

MANUFACTURED BY: Backyard Discovery

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SOMERVILLE 10x14

Pergola Model # 2006546B



Cancer and Reproductive Harm www.P65Warnings.ca.gov



Please visit www.backyarddiscovery.com

For the most up to date assembly manual, to register your set, 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









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

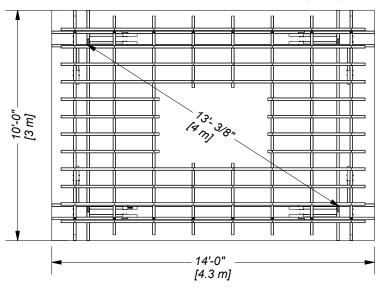
- Pay close attention to the items needed for each step. Make sure you are using the correct hardware for each step.
 Using incorrect hardware may result in improper assembly.
- Remember to double check for underground utilities and overhead electrical lines.

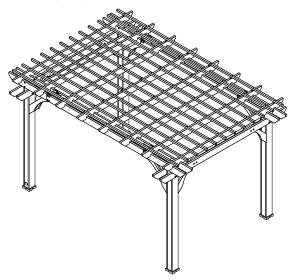
Post mounts are provided with your structure which allows you to permanently install your structure to a pre-existing or new wood or concrete surface.

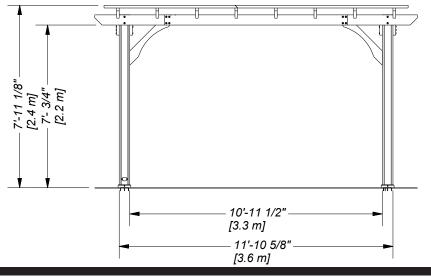
- The hardware to attach the post mounts to the structure is included.
- The hardware to mount the structure permanently to a concrete surface is included.
- The hardware to mount the structure permanently to a wood deck is NOT included and will need to be purchased seperately. You must ensure there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

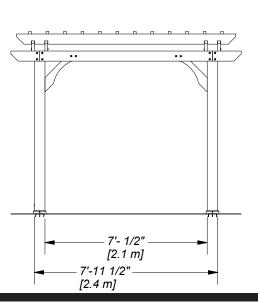
Ground Dimension

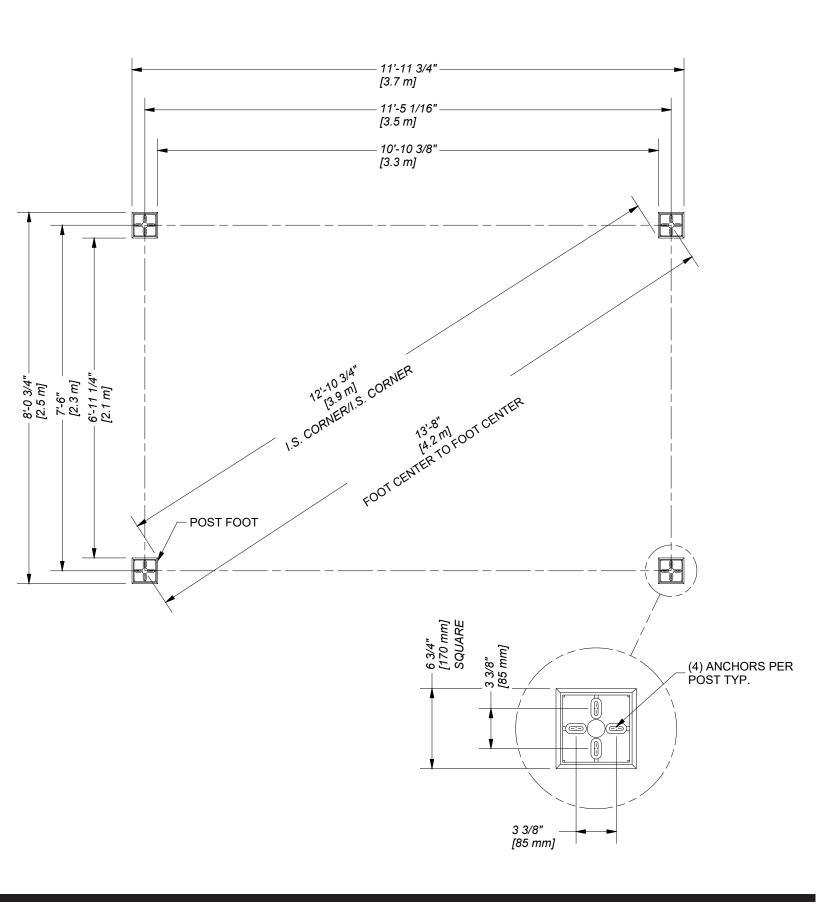
EXAMPLE: 14"-0" (4.3m) x 10'-0" (3m) x 7' 11-1/8" (2.4m)













