



CLIENT
Skills Alberta

PROJECT
Cornhole

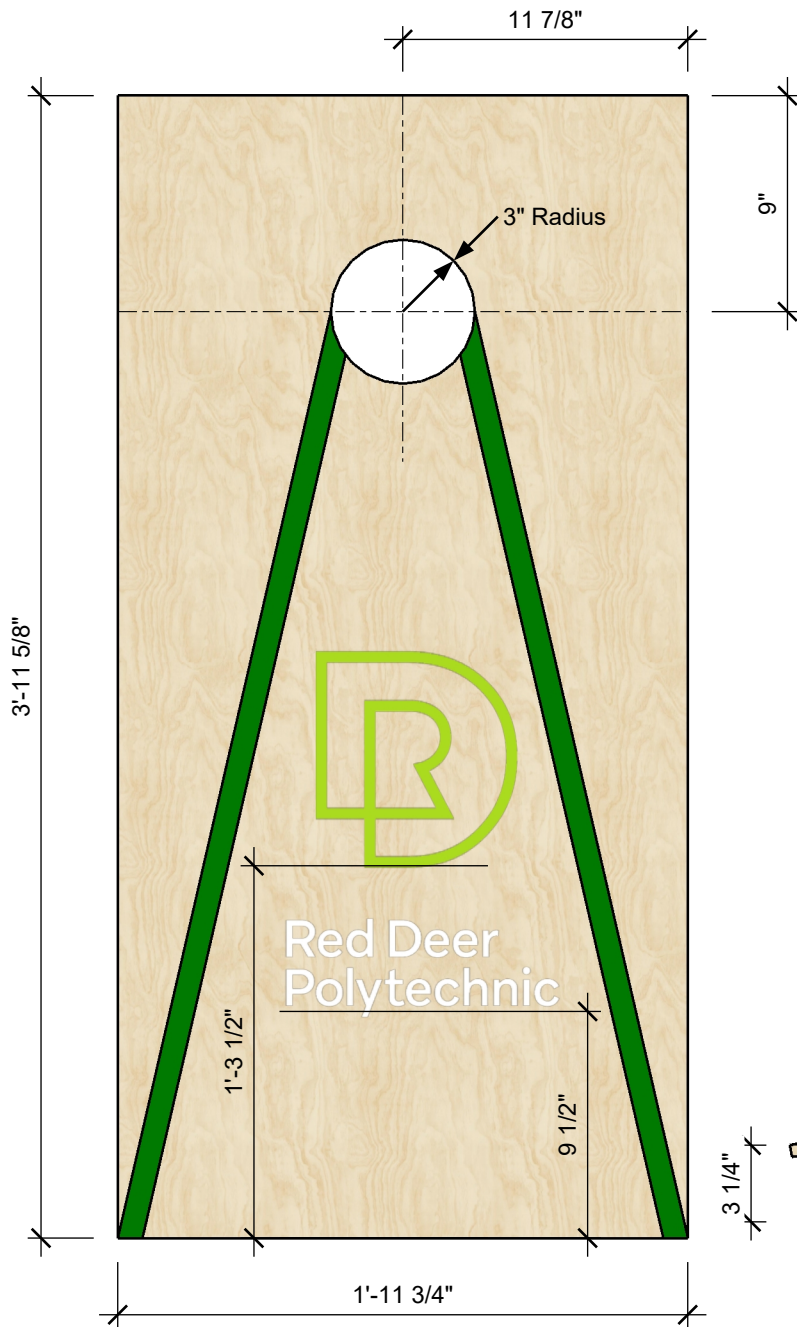
PROJECT NO.
1001

ISSUE
March 1, 2022

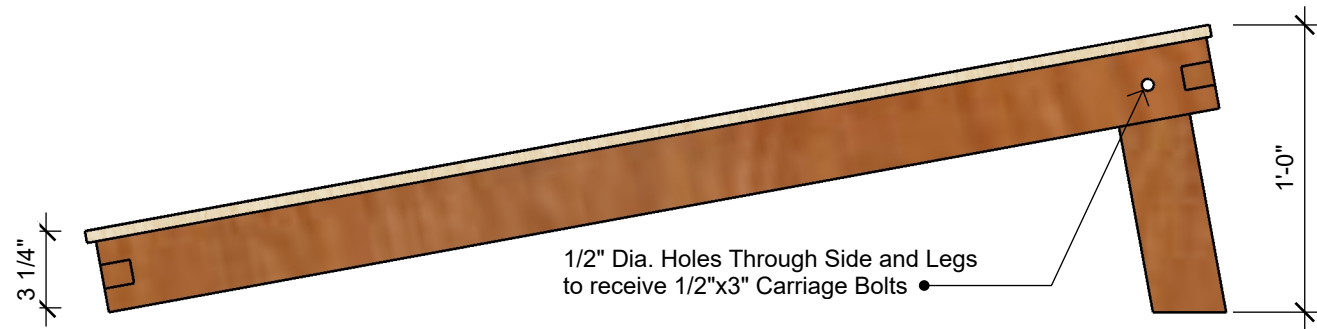
DRAWN BY
Larz Hirschhorn

DESCRIPTION
Isometric View

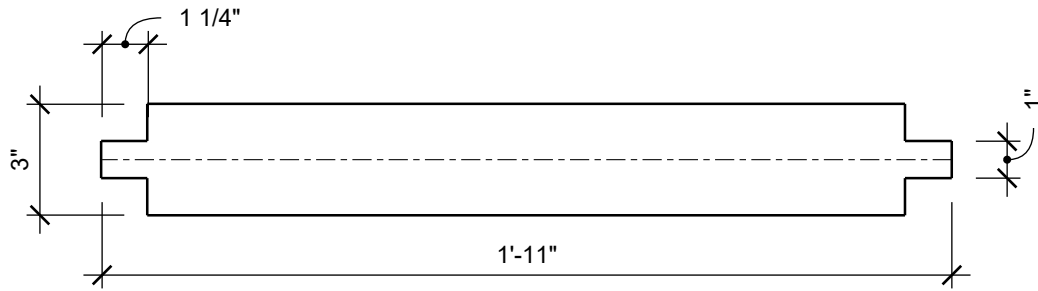




Package List	Quantity
Sides, Ends, Legs & Waste Factor	4 - 48" Cedar 2x4
Top	1 - 24"x48" 1/2" Birch Ply.
1/2"x3 1/2" Carriage Bolts	2 - with washers and nuts
#8 - 2 1/2" screws	8
Biscuits	10 - #10 biscuits
Stickers	4
Varnish	1
Brush	1

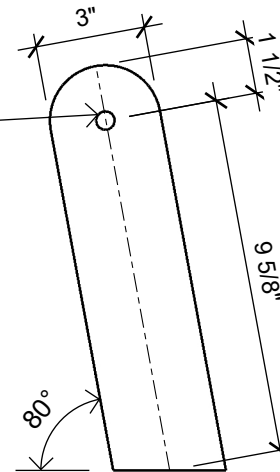


Procedure	Tool Option #1	Tool Option #2
Dress all 2x4 cedar to dimension for frame & legs	Jointer/Thickness Planer	Bandsaw & Table Saw
Cut top to size	Table Saw w/crosscut blade	Tracksaw
Cut 6" hole in top	6" holesaw	Jigsaw
Prepare Bridle Joints	Tenon Jig (Tablesaw)	Handsaws, skillsaw or bandsaw and Chisel
Shape Legs	Bandsaw & Mitre Saw	Jigsaw and hand or electric saw
Drill 1/2" holes in legs and sides of frame	Drillpress with 1/2" forstner	Electric Drill with 1/2" forstner
Assemble Frame	Glue and clamp	Glue and Screw
Sand and Ease top & all edges	Orbital sander & trim router	Block sander w/grain direction
Apply Stickers (ensure top has been cleared of all dust)	Plastic card and utility knife to flatten & trim	
Apply Varnish (follow manufacturers application instructions)	Synthetic brush & 220 grit sanpaper	
Fasten Top to Frame	Biscuit jointer or domino, glue & clamps (see layout)	90° angle brackets and 3/8" screws with glue
Attach Legs	Wrench to tighten nuts	

