

Personal Project

Shed Documentation

Kenneth Nishiyama

Date: 5/1/2024 - 8/7/2024

Introduction:

In order to house my personal belongings when I am away for college, I created a shed in a 3 month span to increase living space in the house. This task included rigorous planning, utilizing Solidworks and design specifications to optimize price spending and design before going back to college. This shed is later planned to be converted into a living area, ideally next summer.

BOM Spreadsheet:

<https://docs.google.com/spreadsheets/d/1-VikJ8jlTG5kjbNCrzd2hblZYhx9DDaAkWeq7EUnA/edit?gid=0#gid=0>



Figure 1.1: Initial Base of Shed



Figure 1.2: Revised Base, gravel base was too expensive (approx \$1000)



Figure 1.3: Continued Base, 4 cross beams, each supported by a 6 in gravel base and cement block



Figure 2: Installed Insulation under OSB board and wired/boarded edges for rodent protection. Added two of four frames



Figure 3: Installed 3rd Frame



Figure 4: Installed 4th Frame

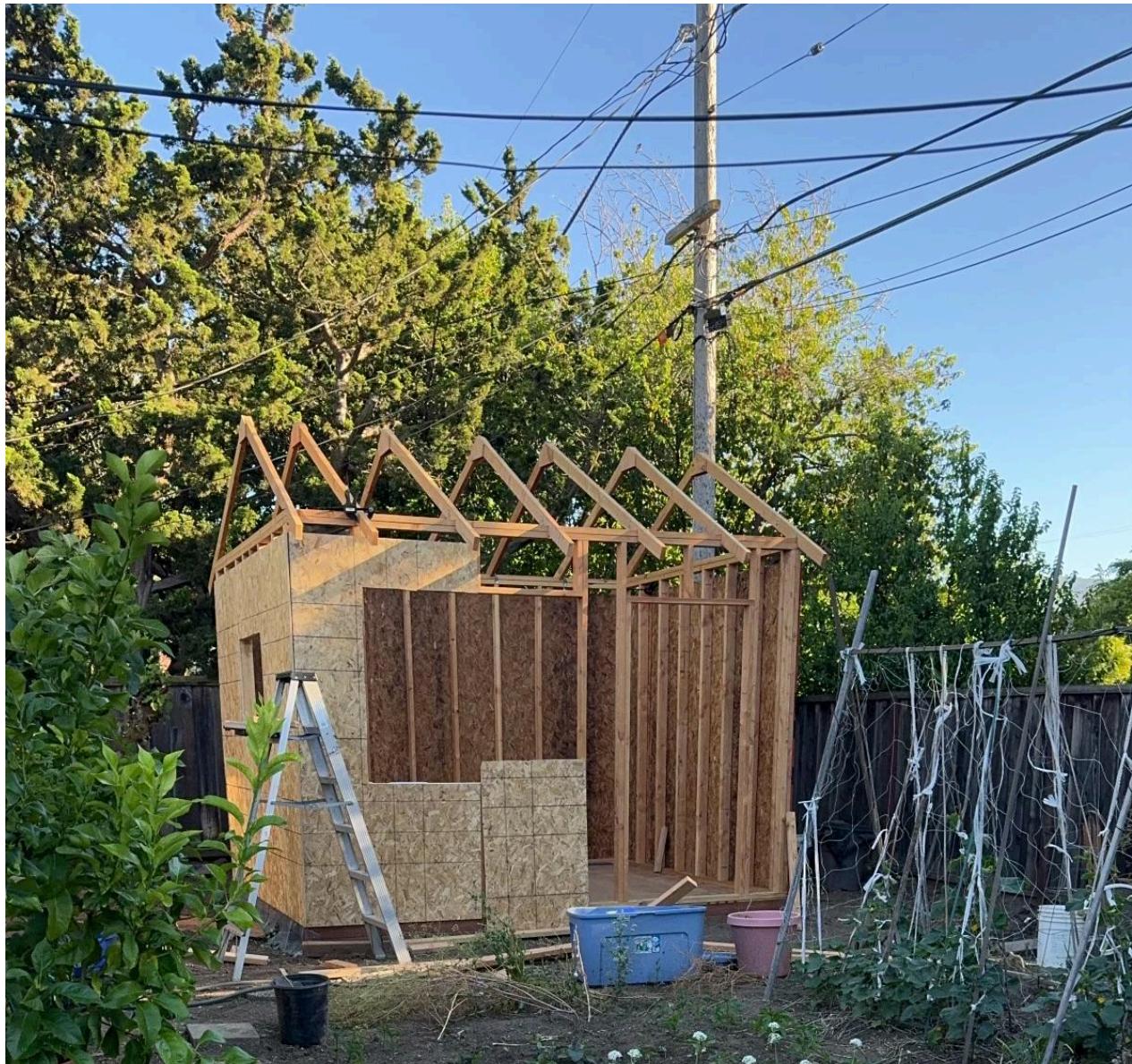


Figure 5: Installed Roofing Frame and began siding the walls with plywood



Figure 6: Installed Roofing Felt and prepped for shingles



Figure 7: Side view of all plywood siding



Figure 8: Installed all windows/doors with Tyvek weather wrap



Figure 9: Interior Insuation Right side



Figure 10: Interior Insulation Left Side

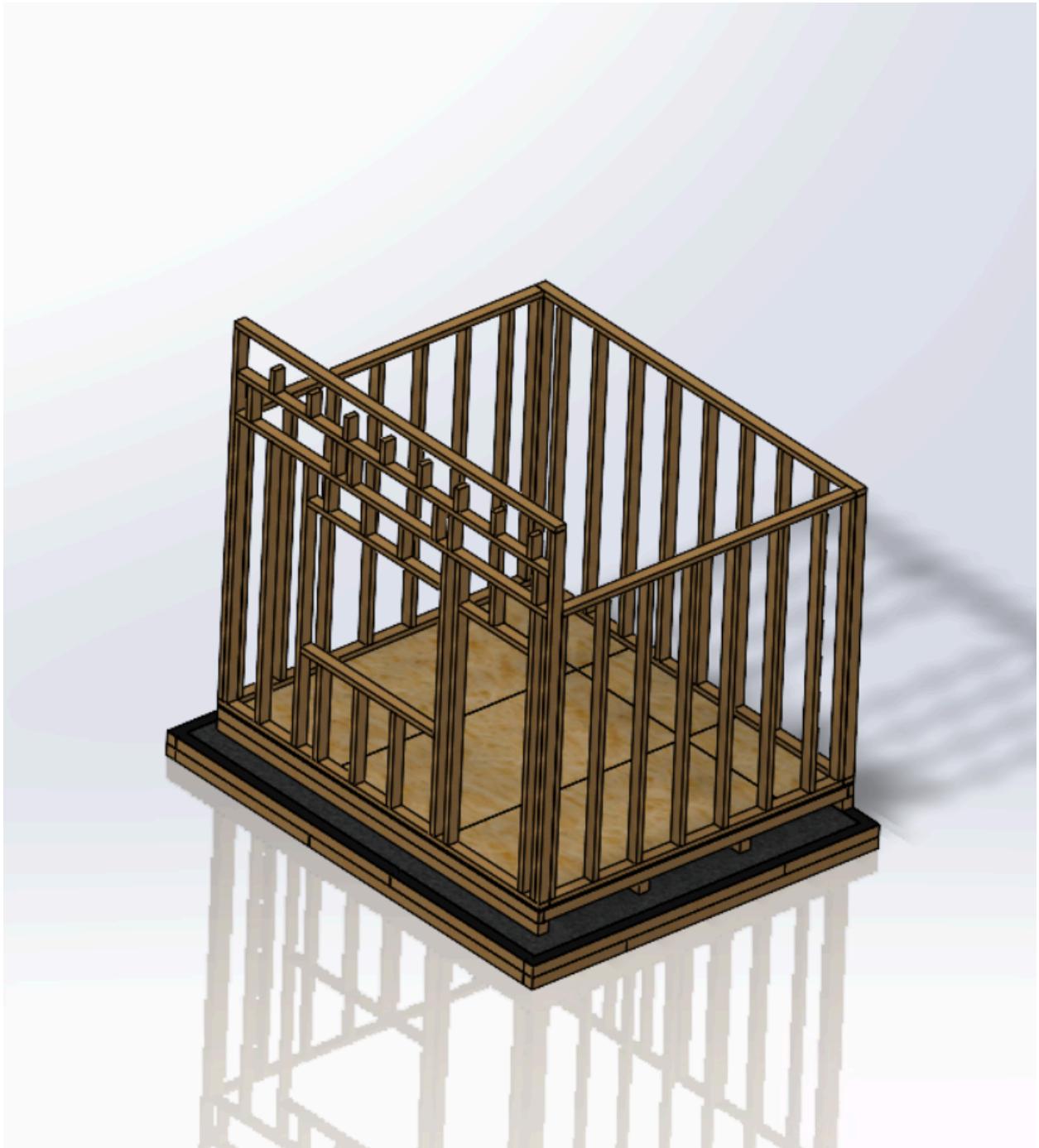


Figure 1.11: Original CAD concept of shed