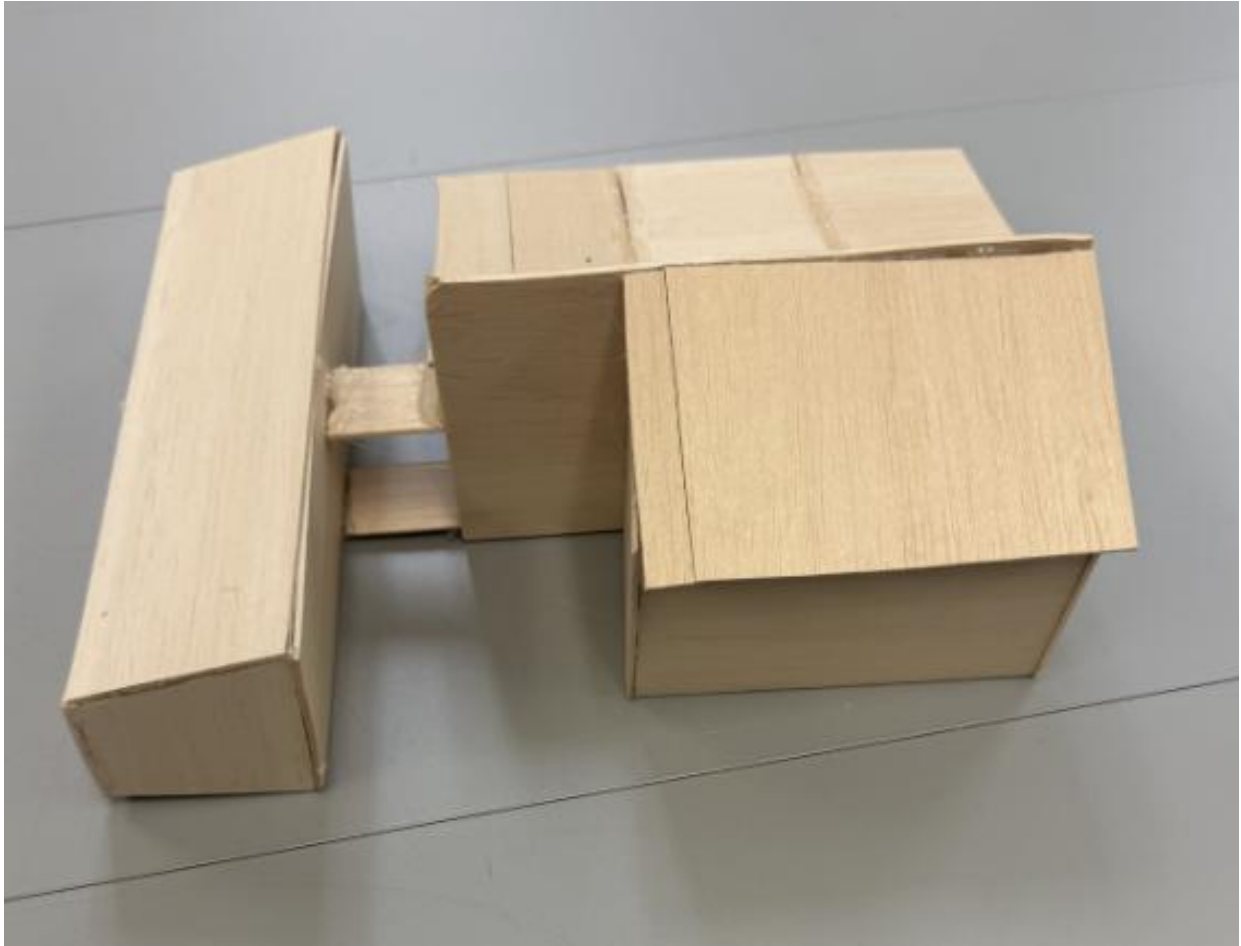
**Buildings and floor plan of Japanese garden**



**Side view of buildings in the Japanese garden**

## **Barn Dominium**

The plans for the barn dominium were followed when assembling it. Below is what it will look like.



**Picture of the Barn Dominium**

## **Excavation and Utilities**

There won't be too much excavation as my proposed layout has no existing topography changes except for the pool and coy pond. The only excavation that must happen would be general leveling for the buildings and digging out the pond and pool. The estimated excavation for everything should be roughly 425 cubic yards for everything. If there is other fill needed, it can be taken from the extra excavated earth from the pool and pond. For electric lines, I propose that they go in the ground for less risk of something happening to them, and it would hide ugly telephone poles from sticking out at random points on the beautiful site.