

Manufactured by: Backyard Discovery 3305 Airport Drive, Pittsburg, KS 66762 800-856-4445

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# 12x10 STRATFORD, ASHFORD, HAWTHORNE

**PERGOLA** 

Model #'s: 2105089B, 2105096B, 2105102B



Cancer and Reproductive Harm www.P65Warnings.ca.gov





Electrical enclosure available only in North America



#### Please visit www.backyarddiscovery.com

For the most up to date assembly manual, to register your product, or to order replacement parts Para obtener instrucciones en español, visite www.backyarddiscovery.com



#### EASY STEP-BY-STEP

3D INTERACTIVE INSTRUCTIONS DOWNLOAD THE FREE APP





INSTALLATION SERVICES AVAILABLE!' See inside for details ONL A AILABLE IN S



## **Basic Setup Dimensions & Assembly Notes**

It is critically important that you start with square and level footings, concrete pad or deck to attach your structure

- Pay close attention to the items needed for each step. Make sure you are using the correct hardware for each step. Using incorrect hardware may result in improper assembly
- Remember to double check for underground utilities and overhead electrical lines

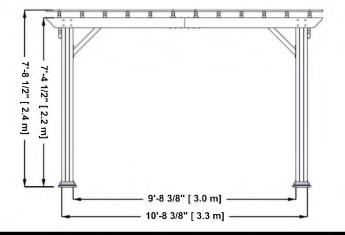
Post mounts are provided with your structure which allows you to permanently install your structure to a pre-existing or new wood or concrete surface.

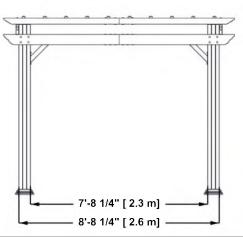
- The hardware to attach the post mounts to the structure is included.
- The hardware to mount the structure permanently to a concrete surface is NOT included.
- The hardware to mount the structure permanently to a wood deck is NOT included and will need to be purchased separately. You must ensure there is ample structural support under the deck before permanently attaching.

#### **Metal Roof Assembly**

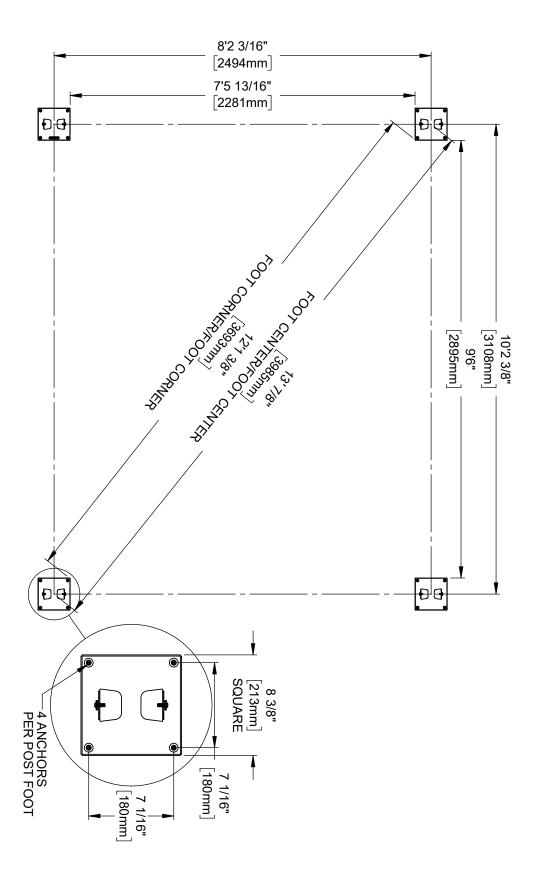
Remove plastic covering from metal roof panels before installing each piece. Place roofing materials on a nonabrasive, flat surface before and after assembly as it could bend, dent or scratch

# Overall Dimensions [w Z S ] Z L 10' [ 3.1 m]









	Metal Components (Not to Scale)	
• .		
	A1 POST - A4M01565 (2) 6"x6"x88" (152x152x2235)	
•		
	A2 POST - A4M01566 (2) 6"x6"x88" (152x152x2235)	
	B1 JOIST END - A4M01567 (2) 1 3/8"x5 1/4"x72 1/8" (36x134x1833)	
	•	•
	•	•
	B2 JOIST END - A4M01568 (2) 1 3/8"x5 1/4"x72 1/8" (36x134x1833)	
•	•	
	•	
	C1 JOIST END - A4M01563 (2) 1 3/8"x5 1/4"x60 1/8" (36x134x1526)	
	• •	
	• • •	
	(2) JOIST END - A4M01564 (2) 1 3/8"x5 1/4"x60 1/8" (36x134x1526)	
	D1 JOIST END - A4M01569 (8) 1 5/8"x3 1/8"x60 1/8" (40x80x1526)	
	D2 JOIST END - A4M01285 (16) 1 5/8"x3 1/8"x60 1/8" (40x80x1526)	



Metal	Components (Not to Scal	e)
J1 SPLICE BRACKET - A4M01269 (2) 1 1/4"x5 1/8"x19 5/8" (33x131x500)	J3   SPLICE BRACKET - A4M01271 (12)   1 1/2"x3"x15 3/4" (37x77x400)	<b>J2</b> SPLICE BRACKET - A4M01270 (2) 1 1/4"x5 1/8"x15 3/4" (33x131x400)
•	E1 PURLIN END - A4M01289 (10) 3/4"x1 5/8"x77 5/8" (20x40x1972)	•
•	E2   PURLIN END - A4M01290 (10)   3/4"x1 5/8"x66 7/8" (20x40x1698)	•
F1   LONG ANGLE BRA (2)   1 1/8"x4"x21 1/2" (30x)		SHORT ANGLE BRACE - A4M01275 1 1/8"x4"x14" (30x101x355)
F2 LL ONG ANGLE RPA	CE - AAM01274	
F2   LONG ANGLE BRA (2)   1 1/8"x4"x21 1/2" (30x1		SHORT ANGLE BRACE - A4M01276  1 1/8"x4"x14" (30x101x355)