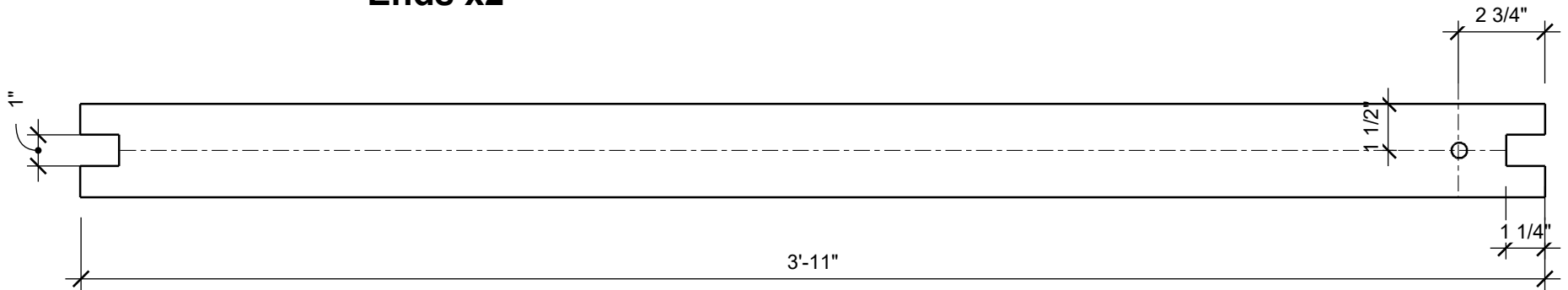


Ends x2

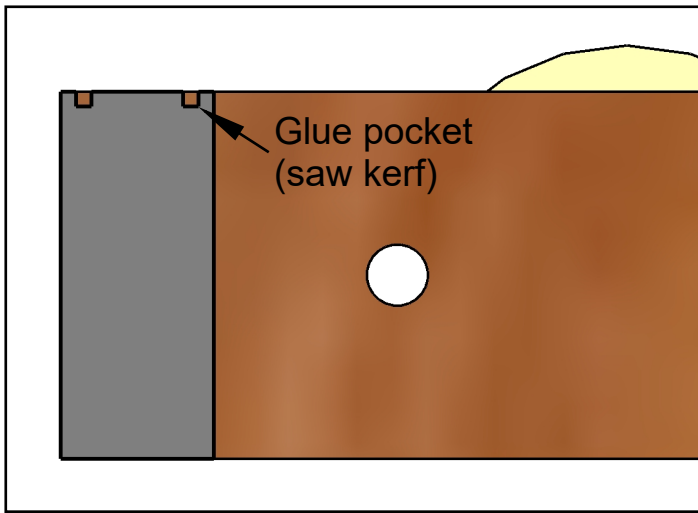
Radius 1 1/2" from radius point for layout of Arc. Finish with 1/2" Dia. Hole for Carriage bolt.



Legs x2

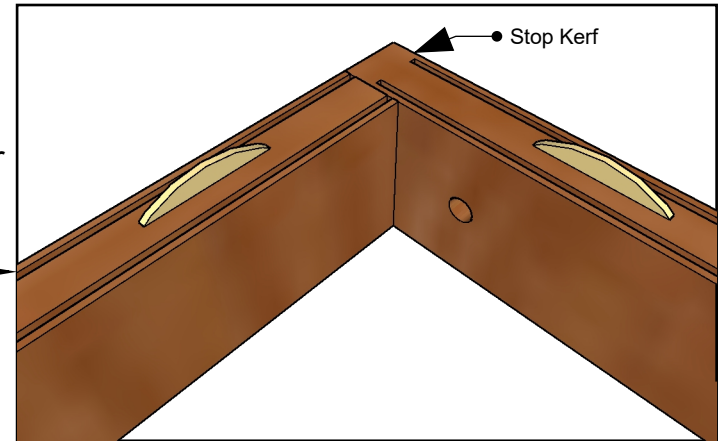


Sides x2



Optional:

Glue pockets provide a space for excess glue to accumulate



**Bookmatch
Biscuit/Domino/Dowl
Layout to Suite**

(increases glue surface area and aligns top and frame)

