

# CLEARRAIL

## Installation Guide

**FRAMELESS**

# CLEARRAIL

**GLASS RAILING**



by FRAMELESS GLASS SYSTEMS INC.

Thank you for choosing CLEARRAIL, for your glass railing system. We are certain that you will be extremely happy with your choice. The purpose of this guide is to assist with the successful installation of the CLEARRAIL system. Please feel free to contact us anytime if you have any questions or concerns.

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## **Prior to Installation**

- Examine all materials - glass and hardware - for any damage or missing parts. Please notify us immediately if there are any issues or concerns about the products you received.
- 2 people are required when handling heavy glass panels.  
We recommend using rubber palm safety gloves for a better grip on the glass. Do not handle the glass if it is wet.
- Glass panels may scratch, chip or break if not handled with extreme caution. Be extremely careful not to bang the glass edges off anything hard. i.e stone, concrete, metal, other pieces of glass, etc.

## **NOTE**

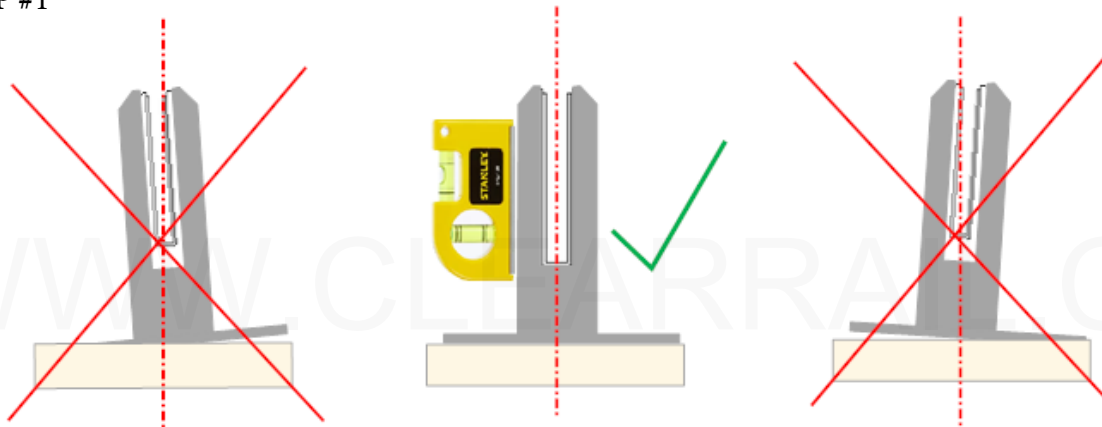
OUR GLASS RAILING PRODUCTS HAVE BEEN DESIGNED AND DEVELOPED TO MEET ONTARIO BUILDING CODE AND THE NATIONAL BUILDING CODE OF CANADA; HOWEVER, SAFETY STANDARDS AND BUILDING CODES VARY FROM JURISDICTION TO JURISDICTION. PRIOR TO ORDERING AND INSTALLING ANY RAILING PRODUCTS, IT IS THE PURCHASER'S RESPONSIBILITY TO CONSULT WITH LOCAL BUILDING OFFICIALS TO ENSURE THAT THE RAILING DESIGN MEETS LOCAL BUILDING CODES. WHILE PRODUCT INSTALLATION GUIDELINES MAY BE PROVIDED, ANY SUCH GUIDELINES ARE INTENDED TO OPERATE IN CONJUNCTION WITH PERSONS HAVING APPROPRIATE TECHNICAL EXPERTISE TO FACILITATE THE SAFE HANDLING AND INSTALLATION OF RAILING PRODUCTS. ANY INFORMATION PROVIDED ON OUR WEBSITE OR OTHERWISE, SHOULD NOT BE USED OR RELIED UPON AS A STATEMENT OF SUITABILITY FOR USE IN ANY PARTICULAR APPLICATION. CHECK WITH YOUR LOCAL BUILDING MUNICIPALITY FOR BUILDING CODES IN YOUR AREA BEFORE INSTALLING.