#### **Hardware Components**











H101102 TORX PAN HEAD 1/4-20x4"

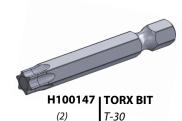


H101103 TORX SOCKET SCREW 1/4-20



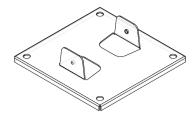




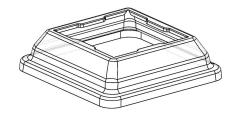




#### **Accessory Components (Not to Scale)**



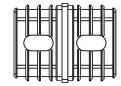
G1 POST FOOT PLATE - A4M01278
(4) 2 1/8"x8 3/8"x8 3/8" (54x213x213)



G2 POST FOOT - A4M01279 25/8"x9 7/8"x9 7/8" (68x250x250)



**H1** HOLE COVER - A4M01352



H2<sub>(10)</sub> 2-WAY SQUARE PLUG- A6P00465 3/4"x1 5/8"x2" (20x40x52)

9205413 ELECTRICAL ENCLOSURE

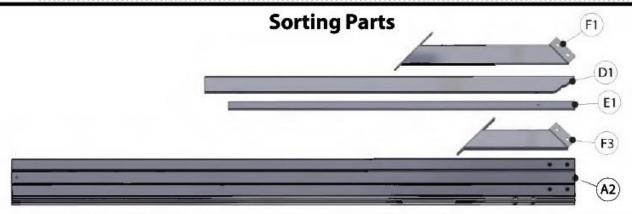


# PRE-ASSEMBLY STEP 1 SORTING PARTS



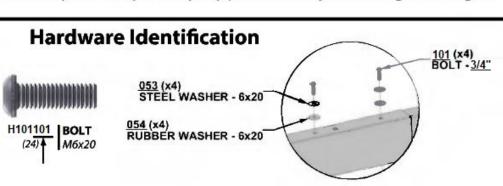
#### ASSEMBLY TIP:

Keep and eye out for these boxes which will contain helpful pictures and information making the assembly process as quick and painless as possible.



When removing the parts from the boxes we recommend arranging them by part number before you begin assembly. This will allow for faster assembly and easily identify any parts that may be missing or damaged.

Hardware is identified with a seven digit alpha-numeric part number. During assembly you only need to reference the last three digits of the part number as noted in each step. This will make finding the correct hardware easier.



#### **Tools Required**



Some steps in the assembly process will require a second set of hands. Make sure you have a helper available.



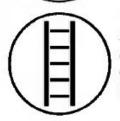
You will need to make sure that your assembly is square before fully tightening your bolts.



For proper assembly you will need to ensure that your structure is level before proceeding to the next step.



A tape measure may be needed to check overall dimensions to ensure structure is square.



A ladder will be needed for assembly. DO NOT stand or climb on any part of the structure at any point. Doing so may result in injury.

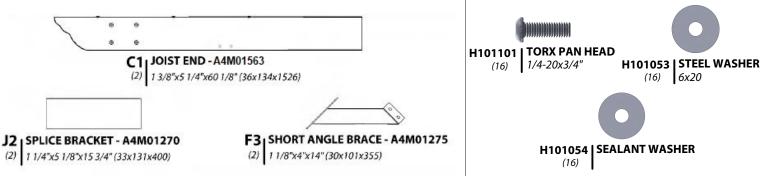


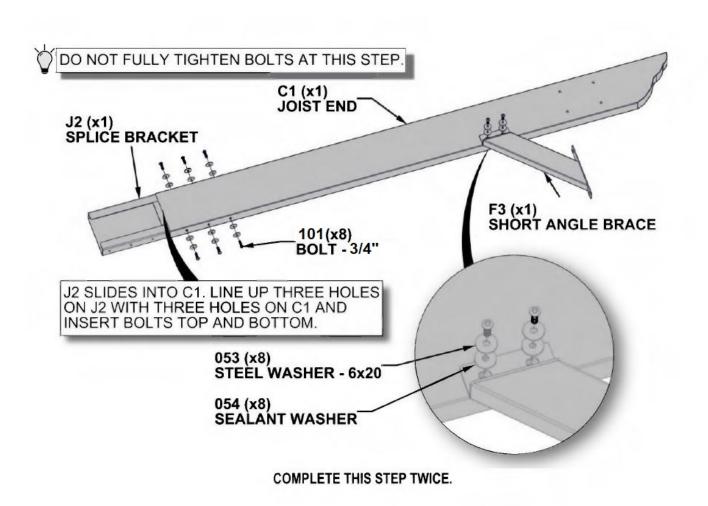
There are several types of assembly instructions available to you.

- 1. Printed Assembly Manual included with your set
- 2. BILT APP 3D interactive instructions
- 3. Combination of the Printed Manual and BILT APP (Note: Step numbers can differ between the two methods)