Wood Components (Not to Scale) D01 | JOIST - W4L13476 (x2) | 1 3/8"x5 1/4"x95 1/4" (36x134x2420) **D02** | JOIST - W4L13485 (x2) | 1 3/8"x5 1/4"x95 1/4" (36x134x2420) **D03** | **JOIST END - W4L13492** (x2) | 1 3/8"x5 1/4"x39 3/4" (36x134x1008) **D04** | JOIST END - W4L13475 (x2) | 1 3/8"x5 1/4"x39 3/4" (36x134x1008) **D05** | JOIST END - W4L13484 (x2) 1 3/8"x5 1/4"x39 3/4" (36x134x1008) **D06** | JOIST END - W4L13491 (x2) 1 3/8"x5 1/4"x39 3/4" (36x134x1008) **D07** | **JOIST END - W4L13494** (x4) | 1 7/16"x5 1/4"x17 3/4" (36x134x451) **D08** | **JOIST - W4L13479** (x2) | 1 3/8"x5 1/4"x90" (36x134x2286) **D09** | JOIST - W4L13477 (x2) | 1 3/8"x5 1/4"x90" (36x134x2286) **D10** | **JOIST END - W4L13474** (x4) | 1 3/8"x5 1/4"x17 3/4" (36x134x451)



Wood Components (Not to Scale)



D11 | LONG ANGLE BRACE - W4L13482 (x7) | 1 3/8"x5 1/4"x37 1/8" (36x134x942)



D15 LONG ANGLE BRACE W/TAG-W2A03347 (x1) 1 3/8"x5 1/4"x37 1/8" (36x134x942)



D12 | SHORT ANGLE BRACE - W4L13483 (x4) | 1 3/8"x5 1/4"x29 3/4" (36x134x755)



D13 | SLOTTED JOIST - W4L13478 (x8) | 1 3/8"x5 1/4"x114" (36x134x2896)

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P01 | PURLIN - W4L13480 (x12) | 1 3/8"x1 3/8"x69 5/8" (36x36x1768)

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P02 | PURLIN - W4L13481 (x12) | 1 3/8"x1 3/8"x90 1/4" (36x36x2291)

Wood Components (Not to Scale)



UP1 | **PERGOLA POST - W2A03006** | 5 1/2"x5 1/2"x89 1/2" (140x140x2273)

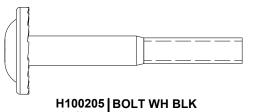
UP2 | **PERGOLA POST - W2A03008** | 5 1/2"x5 1/2"x89 1/2" (140x140x2273)



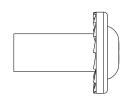
Hardware Components



H100196 | BOLT WH BLK (x26)5/16x7-1/4



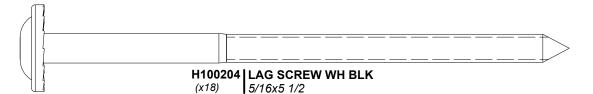




H100205 BOLT WH BLK (x42) 5/16x2-1/4

H100193 NUT BARREL WH BLK (x26) 5/16x1-1/2

H100192 NUT BARREL WH BLK (x42) 5/16x7/8







H100198 WASHER LOCK EXT BLK (x96) 8x19







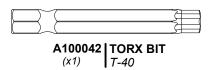
H100199 WASHER LOCK EXT BLK 12x19 (x68)

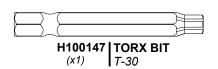


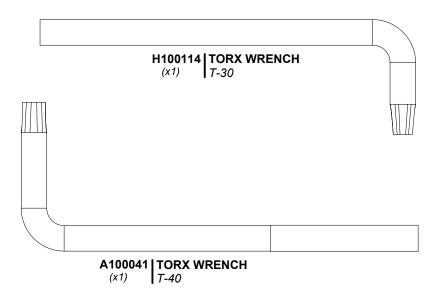


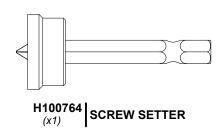
H100120 | SCREW CONCRETE ANCHOR 1/4x2

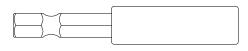












 $\frac{\text{H101100}}{(x1)}$ MAGNETIC DRIVER





Accessory Components (Not to Scale) -

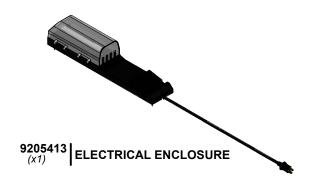




A100241

(x1)

BYD ID TAG (SMALL) WITHOUT AGES



PRE-ASSEMBLY STEP 1 - SORTING PARTS

It is critical for ease of assembly that you take the time to sort and organize the wood and hardware.

WOOD PARTS:

- Organize wood parts by the three-digit, alpha-numeric number stamped on each board (ex. P01).
- If there are multiple boards with the same stamped number, stack those pieces together.
- Stamps can be found on the flat surface of the boards or on the end of the boards.
- Allow yourself plenty of room the wood pieces can take up a significant amount of space.

NOTE: CARTONS ARE NOT ORGANIZED BY BOARD NUMBER.

