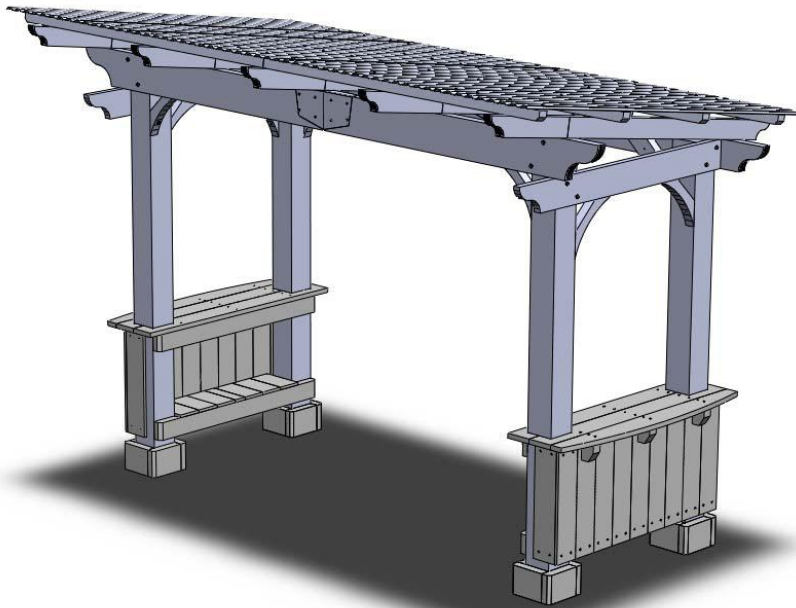


# ASSEMBLY MANUAL

## GRILL SHACK



### IMPORTANT

READ INSTRUCTION THOROUGHLY PRIOR TO BEGINNING ASSEMBLY

### BEFORE YOU BEGIN

- **BUILDING INSTRUCTIONS AND APPROVALS**  
Be sure to check local building department and homeowners association for specific restrictions and/or requirements before building
- **SURFACE PREPARATION**  
To ensure proper assembly you must build your Grill Shack on a level surface.
- **CHECK ALL PARTS**  
Inventory all parts listed on Part Identification page inside this manual. Contact our Customer Service Team if any parts are missing or damaged.
- **ADDITIONAL MATERIAL**  
You will need additional materials to complete your Grill Shack. See inside this manual for required and optional materials and quantities.

-CUSTOMER SERVICE-

Call: 1-888-268-4981

# IMPORTANT SAFETY INFORMATION

***IT IS VERY IMPORTANT TO READ AND FOLLOW THE SAFETY PRECAUTIONS BEFORE ASSEMBLY AND DURING THE USE OF THE PRODUCT.***

1. The Grill Shack is designed primarily to extend the outdoor use of your home.

***DO NOT USE STRUCTURE AS FOLLOW:***

- As safety barrier to prevent unsupervised access to pools, hot tubs, spas or ponds.
- As load bearing support for other structures, buildings or heavy objects.
- As a support for swings or hammocks. If you wish to suspend products to the structure, ensure that the total weight of articles does not exceed 15 pounds. Suspend nothing from the structure in case of strong winds.

2. Wood is not flame retardant and has the potential of burning. Do not place any type of heat source on/under the structure or within 5 ft of the unit including, but not limited to, a barbecue, chiminea or fire pits. Consult the user's manual of these items for safe distances from combustible materials.

3. This structure is a four-season product.

4. Permanent structures may require a building permit. It is the consumer's responsibility to comply with building rules, regulations/zoning restrictions orders or any other regional restrictions and obtain the required permits before purchasing this product and installing it.

5. Always install the product on a solid level surface or platform capable of supporting the structure. Minimum 3.5" concrete slab or 12" deep footing. With wood deck, the structure must attach to the framing of the deck and not to the decking planks. Structure can not be attached to pavers or stepping stones.

6. This product must be anchored to either wood or concrete using the appropriate fasteners and anchors for the chosen flooring. (Hardware included)

7. Check for underground utilities before digging or driving stakes into the ground.

8. Keep all children and pets away from assembly area.

9. Do not assemble the product in days of wind or rain.

10. Wear gloves to avoid injury from possible sharp edges of individual elements before assembly.

11. During installation, follow all safety warnings provided with your tools and use OSHA approved safety glasses.

12. A minimum of two people is required to install safely.

13. To avoid damages to the product its parts and surroundings, use the proper tools. Do not use the product as a support. The use of a ladder(s) is required.

## GENERAL INFORMATION

Wood components are manufactured with North American Timbers. As your Grill Shack acclimates to its new environment, natural characteristics of the wood can show in the form of checks (cracks) and weathering in the lumber. This is normal and it will not affect the structural integrity of your structure and is not covered under warranty.

Annual application of oil-based stain is important and will help reduce weathering and checks.

# **ASSEMBLY GUIDES**

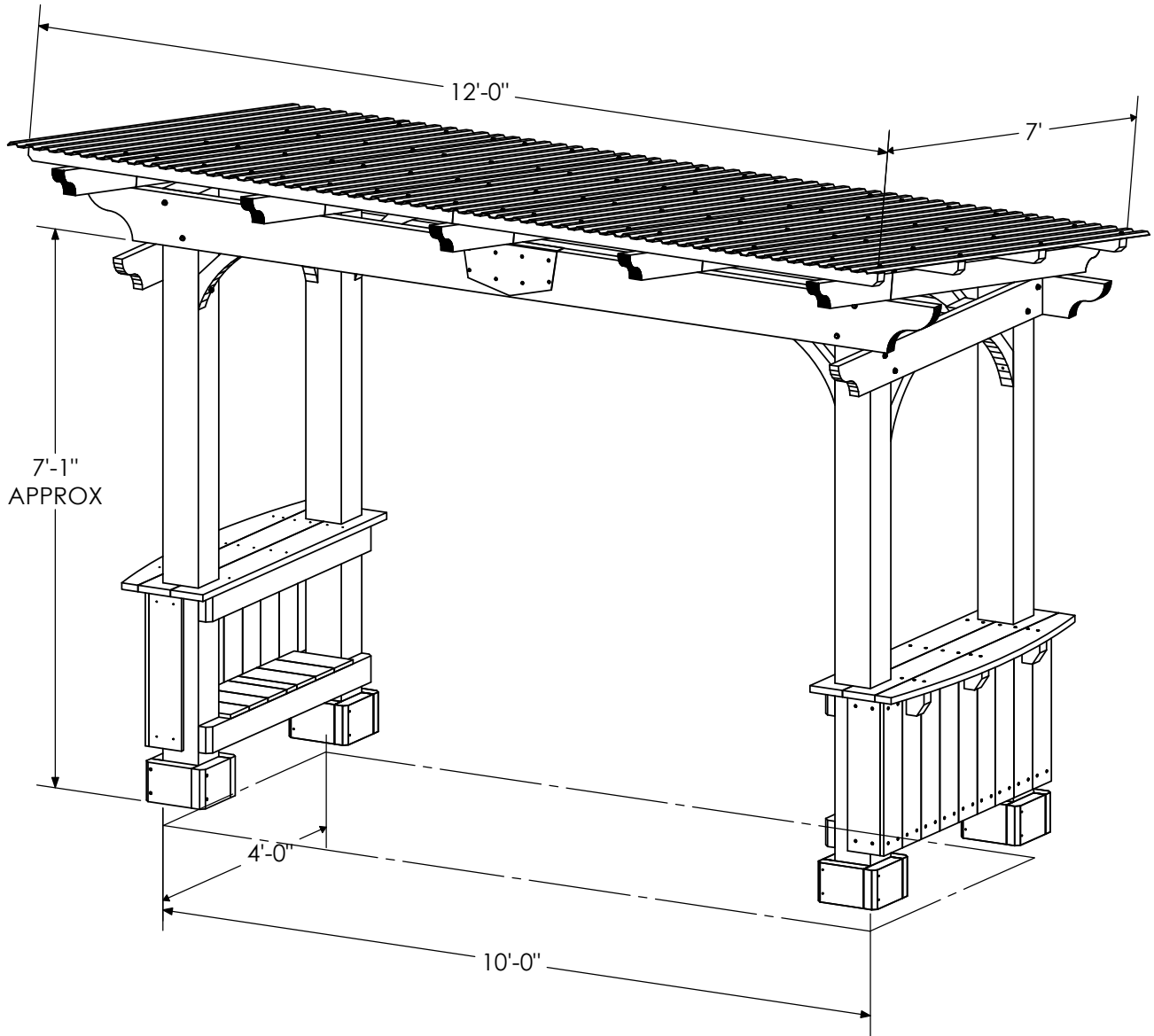
## **TOOLS REQUIRED:**

- Tape Measure
- Chalk Line
- Square
- Rotary Hammer Drill
- Impact Driver
- 1/4" Nut Driver
- 5/16" Nut Driver
- Step Ladder
- Safety Gloves
- Bar Clamp
- Pencil
- Level
- 3/8" Masonry Bit
- Philip's Bit for Driver
- T-25 TorxBit For Driver
- 1/4" Allen Wrench
- Safety Glasses
- Hard Hat
- Heavy Duty Staple Gun with 1/2" Staples

## **PROPER MAINTENANCE**

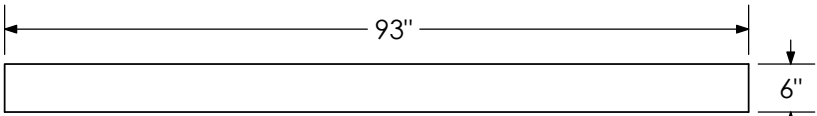
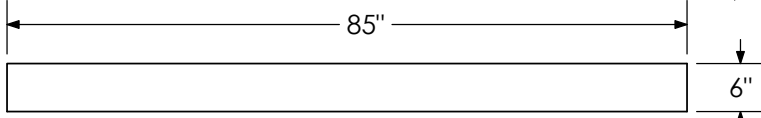
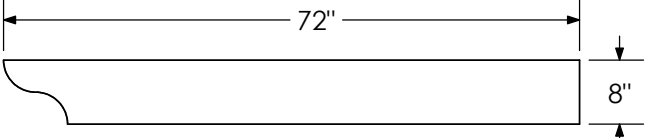
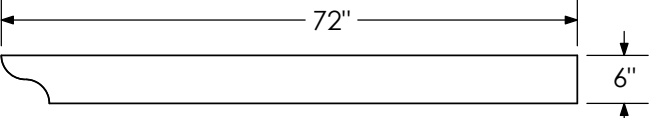
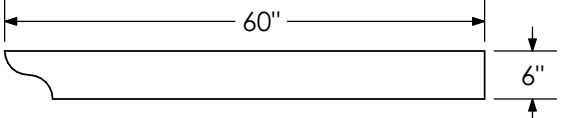
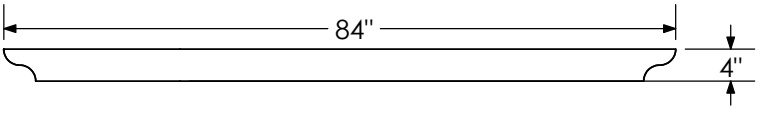
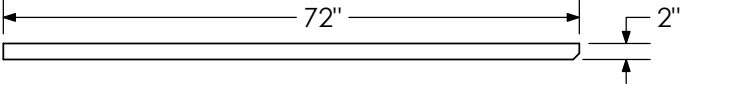
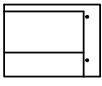

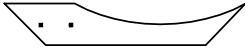


- Inspect and tighten all hardware after completion of assembly: after first month of use: and then annually. Do not over-tighten as to cause crushing and splintering of wood.
- Check for sharp edges or protruding screw threads, add washers if required.
- Applying Premium Exterior stain on a yearly basis is important maintenance to maintain maximum life and performance of the product.
- Check all wood members for deterioration, structural damage and splintering. Sand down splinters and replace deteriorated wood members. As with all wood, some checking and small cracks in grain is normal.
- Some gapping may occur at some wood connections.
- Keep vegetation trimmed away from structure. Water from sprinklers must be kept off unit.

# GRILL SHACK SPECIFICATIONS



TOTAL HEIGHT: 8'-5"  
FRONT HEAD CLEARANCE: 7'-1"  
REAR HEAD CLEARANCE: 6'-7"

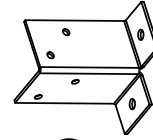
# GRILL SHACK PART IDENTIFICATION

QTY.	DESCRIPTION	
X2	6 x 6 x 93" - FRONT POST	
X2	6 x 6 x 85" - REAR POST	
X2	2 x 8 x 72" - FRONT HEADER SECTION	
X2	2 x 6 x 72" - REAR HEADER SECTION	
X2	2 x 6 x 60" - SIDE HEADER	
X5	2 x 4 x 84" - RAFTER	
X8	2 x 2 x 72" - PURLIN	
X8	POST CAP with DADO	
X8	POST CAP no DADO	
X8	CORNER BRACE	
X24	PLASTIC CORRUGATED CLOSURE	
X6	POLY SHEET	
X1	HARDWARE BAG	NOT SHOWN

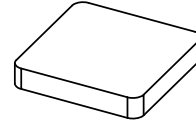
# HARDWARE SHEET

NOTE:  
IMAGES  
NOT TO SCALE

4 RPBR RETRO POST ANCHOR



4 STAND OFF



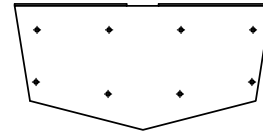
8 3/8" X 3" CONCRETE ANCHORS



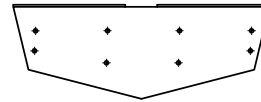
16 1/4" X 1-1/2" SDS



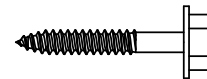
1 8" KEYSTONE



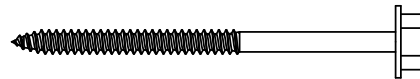
1 6" KEYSTONE



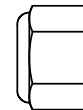
32 1-3/4" TIMBER SCREWS



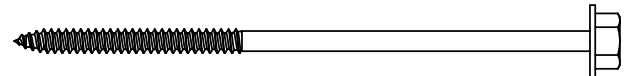
24 4" TIMBER SCREWS



24 HEX NUT CAPS



10 6" TIMBERLOCK



120 3" WOOD SCREWS



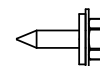
50 1" LATH SCREWS



160 TRIM HEAD SCREW



120 1-1/2" RUBBER WASHER SCREWS



# STEP 1: POST LAYOUT

**IT IS IMPORTANT THAT THIS STRUCTURE BE ANCHORED ON A FLAT AND LEVEL SOLID BASE. PLEASE REFER TO THE RECOMMENDED ANCHORING METHODS SHOWN BELOW.**

**FAILURE TO ANCHOR WILL VOID YOUR WARRANTY**

We supply Post Brackets with this structure which gives you the flexibility to permanently install your structure to a pre-existing or new wood or concrete surface.