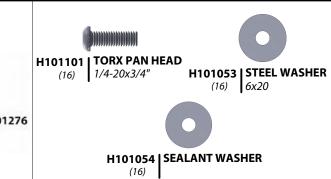




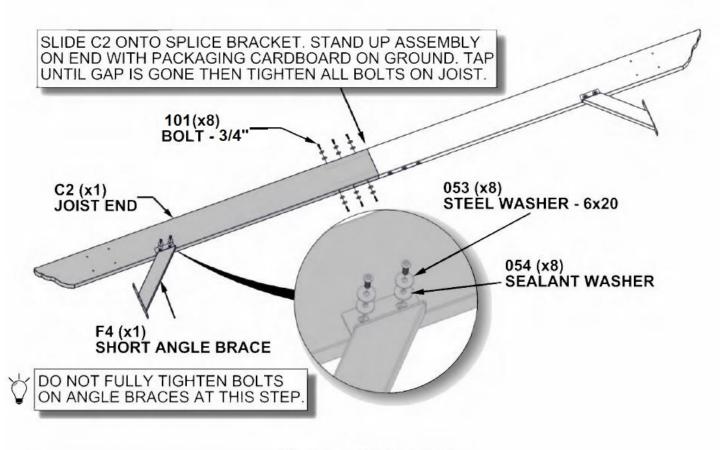




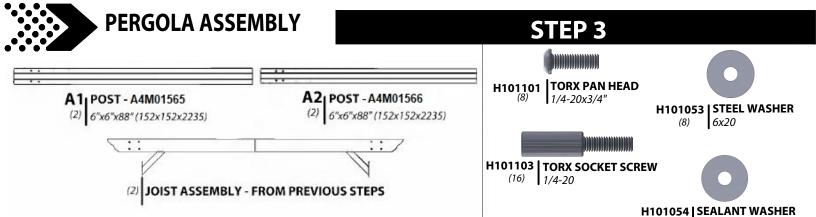


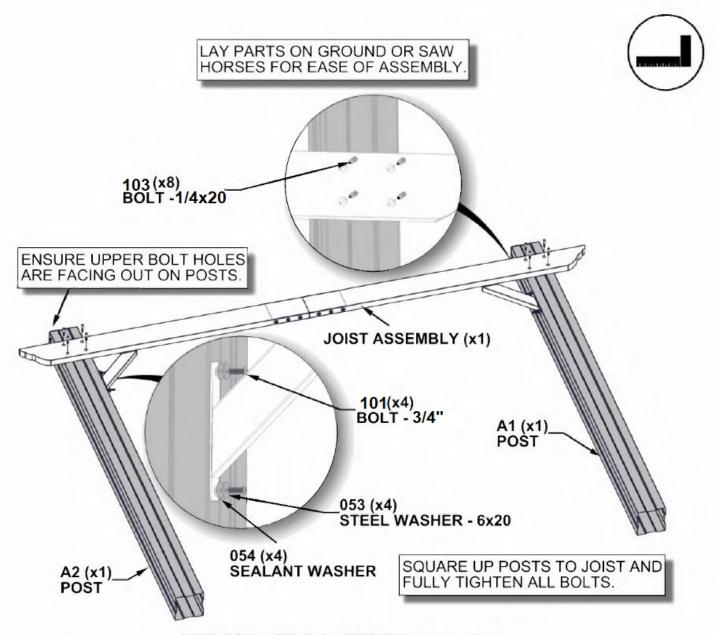






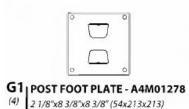
COMPLETE THIS STEP TWICE.



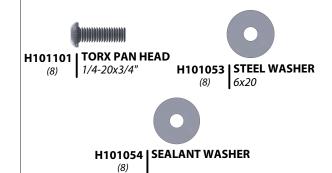


REPEAT THIS STEP FOR OTHER UPRIGHT ASSEMBLY.



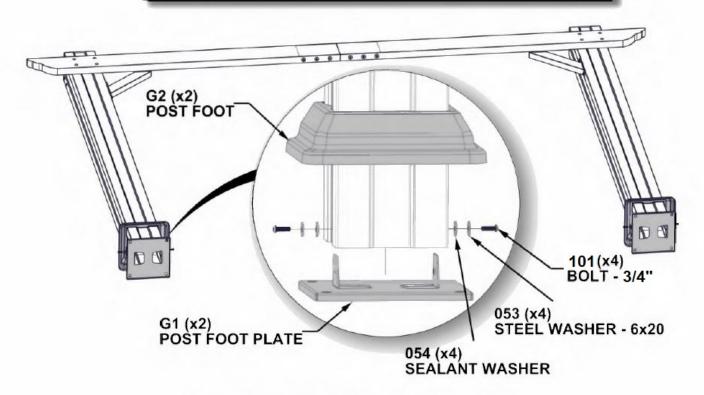




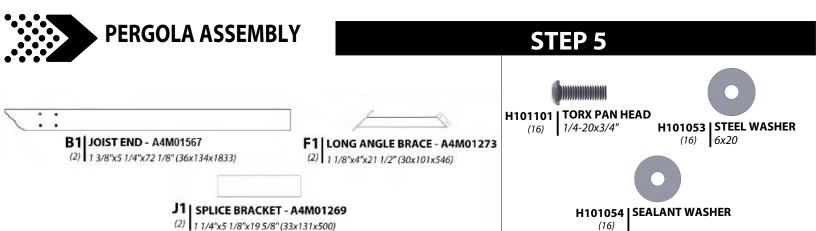


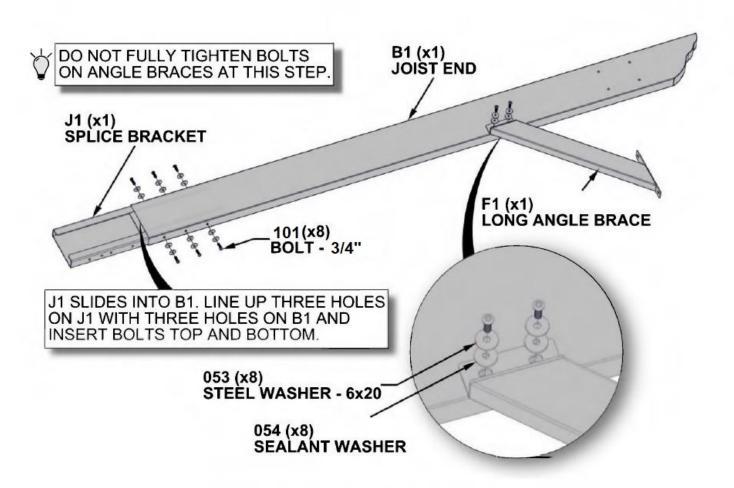


SLIDE A POST FOOT ONTO EACH POST THEN BOLT ON POST FOOT PLATES TO EACH POST. VERTICAL TAB ON POST FOOT PLATE LINES UP WITH HOLES ON SIDE OF POST.



