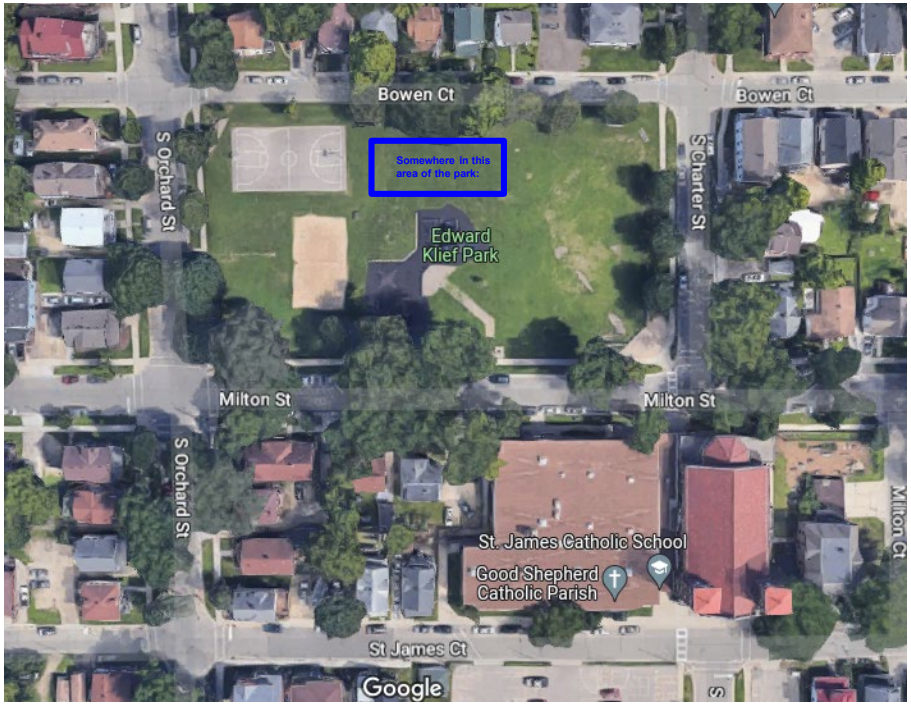
My Eagle Project

The Basics:

- Gaga-Ball pit at Edward Klief Park
- The pit will have a diameter of 20 feet
- Gravel base will be built by the parks department
- Afterwards, me and a group of scouts and leaders from my troop will build the sides of the pit
- Parks has agreed to cover the cost of the base, but I will cover the cost of building the sides
- It will be built on sunday, June 11th
- Alternative date is June 25th, if it is raining, I am sick ect.

Location:


Bowen Ct
Bowen Ct
Somewhere in this area of the park:
S Orchard St
S Charter St
Edward Klief Park
Milton St
Milton St
S Orchard St
Milton Ct
St. James Catholic School
Good Shepherd Catholic Parish
St James Ct
Google

Benefit:

- Edward Klief park is used frequently by both children in the area and students from UW
- Children St. James school also use it during recess
- From my experience, gaga ball is very popular among children of a wide range of ages, and I think this project will be a valued addition to the park
- I have also taken multiple measures in the building plan to make sure it lasts as long as possible

Funding:

- The estimated cost for the sides of the pit is roughly $1000
- I will make a GoFundMe for the project, and post it in the Greenbush neighborhood email group, and possibly a St. James email group as well
- I will also send it too some of my relatives and family friends
- If the GoFundMe comes short of the goal, I will make up the difference out of pocket
- I will make sure this is all within the BSA’s fundraising guidelines

Materials and Estimated Cost:

6x: Ground contact pressure treated 2 x 12 x 10 foot boards	$180 (Home Depot)
18x: Untreated 2 x 12 x 10 foot boards	$320 (Home Depot
12x: Ground contact pressure treated 4 x 4 x 6 foot posts	$115 (Home Depot)
24x: 50 pound bags of fast setting Concrete mix	$160 (Quikrete)
1 pound: Nails (size doesn’t matter)	$5 (Porter-cable)

(costs are rounded to the nearest 5)

Materials and Estimated Cost:

1x: Untreated 1 x 4 x 8 foot board	$5 (Home Depot)
48x: ⅜ inch x 7 inch carriage bolts (+ nuts and washers)	$75 (Bolt Depot, Inc.)
28x: 2 inch screws	$5 (Grip-Rite)
96x 4 inch screws	$20 (Grip-Rite)
2 gallons: Transparent oil-base exterior stain	$75 (BEHR)

Tools:

-Miter Saw

-Belt Sanders

-Electric Drills/Screwdrivers

-⅜ inch drill bit that is over 5 inches long

-Hammers

-9/16 inch hexagonal electric socket wrench

-Post-hole Diggers

-4 5 gallon Buckets

-Wooden dowels for mixing concrete

-Wheelbarrow

Available Tools to Borrow:

2x: Handheld Belt Sanders

3x: Cordless Electric Drills/Screwdrivers

1x: ⅜ inch spade drill bit

3x: Hammers

1x: 9/16 inch hexagonal socket drill bit

4x: Manual Post-hole Diggers

1x: Electric Post-hole Digger (plug-in)

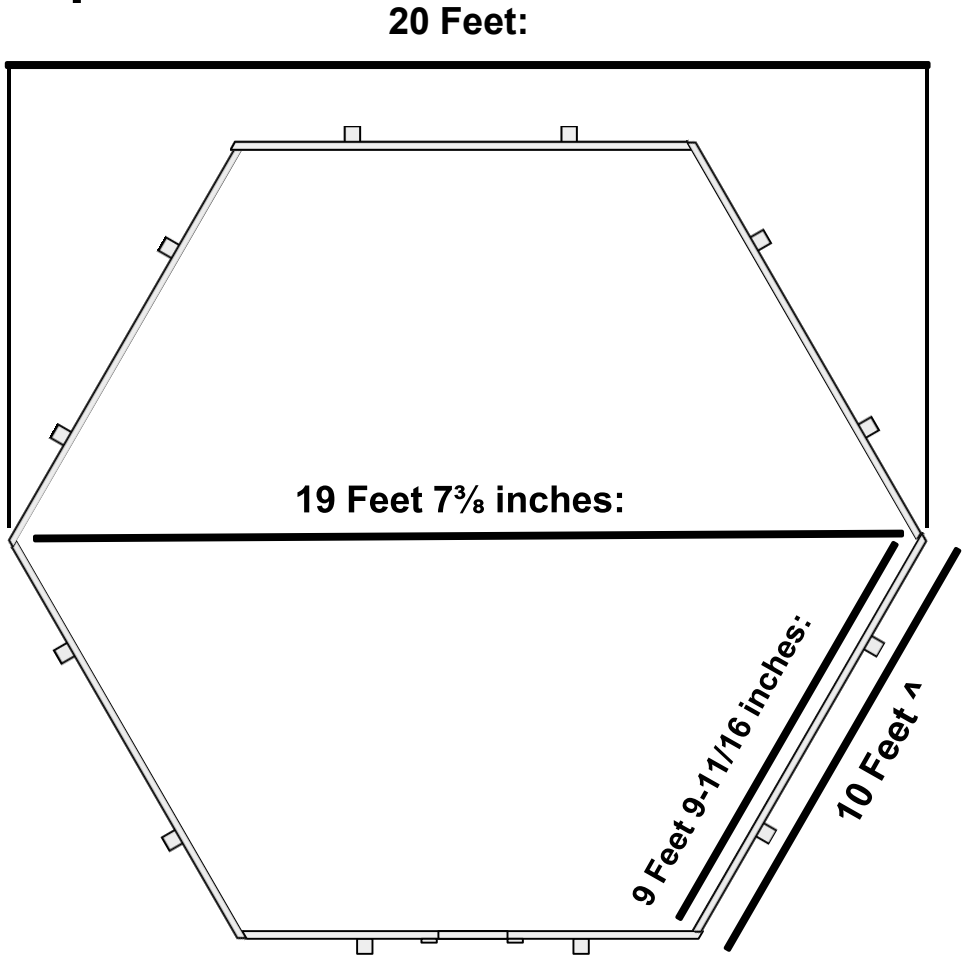
5x: 5 gallon Buckets

1x: Wheelbarrow

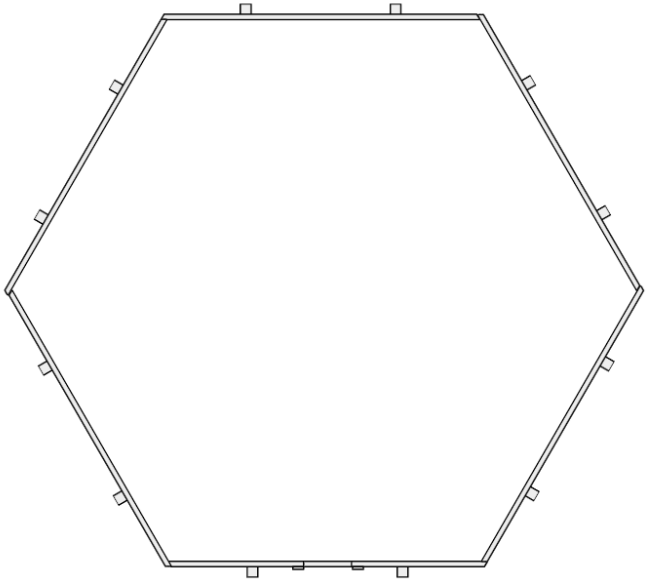
Tools that will be bought:

1x: ⅜ inch spade drill bit	$10
1x: 9/16 inch hexagonal socket drill bit	$10
2x: 5 foot wooden dowels	$15
Small portable generator, rented for 4 hours	$45

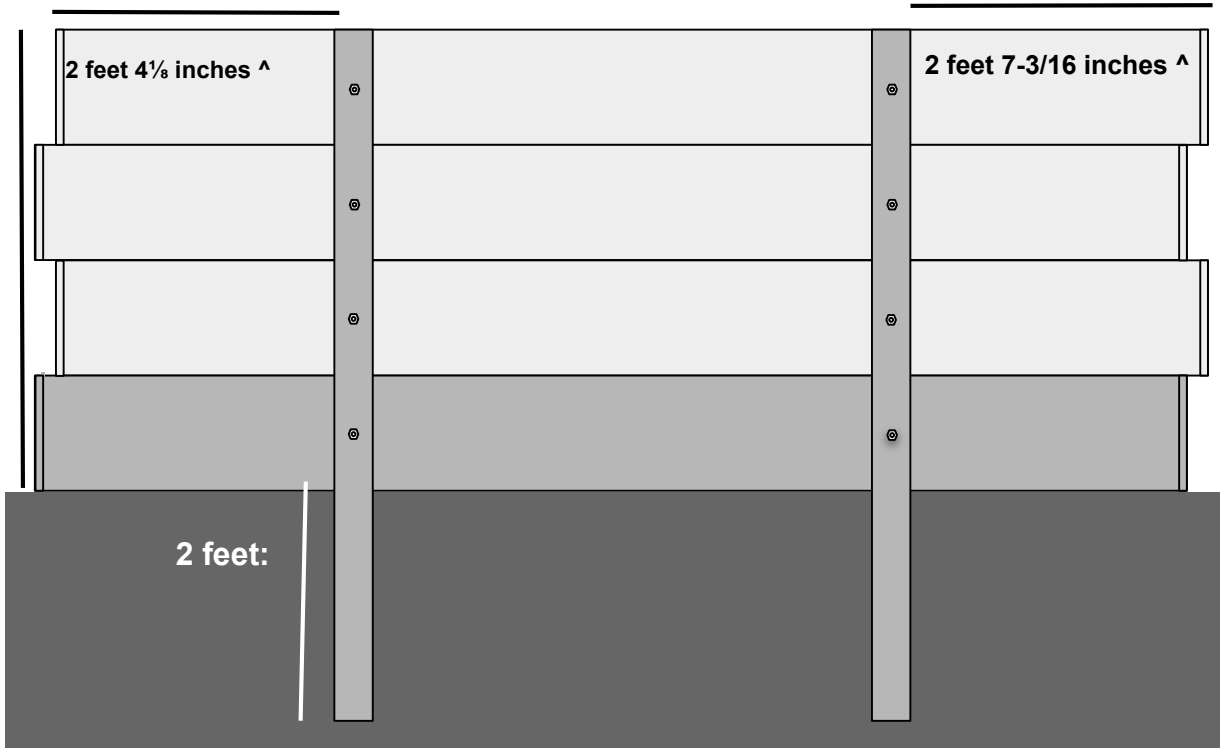
Top View:



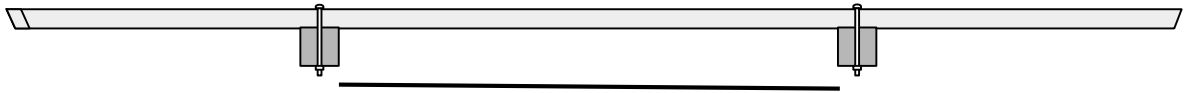
Pit Sides:



= Ground Contact Pressure Treated Wood
= Untreated Wood
= Below the Ground

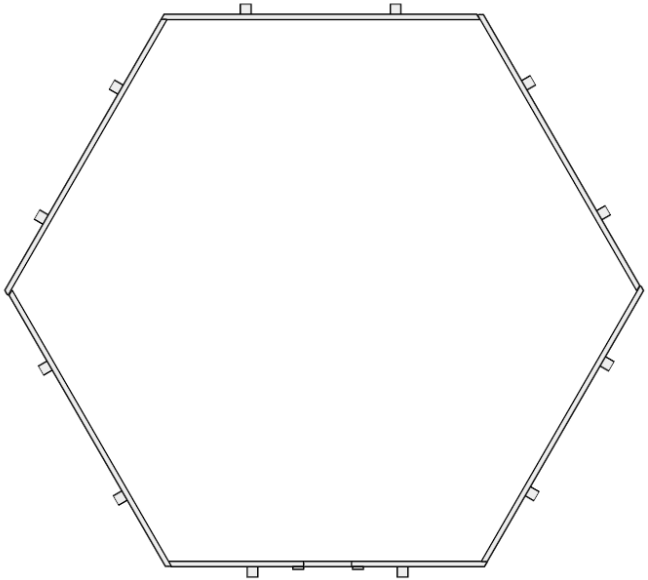


Bolts will be put in with the heads facing inside and the nuts facing outside.



4 feet 4 inches ^

Pit Entrance:



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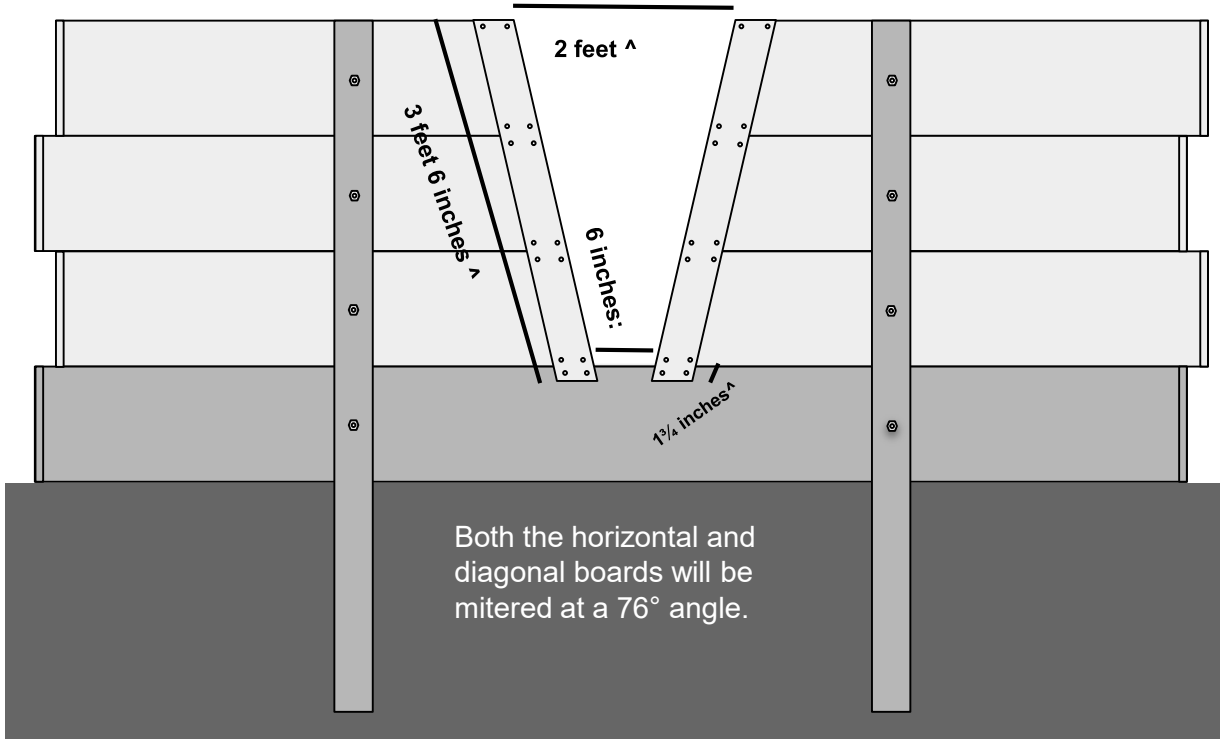
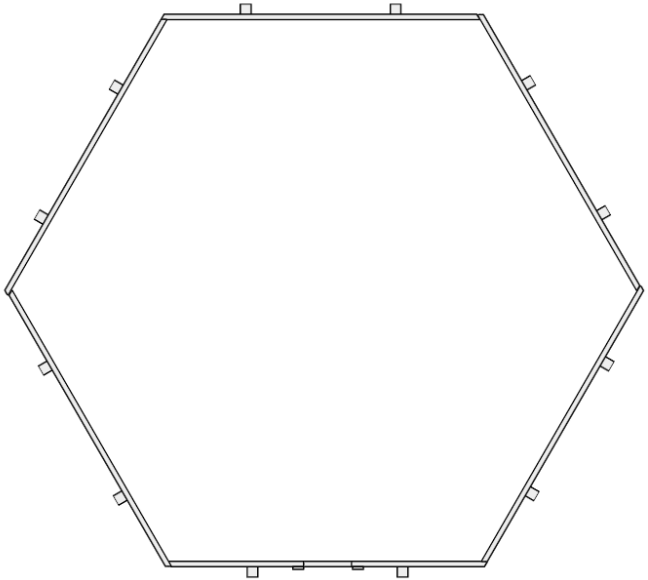


1 foot 2 inches:

Pit Entrance (Inside view):