- All anchoring hardware is included for basic concrete slab.

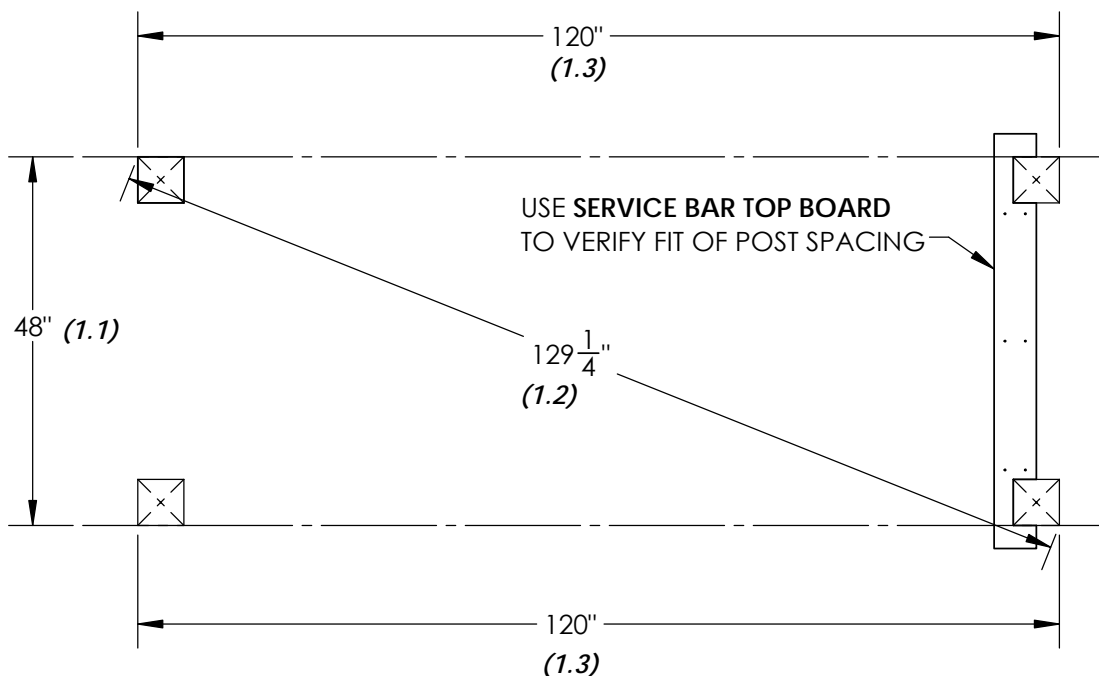
If you are mounting to concrete slab or concrete footers see below for the correct locations and placement. Please double check for possibility of any underground utilities such as gas, telephone, cable or sprinkler lines.

Refer to your local building and city codes, ordinances, neighborhood covenants, or height restrictions.

1.1 - MARK TWO PARALLEL LINES 48" APART. SELECT THE DESIRED CORNER LOCATION AND MARK IT.

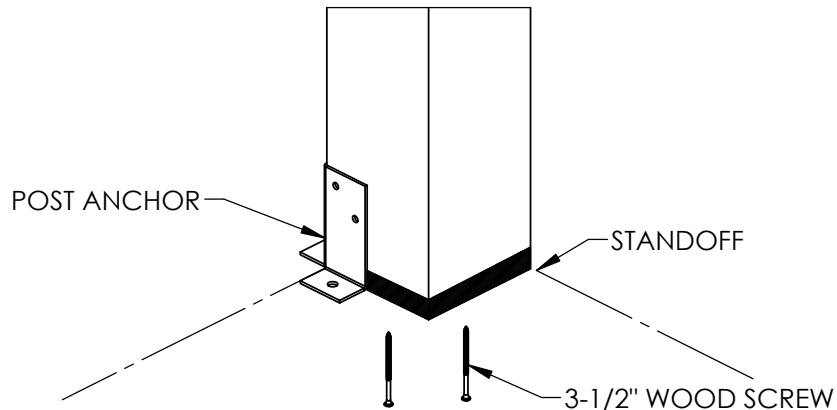
1.2 MEASURE DIAGONALLY TO THE OPPOSITE CORNER AND MARK  $129\frac{1}{4}$ ".

1.3 - FROM THOSE MARKS MEASURE DOWN EACH LINE 120".

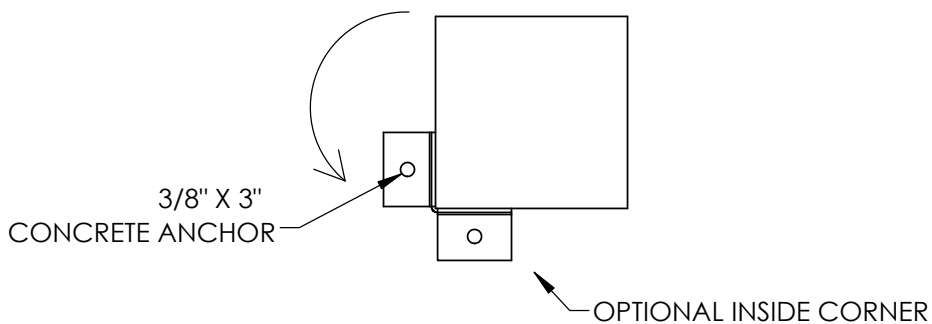


## STEP 2: POST ANCHORS

2.1 - ATTACH STANDOFF TO POSTS WITH (2) 3-1/2" DECK SCREWS PRIOR TO STANDING UP THE POSTS. TEMPORARILY PLACE THE POST ANCHORS TO THE OUTSIDE CORNERS OF POST AND TRANSFER ONLY ONE CENTER HOLE PER POST ANCHOR TO THE CONCRETE SLAB AS SHOWN BELOW.



2.2 - IF POST ANCHOR IS TOO CLOSE TO CONCRETE SLAB EDGE, POST ANCHOR CAN BE MOVED TO INSIDE CORNER.

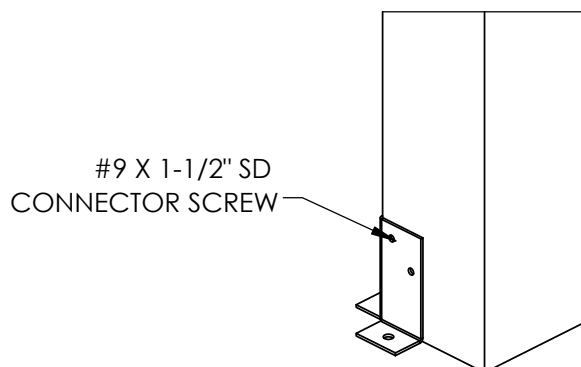


2.3 - REMOVE POST ANCHORS AND USE CENTER MARK TO DRILL A  $\varnothing 3/8"$  HOLE AT LEAST 3" DEEP INTO THE CONCRETE SLAB USING A MASONRY BIT AND ROTARY HAMMER DRILL.

2.4 - REPEAT SUB-STEPS 2.1 TO 2.3 ON ALL FOUR POSTS. CLEAR HOLES AND ATTACH ONE 3/8" X 3" TITEN BOLTS ON EACH HOLE POSITION. WITH HELP PLUMB POST WITH LEVEL.

2.5 - SECURE ALL POST ANCHORS TO POSTS WITH #9 X 1-1/2" SD CONNECTOR SCREW THROUGH EACH HOLE POSITION. REPEAT ON ALL FOUR POSTS.

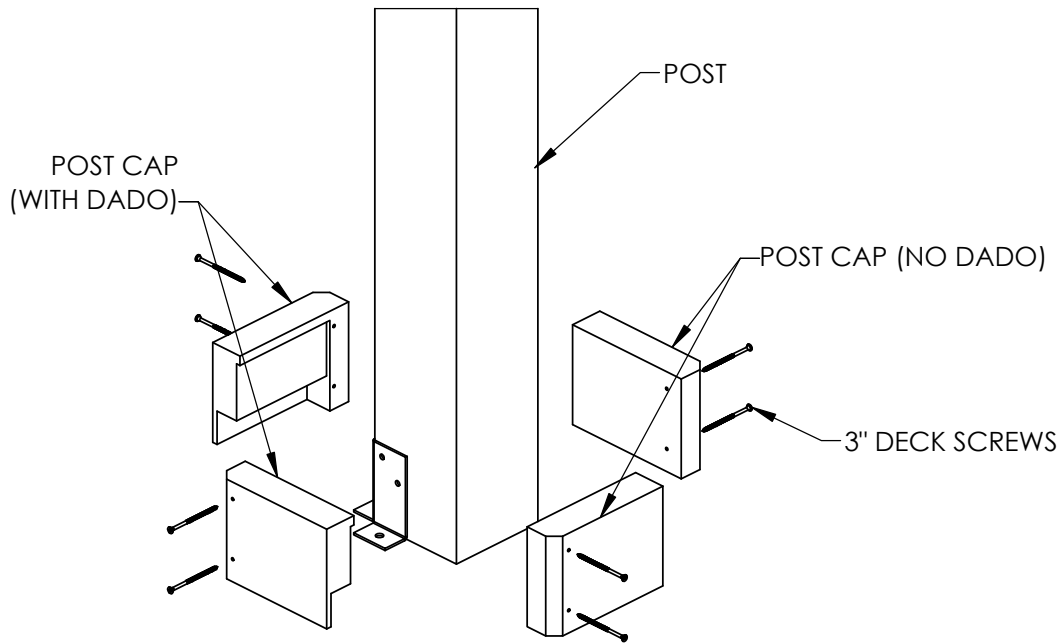
**NOTE: POST WILL MOVE SLIGHTLY UNTIL HEADERS ARE INSTALLED**



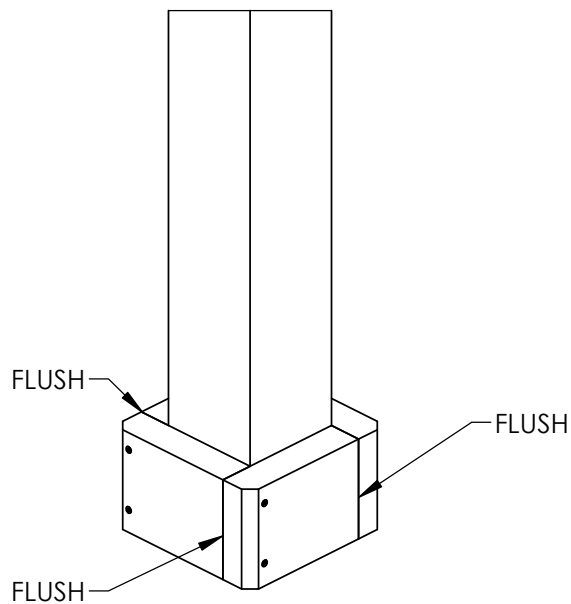


## STEP 3: POST BOTTOM TRIM

3.1 - INSTALL (4) FOUR POST BOTTOM TRIM TO EACH OF THE (4) FOUR CORNER POSTS AS SHOWN IN DIAGRAM BELOW.



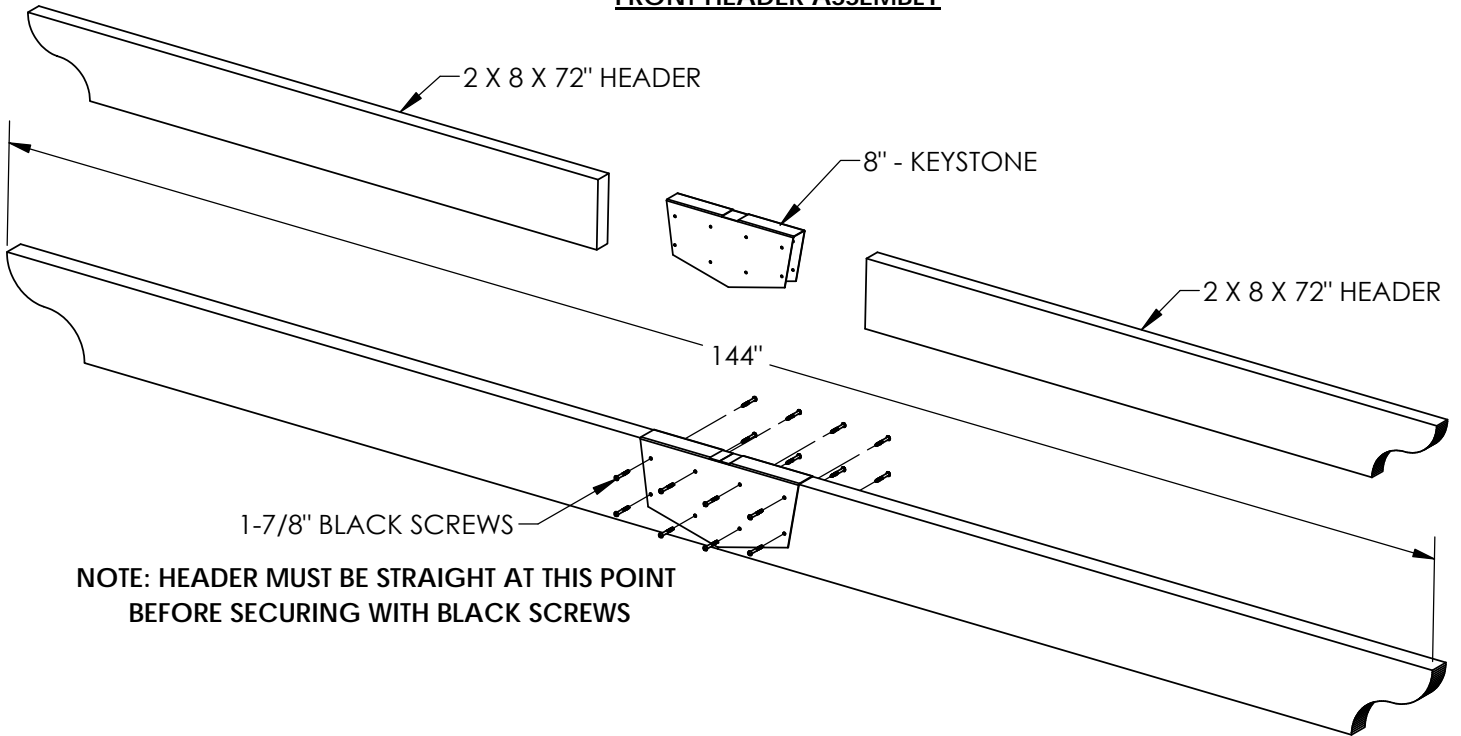
3.2 - FASTEN TO CORNER POSTS USING PROVIDED WOOD SCREWS.