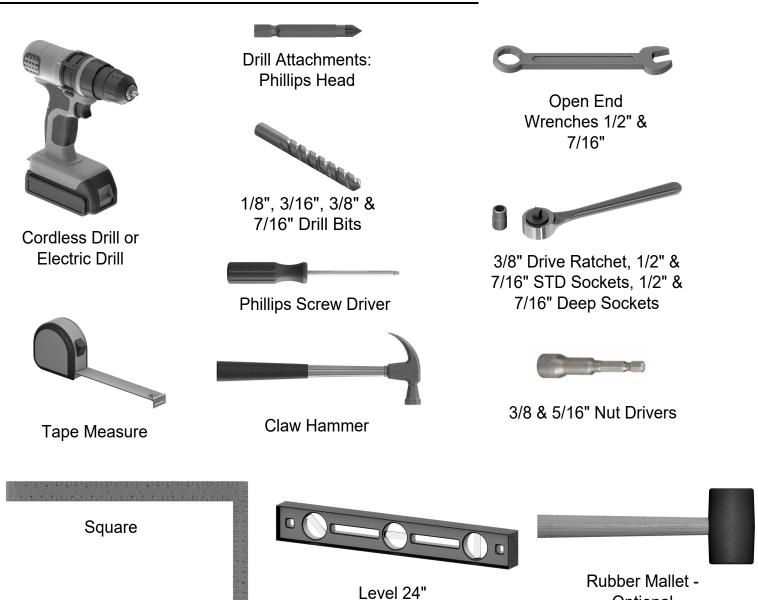


HARDWARE PARTS:

- We recommend that you have a separate table to organize the hardware.
- Hardware bags are printed with a seven-digit, alpha-numeric part number.
- You can organize your hardware by part number or group by hardware type (i.e. bolts, nuts, etc.).
- During assembly you only need to reference the last four digits of the number.



PRE-ASSEMBLY STEP 2 - TOOLS REQUIRED



Optional

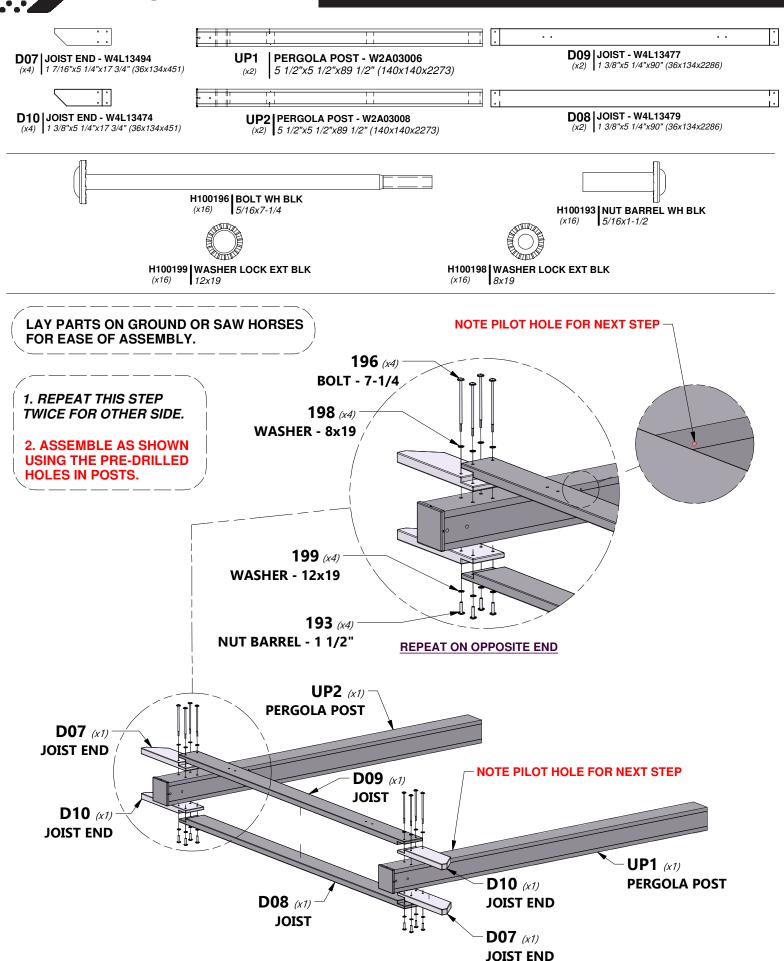
PRE-ASSEMBLY STEP 3 - CHOOSE YOUR ASSEMBLY METHOD

There are several types of assembly instructions available to you.