## TOOLS AND TIPS

### REQUIRED TOOLS

- SAFETY GOGGLES
- SAFETY BOOTS
- SAFETY GLOVES WITH RUBBER PALM
- MEASURING TAPE
- PENCIL
- LEVEL
- SQUARE
- STRING LINE
- DRILL
- T30 DRIVER BIT (FOR GRK RSS SCREWS)
- HEX KEYS/WRENCHES
- 1/4" DRILL BIT (IF PRE DRILLING IS REQUIRED)

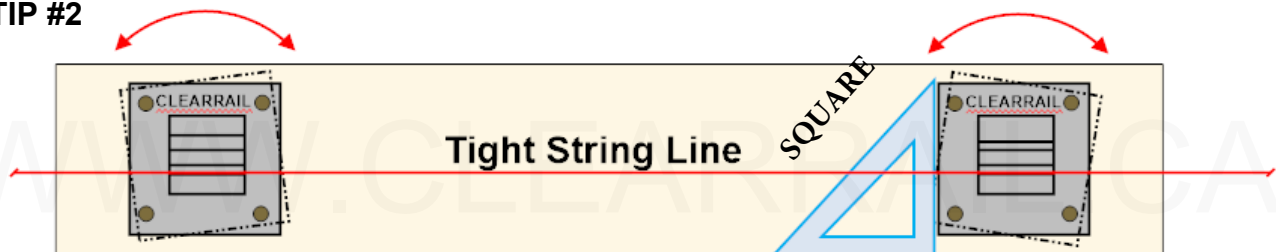
#### **TIP #1**



\*CLEARRAIL TO PROVIDE SHIMS FOR FINE LEVELLING\*

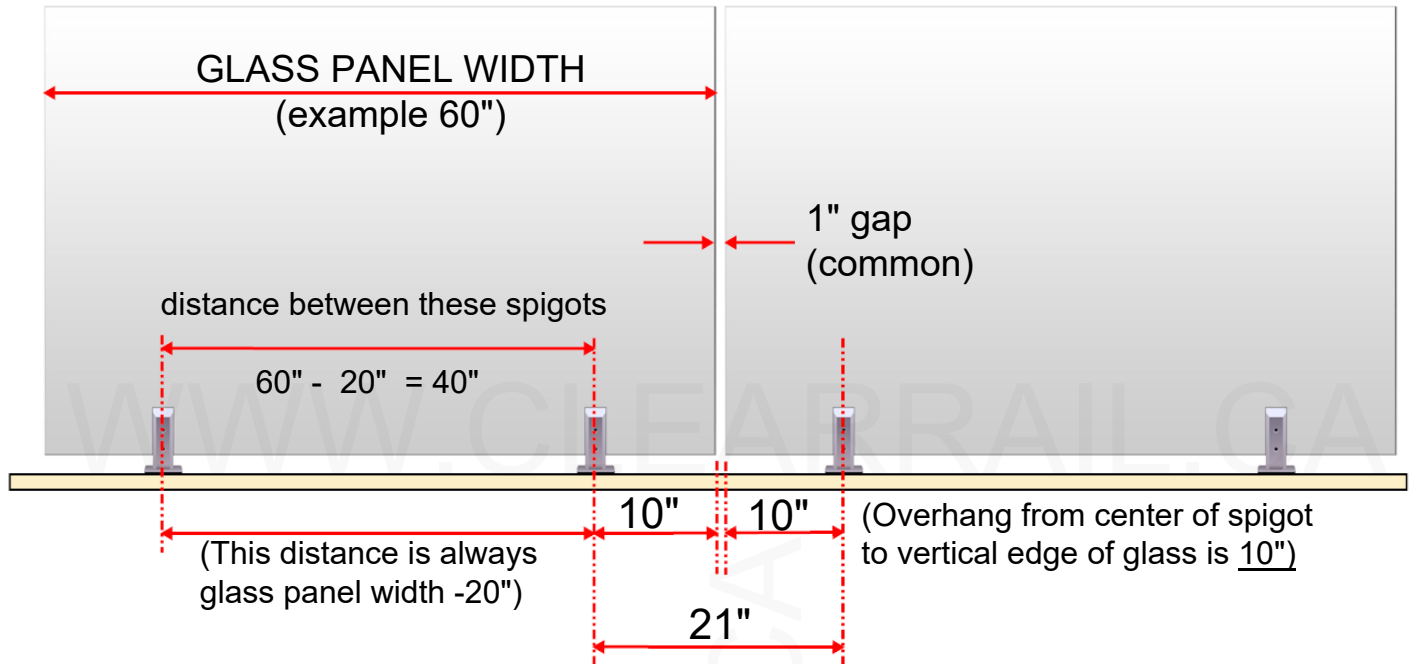
**WHEN FASTENING SPIGOTS TO THE DECK, USE  
A SMALL LEVEL AS A GUIDE TO HELP MAKE  
SURE SPIGOTS ARE STRAIGHT AND LEVEL**