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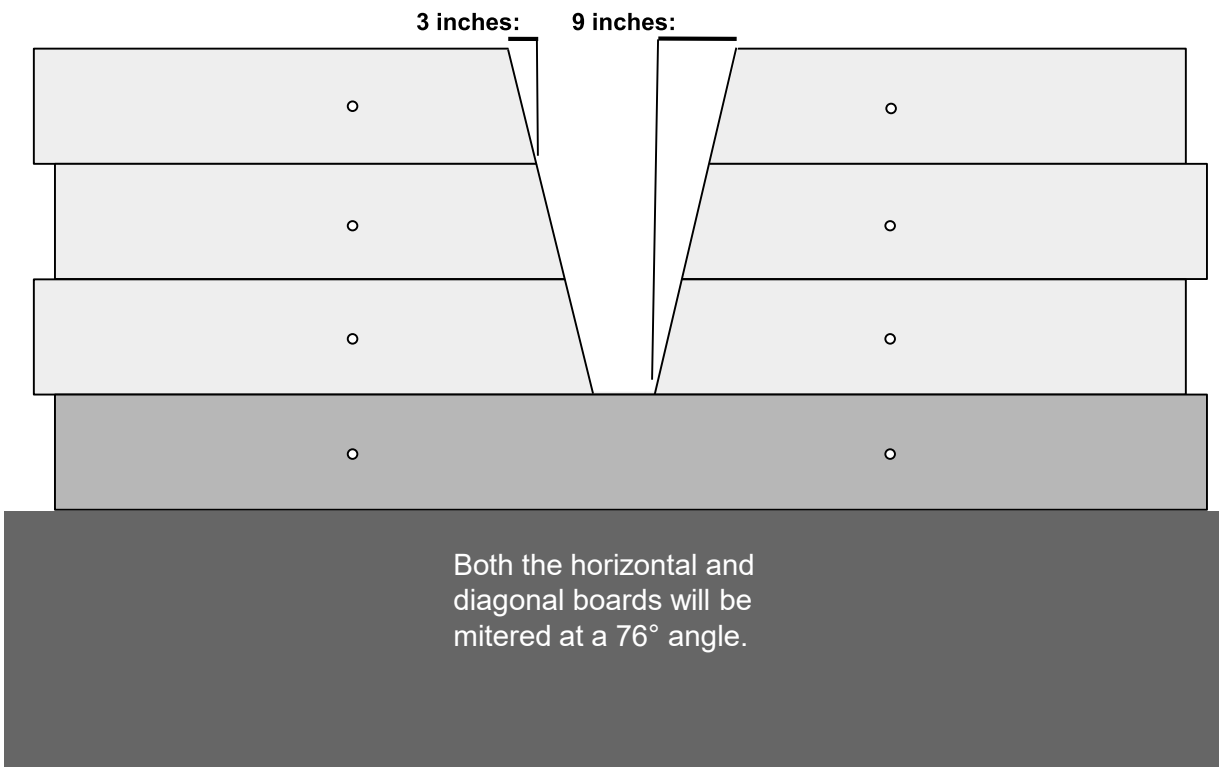
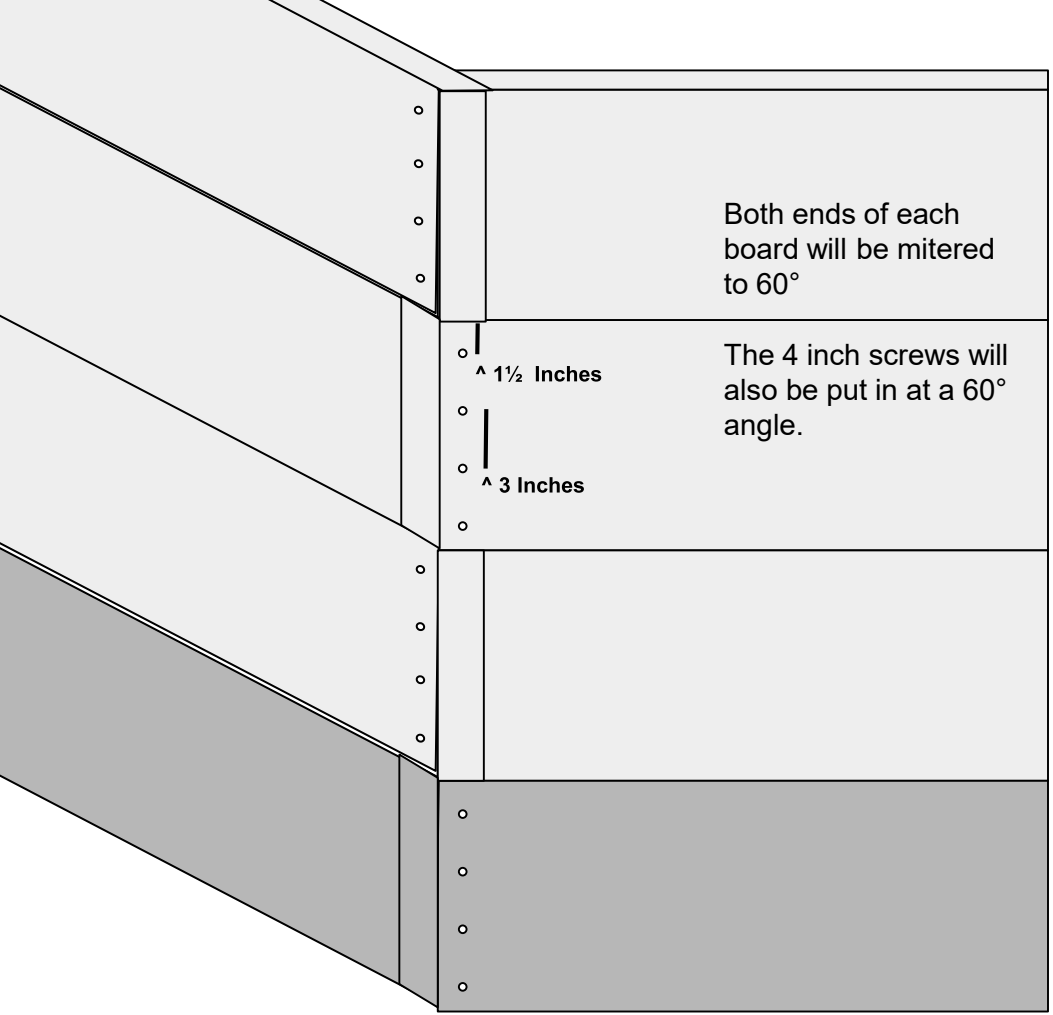
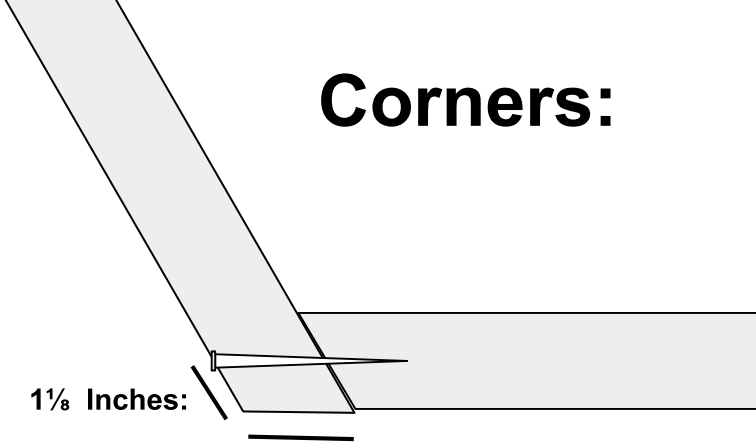