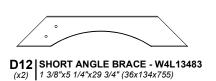
- 1. Printed Assembly Manual included with your set
- 2. BILT APP 3D interactive instructions
- 3. Combination of the Printed Manual and BILT APP (Note: Step numbers can differ between the two methods)

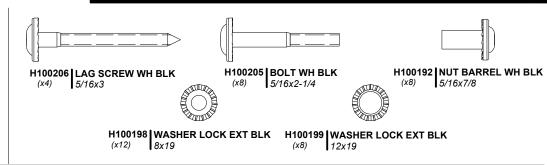






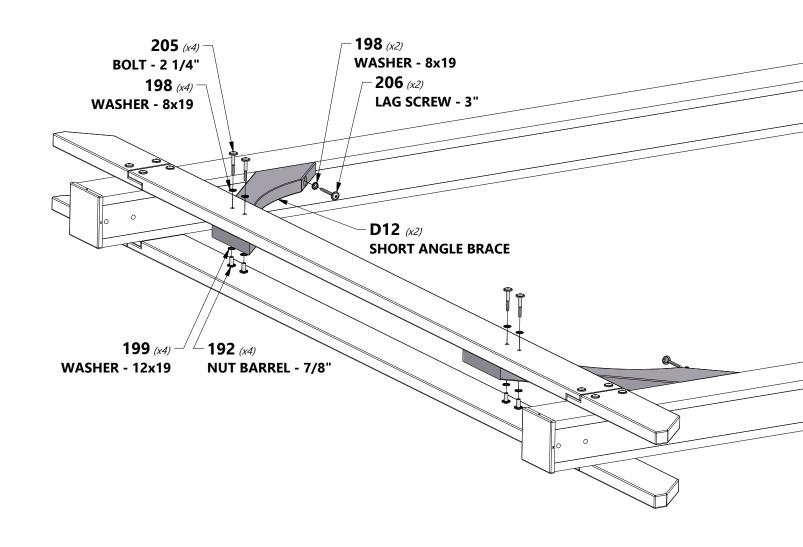




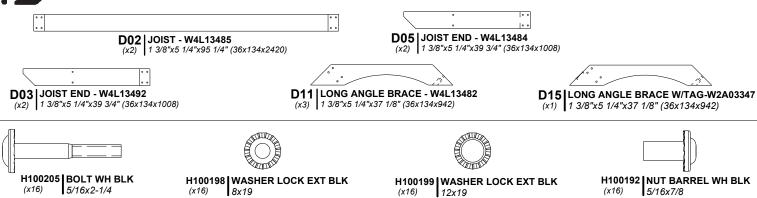


1. REPEAT THIS STEP TWICE FOR OTHER SIDE.

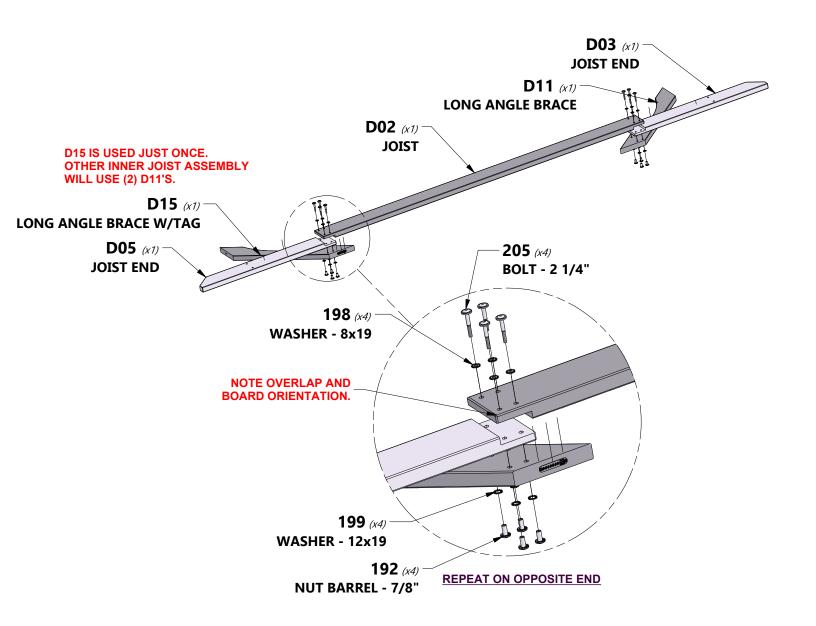
2. ASSEMBLE AS SHOWN USING THE PRE-DRILLED PILOT HOLES IN POSTS.