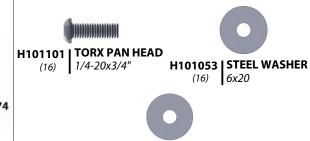
REPEAT THIS STEP FOR OTHER UPRIGHT ASSEMBLY.





REPEAT THIS STEP FOR OTHER JOIST ASSEMBLY.



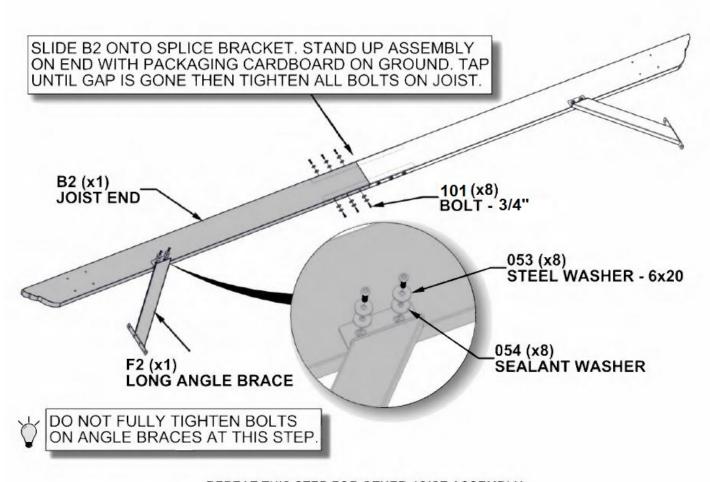


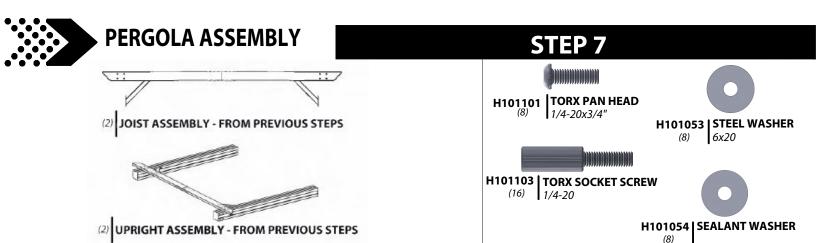
H101054 | SEALANT WASHER

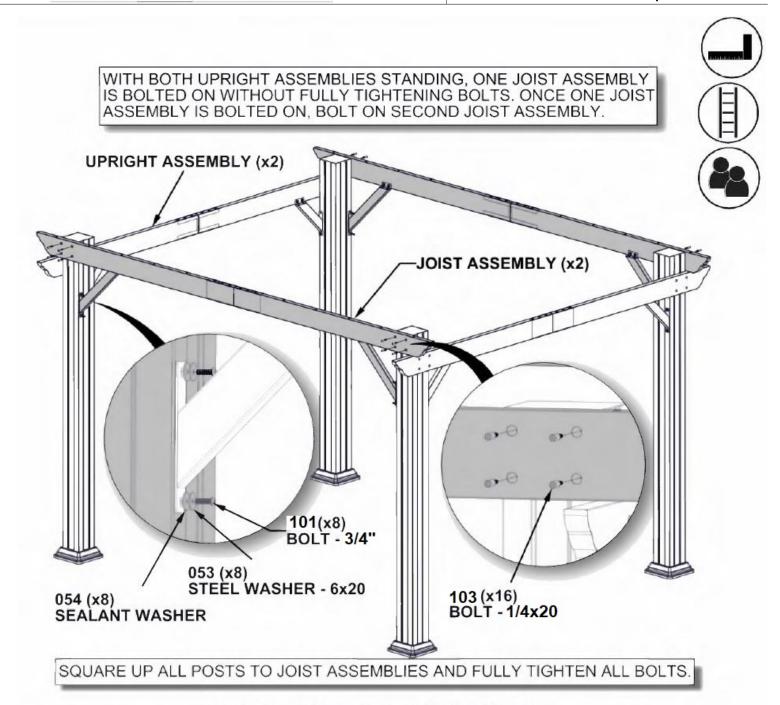
(16)

**B2** JOIST END - A4M01568
(2) 1 3/8"x5 1/4"x72 1/8" (36x134x1833)

F2 LONG ANGLE BRACE - A4M01274
(2) 1 1/8"x4"x21 1/2" (30x101x546)







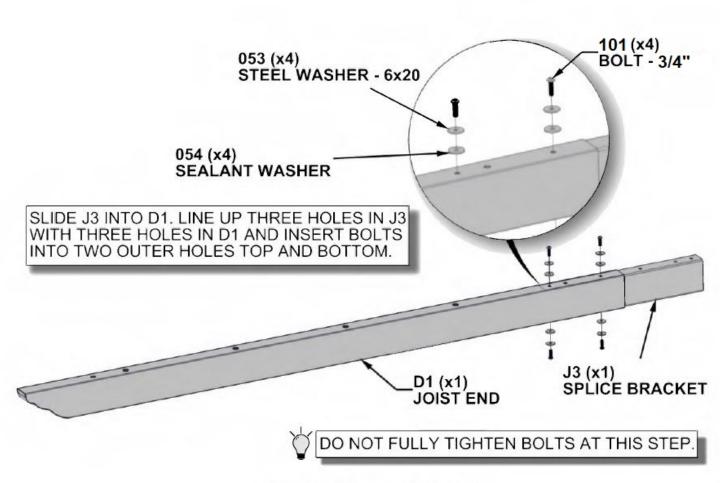
NOTE: A THIRD PERSON IS HELPFUL FOR THIS STEP.