# STEP 4: HEADER ASSEMBLY

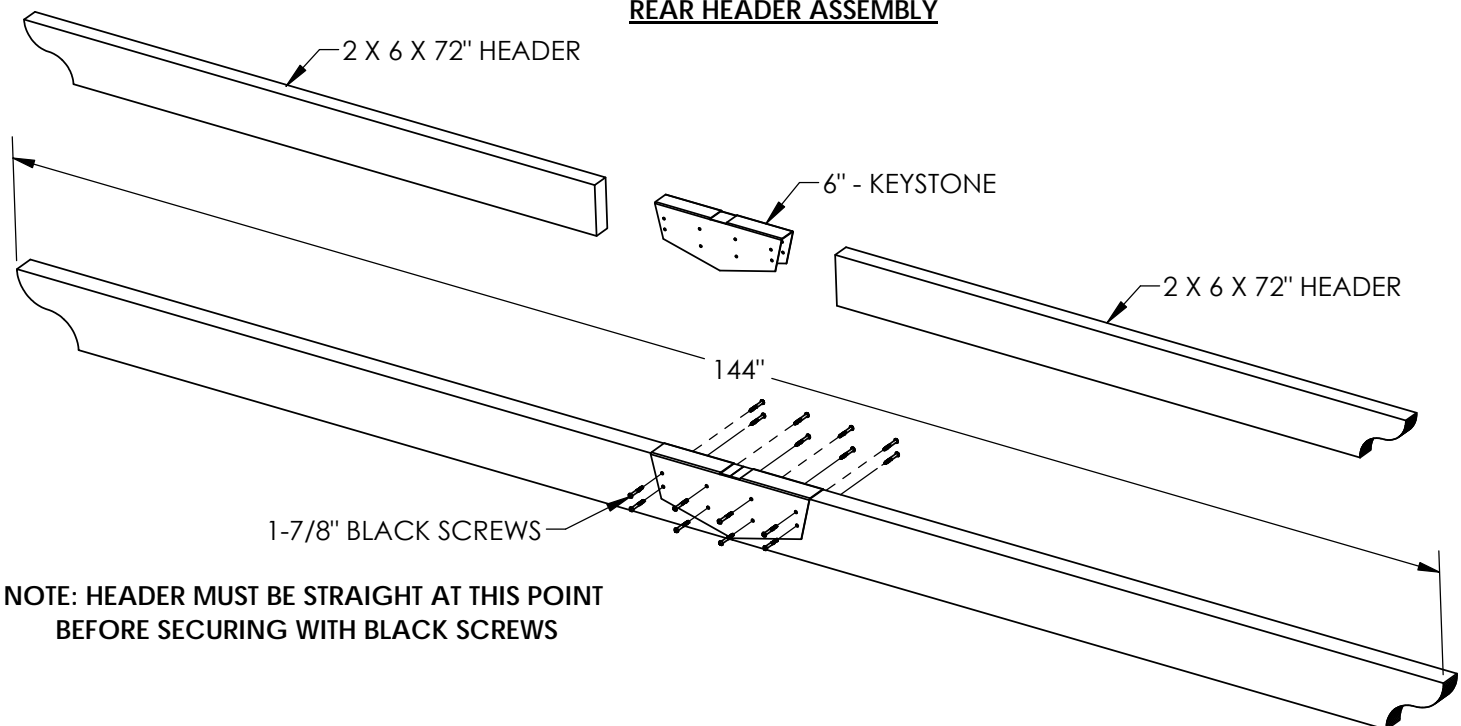
4.1 - PLACE TWO HEADERS ON A FLAT SURFACE. ASSEMBLE USING THE CORRESPONDENT SPLICE PLATE AND SECURE USING 1-7/8" BLACK SCREWS.

## FRONT HEADER ASSEMBLY



**NOTE: HEADER MUST BE STRAIGHT AT THIS POINT BEFORE SECURING WITH BLACK SCREWS**

## REAR HEADER ASSEMBLY

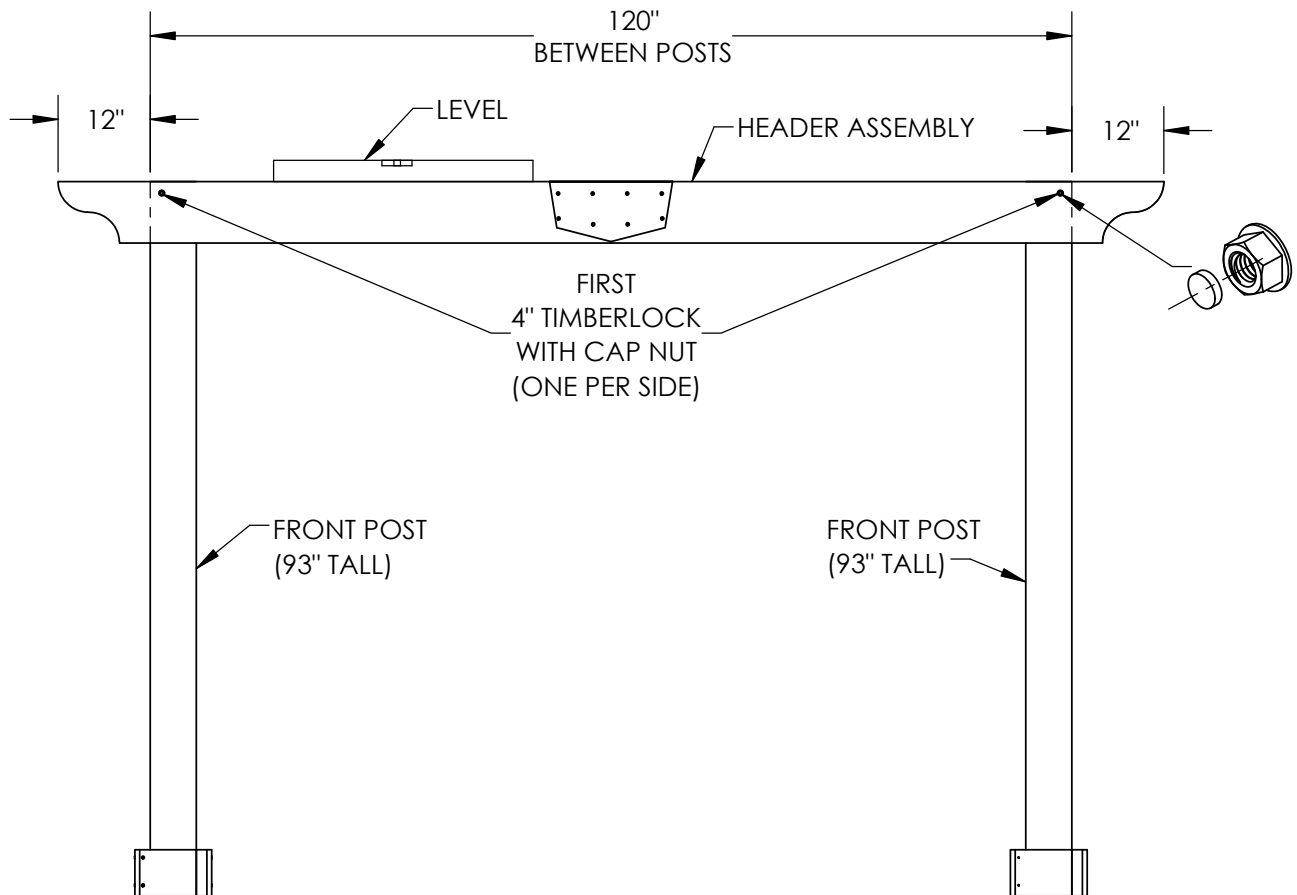


**NOTE: HEADER MUST BE STRAIGHT AT THIS POINT BEFORE SECURING WITH BLACK SCREWS**

# STEP 5: FRONT HEADER

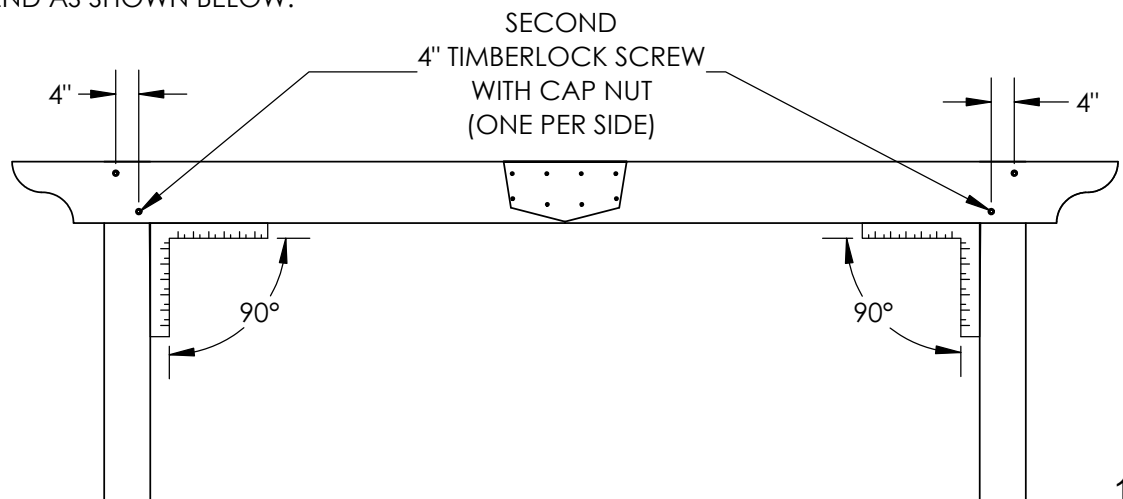
5.1 - PLACE THE 2 X 8 HEADER ASSEMBLY TO THE FRONT POSTS. THE HEADER IS PRE-MARKED AT 12" TO EXTEND BEYOND THE POST ON EACH END. INSTALL FIRST 4" TIMBERLOCK SCREWS AND CAP NUTS TO TOP OF POST ON BOTH ENDS OF HEADER.

**HEADER ASSEMBLY MUST BE FLUSH TO AT LEAST ONE POST TOP END.  
HEADER ASSEMBLY MUST BE LEVEL.  
IF OPPOSITE POST IS TALLER, POST WILL NEED TO BE TRIMMED.  
TOP OF HEADER ARE MARKED FOR 12" OVERHANG AT SIDES**



5.2 - CHECK POST TO HEADER CONNECTION WITH A SQUARE. INSTALL SECOND TIMBERLOCK SCREWS AND CAP NUTS TO EACH END AS SHOWN BELOW.

**NOTE:**  
STAGGER SCREWS  
DIAGONALLY IN  
OPPOSITE CORNERS  
OF POST AT HEADER

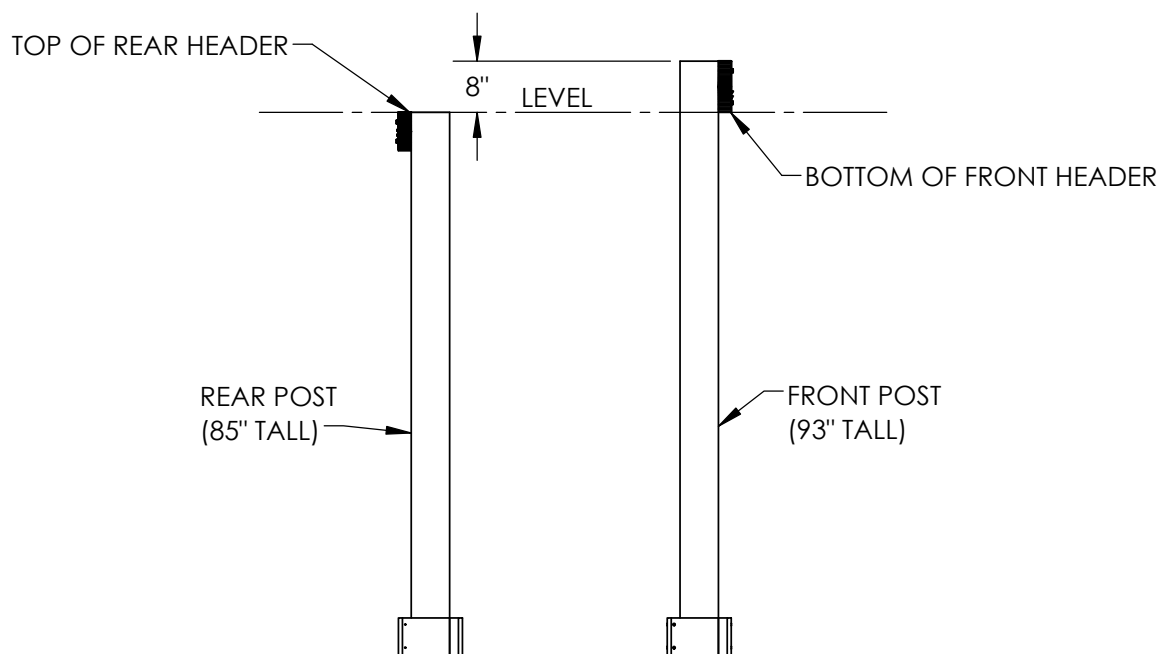
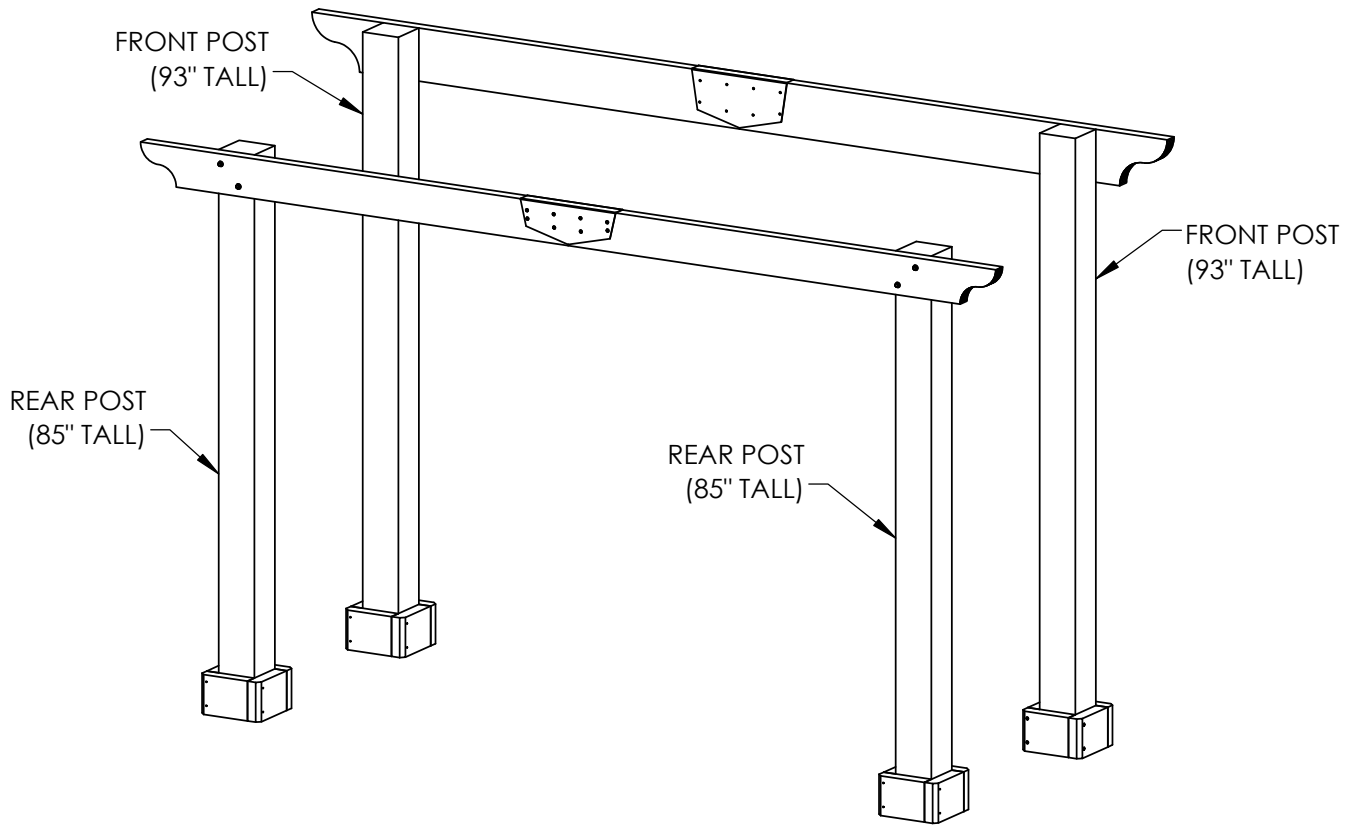