#### **TIP #2**

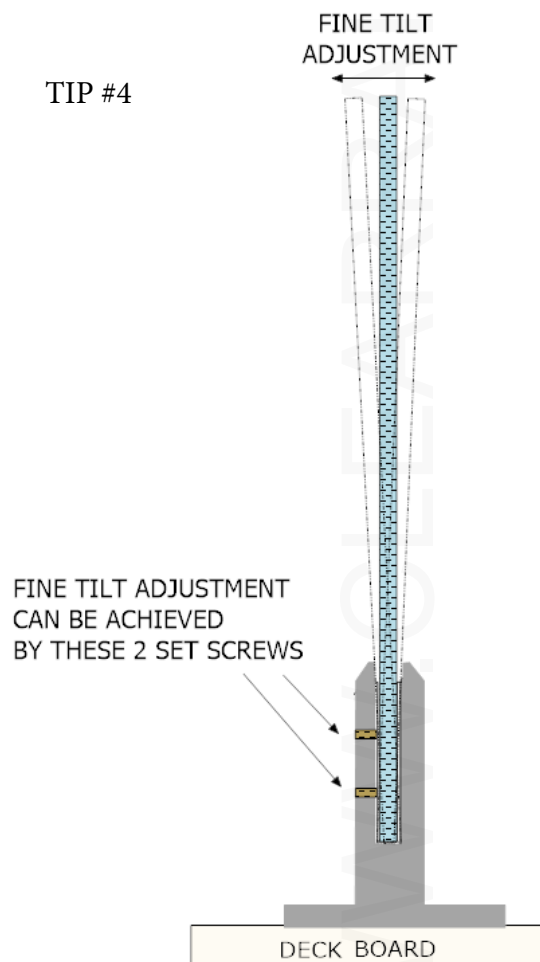


**WHEN FASTENING SPIGOTS TO THE DECK, USE  
A SMALL SQUARE AS A GUIDE TO HELP  
PREVENT SPIGOTS FROM TWISTING OUT OF  
ALIGNMENT**