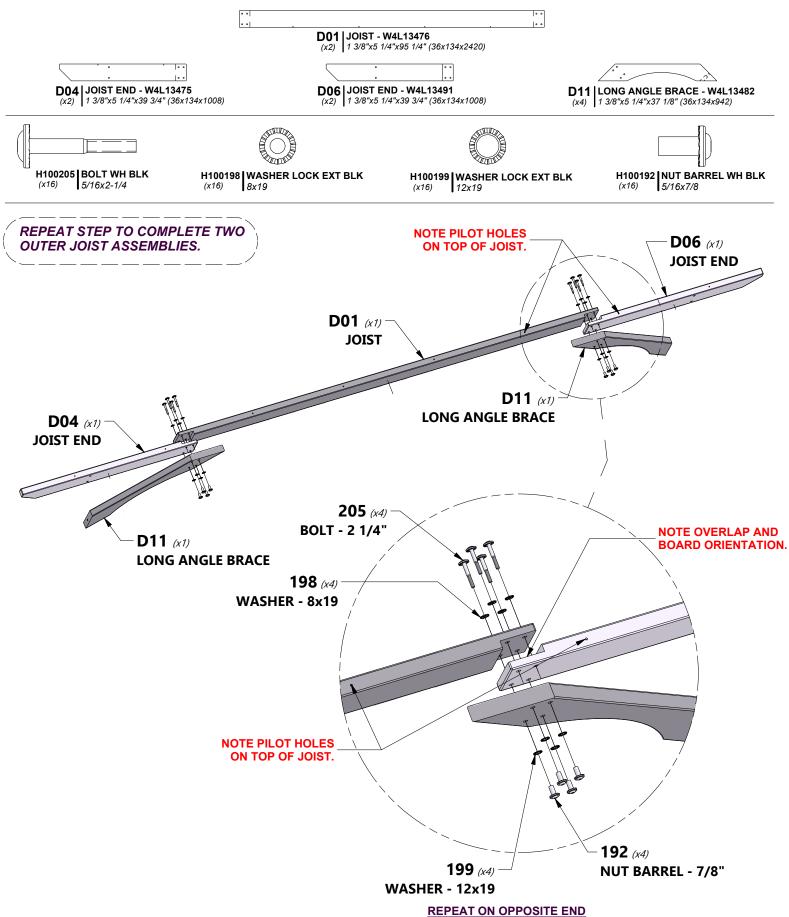




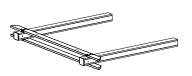
REPEAT STEP TO COMPLETE TWO INNER JOIST ASSEMBLIES.



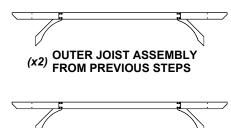




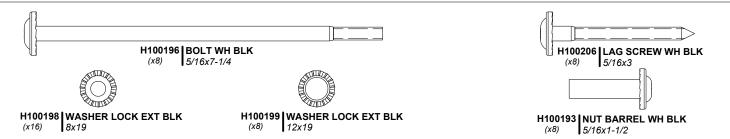


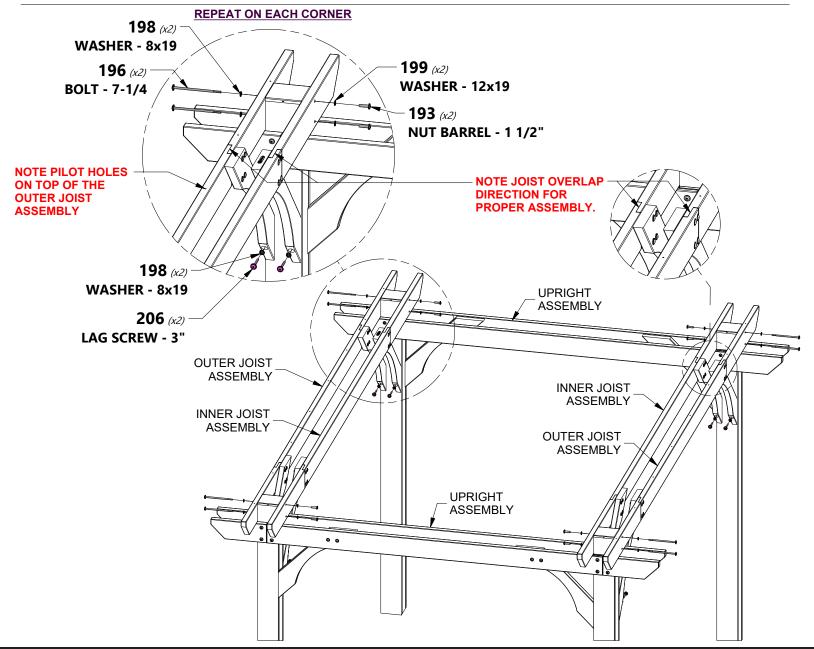


(x2) UPRIGHT ASSEMBLY FROM PREVIOUS STEPS



(x2) INNER JOIST ASSEMBLY FROM PREVIOUS STEPS







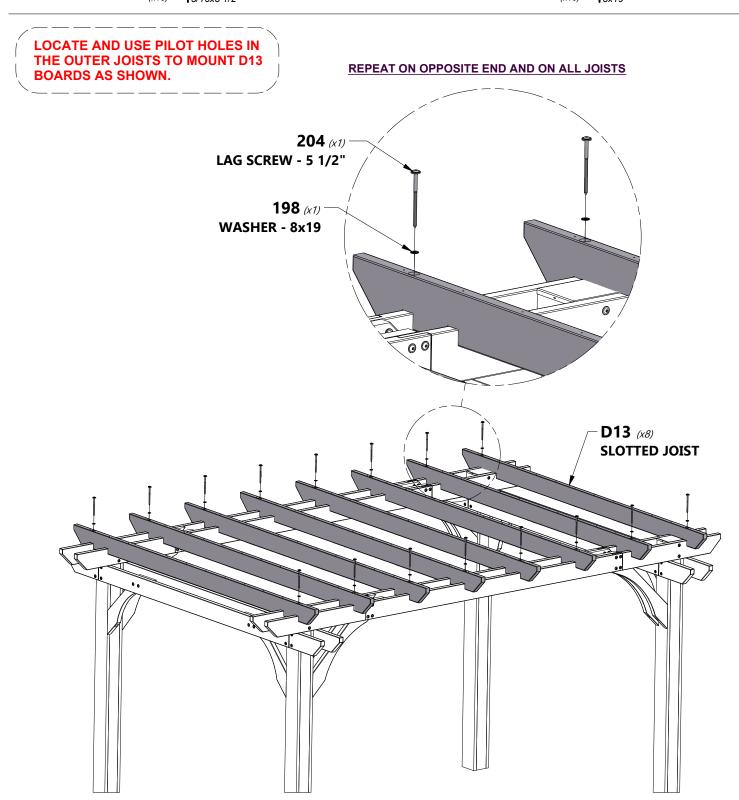
D13 | SLOTTED JOIST - W4L13478
(x8) | 1 3/8"x5 1/4"x114" (36x134x2896)