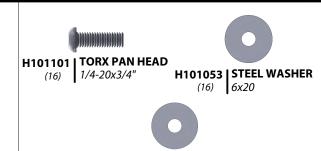


D1 JOIST END - A4M01569 (4) 1 5/8"x3 1/8"x60 1/8" (40x80x1526) J3 | SPLICE BRACKET - A4M01271 (4) | 1 1/2"x3"x15 3/4" (37x77x400)

H101054 | SEALANT WASHER



COMPLETE THIS STEP FOUR TIMES.

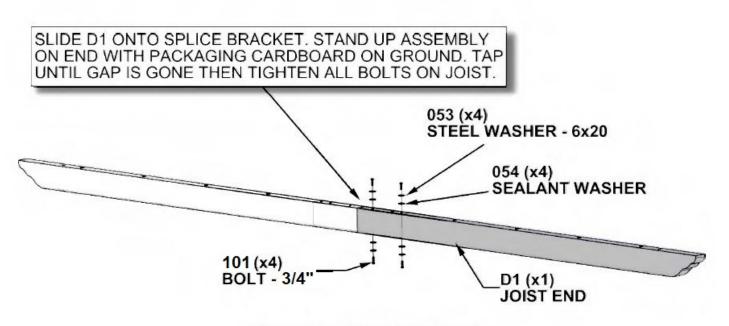


H101054 | SEALANT WASHER

(16)

**D1** JOIST END - A4M01569

(4) 1 5/8"x3 1/8"x60 1/8" (40x80x1526)

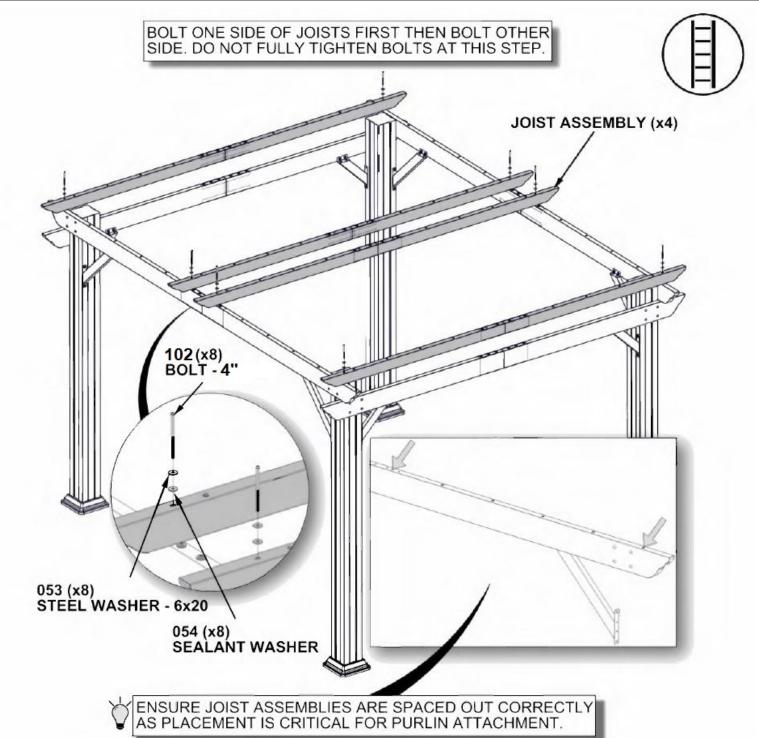


COMPLETE THIS STEP FOUR TIMES.



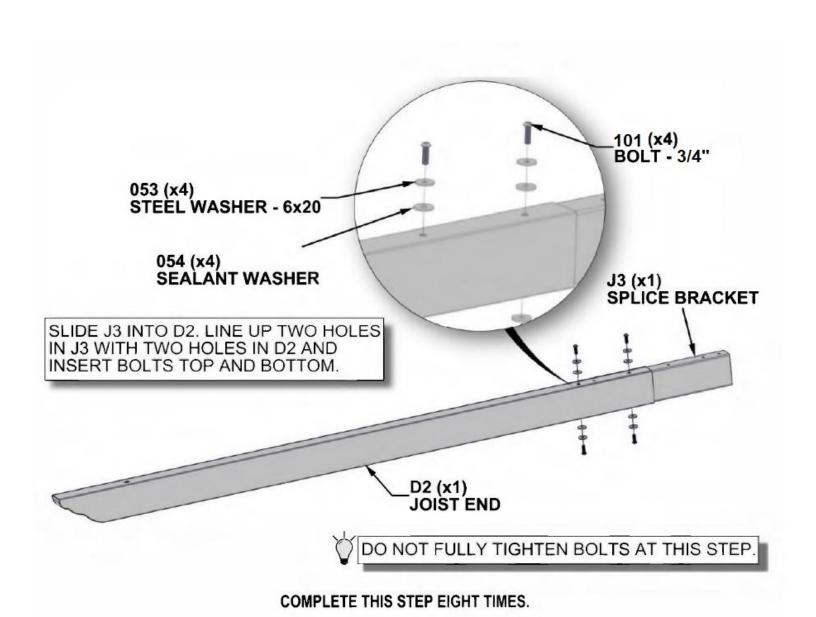
(4) JOIST ASSEMBLY - FROM PREVIOUS STEPS

H101054 | SEALANT WASHER



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(32)

