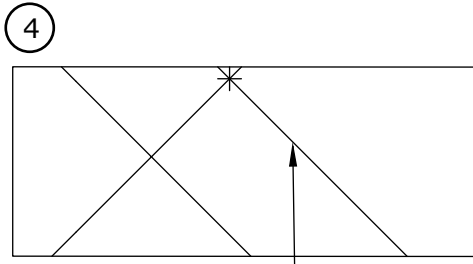
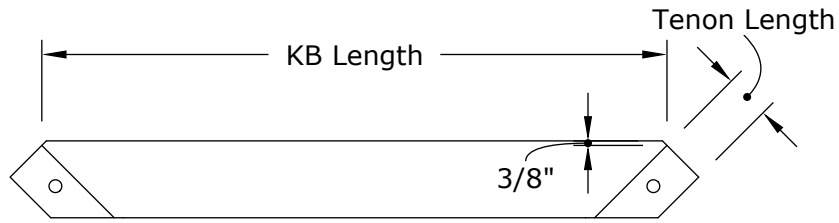
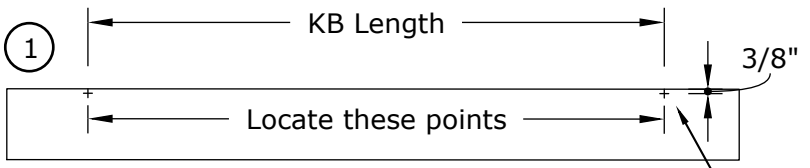


# Knee Brace Layout

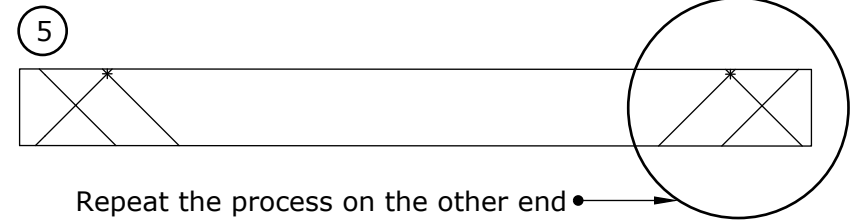
To improve the fit of Knee Braces, plane the stock to the required timber dimension before layout



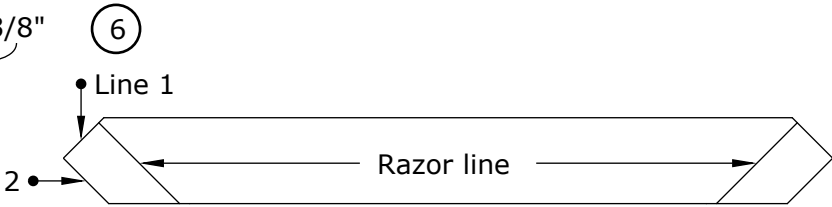
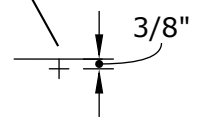
Mark Line 3 using a razor knife



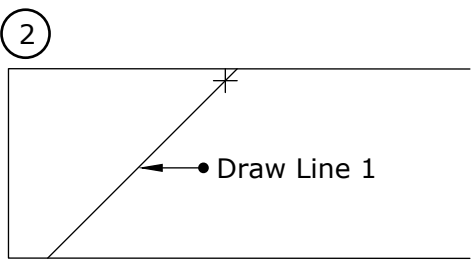
The remaining layout is based on **marking 45 degree lines** from the top of the timber referenced off these points



Repeat the process on the other end



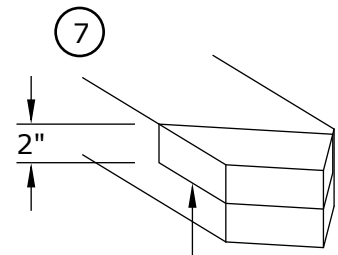
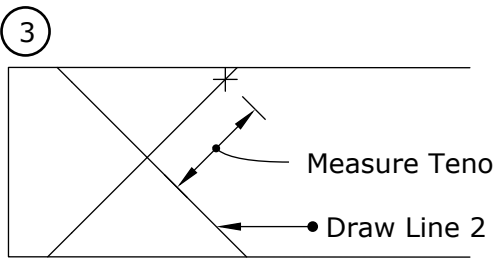
Make sure the sawblade is square to the guide  
Cut the Knee Brace along Line 1 & Line 2



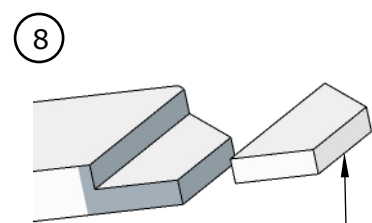
**KB Length\***

|         |               |
|---------|---------------|
| 30 x 30 | = 3' 7 1/8"   |
| 32 x 32 | = 3' 9 15/16" |
| 36 x 36 | = 4' 3 5/8"   |
| 48 x 48 | = 5' 8 9/16"  |
| 54 x 54 | = 6' 5 1/16"  |
| 60 x 60 | = 7' 1 3/4"   |

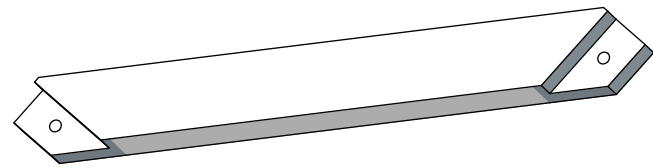
\* Based on 1/2" housing



Mark a line at 2"



Cut & remove block



**PROJECT**  
4' x 6" Brace Layout

**NUMBER**  
KB2024

**PHASE**  
Shop Drawings

**REVISION**  
02

**ISSUED**  
March 12, 2024

**CLIENT**  
Star Hill Customer

**NOTICE**  
Star Hill Timberworks plans are designed using standard timber framing practices. The client is accountable for ensuring compliance with engineering standards, construction practices, and obtaining any required permits and/or stamps.