H100204 LAG SCREW WH BLK (x16) 5/16x5 1/2



H100198 WASHER LOCK EXT BLK 8x19





P01 | P

| PURLIN - W4L13480

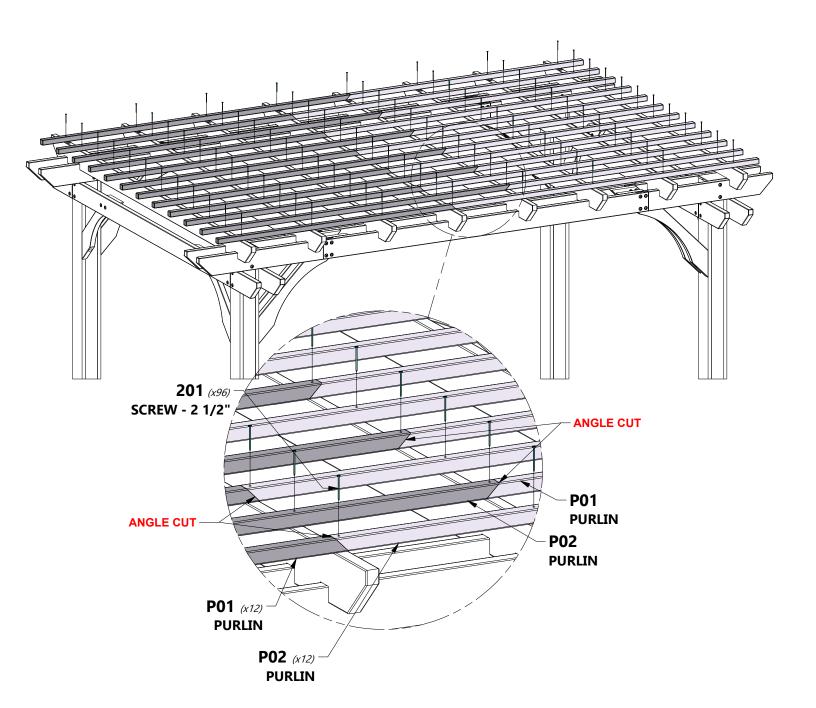
(x12) 1 3/8"x1 3/8"x69 5/8" (36x36x1768)

H100201 SCREW PFH BLK (x96) 8x2-1/2

P02

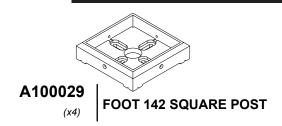
| PURLIN - W4L13481

(x12) | 1 3/8"x1 3/8"x90 1/4" (36x36x2291)



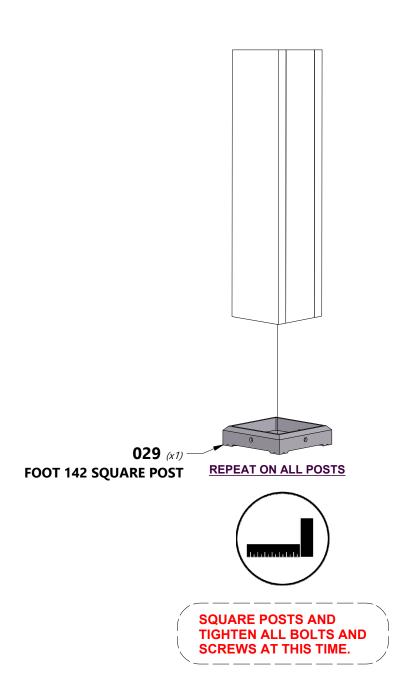
ASSEMBLE P01 & P02 BOARDS BY ALTERNATING THEM AS YOU WORK ACROSS THE JOIST BOARDS. AS SHOWN THE ANGLE CUT IN THE P01 & P02 BOARDS SHOULD ALTERNATE WHICH JOIST THEY LAND ON WHEN ASSEMBLED.





DECIDE WHERE TO PLACE THE PERGOLA. NOTE THIS MOUNTING PROCEDURE IS MEANT TO BE USED ON CONCRETE ONLY.