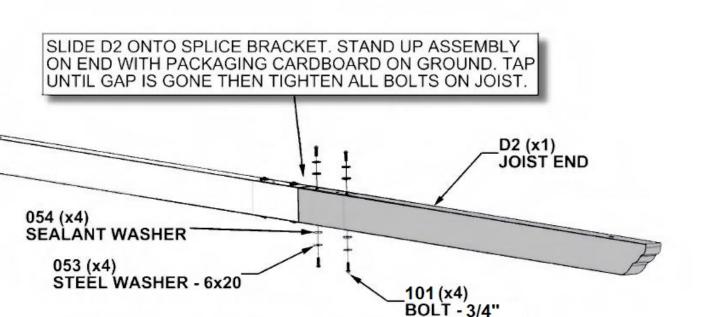




H101054 | SEALANT WASHER

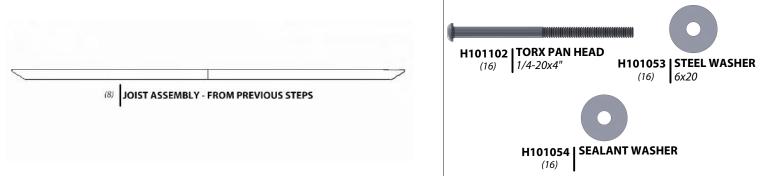
(32)

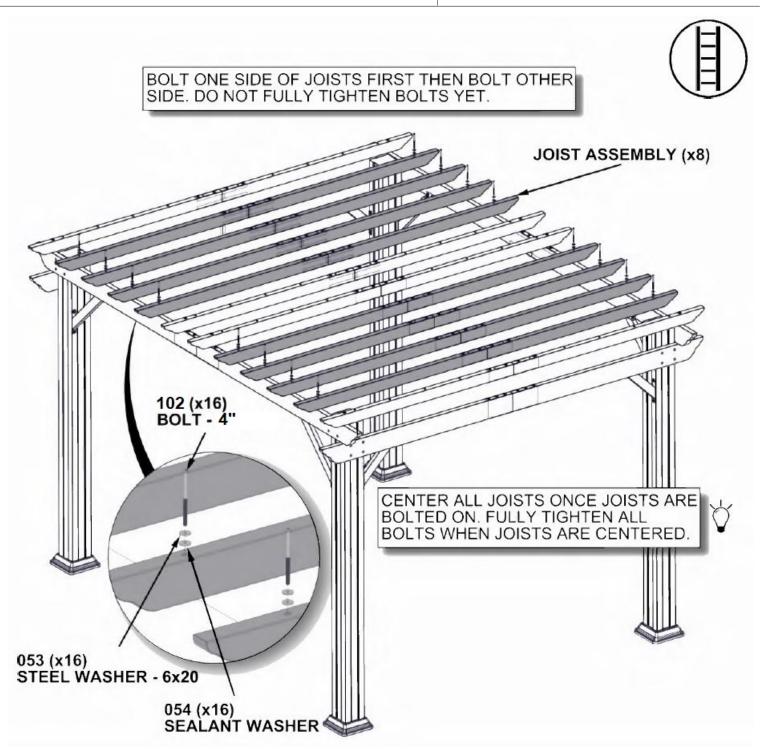
D2 JOIST END - A4M01285 (8) 1 5/8"x3 1/8"x60 1/8" (40x80x1526)



COMPLETE THIS STEP EIGHT TIMES.





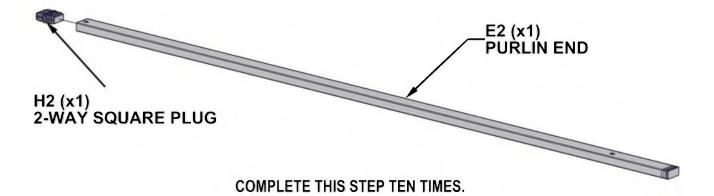








#### SLIDE A 2-WAY SQUARE PLUG INTO THE END OF PURLIN.



NOTE: A RUBBER MALLET MAY BE HELPFUL TO GET THE 2-WAY SQUARE PLUG INTO THE END OF THE PURLIN.