# STEP 6: REAR HEADER

6.1 - REPEAT STEP 5 FOR REAR POSTS (85" TALL)

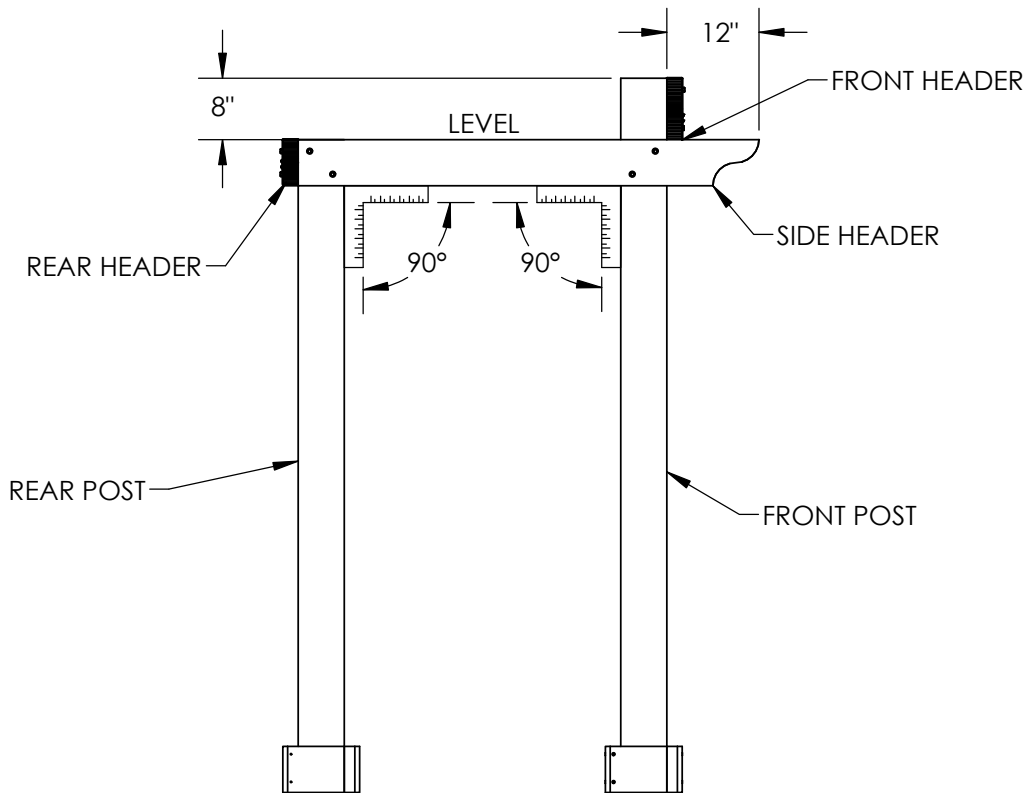
**NOTE:**

*BACK HEADER WILL BE LOWER THAN THE FRONT HEADER (TOP OF BACK HEADER LEVEL WITH BOTTOM OF FRONT HEADER)*

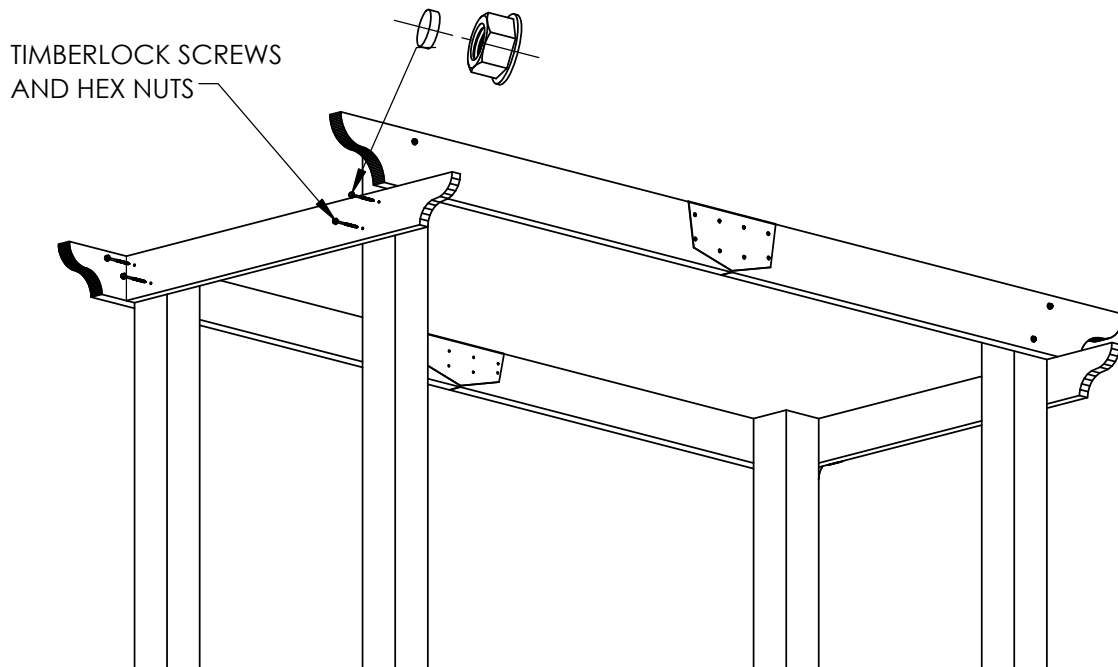


## STEP 7: SIDE HEADERS

7.1 - INSTALL TWO SIDE HEADERS 2 X 6 X 60" ON OUTSIDE OF POST AT EACH SIDE. SQUARE AND LEVEL WITH TOP OF BACK HEADER AND EXTENDING 12" PAST FRONT POST UNDER THE FRONT HEADER.



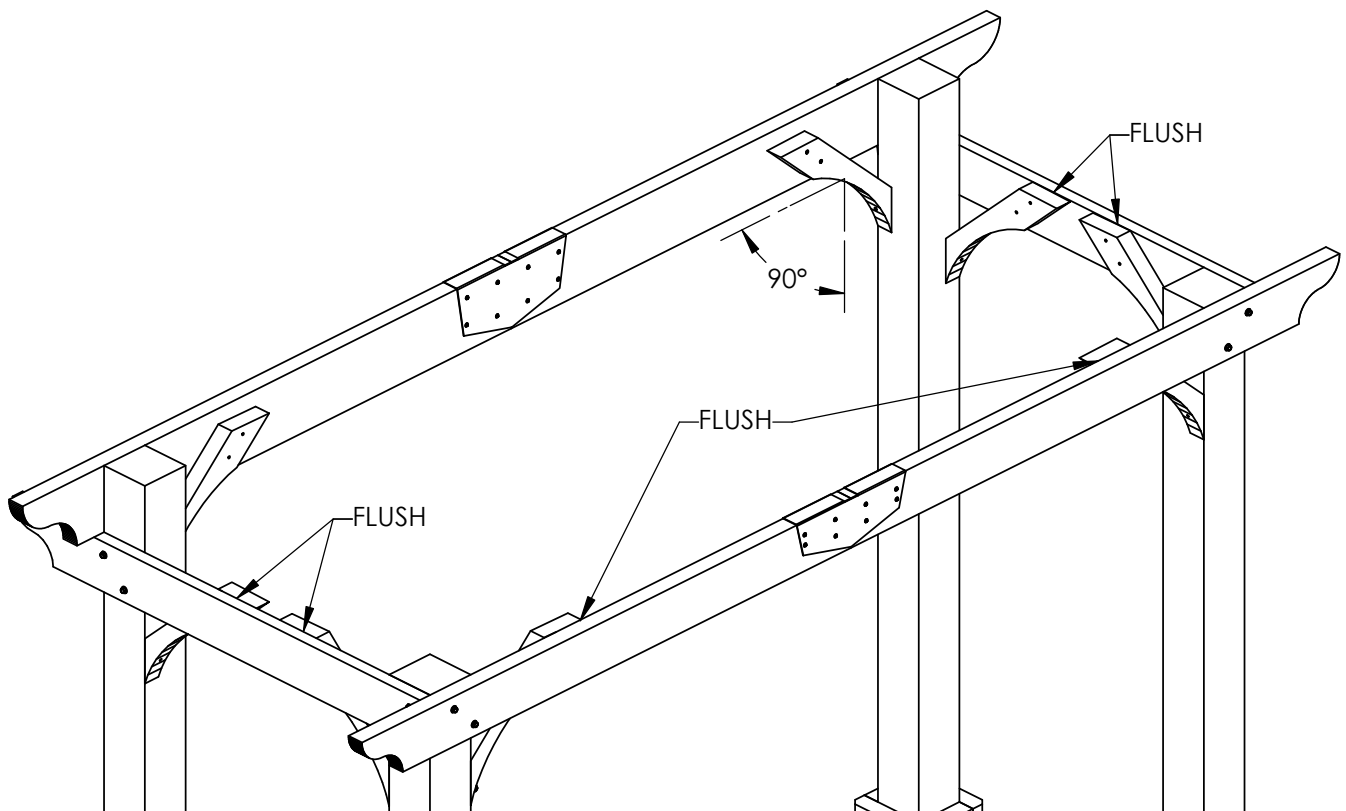
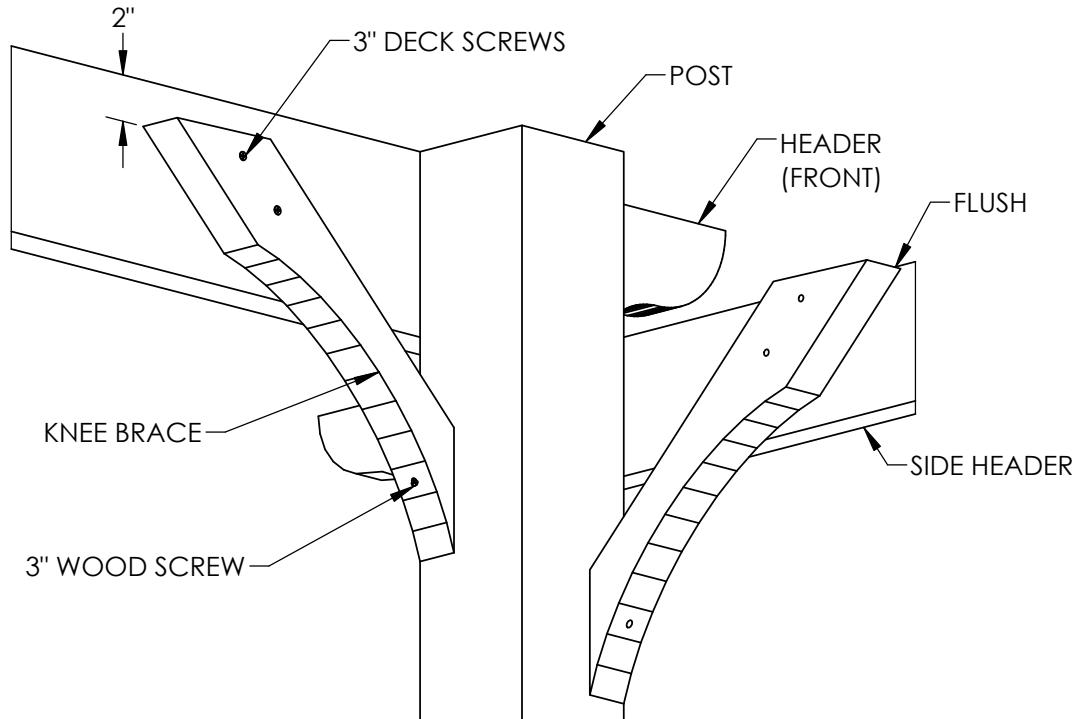
7.2 - SECURE USING 4" TIMBERLOCK SCREWS AND CAP NUTS AS SHOWN BELOW.



# STEP 8: KNEE BRACES

8.1 - INSTALL FOUR KNEE BRACES TO POST FACE WITH 3" DECK SCREWS AND FLUSH WITH TOP OF HEADER WITH TWO 3" DECK SCREWS THROUGH BRACE INTO HEADER.