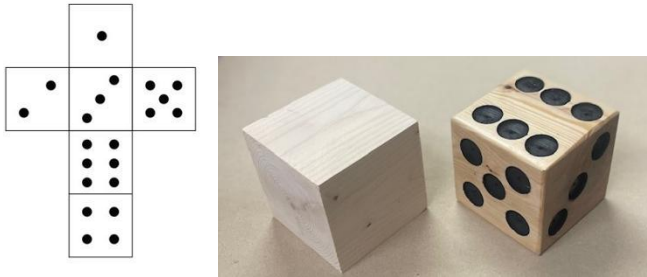
Questions?

Contact Larz Hirschhorn
lawrence.hirschhorn@rdpolytech.ca
587-378-6065

YARD YAHTZEE

Please note that great care has been taken to cut components to size, Slight variations in material size, density are inevitable when dealing with wood.

On dice, **pips** are small dots on each face of a common six-sided die. These pips are typically arranged in patterns denoting the numbers one through six. The sum of opposing faces traditionally adds up to seven.



The dimensions of the dice are app. 3.75in x 3.75in

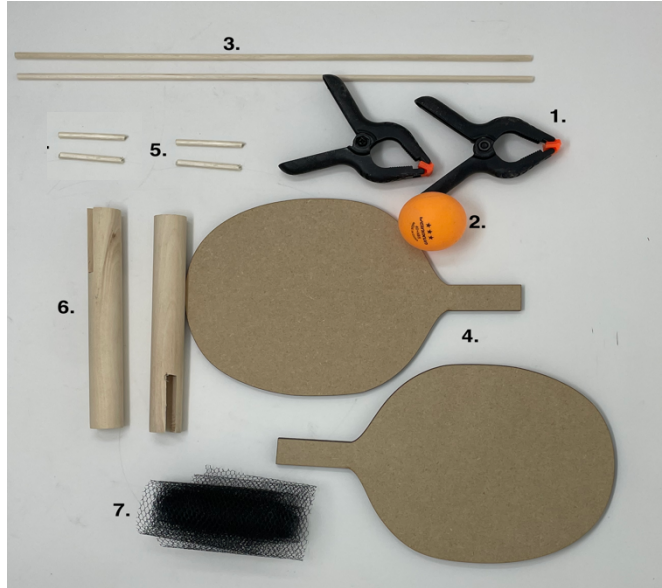
Steps

- Measure and mark the sides according to the dice format
- Use a forstner bit (size 18mm) to drill the pips
- Paint the inside of the pips
- For a more realistic look all edges can be rounded off by sanding.
- Several coats of outdoor polyurethane can be applied to seal and protect the dice

Ping Pong Project

Please note that great care has been taken to cut components to size, Slight variations in material size, density are inevitable when dealing with wood.

READ ALL INSTRUCTIONS PRIOR TO STARTING THIS PROJECT



Materials Included:

1. Clamps (2)
2. Ping Pong Ball (1)
3. Post (2)
4. Paddle (2)
5. Pins (4)
6. Handle (2)
7. 8ft Net (1)

Glue, and Drill Bits (6mm and 3.75mm) are required for this project.



Step One:
Measure and mark handles (#6) at $\frac{3}{4}$ " and $1 \frac{1}{4}$ " from the slotted end



Step Two:
Insert paddle (#4) into slot on handle (#6)

Drill 2 holes (3.75) through the handle and paddle



Step Three:
Insert pins (#5) into drilled holes through handle and paddle secure using glue



Step Four:
Drill holes using 6mm drill bit through only one side of each clamp (#1)



Step Five:
Insert post (#3) through hole

Secure clamp to table edge



Step Six:
Wrap net (#7) around each post (#3) to desired length

Ladder Golf

We used these instructions to assemble the kit:

<https://www.momtastic.com/family/diy-for-moms/430281-diy-pvc-pipe-ladder-golf-game/#/slide/1>

Yard Yahtzee Instructions

<https://www.hasbro.com/common/instruct/Yahtzee.pdf>

Yard Yahtzee Scorecard

<https://www.eecis.udel.edu/~davis/yahtzee.pdf>