(10) PURLIN ASSEMBLY - FROM PREVIOUS STEPS

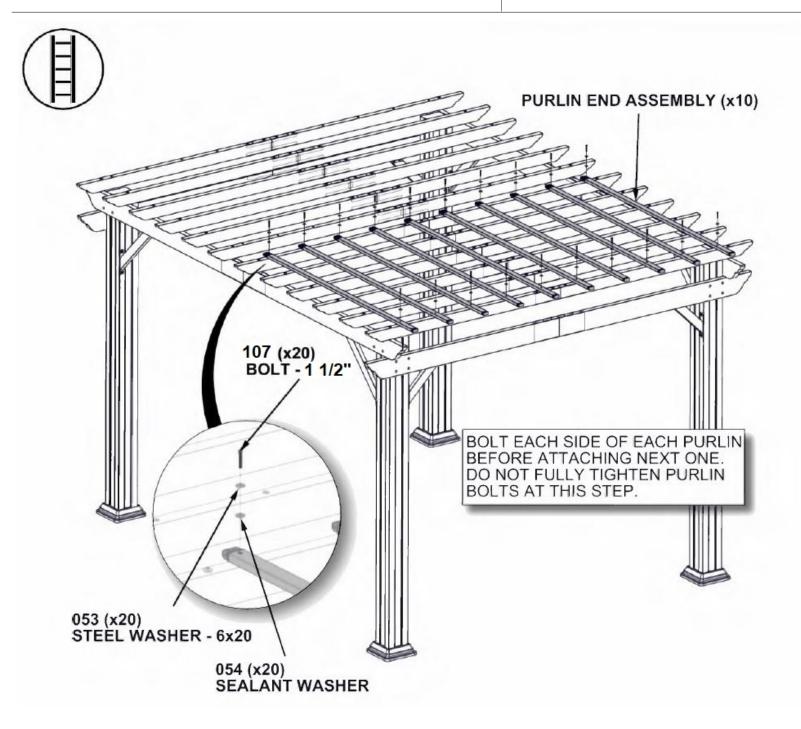
### **STEP 15**





H101053 | STEEL WASHER 6x20



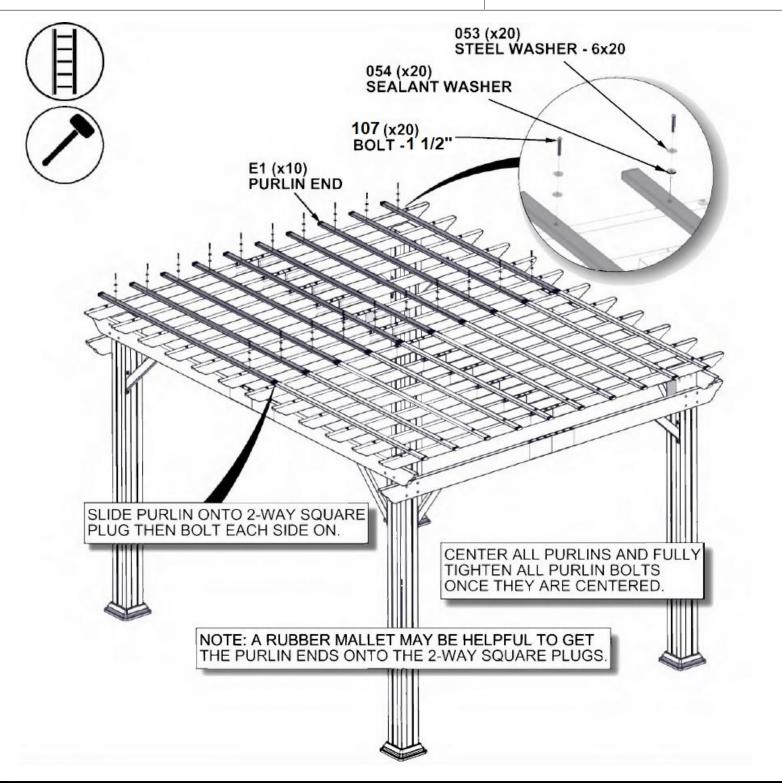




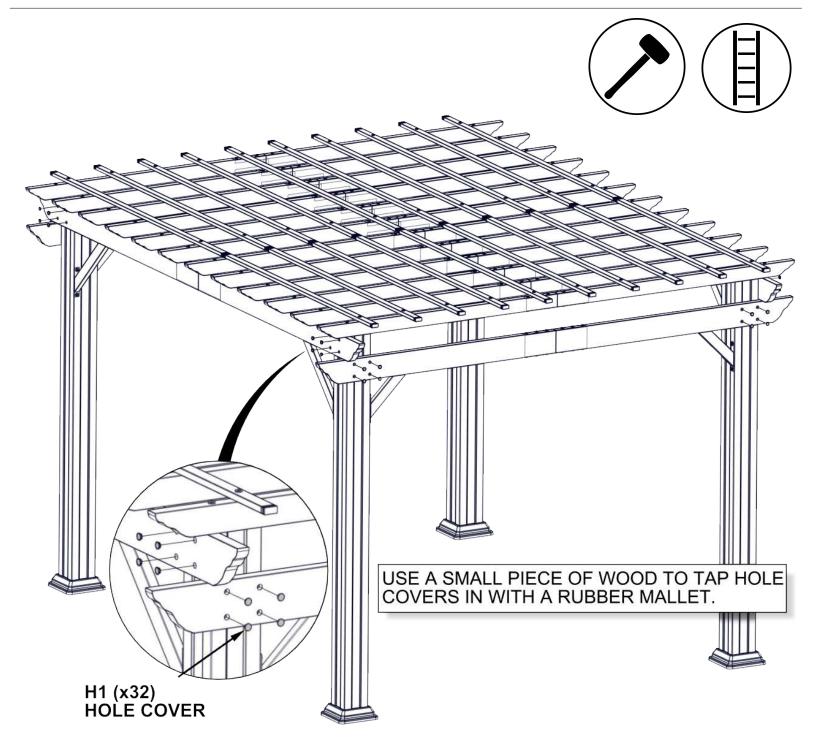


E1 PURLIN END - A4M01289 (10) 3/4"x1 5/8"x77 5/8" (20x40x1972) (20) 1/4-20X1 1/2"

H101054 | SEALANT WASHER





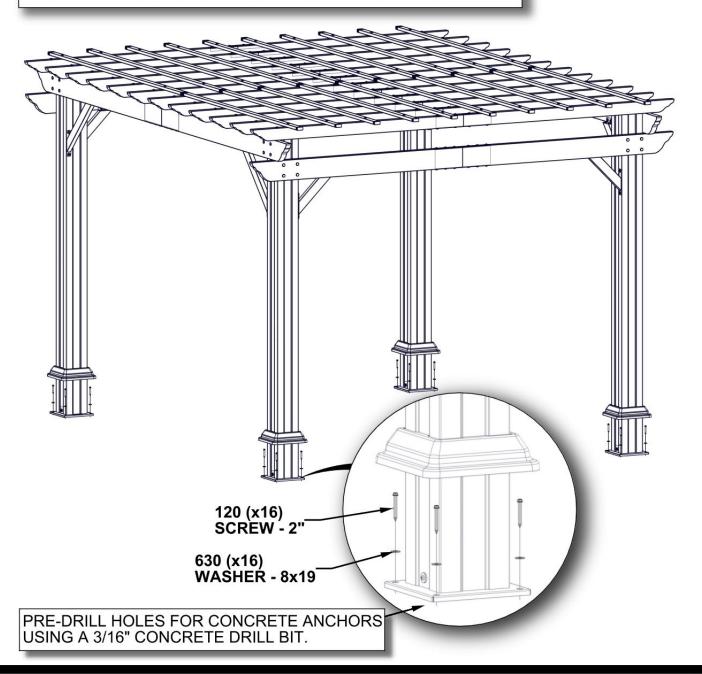


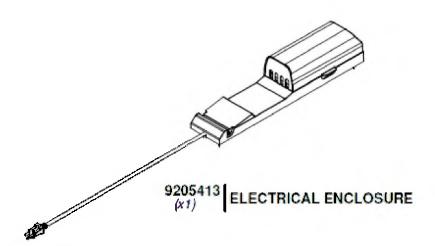




MANUFACTURER RECOMMENDS INSTALLATION ON CONCRETE SURFACE OR CONCRETE POST PAD AS SHOWN BELOW.