**NOTE:**  
ENSURE EACH TIME, POST AND HEADER CONNECTIONS ARE SQUARE TO EACH OTHER.

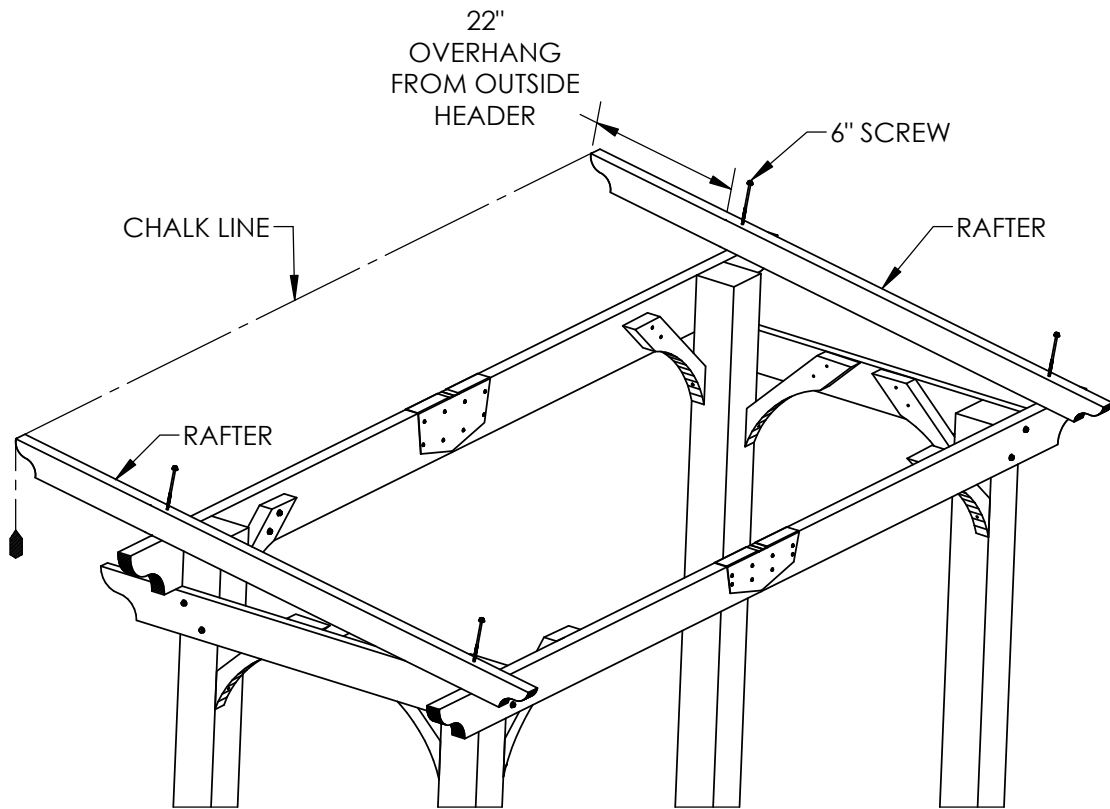


## STEP 9: RAFTERS

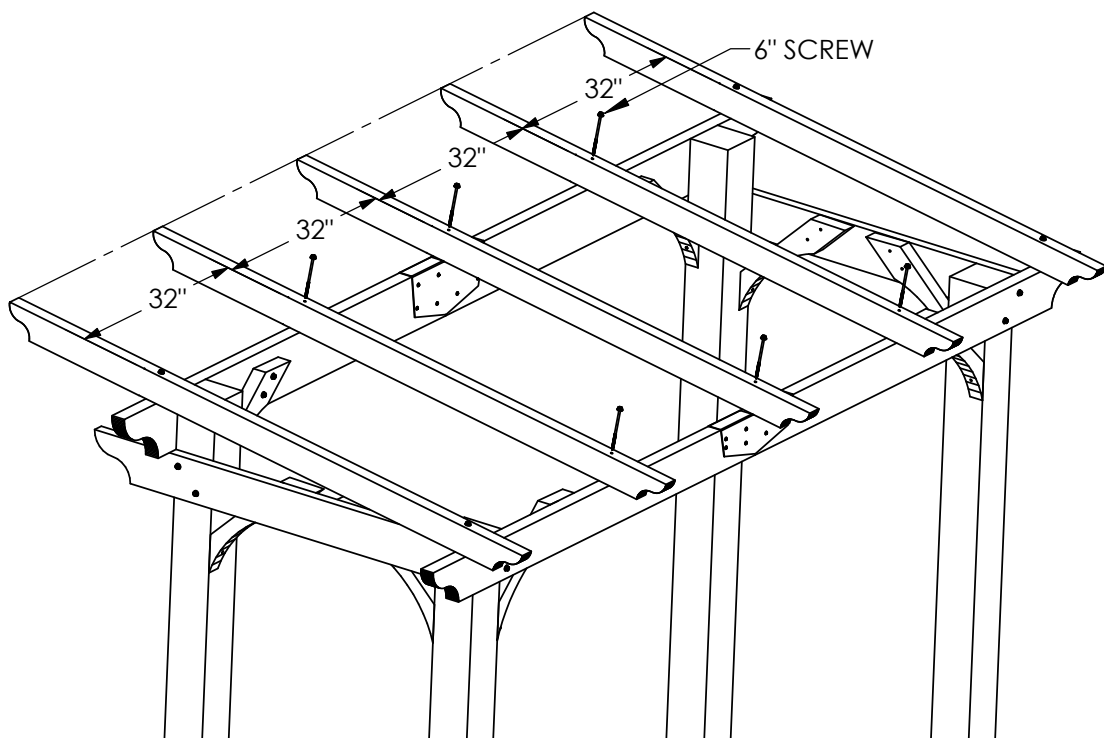
9.1 - RAFTERS ARE SPACED 32" CENTER TO CENTER. TOP OF HEADERS ARE PRE-MARKED WITH DOUBLE LINE TO SHOW PLACEMENT LOCATION OF EACH RAFTER.

**NOTE:**

INSTALL FIRST AND LAST RAFTER AND USE A STRING LINE ACROSS TAILS TO LINE UP ADDITIONAL RAFTERS.



9.1 - LAY REMAINING RAFTERS AND SECURE WITH 6" SCREWS BY GOING DOWN THROUGH THE PREDRILLED HOLE IN RAFTER AND SECURING TO THE FRONT AND REAR HEADER AS SHOWN BELOW.

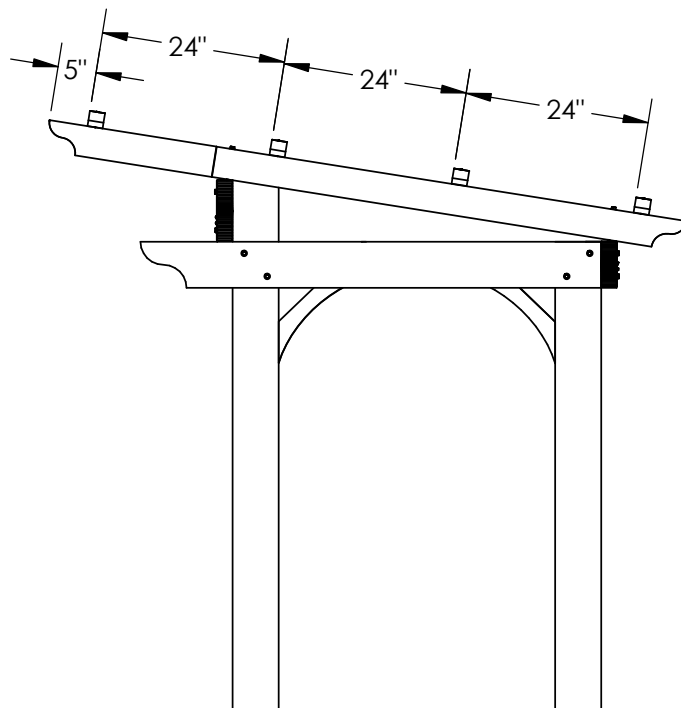
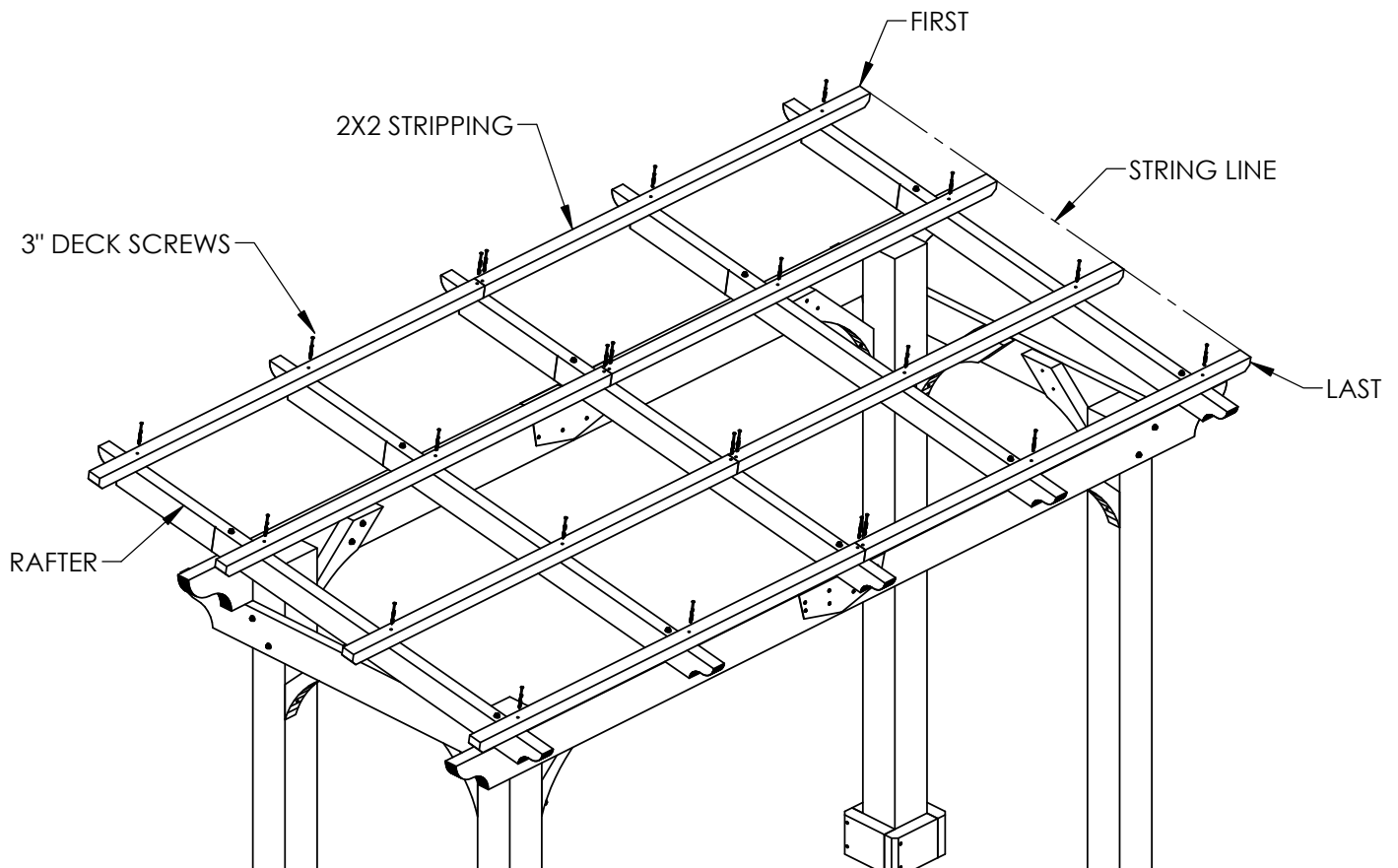


## STEP 10: 2 X 2 STRIPPING

10.1 - *THE RAFTER TOP EDGE IS PRE-MARKED FOR 2 X 2 STRIPPING.* EXTEND THE END BEYOND THE RAFTER TO SAME DISTANCE AS TAIL OF HEADER. ATTACH THE 2 X 2 STRIPPING TO RAFTERS WITH 3" DECK SCREWS.