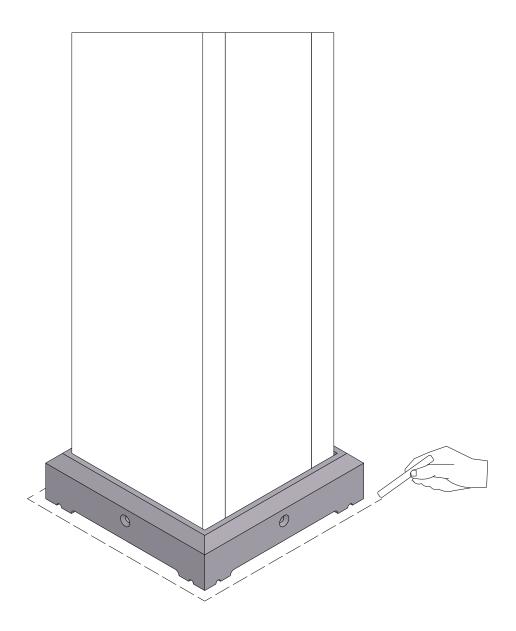
PLACE THE PERGOLA EXACTLY WHERE IT WILL BE ANCHORED WHEN COMPLETED AND SLIDE A FOOT UNDER EACH POST.







USE CHALK TO TRACE AROUND THE EDGES OF EACH FOOT TO MARK THE FEET LOCATIONS.

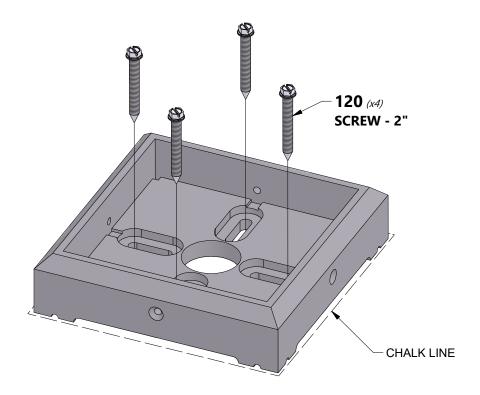






MOVE THE PERGOLA ASIDE AND PLACE EACH FOOT INSIDE THE LINES DRAWN IN THE PREVIOUS STEP. NOW, USE A 3/16" CONCRETE DRILL BIT TO DRILL PILOT HOLES INTO THE CONCRETE PAD.

NEXT, USE THE PROVIDED CONCRETE ANCHORS TO ATTACH EACH FOOT TO THE CONCRETE SURFACE.

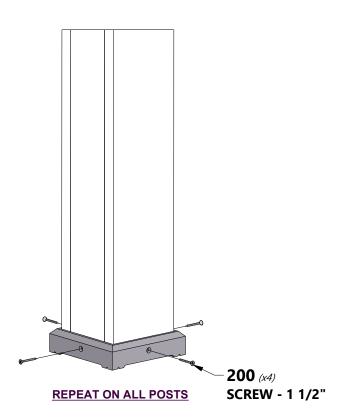




H100200 SCREW PFH BLK (x16) 8x1 1/2

MOVE THE PERGOLA BACK INTO PLACE, SETTING EACH POST INSIDE A FOOT AND MOUNT AS SHOWN USING THE PROVIDED HARDWARE.

