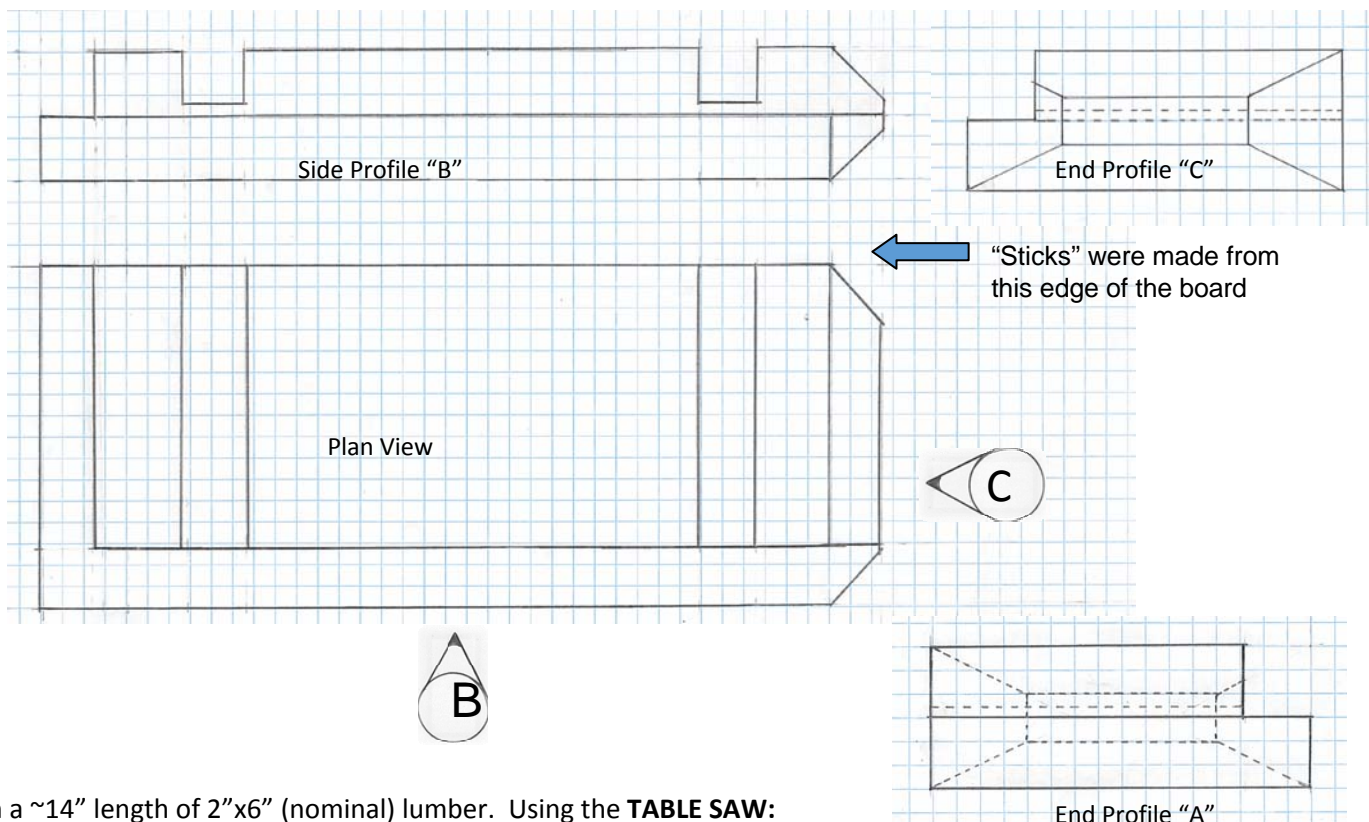


Tulane MakerSpace Wood-2 Widget



Start with a ~14" length of 2"x6" (nominal) lumber. Using the **TABLE SAW**:

T1) Make a rip cut to remove the bad face on the long narrow side. You may need to make a second rip cut to clean up the other face and remove the 'factory' edge.

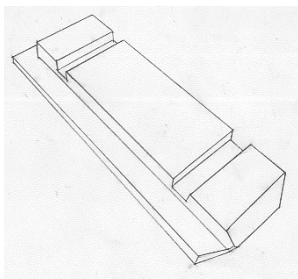
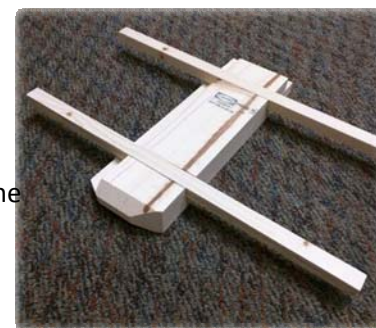
T2) Use the miter sled to square both ends. Use the miter in both "push" and "pull" configuration.

T3) Remove the splitter and pawls from the saw. Discuss safety considerations with your trainer.

T4) Make an L-shaped rabbet on two adjacent sides of the board. You will need to use the miter sled for the crosscut and may wish to EITHER make repeating cuts OR two passes.

T5) Make a dado cut in the long side of the board, approximately 3/4" deep. You may turn the board around and repeat the cut from the other side to make both halves equal.