**NOTE:**

*INSTALL FIRST AND LAST STRIP AND USE A STRING LINE ACROSS TAILS TO LINE UP ADDITIONAL STRIPS.*



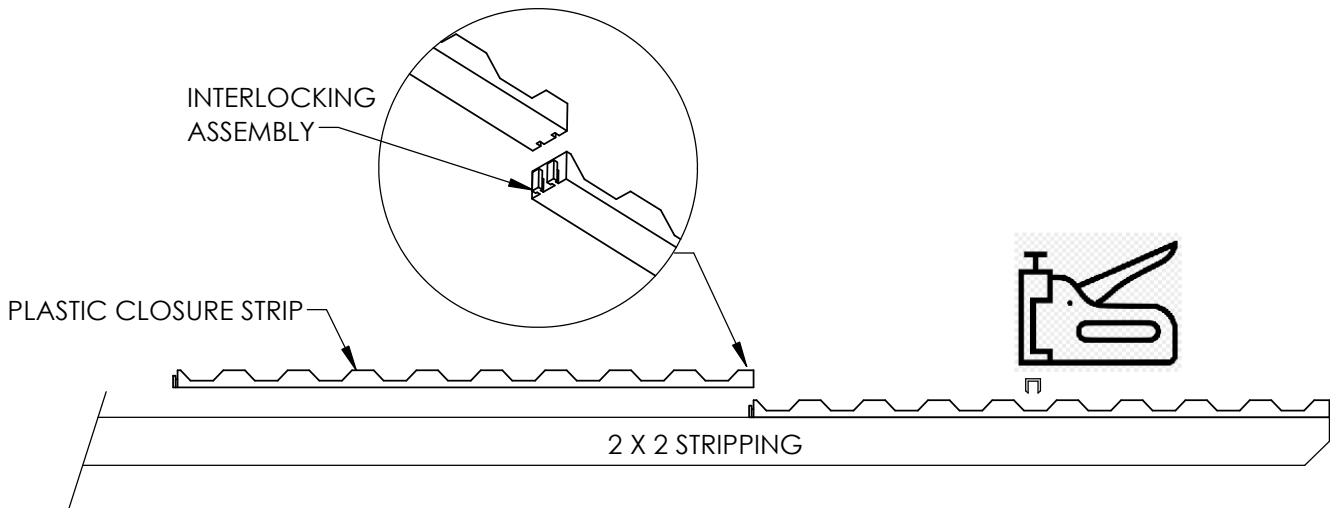
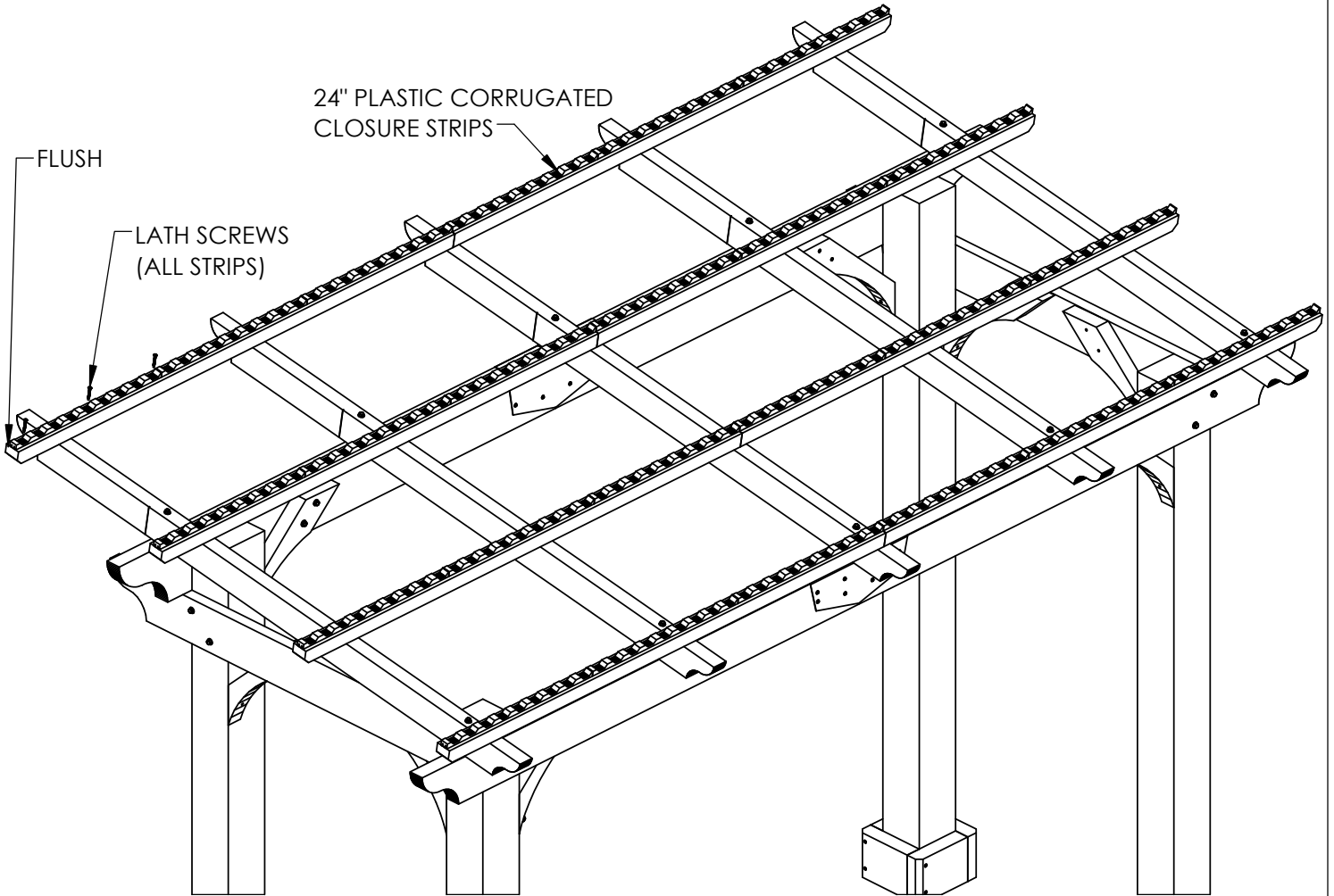


# STEP 11: PLASTIC CORRUGATED CLOSURE

11.1 - INSTALL 24" PLASTIC CORRUGATED CLOSURE STRIPS ON TOP OF EACH 2 X 2 STRIP. BEGIN WITH "HUMP END" FLUSH WITH END OF STRIPPING. SECURE USING TRUSS HEAD SCREWS (LATH SCREWS) 3 PER CLOSURE STRIP.

**NOTE:**

CLOSURE STRIPS INTERLOCK WITH EACH OTHER. KEEP THEM ALL FACING THE SAME WAY AND PERIODICALLY CHECK ALIGNMENT OF ROWS FROM TOP STRIP TO BOTTOM STRIP.



## STEP 12: POLY SHEET

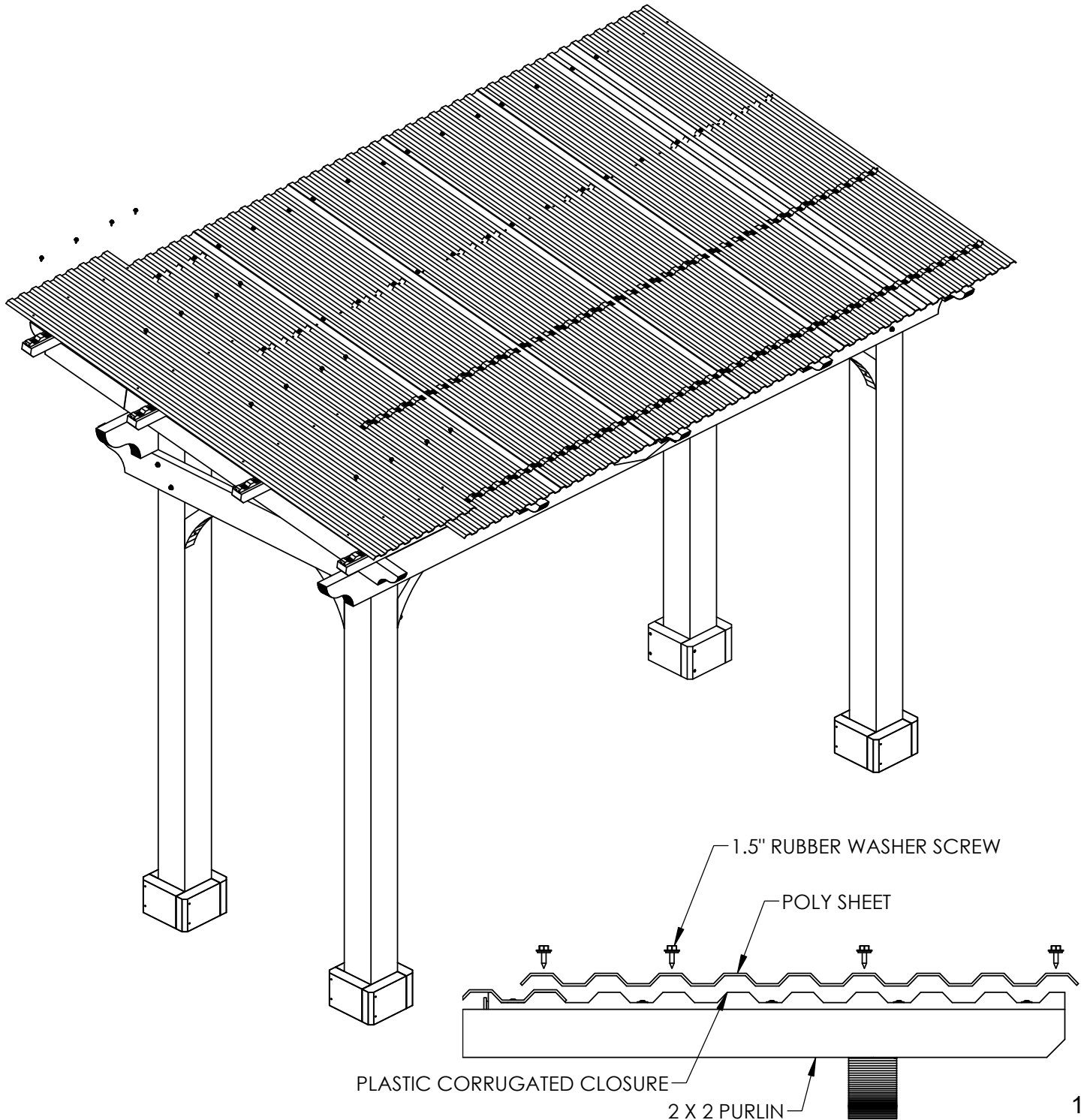
12.1 - INSTALL POLY SHEET WITH RUBBER WASHER SCREWS (4) PER 2 X 2 PURLIN AND 8" APART STARTING AT END OF 2 X 2 PURLIN (16 RUBBER WASHER SCREWS PER SHEET) ***SIDE OF SHEET WITH FACTORY LABEL SHOULD FACE UP TO ENSURE UV INHIBITOR IS FACING UP.***

*FIRST SHEET SHOULD HAND OVER END OF PLASTIC CLOSURE STRIP. EACH ADDITIONAL SHEET WILL OVERLAP ONE RIDGE OF THE PREVIOUS SHEET.*



**NOTE:**

***DO NOT STAND ON TOP OF STRUCTURE TO SECURE SHEETS. SCREW ON TOP OF RIDGE, EVERY OTHER RIDGE. DO NOT OVERTIGHTEN SCREWS. RUBBER WASHER SHOULD NOT DEFORM.***



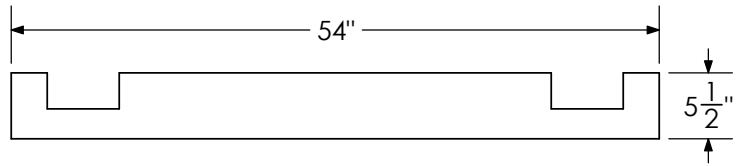
# SERVICE BAR PART IDENTIFICATION

QTY.

DESCRIPTION

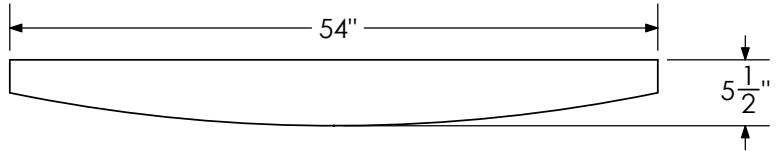
X4

1 x 6 x 54" - BAR TOP BOARD



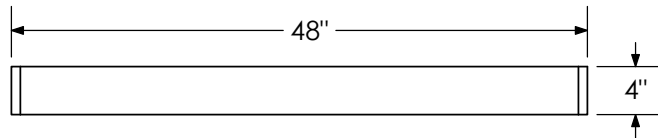
X2

1 x 6 x 54" - BAR TOP FINISHER



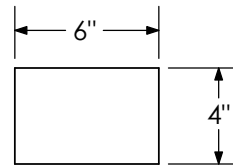
X8

2 x 4 x 48" - RAIL



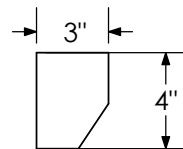
X2

2 x 4 x 6" - CLEAT



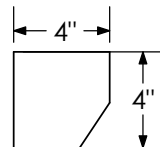
X4

2 x 3 x 4" - LOOKOUT



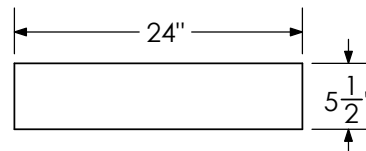
X2

2 x 4 x 4" - LOOKOUT



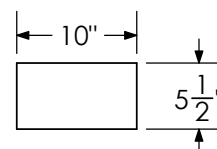
X20

5/8 x 6 x 24" - PICKET  
(MAY INCLUDE EXTRA)



X12

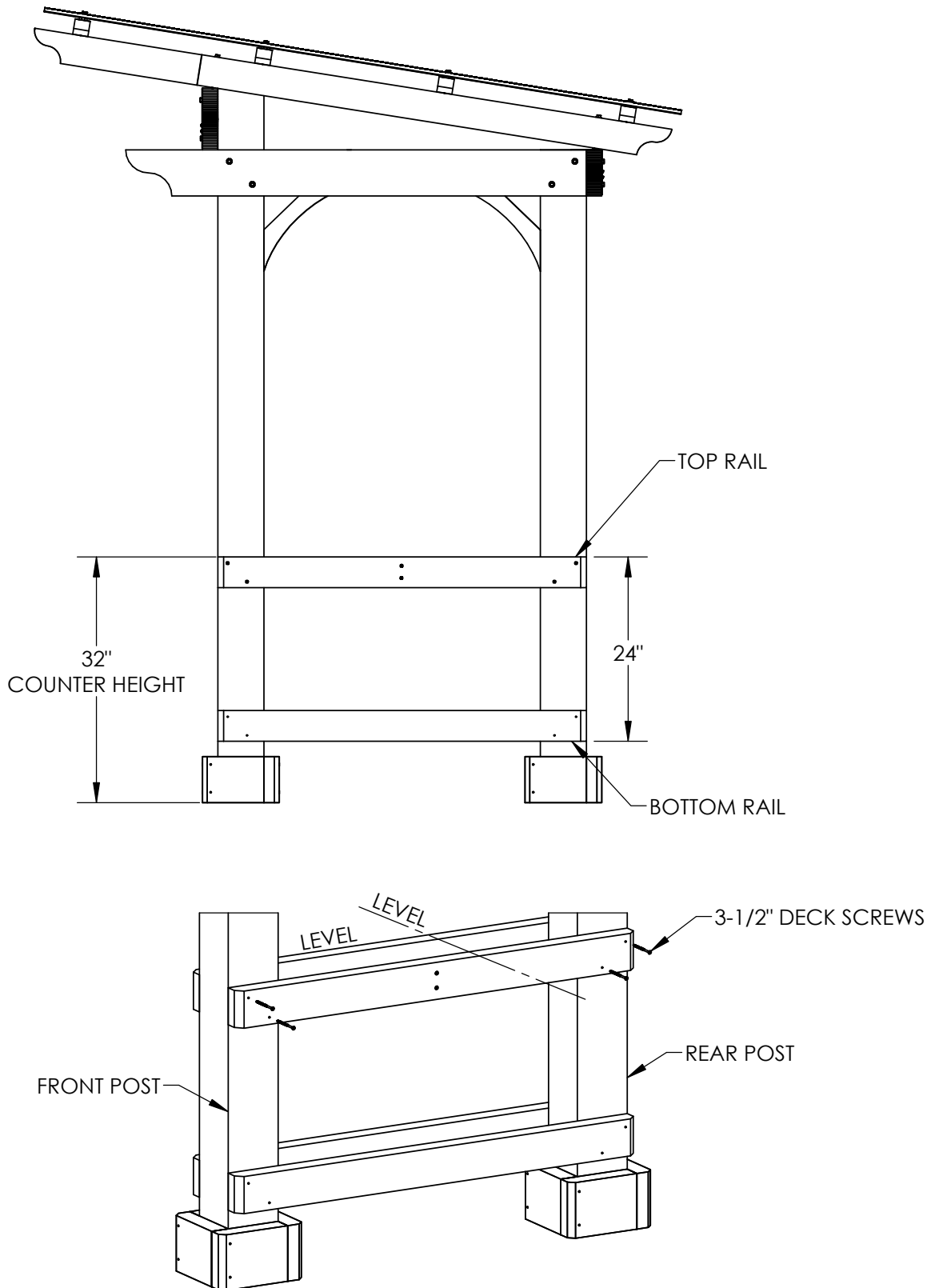
5/8 x 6 x 10" SHELF PICKET  
(MAY INCLUDE EXTRA)