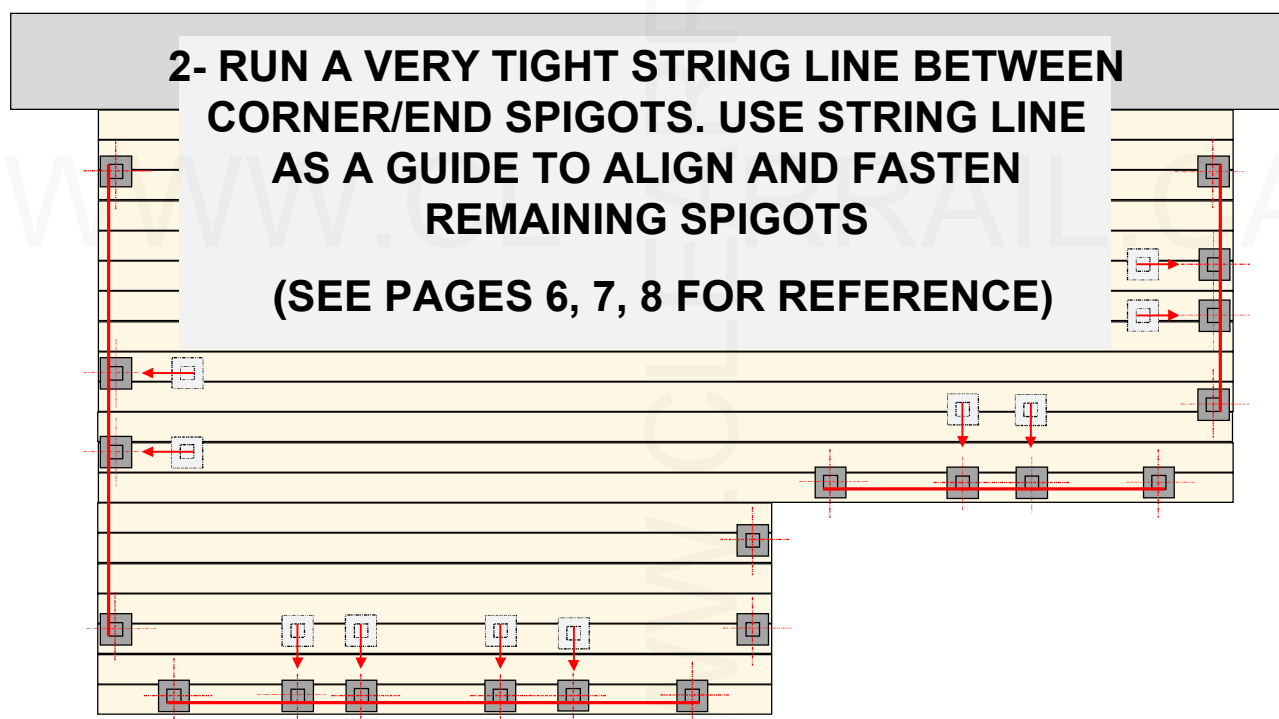
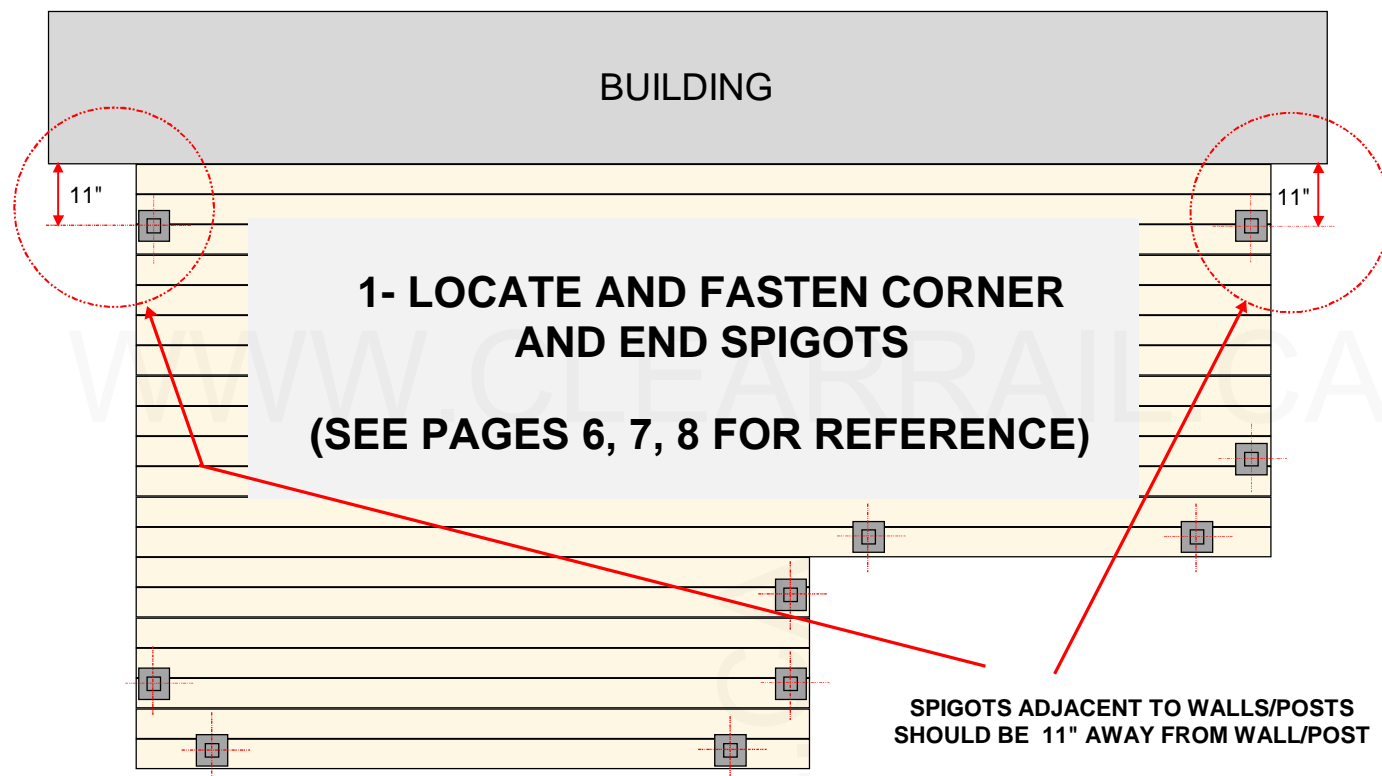
TIP #3