T6) Replace the splitter and pawls. Make a rip cut to meet the dado cut and release two "sticks" approximately square in section. Save these.

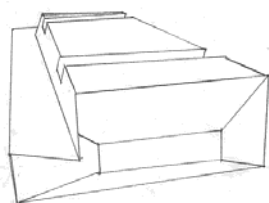


Chamfer the end of your board to look like Profile "C" with the **MITER SAW**:

M1) Plan your cut. You may need to shorten the board in order to use a stop block. Discuss this with your trainer.

M2) Rotate the miter table 45 degrees. Chamfer two sides on one end of the board, leaving a flat section in the middle (per drawing). A stop block will make this type of repetitive cut much simpler. Return the table to zero.

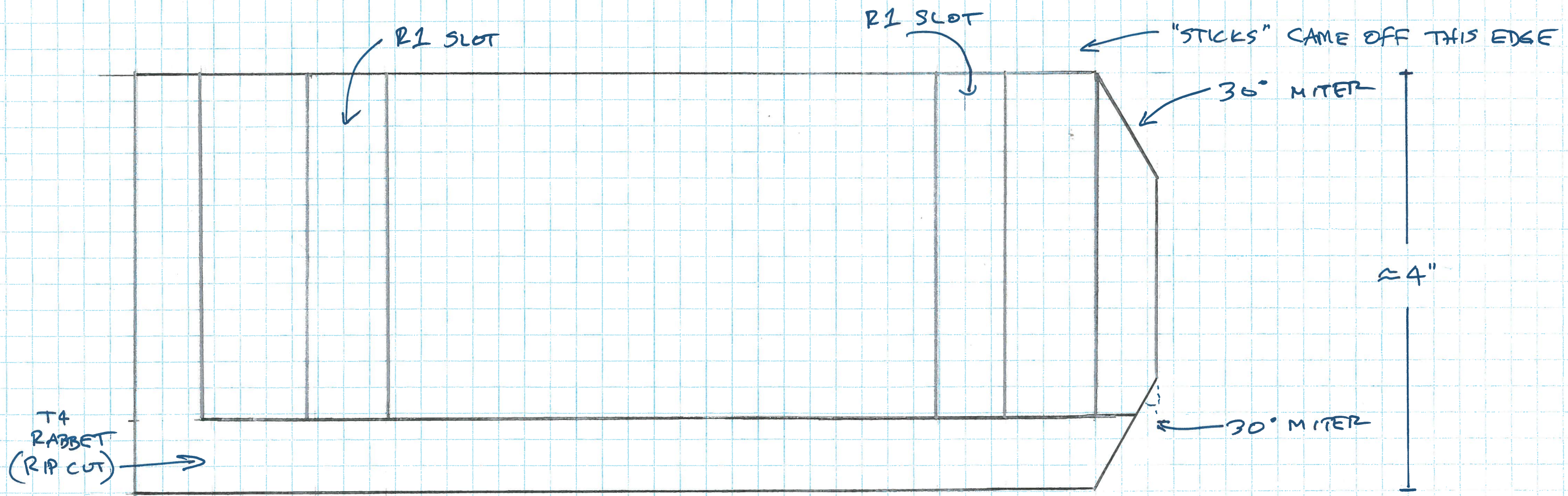
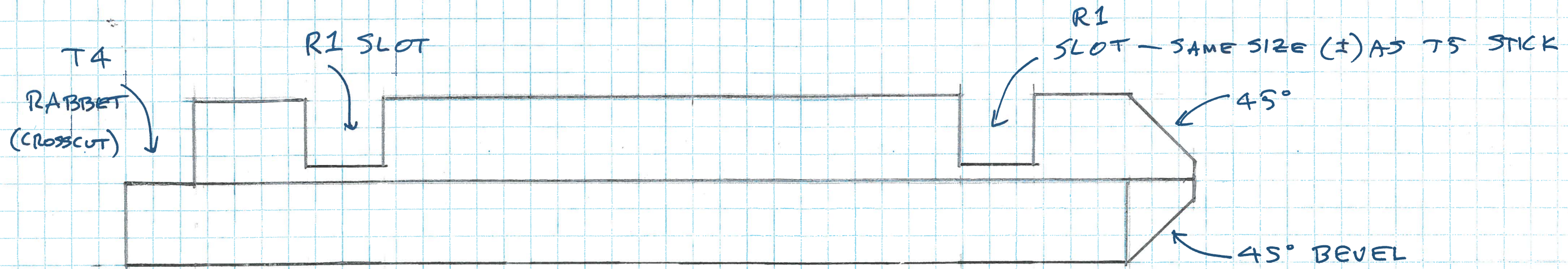
M3) Angle the saw head to 30 degrees of bevel. Make the remaining chamfers to approximate the shape in the drawing.



Cut two grooves with the **RADIAL ARM SAW**:

R1) Crosscut two dado grooves into the top of the board. Use multiple passes of the blade. These channels should be deep enough to insert the "sticks" made on the table saw. They should fit flush with the top face of the board.

Plan View of "sticks" (approximately square cross section) (make TWO in steps T5 and T6)



T5 + T6
"STICKS"
≈ 3/4 SQUARE
SAME SIZE AS R1 SLOT