# STEP 1: RAILS

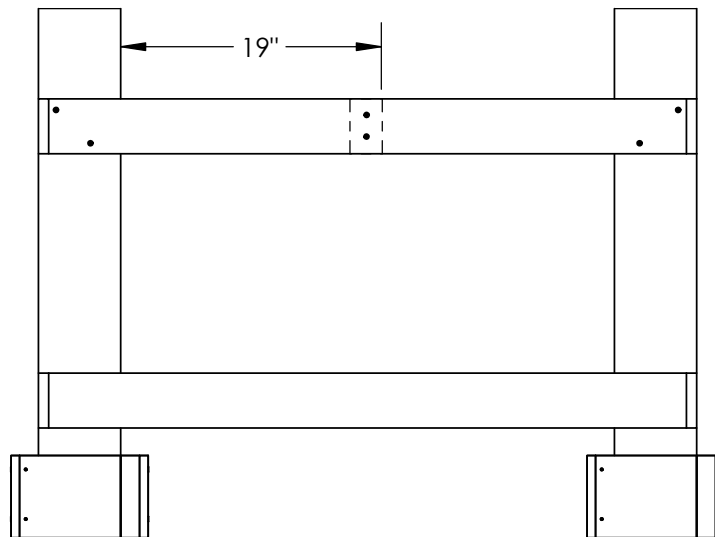
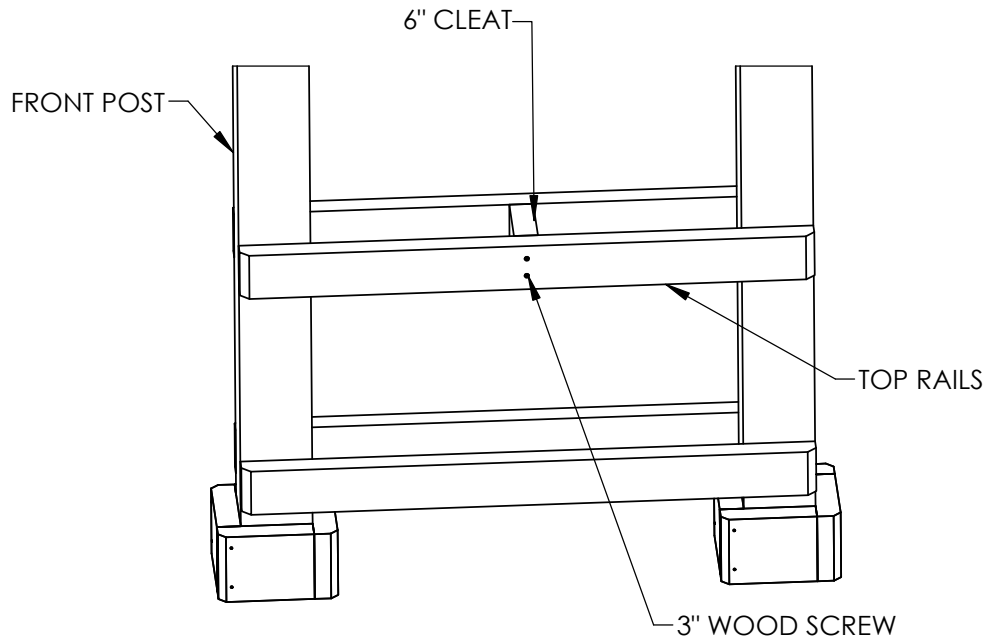
1.1 - AFTER ASSEMBLY OF PERGOLA IS COMPLETE, ATTACH TOP 2 X 4 RAILS AT 32" FOR TYPICAL COUNTER HEIGHT (OR 38" FOR TYPICAL BAR HEIGHT) TO THE INSIDE AND OUTSIDE OF POSTS. CONFIRM LEVEL SIDE TO SIDE AND INSIDE TO OUTSIDE BETWEEN RAILS.

1.2 - ATTACH LOWER RAILS 24" FROM THE TOP EDGE OF TOP RAILS TO BOTTOM EDGE OF BOTTOM RAILS AS SHOWN BELOW.



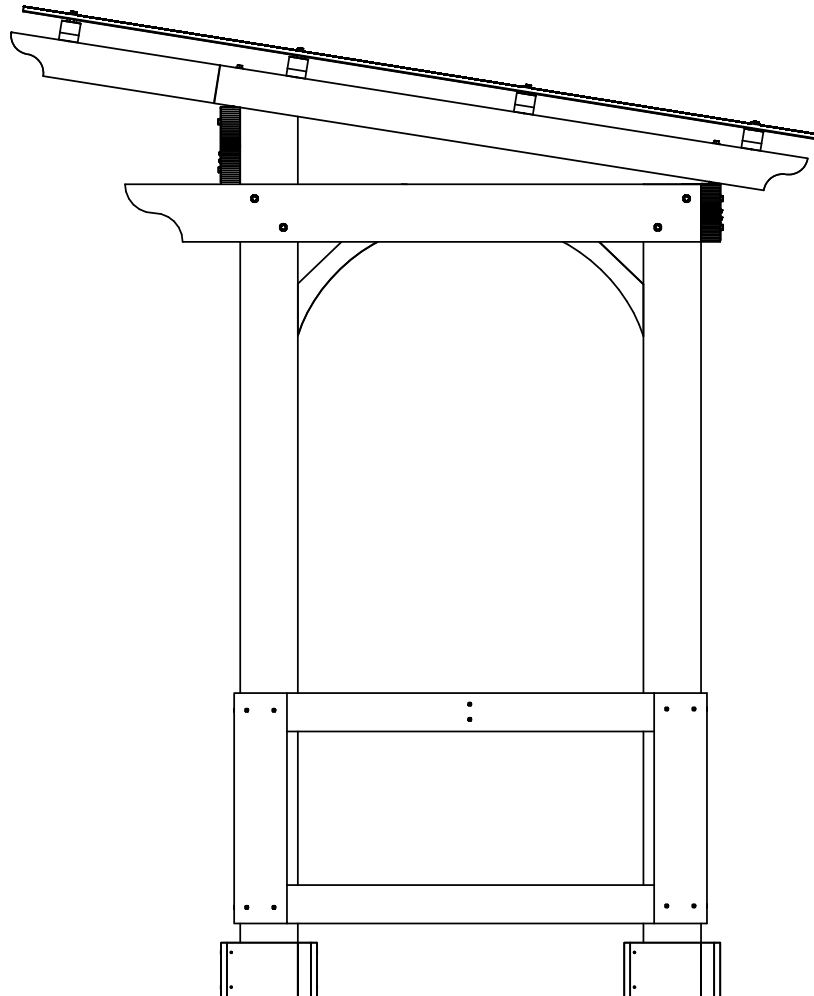
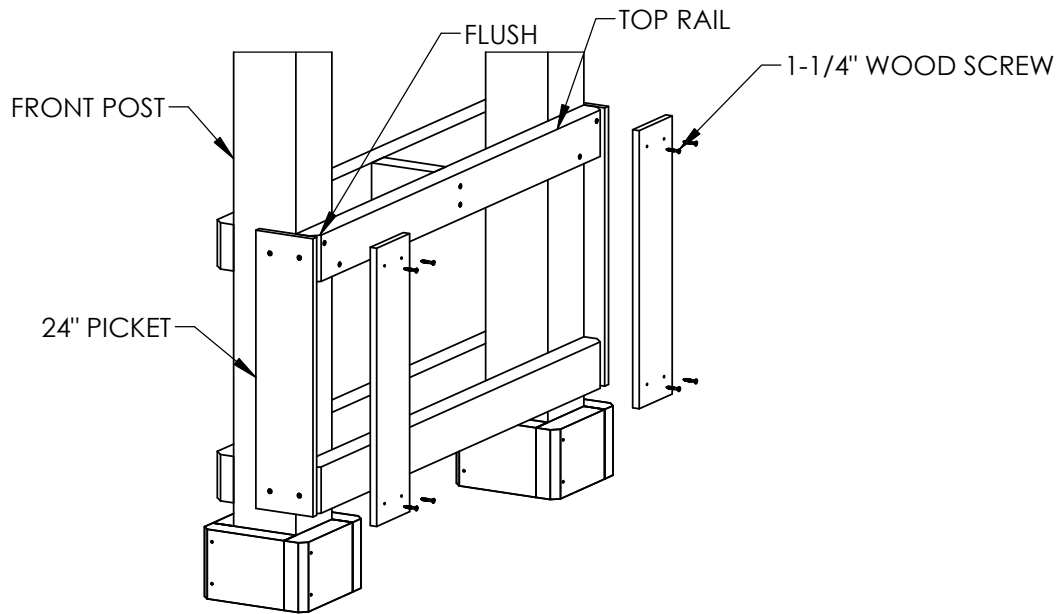
## STEP 2: 6" CLEATS

2.1 - ATTACH SINGLE 2 X 4 X 6" CLEATS BETWEEN THE TOP RAILS AND FASTEN USING 3" WOOD SCREWS ON BOTH SIDES.



## STEP 3: CORNER 24" PICKETS

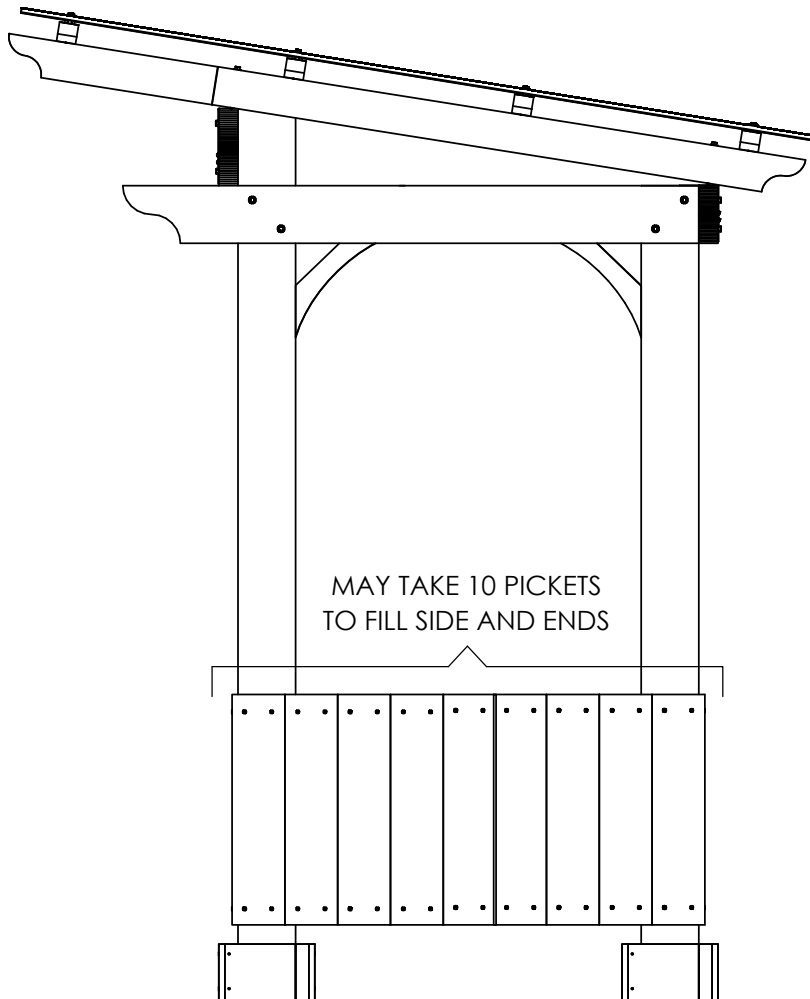
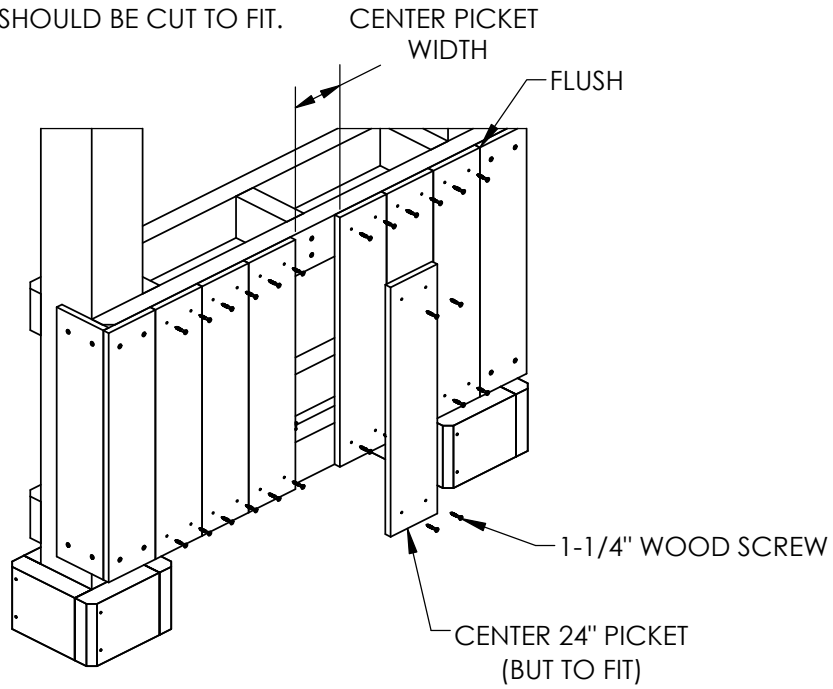
3.1 - ATTACH TWO 24" PICKETS TO THE OUTSIDE PER POST AND FLUSH TO TOP RAIL. FASTEN USING 1-1/4" WOOD SCREWS AS SHOWN BELOW.



# STEP 4: FILLER 24" PICKETS

4.1 - WORKING FROM BOTH ENDS, FILL WITH ADDITIONAL 24" PICKETS AS SHOWN BELOW.

4.2 - THE CENTER 24" PICKET SHOULD BE CUT TO FIT.