TIP #4



# LOCATING SPIGOTS ON YOUR DECK

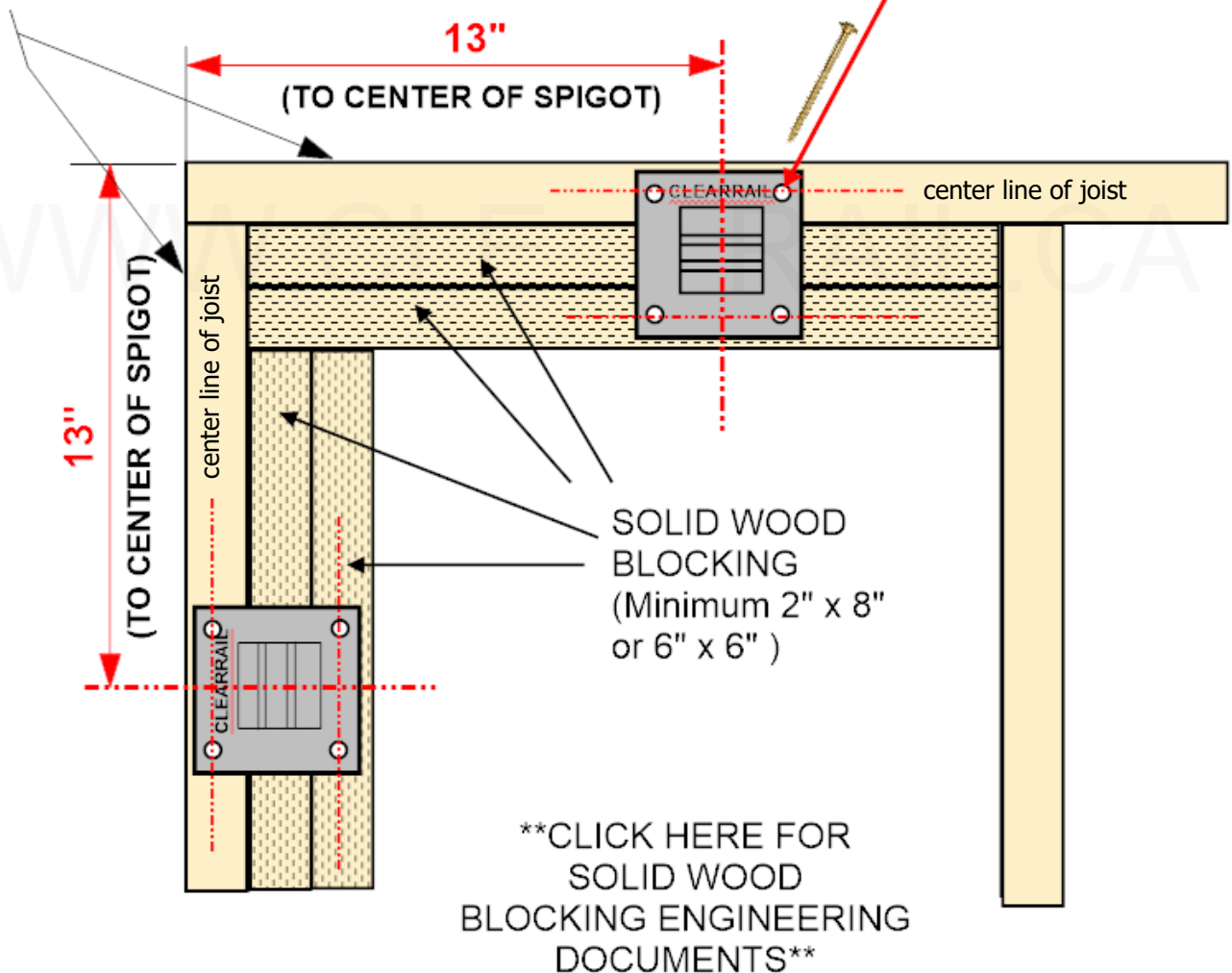


# SPIGOT LOCATION OUTSIDE CORNERS

Note: (Top Decking Material Not  
Shown For Clarity)

MEASURE OFF  
RIM/FASCIA JOIST  
(Minimum 2"x 8" )