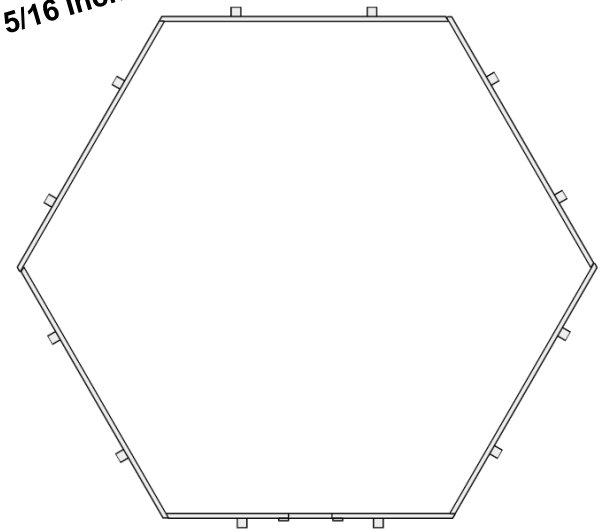
Corners:



Both ends of each board will be mitered to 60°

The 4 inch screws will also be put in at a 60° angle.





Construction Steps:

The lumber will be taken from the distributor to Mr. Schultz's house beforehand via Mr. Schultz's truck.

On saturday, June 10th, the boards will be mitered and sanded, and the holes for the bolts will be drilled.

On the second day, the lumber will be put back into the truck and taken to Edward Klief park.

At the park, the posts will be put into the holes. Before each post is put in, several nails will be hammered into the underground section at diagonal upward anges.

The horizontal boards will be lined up with the already-drilled holes, and the bolts will be hammered and bolted in.

The diagonal boards on the entrance will be screwed on, and the sides will be screwed together, then the angle brackets will be screwed onto the inside corners.

The concrete powder will be poured into the holes. The water will be poured in from the buckets, and will be mixed in with the wooden sticks. Since the sides will already have been connected, the structure of the put will keep the posts in the position when the concrete is hardening.

After the concrete has dried significantly, the stain will be applied to the pit.

Questions?