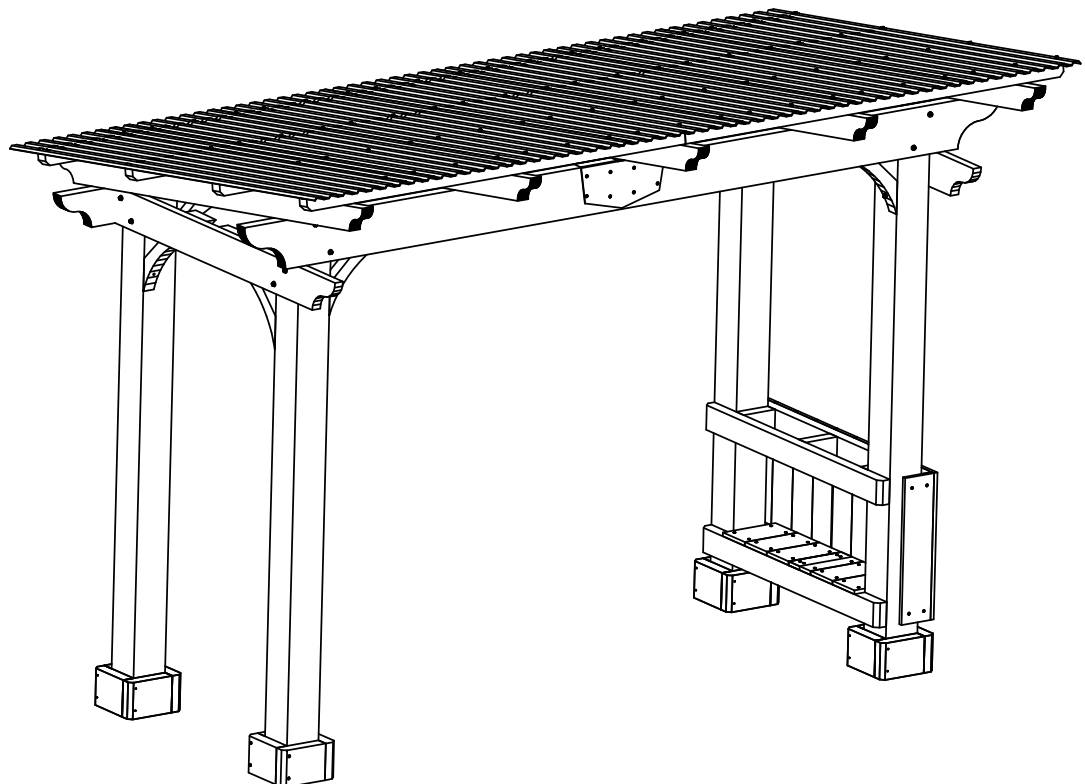
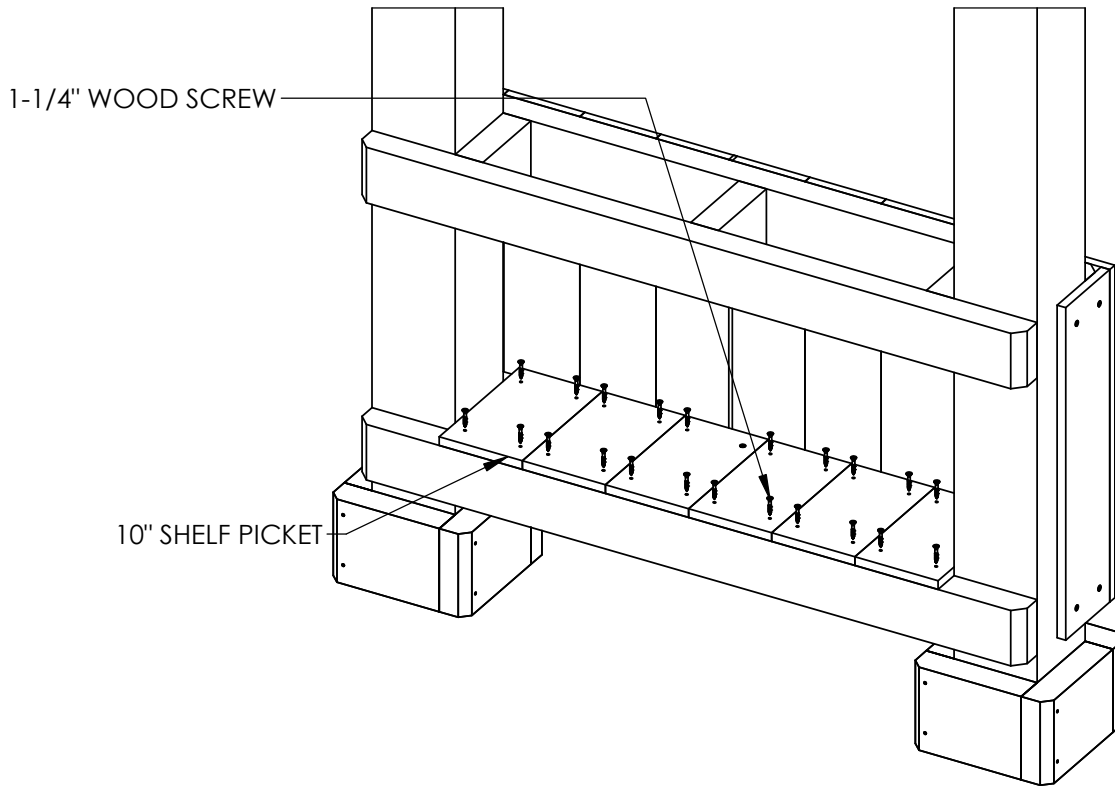


## STEP 5: 10" SHELF PICKETS

5.1 - ATTACH TWO 10" SHELF PICKETS ON TOP OF BOTTOM RAILS AND FASTEN USING FOUR 1-1/4" WOOD SCREWS PER PICKET.

5.2 - ATTACH SHORT PICKETS ON TOP OF BOTTOM RAIL ON BOTH ENDS. AS SHOWN BELOW.

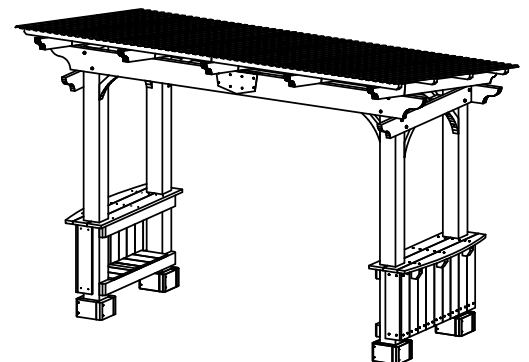
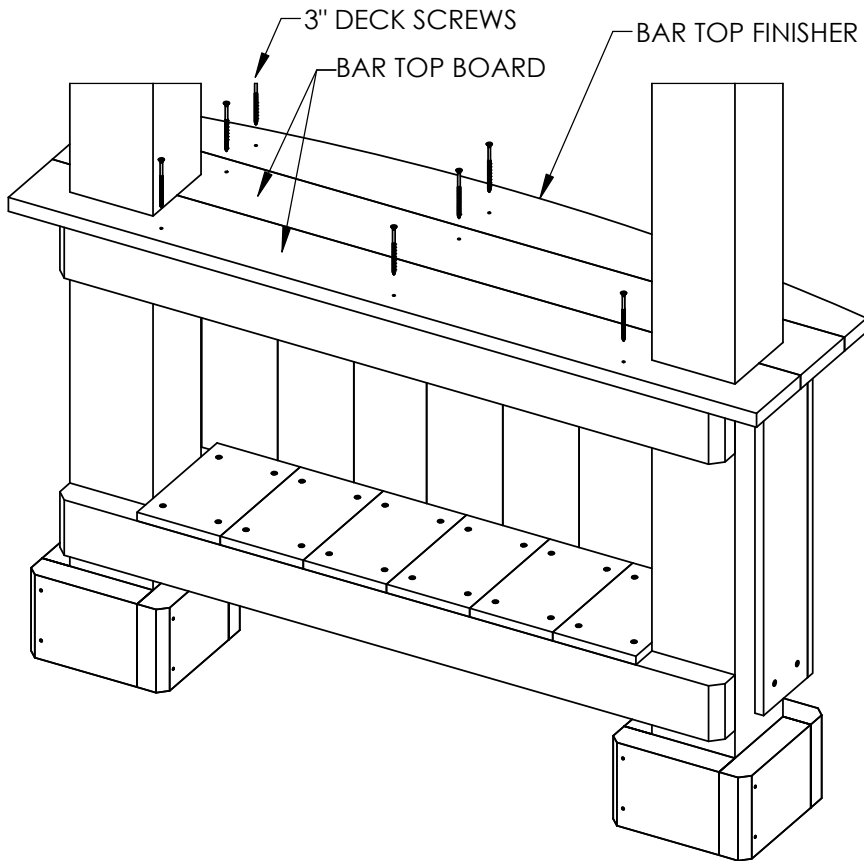
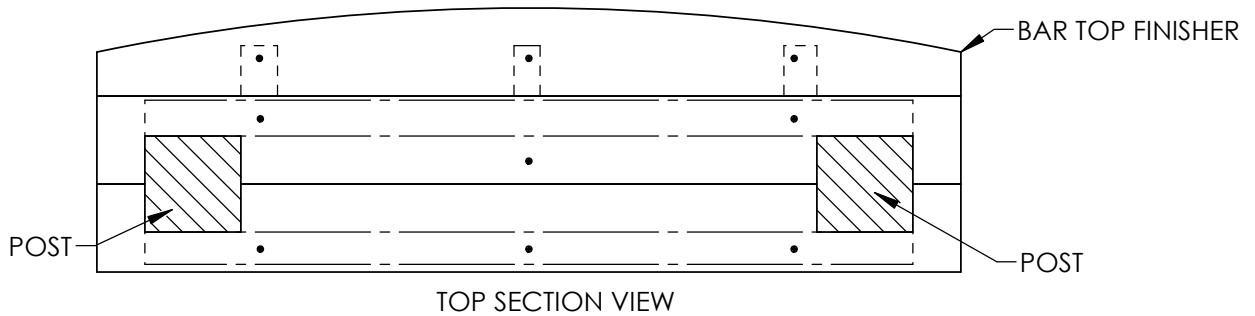
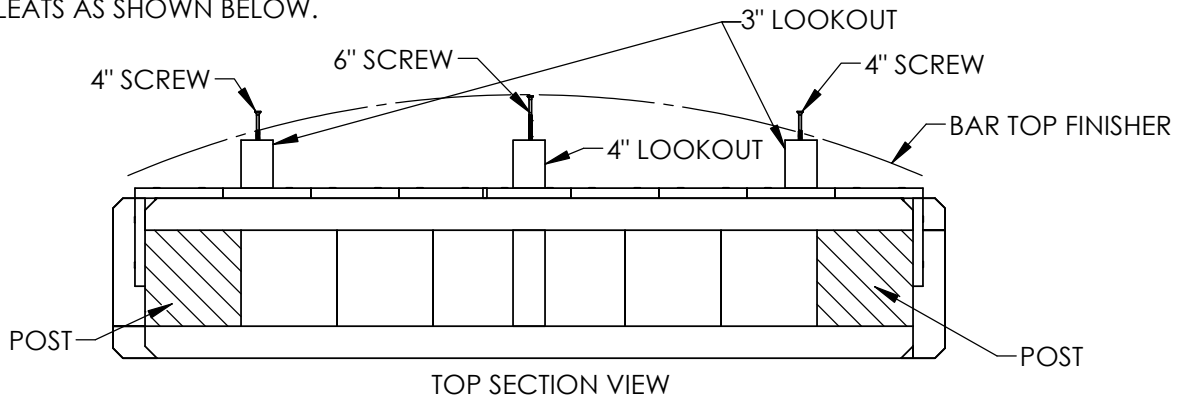
5.3 - CENTER PICKET SHOULD BE CUT TO FIT.





# STEP 6: BAR TOP BOARDS

6.1 - INSTALL 3 BAR TOP LOOKOUTS. FASTEN USING SIX 4" & 6" SCREWS AS SHOWN PER BAR TOP BOARD INTO CLEATS AS SHOWN BELOW.



**NOTE:**  
MODEL PURCHASED HAS TWO SERVICE BARS, REPEAT STEPS 1 THRU SIX FOR OPPOSITE SIDE.

## LIMITED CONDITIONAL WARRANTY\*

Backyard Storage Solutions, LLC warrants the following:

1. Every product is warranted from defects in workmanship and manufacturing for one (1) year from the original date of purchase.
2. All accessories, hardware and metal components are warranted for one year.
3. North American Timber is warranted for One (1) years against rot and decay.
4. This product is warranted for RESIDENTIAL USE ONLY.
5. This Limited Warranty does not cover minor or cosmetic defects in wood such as knots, checks (splits, cracks), minor twisting and warping over time, or any other natural occurring properties of wood that do not affect the performance or integrity of the structure.

Backyard Products LLC will repair, replace or pay for the affected part. In no event shall Backyard Products, LLC pay the cost of inspection, labor or installation or any other costs related thereto. All warranties are from date of purchase. If a cash refund is paid on an affected part, it will be prorated from the date of purchase.

### CONDITIONS

The warranty is effective only when:

1. The unit has been erected in accordance with the assembly instructions.
2. The unit has properly applied roofing panels and regularly maintained.
3. The structure is properly leveled and anchored. Failure to anchor will void your warranty.
4. The failure occurs when the unit is owned by the original purchaser and is not transferable.
5. Any modifications made to the original structure could damage the structure or result in structural failure. Backyard cannot assume any responsibility for modifications to the structure. Modifications to the structure voids any and all warranties.
6. Backyard Products, LLC has received the warranty registration within thirty (30) days of purchase and notification of the failure in writing within the warranty period specified above.
7. Backyard Products, LLC has had reasonable opportunity during the sixty (60) days following receipt of notification to inspect and verify the failure prior to commencement of any repair work.

### REQUIREMENTS

To validate your warranty, it is necessary to properly maintain your Backyard Products, LLC unit. This includes roof panels, Brackets and fasteners which indicate rust or chipping of painted surfaces should be sanded, and apply oil base stain to maintain appearance and longevity. Maintenance must be done regularly or as needed to maintain your warranty. Keep vegetation trimmed away from structure. Water from sprinklers must be kept off unit. Avoid installing the structure in standing water or areas that collect water.

In no event will Backyard Products, LLC be responsible for any indirect, incidental, consequential or special damages, vandalism, nor for failure(s) that are caused by events, acts or omissions beyond our control including, but not limited to, misuses or improper assembly, improper maintenance (which eventually leads to rust, rot or decay) and acts of God. Backyard Products, LLC will not be held responsible for any labor costs incurred to construct your unit.

This warranty gives you certain specific rights that vary from state to state.

### CLAIM PROCEDURE

To make a claim under this warranty, you can either call 1-888-268-4981.

Please have ready the information below when you call or include the information in your email:

1. The model and size of the product.
2. A list of the part(s) for which the claim is made.
3. Proof of purchase of the Backyard Products, LLC item, as shown on the original invoice or receipt.

All other inquiries can be mailed to:

Backyard Products, LLC  
Attn: Customer Service  
1000 Ternes Monroe, MI 48162

WARRANTY TERMS MAY VARY OUTSIDE THE U.S.A. IMPORTANT: This is your warranty certificate.