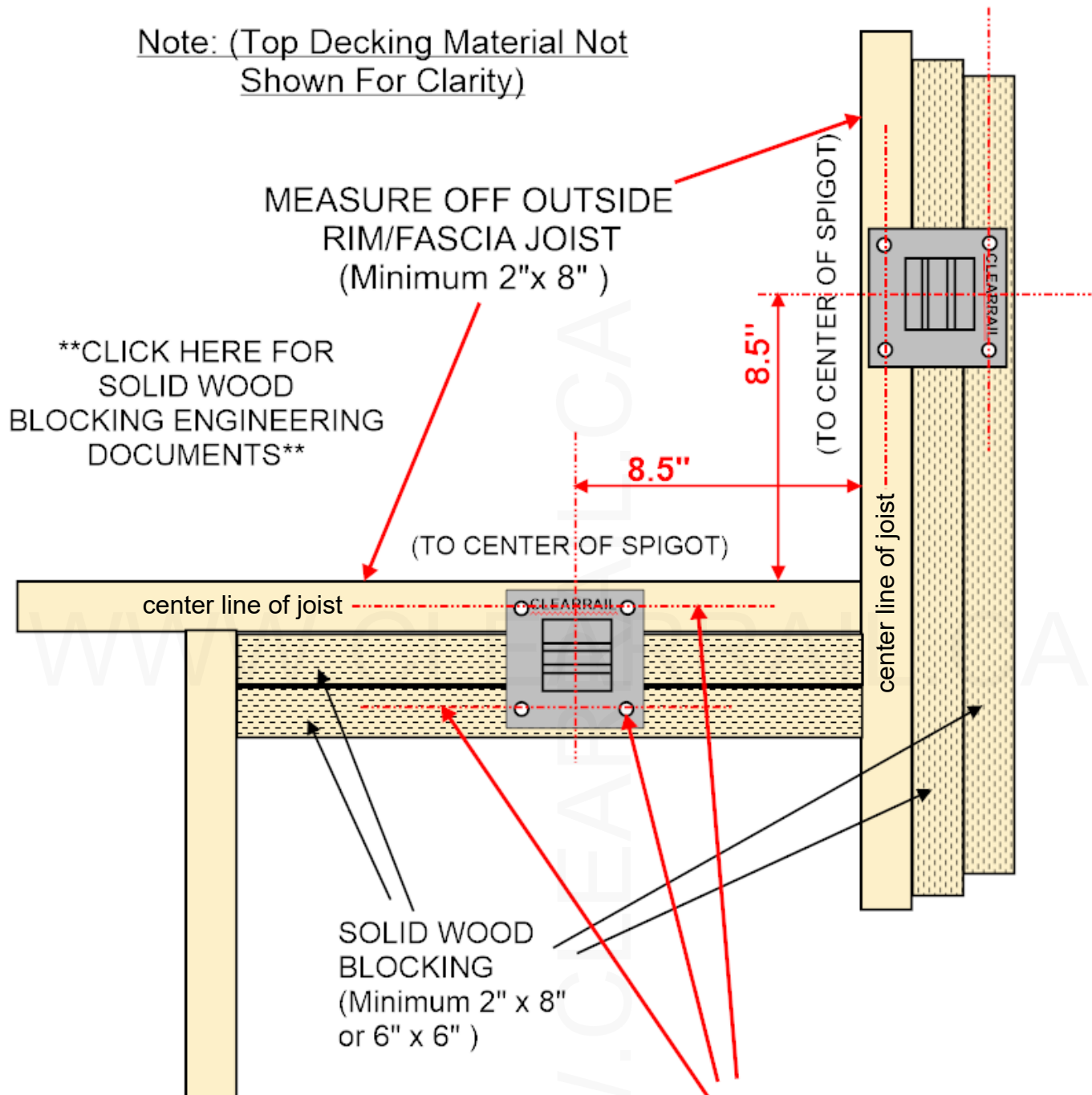
SEE PAGE 7  
FOR SIDE VIEW



ALWAYS REFER TO SOLID WOOD BLOCKING ENGINEERING DOCUMENTS AT...  
<https://www.clearrail.ca/pdfs/engineering.pdf>

# SPIGOT LOCATION INSIDE CORNERS

Note: (Top Decking Material Not  
Shown For Clarity)