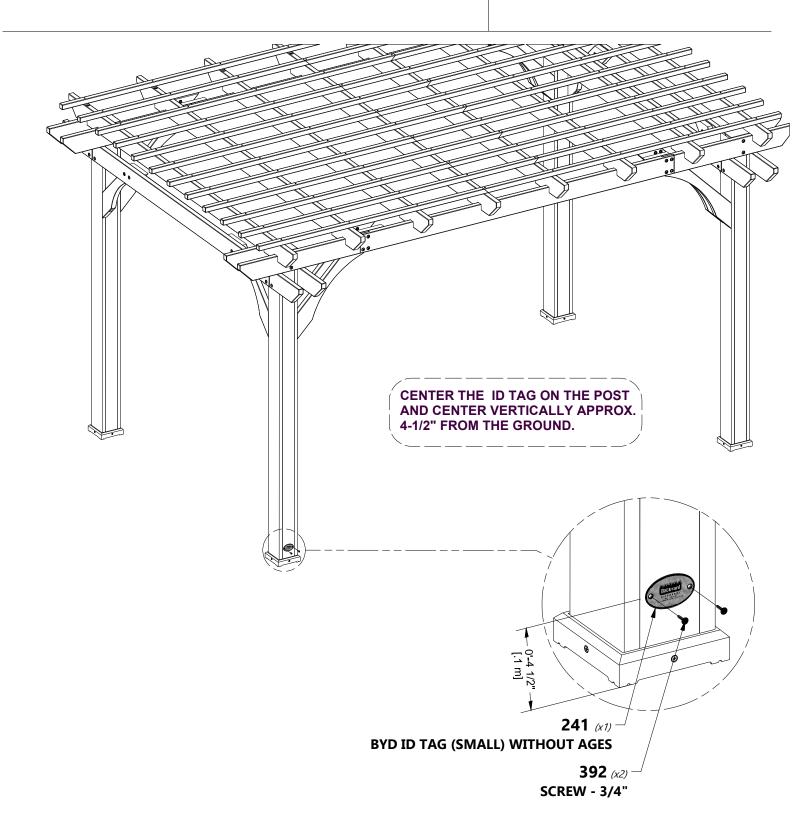




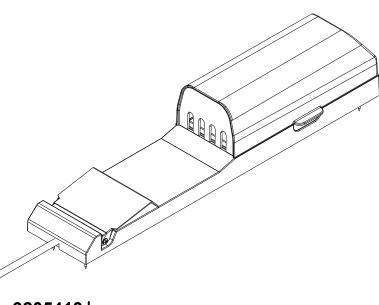












9205413 ELECTRICAL ENCLOSURE

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

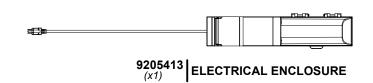


PowerPortTM

Model # 9205413 Wood Post Mounting Instructions

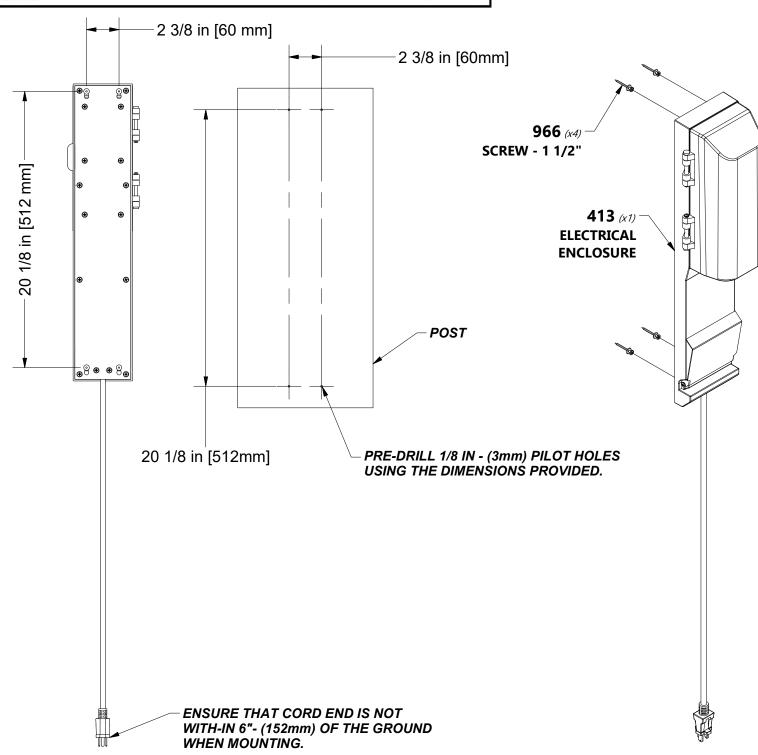


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WARNING: Cancer and Reproductive Harm - <u>www.P65Warnings.ca.gov</u>





PowerPort

Model # 9205413 Metal Post Mounting Instructions

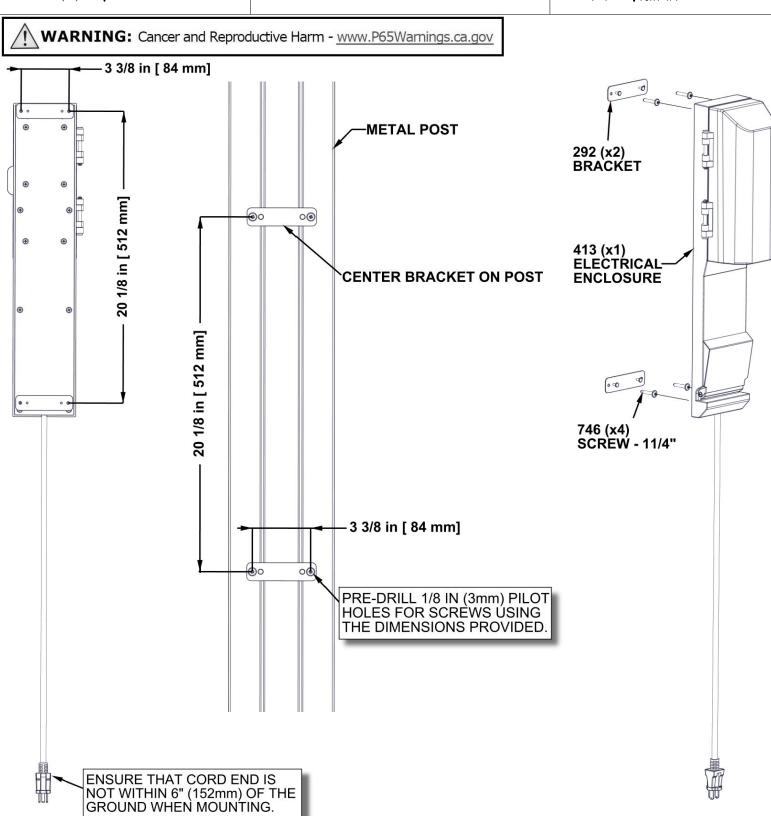


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FCC MARKING:

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.