FOR INSTALLATION ON WOOD DECK, YOU MUST ENSURE THERE IS AMPLE STRUCTURAL SUPPORT UNDER THE DECK. HARDWARE NOT INCLUDED FOR DECK ATTACHMENT.





FOR ELECTRICAL ENCLOSURE INSTALLATION REFER TO ASSEMBLY INSTRUCTIONS THAT COMES PACKAGED WITH THE ELECTRICAL ENCLOSURE KIT. INSTALL ON ANY POST THAT IS DESIRED. FOLLOW DIRECTIONS FOR PROPER INSTALLATION.

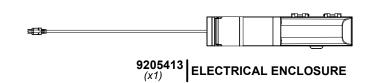


# PowerPort<sup>TM</sup>

Model # 9205413 Wood Post Mounting Instructions

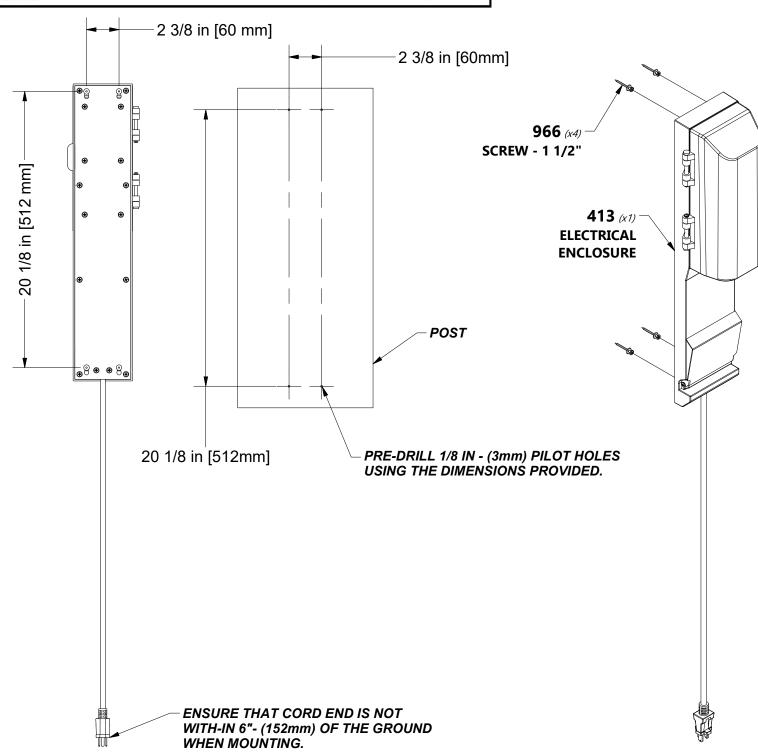


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**WARNING:** Cancer and Reproductive Harm - <u>www.P65Warnings.ca.gov</u>





# **PowerPort**

Model # 9205413 Metal Post Mounting Instructions

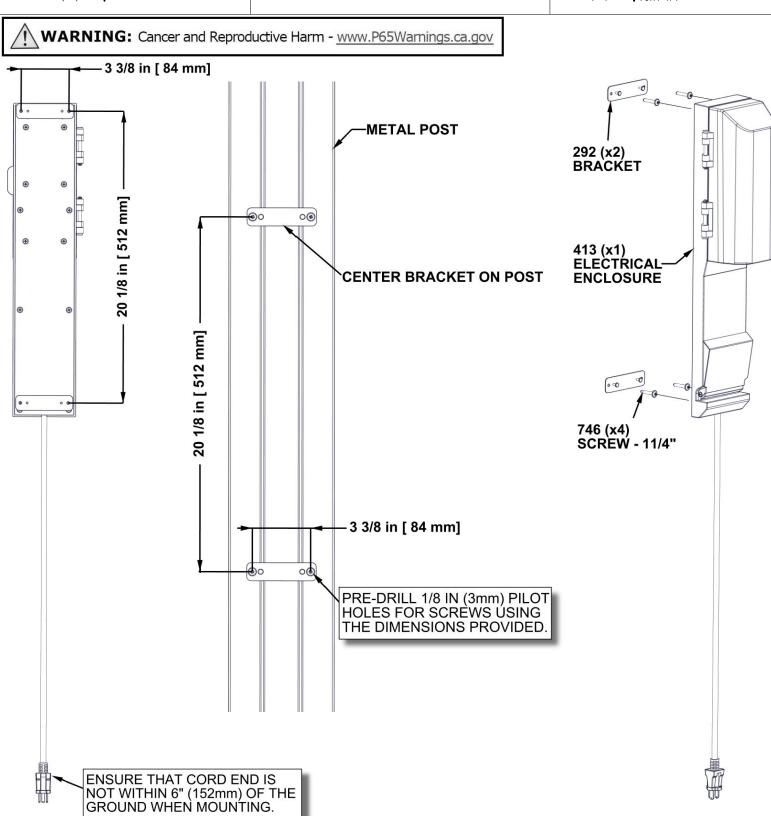


MANUFACTURED BY: Backyard Discovery 3305 Airport Drive Pittsburg, KS 66762 800-856-4445









#### **FCC MARKING:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### **FCC INSTRUCTIONS:**

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.