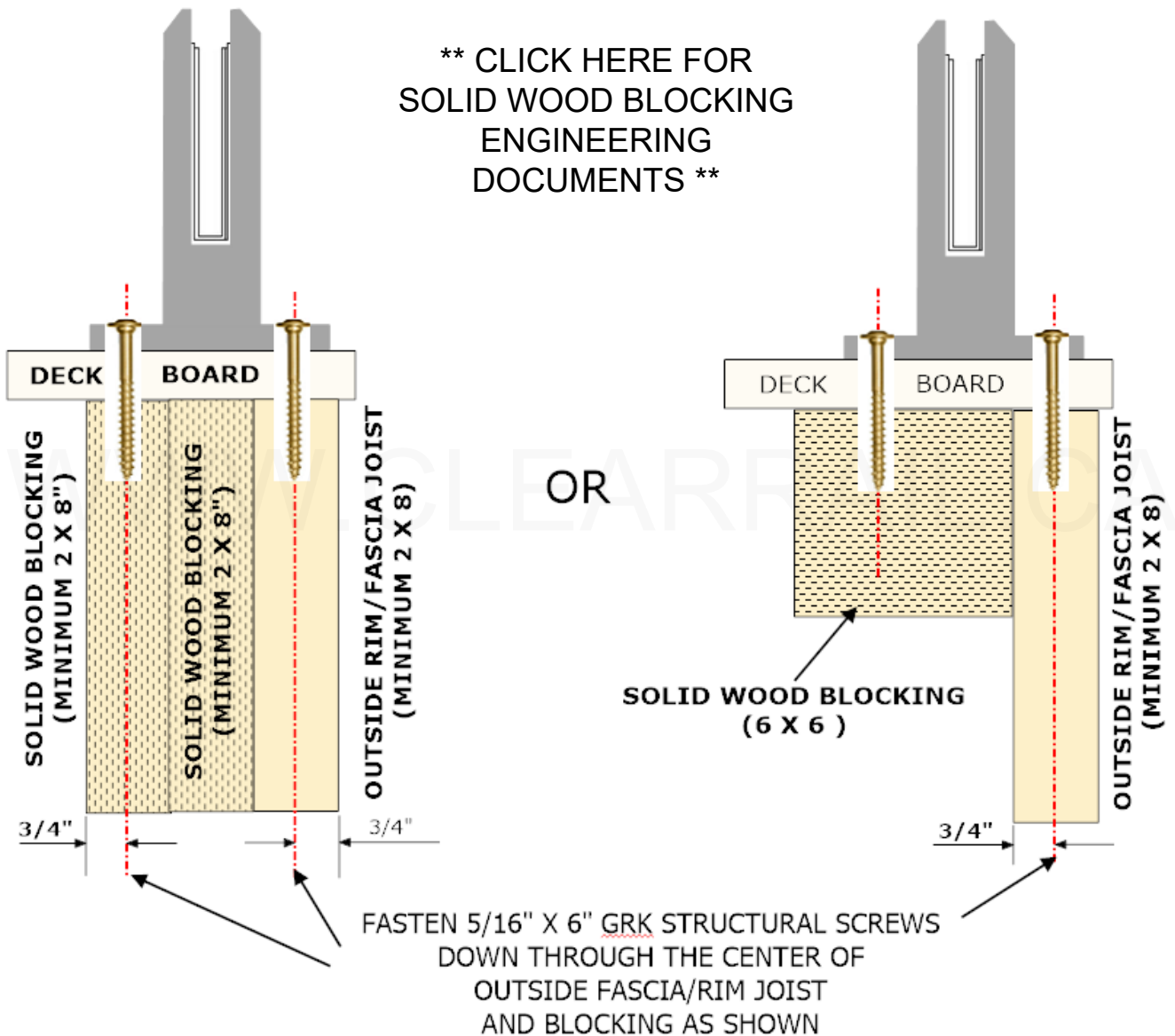


**SEE PAGE 7 FOR SIDE VIEW**

ALWAYS REFER TO SOLID WOOD BLOCKING ENGINEERING DOCUMENTS AT...  
<https://www.clearrail.ca/pdfs/engineering.pdf>

# SPIGOT LOCATION (SIDE VIEW REFERENCE)

\*\* CLICK HERE FOR  
SOLID WOOD BLOCKING  
ENGINEERING  
DOCUMENTS \*\*

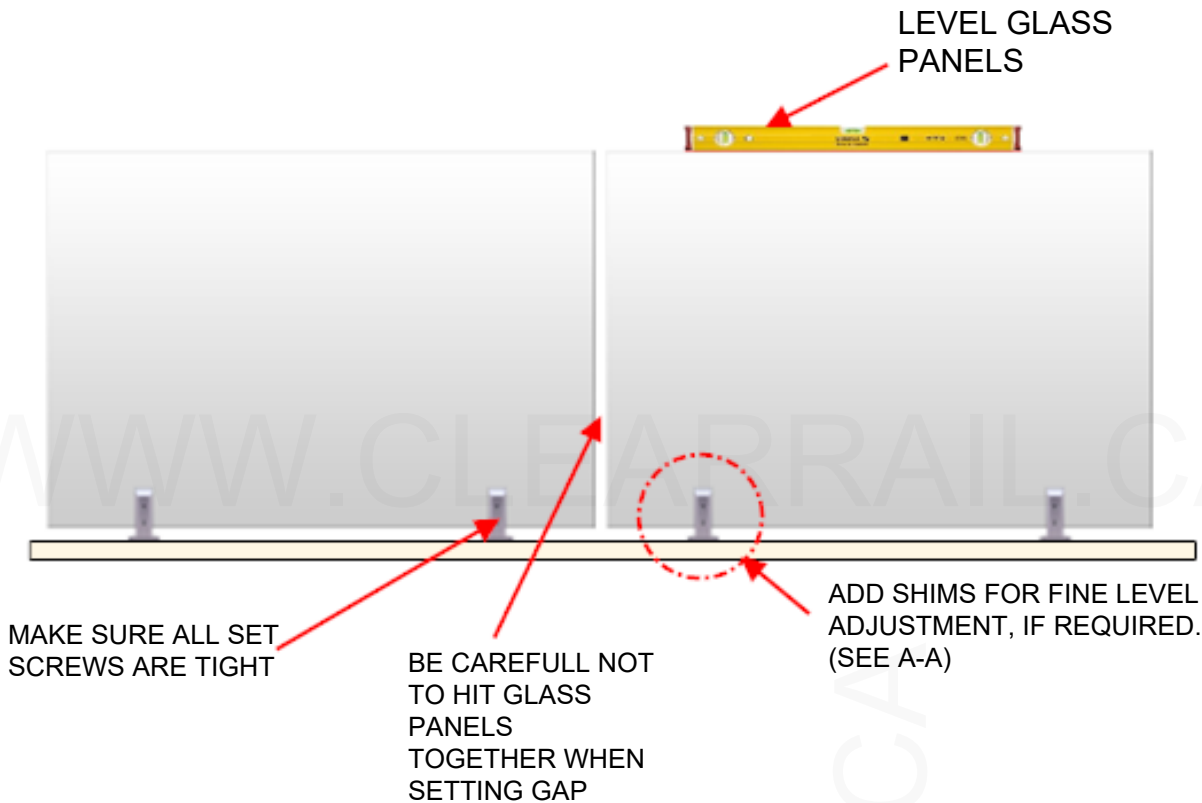


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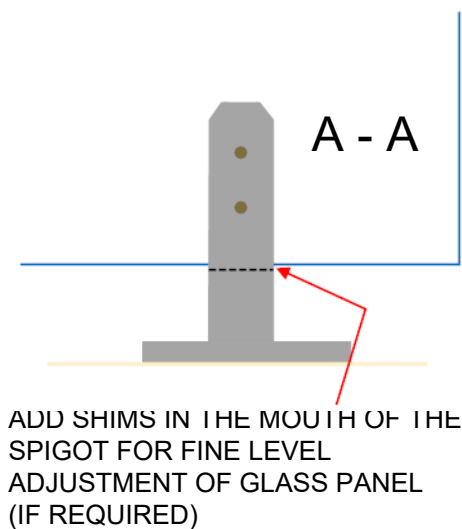


# INSTALLING GLASS PANELS

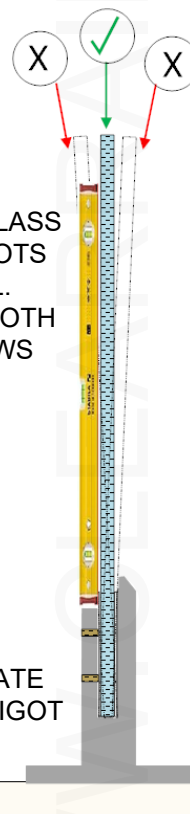
LEVEL GLASS PANELS



A - A



INSTALL GLASS INTO SPIGOTS AND LEVEL. TIGHTEN BOTH SET SCREWS FIRMLY



WHEN INSTALLING GLASS INTO SPIGOTS, MAKE SURE GLASS PANEL GOES STRAIGHT DOWN INTO SPIGOT MOUTH. DO NOT INSTALL GLASS ON AN ANGLE. **DANGER:** GLASS PANEL COULD BREAK IF THE EDGE IS STRESSED PRIOR TO BEING FULLY SEATED IN THE BASE OF SPIGOT,

ADD 2 PCS COVER PLATE TO THE SPIGOT BASE.